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E&I10\1

Environment & Infrastructure Committee Meeting – Tuesday, 23 October, 2012

CITY OF DARWIN

ENVIRONMENT & INFRASTRUCTURE COMMITTEE

MONDAY, 22 OCTOBER 2012

MEMBERS: Member R I Elix (Chairman); The Right Worshipful, The Lord Mayor, Ms K M Fong Lim; Member S J Niblock; Member K J Worden; Member G Lambrinidis.

OFFICERS: Chief Executive Officer, Mr B Dowd; General Manager Infrastructure, Mr L Cercarelli; Executive Manager, Mr M Blackburn; Manager Design, Planning and Projects, Mr D Lelekis; Manager Infrastructure Maintenance, Mr K Smith; Team Coordinator Development & Waste Management, Mrs J Welshman; Executive Officer, Miss A Smit.

Enquiries and/or Apologies: Arweena Smit
E-mail: a.smit@darwin.nt.gov.au - PH: 89300 685

Committee's Responsibilities

- | | |
|----------------------------|----------------------|
| * Car Parking | * Public Facilities |
| * Council Buildings | * Roads |
| * Drainage | * Street Lighting |
| * Environmental Management | * Traffic Management |
| * Parks and Reserves | * Urban Enhancement |
| * Plant Management | * Waste Management |

THAT effective as of 16 April 2012 Council pursuant to Section 32 (2)(b) of the Local Government Act 2008 hereby delegates to the Environment & Infrastructure Committee the power to make recommendations to Council and decisions relating to Environment & Infrastructure matters within the approved budget.

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Environment & Infrastructure Committee Meeting – Tuesday, 23 October, 2012

1 MEETING DECLARED OPEN

2 APOLOGIES AND LEAVE OF ABSENCE

2.1 Apologies

2.2 Leave of Absence Granted

- A. THAT it be noted that The Right Worshipful, The Lord Mayor, Ms K M Fong Lim is an apology due to a Leave of Absence being previously granted on 16 October 2012 for the period 21 October 2012 to 24 October 2012.
- B. THAT it be noted that Member R K Elix is an apology due to a Leave of Absence being previously granted on 16 October 2012 for the period 24 October 2012 to 28 October 2012.

DECISION NO.20\() (23/10/12)

3 DECLARATION OF INTEREST OF MEMBERS AND STAFF

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Environment & Infrastructure Committee Meeting – Tuesday, 23 October, 2012

4 CONFIDENTIAL ITEMS

4.1 Closure to the Public for Confidential Items Common No. 1944604

COMMITTEE'S DECISION

THAT pursuant to Section 65 (2) of the Local Government Act and Regulation 8 of the Local Government (Administration) Regulations the meeting be closed to the public to consider the following Items:

<u>Item</u>	<u>Regulation</u>	<u>Reason</u>
C12	8(c)(ii)	Information that would, if publicly disclosed, be likely to prejudice the maintenance or administration of the law.
C15.1	8(b)	Information about the personal circumstances of a resident or ratepayer.
	8(c)(iv)	Information that would, if publicly disclosed, be likely to prejudice the interests of the council or some other person.
C15.2	8(c)(iv)	Information that would, if publicly disclosed, be likely to prejudice the interests of the council or some other person.

DECISION NO.21\() (23/10/12)

4.2 Moving Open Items Into Confidential

4.3 Moving Confidential Items Into Open

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Environment & Infrastructure Committee Meeting – Tuesday, 23 October, 2012

5 WITHDRAWAL OF ITEMS FOR DISCUSSION

COMMITTEE'S DECISION

THAT the Committee resolve under delegated authority that all Information Items and Officers Reports to the Environment & Infrastructure Committee Meeting held on Tuesday, 23 October, 2012, be received and all recommendations contained therein be adopted by general consent with the exception of Item Number

DECISION NO.20\() (23/10/12)

6 CONFIRMATION OF MINUTES PERTAINING TO THE PREVIOUS ENVIRONMENT & INFRASTRUCTURE COMMITTEE MEETING

COMMITTEE'S DECISION

THAT the Committee resolve that the minutes of the previous Environment & Infrastructure Committee Meeting held on Tuesday, 18 September 2012 tabled by the Chairman, be received and confirmed as a true and correct record of the proceedings of that meeting.

DECISION NO.20\() (23/10/12)

7 BUSINESS ARISING FROM THE MINUTES PERTAINING TO THE PREVIOUS ENVIRONMENT & INFRASTRUCTURE COMMITTEE MEETING

7.1 Business Arising

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Environment & Infrastructure Committee Meeting – Tuesday, 23 October, 2012

8 INFORMATION ITEMS

9 OFFICERS REPORTS

9.1 Climate Change & Environment Advisory Committee Recommendation

Report No. 12TS0159SF (23/10/12) Common No. 1711979

9.2 Climate Change Action Plan Quarterly Progress Update – October 2012

Report No. 12TS00150 SF:NJ (23/10/12) Common No. 1711979

9.3 Waste and Recycling September 2012 Quarterly Report

Report No.12TS0143 (23/10/12) Common No. 173835

9.4 Asset Management Quarterly Update – July to September 2012

Report No.12TS0168 (23/10/12) Common No. 1832912

9.5 Infrastructure – Design, Planning & Projects – September 2012 Quarterly Report

Report No. 12TS0172 DL:lm (23/10/12) Common No. 1832896

9.6 Infrastructure Maintenance – September 2012 Quarterly Reports

Report No. 12TS00162KS:nf (12/10/12) Common No. 188750

9.7 Infrastructure Capital Works Program – Quarterly Update September 2012

Report No. 12TS0165 SMcD:kb (23/10/12) Common No. 1541601

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Environment & Infrastructure Committee Meeting – Tuesday, 23 October, 2012

9 OFFICERS REPORTS

9.8 City of Darwin's 2012 – Pre-Cyclone Clean Up Outcome

Report No. 12TS0148JW:MN (23/10/12) Common No. 95649

9.9 Cavenagh Street Upgrade Searcy Street to Daly Street Project – October 2012 Progress Report

Report No. 12TS0171 DL:lm (23/10/12) Common No. 223527

9.10 Northern Territory Government – Nightcliff Projects Update – October 2012

Report No. 12TS0170DL:LM (23/10/12) Common No. 2179914

9.11 Request for Tree Removal – 48 Woods Street, Darwin

Report No. 12TS0163KS (23/10/12) Common No. 1098497

9.12 Muirhead Development Contribution Payment, Timing and Works Request

Report No. 12TS0166ND:KB (23/10/12) Common No. 248448

9.13 Nightcliff Middle School and Aralia Street Road Safety Works Update Report Audit

Report No. 12TS0156PC:lm (23/10/12) Common No. 1361689

**ENVIRONMENT & INFRASTRUCTURE
COMMITTEE/OPEN**

AGENDA ITEM: 9.1

CLIMATE CHANGE & ENVIRONMENT ADVISORY COMMITTEE RECOMMENDATION

REPORT No.: 12TS0159SF

COMMON No.: 1711979

DATE: 23/10/2012

Presenter: Manager Climate Change & Environment, Shelley Franklyn

Approved: Executive Manager, Mark Blackburn

PURPOSE

The purpose of this report is to provide a recommendation on the future of the Climate Change Advisory Committee.

LINK TO STRATEGIC PLAN

The issues addressed in this Report are in accordance with the following Goals/Strategies of the Darwin City Council 2008 – 2012 as outlined in the 'Evolving Darwin Strategic Directions: Towards 2020 and Beyond':-

Goal

4 Create and Maintain an Environmentally Sustainable City

Outcome

4.1 Be a leader with climate change policies

Key Strategies

4.1.1 Develop a climate change policy and strategies including the reduction of carbon emissions

KEY ISSUES

The Committee played an advisory role in development of the Climate Change Action Plan that underpins to Climate Change Policy.

Quarterly reports are prepared on the Climate Change Action Plan are reported through the Environment & Infrastructure Committee to Council.

It is recommend Council hold an annual public climate change and environment meeting, where community members can provide feedback on the Climate Change Action Plan to Council.

PAGE: 2
 REPORT NUMBER: 12TS0159SF
 SUBJECT: CLIMATE CHANGE & ENVIRONMENT ADVISORY COMMITTEE
 RECOMMENDATION

RECOMMENDATIONS

THAT it be a recommendation to Council:-

- A. THAT Report Number 12TS0159SF entitled Climate Change & Environment Advisory Committee Recommendation, be received and noted.
- B. THAT Council support the introduction of an annual public environment meeting and discontinue the Climate Change & Environment Advisory Committee.

BACKGROUND

In September 2011, the Climate Change & Environment quarterly E&I (Report No. 11TS0154PR) recommended:

‘To reinvigorate the Advisory Committee while continuing to have Aldermen Lambert and Alderman Knox as Council representatives on the Committee, it is recommended that a new call for a refreshed membership be made so that there is a vibrant group to work with the outcomes of the Climate Change Action Plan 2011-2020 and to provide response to other environmental matters.’

Early this year, the new Council appointed Alderman Knox and Alderman Lambrinidis to the Committee, replacing Alderman Lambert (report no.12TC0020). The Terms of Reference were also updated to reflect the change in elected member representation, and ‘Monitor the Implementation of Council’s Environmental Management Plan’ was also removed from the Committee’s purpose.

DISCUSSION

As the Climate Change Action Plan outlines a set of actions to be implemented by 2020, there seems limited opportunity to provide input into the Plan, other than the scheduled three year reviews (first due in 2013). Quarterly updates of the Plan are provided to the Environment and Infrastructure Committee who monitor the progress of the Plan, making this purpose of the Climate Change Advisory Committee obsolete.

The other purpose of the Committee is to advise the Environment and Infrastructure Committee on local climate change and environmental issues, however as evident with the irregularity of meetings and member appointment, this does not occur.

There are two options which Council can undertake in regards to the Committee.

Option 1 is to reinvigorate the existing committee by:

- thanking existing non-Council members for their input over the past years and advising them that their term has now ceased
- advertise for new non-Council members and appoint
- update the existing Terms of Reference to read ‘Provide updates of local Climate Change and Environment issues to Council’

PAGE: 3
 REPORT NUMBER: 12TS0159SF
 SUBJECT: CLIMATE CHANGE & ENVIRONMENT ADVISORY COMMITTEE
 RECOMMENDATION

- change the meeting frequency to twice a year
- set meeting dates at the beginning of the year
- Secretary, Climate Change & Environment act as the secretariat support for the group.

Option 2, and the preferred option, is to disband the Climate Change & Environment Advisory Committee, and instead, hold a public climate change and environment forum annually. This not only provides those who were appointed to the Committee but all community members, the opportunity to provide feedback on the Climate Change Action Plan, as well as alert Council to local climate change and environmental issues. Holding a public forum would be seen as a positive step in engaging the community, while providing Council with an opportunity to promote its activities. This would also avoid further duplication of Committees (Climate Change & Environment Advisory Committee and Environment and Infrastructure), and make the most efficient use of the existing Committee's time.

CONSULTATION PROCESS

N/A

POLICY IMPLICATIONS

Although there could be a negative reaction to Council disbanding the Committee, the Committee does not currently meet, has not renewed its non-Council membership since it began, and its core responsibilities are covered by the Environment and Infrastructure Committee who monitor progress of the Climate Change Action Plan.

BUDGET AND RESOURCE IMPLICATIONS

N/A

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

N/A

ENVIRONMENTAL IMPLICATIONS

N/A

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 REPORT NUMBER: 12TS0159SF
 SUBJECT: CLIMATE CHANGE & ENVIRONMENT ADVISORY COMMITTEE
 RECOMMENDATION

COUNCIL OFFICER CONFLICT OF INTEREST DECLARATION

We the Author and Approving Officers declare that we do not have a Conflict of Interest in relation to this matter.

SHELLEY FRANKLYN
MANAGER CLIMATE CHANGE &
ENVIRONMENT

MARK BLACKBURN
EXECUTIVE MANAGER

For enquiries, please contact Shelley Franklyn on 89300530 or email:
s.franklyn@darwin.nt.gov.au.

Attachments:

Attachment A: 2012 to 2013 Terms of Reference for the Committee



CITY OF DARWIN ADVISORY COMMITTEES

CLIMATE CHANGE AND ENVIRONMENT ADVISORY COMMITTEE

Membership:

- ⇒ Alderman Robin M Knox
- ⇒ Alderman George Lambrinidis (Chairman)
- ⇒ Alderman Garry Lambert (Alternate)
- ⇒ Manager, Climate Change & Environment
- NT Govt (DIPE) Representative - Water Monitoring Branch, NT Government - Environment and Heritage of Darwin & Region
- Charles Darwin University Representative - Dean of Education, Health and Science, Tropical Environmental Science in the NT
- Larrakia Representative - Aboriginal Culture & Heritage
- Chamber of Commerce Representative - Environment Adviser, Industry & Commerce of Darwin
- Two (2) Darwin Community Representatives
- One (1) Waste Management Representative
- Two (2) NT Government Climate Change Representatives

Committee's Purpose

This is an advisory committee who's purpose is to advise the Council's Environment & Infrastructure Committee on:

- Local Climate Change and Environmental Issues.

Meeting frequency

Meet three (3) times per year.

Term of Appointment and appointed by:

2 year appointment by City of Darwin for non Council members.
Elected Members – 16 April 2012 – 30 June 2013

Delegation:

Nil

**ENVIRONMENT & INFRASTRUCTURE
COMMITTEE/OPEN**

AGENDA ITEM: 9.2

**CLIMATE CHANGE ACTION PLAN QUARTERLY PROGRESS UPDATE - OCTOBER
2012**

REPORT No.: 12TS00150 SF:NJ

COMMON No.: 1711979

DATE: 23/10/2012

Presenter: Manager Climate Change & Environment, Shelley Franklyn

Approved: Executive Manager, Mark Blackburn

PURPOSE

The purpose of this report is to provide Council with an update of the Climate Change Action Plan 2011-2020.

LINK TO STRATEGIC PLAN

The issues addressed in this Report are in accordance with the following Goals/Strategies of the Darwin City Council 2008 – 2012 as outlined in the 'Evolving Darwin Strategic Directions: Towards 2020 and Beyond':-

Goal

4 Create and Maintain an Environmentally Sustainable City

Outcome

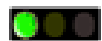
4.1 Be a leader with climate change policies

Key Strategies

4.1.1 Develop a climate change policy and strategies including the reduction of carbon emissions

KEY ISSUES

Attachment A contains the second Quarterly Progress Report of the Climate Change Action Plan 2011 – 2020. A traffic light system (as used in Interplan) is used to provide progress against each performance indicator. There are 76 performance indicators in total. The breakdown of performance is as follows:



Green (completed or completed for the year) – 4



Orange (in progress) – 62



Red (behind schedule) – 2



Grey (not scheduled to start this year) – 8

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 REPORT NUMBER: 12TS00150 SF:NJ
 SUBJECT: CLIMATE CHANGE ACTION PLAN QUARTERLY PROGRESS UPDATE - OCTOBER

Report highlights are listed in the Discussion section of this report. Significant progress has been achieved in a number of areas including a consultant being appointed to undertake Level 3 Investment Grade energy audits at a select group of assets, launch of Sustainability@TheTop,

Please note that the Climate Change & Environment Quarterly Team Report has been combined with the Climate Change Action Plan Quarterly Progress Report to avoid duplication.

RECOMMENDATIONS

THAT it be a recommendation to Council:-

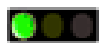
THAT Report Number 12TS0150 SF:NJ entitled Quarterly Progress Report of the Climate Change Action Plan 2011-2020, be received and noted.

BACKGROUND

This report provides Council with an update of the Climate Change Action Plan 2011-2020.

DISCUSSION

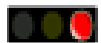
A traffic light system (as used in Interplan) is used to provide progress against each performance indicator. There are 76 performance indicators in total. The breakdown of performance is as follows:



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Red (behind schedule) – 2



Grey (not scheduled to start this year) – 8

Report highlights from the last quarter include:

Sustainability@TheTop launched

Council has identified the need to engage the community and increase awareness around reducing their carbon footprint. To do so, Council launched its new online portal Sustainability@TheTop which community members with a one-stop shop in the form of actions which provides information on how and why to make changes in their life in order to reduce their carbon footprint. Sustainability@TheTop was launched in early July at Darwin High School. An extensive promotional campaign

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 SUBJECT: CLIMATE CHANGE ACTION PLAN QUARTERLY PROGRESS UPDATE - OCTOBER

followed, with the second wave of the promotion scheduled for November later this year.

The portal provides functionality for users to create their own personal sustainable action plan by pledging to a series of actions at home, at play and at work. The portal tracks their progress and provides savings in litres, greenhouse gas emissions, 'footprints' and dollars. The portal is easy to use and provides a Q&A functionality, an events calendar, resource page, comments page and news page. Regular prompts are sent to users to encourage them to revisit the site and update their pledges.

The first round of promotional activities included:

- Print media
- NT News Royal Darwin Show advertisement – Wednesday 25 July 2012
- NT News advertisement – Friday 27 July 2012
- Tropical Garden Spectacular & Top End Sustainable Living Festival – Saturday 2 to Sunday 3 June 2012
- Royal Darwin Show promotion – Thursday 26 to Saturday 28 July 2012
- City of Darwin Media Release – Tuesday 24 July 2012
- Darwin Sun newspaper article – Wednesday 1 August 2012
- Advertising on Smith Street Mall screens – June ongoing
- Council internal screens – June ongoing
- Links on City of Darwin website
- Highlights on City of Darwin's Facebook and Twitter page
- External website event calendars including 104.1 FM, ABC 105.7 FM
- Links from external websites to Sustainability@TheTop including COOLmob, Greenies Real Food, Bicycle NT, (soon to be Frogwatch)
- Emailed all primary, middle and senior schools within municipality for presentation
- Radio announcements on Lord Mayor's regular radio spot – Monday 23 and Tuesday 24 July 2012
- Presentations to Council staff (1 x Operations Centre, 1 x Libraries, 2 x Civic Centre), Council's Youth Advisory Group, University of the 3rd Age

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A second round of promotion beginning in November will include:

- Darwin Life interview
- Highlights on City of Darwin's Facebook and Twitter page
- Rotating banner on Council's webpage with new messages
- Flyers and posters at shopping centres, swimming pools
- Update link to Sustainability@TheTop on Council's front page
- ABC radio interview
- Presentation to students at CDU
- Workshop in Library's School Holiday Program and KAOS in April 2013.

The team is currently working with the consultant to provide Facebook and Twitter links on Sustainability@TheTop. At this stage, the consultant has advised that they investigated an application for phones, however the cost benefit analysis indicated that it was not worth spending the resources to develop.

Since the launch of Sustainability@TheTop, the website has 56 members including Alderman Niblock, Alderman Worden and Alderman Mitchell. The Climate Change & Environment team encourage all elected members to visit the site and update their profiles at <http://www.sustainabledarwin.com.au/>

By engaging the community through Sustainability@TheTop, Council and the community can work together in tackling climate change and environment related issues.

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Darwin Green Office program



The Darwin Green Office program is in its eighth month and is generating positive discussion and exploration around environmental issues both in the workplace and at home. The program focuses on two topics (alternating between waste, water, procurement, transport, energy and paper) over a two month period where relevant activities are rolled out across Council by a team of Darwin Green Office Champions. Not only is this reinforcing positive environmental behaviours internally, but the program fostering relationships across Council as well. Initiatives to date include (but not limited to):

- Lighting plans at each gang switch of light which allows staff members as they arrive (or leave work) to switch only the light in their area. This has involved consultation with each of the Champions as well as the Design team.
- Switch Off signs have been placed around the buildings and are regularly moved around reminding staff.
- Single-sided non-confidential paper collection
- Unwanted Stationary drive
- Participation and promotion in national and international events include Earth Hour, Great Northern Clean Up, Sustainable House Day, Nude Food Day, Ride to Work Day
- 'Get back on your bike' workshops for staff
- Other internal workshops/ information sessions including Transport Information Session
- Two launches for the Vegetation Book and Internal Waste Policy are scheduled for the coming months.

Greener Transport

In a bid to improve transport methods of Council staff, a second TravelSmart survey was undertaken in September 2012 to gain an understanding of staff travel habits at a different time of year (the inaugural survey held in March this year). Results are being analysed at the time of writing, however early findings are showing that just under 45 people out of the 138 who completed the survey would be willing to carpool once a week, if they were guaranteed a lift home. As a result, Climate Change & Environment, in conjunction with Finance and Regulatory Services are working together on a carpooling program which includes starting the program with a 4-Week Challenge, encouraging staff to carpool 'Just one day a Week'. As this is in progress, a further update will be provided in the next quarterly report.

In order to promote greener methods of travel, the Climate Change & Environment team held a Transport Forum for staff with included presentations on buses (presented by Public Transport division from Northern Territory Government), new NT wide car pooling scheme (presented by COOLmob), explanation of Council's

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new rebates for carpoolers and public transport users, as well as plans for the internal carpooling scheme.

To promote Ride2Work Day, the Climate Change & Environment teams joined with the Recreation team to hold a series of 'novice or nervous riders' workshops aimed at getting staff back on their bikes. Positive feedback was received from participants, who are now looking forward to riding regularly. Lunchtime ride events have also been scheduled for October to further increase the confidence of these new riders.



Level 3 Energy Audits

The Project Control Group consisting of Shelley Franklyn, Manager Climate Change & Environment, Liam Carroll Manager Business Services, Fiona Ray Manager Recreation, Maxine Flanagan Building Services Office and Clive Fowler Contracts Administrator, evaluated the tender submissions. The contract has been offered to Opus. Auditors were on onsite from 8 – 12 October visiting 11 of Council's major consuming facilities. It is expected the final report from the consultant will be received by the end of this year. Recommendations from the report will form the basis for an application to the Federal Government Community Energy Efficiency Program early 2013.

Internal waste audit

To better understand Council's internal waste habits, and to help inform the Internal Waste Policy, a waste audit will be undertaken during 8-12 October at the Civic Centre. Council will receive the report consisting of recommendations by end of October 2012. The report with recommendations, will inform the internal waste policy, which is expected to be launched in November this year.

Coastal erosion report

A consultant is working in close consultation with Capital Works and Climate Change & Environment. Presentation to Council on findings scheduled for later this year.

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External funding applications and awards

The Climate Change & Environment team were successful in receiving a \$4000 EnvironmeNT grant from the Northern Territory Government for the review and revamp of the Vegetation Booklet. The booklet is due to be publicly released at the end of October.

The team were unsuccessful in their application for a \$43,000 grant to undertake the first year of the East Point Biodiversity Strategy for the Federal Government Caring for Our Country program and have requested feedback as to why.

Swap@TheTop

The Climate Change & Environment, Waste & Recycling and Libraries teams co-hosted Swap@TheTop in July at Raintree Park. Community members brought in their unwanted items and swapped them for other items over the lunchtime period. Swap@TheTop provided Council with the opportunity to promote reuse and recycling messages. Keep Australia Beautiful held a fundraising BBQ, while the event received media coverage on the NT News and ABC drive time radio. Feedback was extremely positive with many community members asking for the event to be held more regularly. A special thanks to Sean Pardy from Youth Services who mc'd the event.

Recycled content stationary

After a successful trial, Council is now purchasing 100% recycled envelopes, letterhead and photocopy paper. A performance review will be undertaken in March 2013. This new initiative will be launched during National Recycling Week in early November.

LED lighting trial

Council, in conjunction with Power and Water Corporation are undertaking a LED Street Lighting trial. The trial involves the installation of 26 LED streetlights in Valder Crescent, Rapid Creek and VRD Drive, Leanyer. The trial will test the effectiveness and efficiency of LED street lighting over a 12 month period.

Other events

Nichole Jung attended an Energy Efficiency Workshop held by GTNT during August. Shelley Franklyn and Jade Leask attended a Darwin Harbour Advisory Committee organised tour of the Ludmilla Treatment Plant in September.

CONSULTATION PROCESS

Information was provided by relevant information areas.

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POLICY IMPLICATIONS

The Climate Change Action Plan 2011-2020 underpins Council's Climate Change Policy Number 059. Considering the Action Plan is valid until 2020, the progress against the Plan provides Council in good stead for the future.

BUDGET AND RESOURCE IMPLICATIONS

N/A

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

N/A

ENVIRONMENTAL IMPLICATIONS

As with the Policy Implications, considering the Plan is valid until 2020, the progress against the Plan provides Council in good stead for the future.

COUNCIL OFFICER CONFLICT OF INTEREST DECLARATION

We the Author and Approving Officers declare that we do not have a Conflict of Interest in relation to this matter.

SHELLEY FRANKLYN
MANAGER CLIMATE CHANGE & ENVIRONMENT

MARK BLACKBURN
EXECUTIVE MANAGER

For enquiries, please contact Shelley Franklyn on 89300530 or email: s.franklyn@darwin.nt.gov.au.

Attachments:

Attachment A CCAP Quarterly Update Number 2

Quarterly Progress Update #2

Climate Change Action Plan 2011-2020

Prepared by Shelley Franklyn 10/10/12

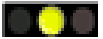
Introduction

The *Climate Change Action Plan 2011-2020* was endorsed by Council in October 2011 and launched in December 2011. The Plan outlines how Council will reduce its carbon footprint through a series of mitigation activities, and adapt to the effects of climate change. This is the second quarterly report on action progress.

A traffic light system (as used in Interplan) is used to provide progress against each performance indicator. There are 76 performance indicators in total. The breakdown of performance is as follows:



Green (completed or completed for the year) – 4



Orange (in progress) – 62








Red (behind schedule) – 2















Grey (not scheduled to start this year) – 8






Progress Report








Corporate Actions

Action		Lead Department	Responsibility	Time Frame	Performance Indicator	Status	Progress
C1	Develop strategies for Council to reduce its carbon footprint.	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	C1.1 Number of strategies adopted and targets met.		Strategies include: - launch of Sustainability@TheTop, Council's new interactive website including ongoing presentations with schools and other organisations as to how they can utilise the tool - second internal TravelSmart survey - appointment of a consultant to undertake Level 3 audits at Council's top eleven energy using facilities - ongoing implementation of Darwin Green Office program across Council - EC Environmental appointed to undertake a waste audit at Civic Centre.
C2	Develop a best appropriate practice planting strategy to address erosion control and habitat conservation and restoration.	Infrastructure	Coordinator Parks & Reserves	2011/12	C2.1 Best appropriate practice strategy developed		Management Plans for other areas classified as Urban Bushland in progress.
					C2.2 Development of suitable species list		Suitable species (including endemic) lists developed for amenity trees and some plans to date. Others are in progress.
C3	Advocate for the provision of coastal sea surge buffer zones.	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	C3.1 Number of advocacy activities undertaken		Advocacy opportunities include: - ongoing support to Capital Works Coordinator in relation to coastal erosion consultancy.
C4	Provide input into development proposals in relation to energy efficiency and climate change impacts	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	C4.1 Number of energy efficient clauses inserted into development proposals		Opportunities include: - completed CSIRO's online survey 'Making Adaptation Decisions' COMMENT: Council has little control over indicator C4.1 and as such it is difficult to measure against. Indicator C4.2 is also difficult to measure against. Manager Climate Change & Environment recommends updating or removing Performance Indicator in 3 year review of Climate Change Action Plan.








Action		Lead Department	Responsibility	Time Frame	Performance Indicator	Status	Progress
C5	Develop strategic partnerships for climate change initiatives.	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	C5.1 Strategic partnerships developed		Strategic partnerships developed with: - CSIRO regarding their online survey 'Making Adaptation Decisions' - Power and Water Corporation in regards to sustainable energy options - Melbourne, Sydney, Adelaide, Perth and Hobart councils regarding electric vehicles and fleet make-up - Perth and Hobart councils in regards to LED trials - Northern Territory Department of Lands and Planning, Bicycle Network and Bicycle NT regarding Super Tuesday National Bike Count and Ride2 Work Day - Royal Darwin Hospital, Casuarina Square, Darwin Airport and Charles Darwin University through membership of the northern suburbs Energy Users Group - Middle and senior schools within the municipality regarding involvement in Council lead climate change initiatives. - Internally, Youth Services team, Parks and Recreation, Capital Works, Recreation, Waste and Recycling.
W1	Develop a Water Efficiency Action Plan for Council open space assets.	Infrastructure	Manager Infrastructure Maintenance	2011/12	W1.1 Water Efficiency Action Plan developed		BMT appointed to undertake water efficiency study. The first draft due mid October.
					W1.2 Actions to reduce water consumption are identified		Initial site assessments have been undertaken. Final report of water efficiency study due end November which will include recommendations and actions.
W2	Continue the installation of water saving equipment in Council facilities.	Infrastructure	Building Maintenance Officer	Ongoing	W2.1 Installation of water saving equipment in Council facilities		Water saving equipment installed includes: - Water saving taps at Darwin Entertainment Centre and Malak Family Centre
					W2.2 Number and type of projects implemented		As above.
W3	Monitor and report on Council water usage.	Infrastructure	Manager Infrastructure Maintenance	2011/12	W3.1 Annual water usage report		Annual water use will be better defined after recommendations in water efficiency study are identified and implemented. Water usage is very dependant on climate and seasonal changes due to reliance on irrigation water for landscapes, and high water use through HVAC water cooling towers.







Action		Lead Department	Responsibility	Time Frame	Performance Indicator	Status	Progress
W4	Provide effective responses to Darwin Harbour Integrated Monitoring and Research Program.	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	W4.1 Participation in the development and implementation of a Darwin Harbour Water Quality Protection Plan		Effective responses provided through: - Beach Monitoring Taskforce - Minister appointed membership to Darwin Harbour Advisory Committee (DHAC).
W5	Incorporate principles of Water Sensitive Urban Design in Council Subdivisions and Development Guidelines.	Infrastructure	Team Coordinator Waste & Recycling and Development	2011/12	W5.1 Water Sensitive Urban design incorporated into guidelines		Working with develops to ensure Water Sensitive Urban Design is being incorporated in the Muirhead development.
					W5.2 Promotion of Water Sensitive Urban Design for Darwin subdivisions		As above.
W6	Incorporate strategies for landscaping, utilising water conservation principles and appropriate plant species in public open spaces and road verges.	Infrastructure	General Manager Infrastructure	2015/16	W6.1 Number of strategies implemented		Top End provenance species selected for Cavenagh Street landscaping. Irrigation design accommodates deep watering for trees only and further facilitates surface water for shallow rooted covers.
L1	Develop a strategy to maintain and enhance the urban forest.	Infrastructure	Coordinator Parks & Reserves	2011/12	L1.1 Strategy developed		Joint planting initiative with East Point Aero Modellers successful in receiving \$9459 through the Territory NRM local grant funding which will expand and intensify original planting activity in 2012 wet season. The program planning for this project is completed and plants ordered for wet season planting day. CBD Tree Management Works Program and Advanced Tree Nursery at Operations Centre are in process of being developed.
					L1.2 Strategy implemented		This is dependent on above action.





Action		Lead Department	Responsibility	Time Frame	Performance Indicator	Status	Progress
L2	Develop and implement a Coastal Erosion Management plan for Council owned land.	Infrastructure	Team Leader Capital Works	2011/12	L2.1 Development of a Coastal Erosion Management plan for the municipality		BMT have been appointed to undertake a coastal erosion management study for Council. Report findings are due to be presented to at a Council workshop towards the end of the year.
					L2.2 Implementation of Coastal Erosion Management Plan		This is dependent on above action and as a result will have a much longer timeframe than originally anticipated.
L3	Take into account coastal erosion, sea surge and flooding in all new infrastructure and development projects.	Infrastructure	General Manager Infrastructure	2011/12	L3.1 New infrastructure and development projects constructed taking into consideration the future effects of sea level rise and storm surge zones		All new Council infrastructure and development projects take into account coastal erosion, sea surge and flooding. Council also provides comment on new development proposals in regards to coastal erosion, sea surge and flooding through the Development Consent Authority process.
A1	Lobby for external scientific approaches to improve and monitor air quality.	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	A1.1 Number of lobbying activities undertaken.		Developed relationship with Charles Darwin University Air Quality Unit and has used their air quality data in i-Tree Eco project.
B1	Increase native endemic vegetation to ensure conservation of existing communities.	Infrastructure	Coordinator Parks & Reserves	2011/12	B1.1 Number of areas of conserved habitat for biodiversity		Joint planting initiative with East Point Aero Modellers successful in receiving \$9459 through the Territory NRM local grant funding which will expand and intensify original planting activity in 2012 wet season. The program planning for this project is completed and plants ordered for wet season planting day.

Action		Lead Department	Responsibility	Time Frame	Performance Indicator	Status	Progress
B2	Advocate for biodiversity and habitat monitoring by external organisations.	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	B2.1 Number of advocacy activities undertaken		Advocacy opportunities include: - Ongoing support to non government organisations including Frogwatch for their Reversing Reptile Decline project) and Conservation Volunteers Australia (identifying projects within the municipality) - Minister appointed membership to Darwin Harbour Advisory Committee (DHAC).
B3	Continue to revegetate East Point Recreation Reserve.	Infrastructure	Coordinator Parks & Reserves	Ongoing	B3.1 Number of revegetation activities undertaken		Joint planting initiative with East Point Aero Modellers successful in receiving \$9459 through the Territory NRM local grant funding which will expand and intensify original planting activity in 2012 wet season. The program planning for this project is completed and plants ordered for wet season planting day.
R1	Review and enhance Council's kerbside waste minimisation strategy.	Infrastructure	Team Leader Waste & Recycling	2013/15	R1.1 Review of strategy undertaken		Not scheduled to start this year. Survey to be undertaken to understand community recycling knowledge.
					R1.2 Volume of waste sent to landfill per capita		0.213 tonnes of waste per capita for 2010/11. This figure is recorded annually.
					R1.3 Recycling rates per capita		0.6 tonnes of recycling per capita for 2010/11. This figure is recorded annually.
R2	Advocate and promote a greater range of economical recyclable products to be included within Council's recycling service.	Infrastructure	Team Leader Waste & Recycling	2011/12	R2.1 Number of advocacy and promotional opportunities undertaken		Advocacy opportunities include: - on Council's behalf Cleanaway conducted 25 school based talks. - six Shoal Bay tours were undertaken this month including a tour for a visiting Sister City delegation. - held Swap @TheTop community event July 13 - recycling signage trial at unit complexes. Feedback from a body corporate manager revealed that the signage was successful in some areas. The body corporate manager has since installed signs at other managed complexes at own cost. - displays during Adult Learners Week and Royal Darwin Show including promotional seed sticks which were very popular - first of three television commercials aired 23 September 2012.
R3	Continue to promote Council's Policy Position on Container Deposit Legislation.	Infrastructure	Team Leader Waste & Recycling	2011/12	R3.1 Number of promotional activities undertaken		Container deposit legislation continues. Residents in Darwin and outside Darwin contact Council for details of cash for can locations. Council stays updated on locations and other factors that may effect the scheme.





Action		Lead Department	Responsibility	Time Frame	Performance Indicator	Status	Progress
R4	Develop a Green Purchasing Policy for Council.	Corporate	General Manager Corporate	2012/13	R4.1 Development of a Green Purchasing Policy		Planned for third quarter 2012/13
					R4.2 Percentage of green products and services purchased		<p>A trial has been successfully undertaken for 100% recycled envelopes, letterhead and copy paper. Once old stocks are depleted, recycled stock will be purchased. The performance of the recycled stock will be reviewed in six months (March 2013). It is hoped to promote the change at the beginning of National Recycling Week in early November.</p> <p>It is too early to provide a percentage as per Performance Indicator R4.2.</p>
R5	Develop an internal waste policy with actions to encourage staff to reduce their waste production while at work.	Office of the Chief Executive	Manager Climate Change & Environment	2011/12	R5.1 Internal waste policy developed		EC Environmental appointed to undertake a waste audit at the beginning of October. Draft report due end of October. Report recommendations will inform Internal Waste Policy.
R6	Monitor and report on Council's waste production.	Office of the Chief Executive	Manager Climate Change & Environment	2011/12	R6.1 Waste reporting including recycling rates		As above. The Internal Waste Policy will identify waste reporting methods.
R7	Encourage all areas of Council, community, markets and other events to implement a requirement for environmentally preferable packaging.	Office of the Chief Executive	General Manager Corporate	2011/12	R7.1 Ratio of community events using environmentally preferable packaging.		Continuing to liaise with markets to advocate environmentally preferable packaging.



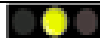

Action		Lead Department	Responsibility	Time Frame	Performance Indicator	Status	Progress
R8	Promote the minimisation of plastic bag use and packaging internally.	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	R8.1 Volume of plastic bags and packaging sent to landfill per full time equivalent		Promotional opportunities included: - held the Swap@TheTop community event July - Sustainability@TheTop promotes reduced packaging - investigation into opportunities to reduce packaging - held a plastic free lunch as part of Nude Food Day in October.
E1	Undertake programmed energy audits on Council's major energy consuming facilities every three years.	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing (every three years)	E1.1 Energy Audits completed		Opus appointed to undertake Level 3 energy audits at Council's eleven top consuming facilities. Report due mid December 2012. Baseline data currently being collected for Council's major consuming assets.
					E1.2 Continual benchmarking of progress		Benchmarking will occur once datasets are robust and complete. This is dependent on Performance Indicator E1.1.
					E1.3 Identified areas in Council's operations where cost effective energy reductions can be made		This is dependent on completion of Performance Indicator E1.1. However, previous Level 2 audits undertaken provide some guidance for current facility upgrades.
E2	Conduct regular Greenhouse Gas Inventories every three years.	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	E2.1 Regular Greenhouse Gas Inventories undertaken		Greenhouse gas inventory planned for late 2012.
			Team Leader Waste & Recycling		E2.2 Regularly address Council's compliance with emissions trading scheme		Council will begin to report to NGERS as per requirement of the Clean Energy Regulator as part of Council's responsibilities under the Carbon Pricing Mechanism. Carbon pricing mechanism commenced 1 July 2012.
E3	Apply ecologically sustainable development (ESD) design principles and energy efficiency	Infrastructure	Building Maintenance Officer	Ongoing	E3.1 Number of new and refurbished Council buildings with ESD design principles applied		Ecologically sustainable development projects include - new LED lighting installed in Operations Centre - LED trial at Bicentennial Park - Opus appointed to undertake Level 3 energy audits at Council's 11 top consuming facilities. Report due mid December 2012.






Action		Lead Department	Responsibility	Time Frame	Performance Indicator	Status	Progress
	criteria for new and refurbished council facilities.						
E4	Investigate feasibility of renewable generated power for use within Council's facilities and parks.	Infrastructure	General Manager Infrastructure	2013/14	E4.1 Feasibility studies undertaken		A project plan for installation of a solar hot water system at Nightcliff Swimming Pool is being developed in preparation for the Australian Government Local Government Energy Efficiency Program grant program which is expected to open late October 2012.
E5	Lobby Power and Water Corporation to provide local accredited GreenPower.	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	E5.1 Number of lobbying activities undertaken.		The Manager Climate Change & Environment has been invited to attend the recently developed Energy Users Group. Members include Royal Darwin Hospital, Casuarina Square, Darwin Airport, hosted by Charles Darwin University. This will provide Council with an opportunity to strengthen ties across the community, and allow for exchange of information.
E6	Encourage energy efficient features in new public lighting design.	Infrastructure	Team Leader Capital Works	2011/12	E6.1 Ratio of energy efficient features versus actual projects		Lighting projects include: - joint LED streetlight trial with Power and Water Corporation for 26 LED streetlights in Valder Crescent, Rapid Creek and VRD Drive, Leanyer - Yanula Park light design includes censored LED lights - discussions with Power and Water Corporation in specifying a luminaire type (150 W high pressure sodium) for street lights as a standard. Currently 80 W mercury vapour lights are used - LED trial at Bicentennial Park.
E7	Develop a Green Computer Policy.	Corporate	General Manager Corporate	2013/14	E7.1 Development of a Green Computer Policy		Planned for third quarter 2012/13.
E8	Develop a Green Fleet policy to minimise GHG emissions including investigating the use of electric vehicles/ scooters for Darwin central	Corporate	General Manager Corporate	2013/14	E8.1 Development of a Green Fleet Policy		Still currently in draft as research and investigations continue due to changes in best practice. Council has a number of hybrid vehicles (trucks and passenger) in its fleet, and continues to replace petrol vehicles with fit for purpose hybrids.
					E8.2 Investigation into electric vehicles/ scooters undertaken		Charles Darwin University Masters student (Manager Climate Change & Environment) investigating passenger electric vehicle usage for inclusion in Council's fleet for thesis.

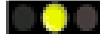
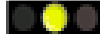
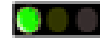

Action		Lead Department	Responsibility	Time Frame	Performance Indicator	Status	Progress
	business district usage.						
E9	Promote the benefits of car-pooling, biking, walking and public transport use to staff.	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	E9.1 Number of promotional activities undertaken		Promotional activities undertaken: <ul style="list-style-type: none"> - internal Transport Forum promoted carpooling, public transport and cycling options - staff bike refresher workshops encouraging staff back on to their bikes - coordinated two lunchtime rides to encourage staff to head outside on their lunch breaks - hosting CBD community Ride2Work Day breakfast and Operations Centre and Casuarina Library staff breakfasts - Sustainability@TheTop promotes greener methods of travel - second internal TravelSmart survey - Darwin Green Office focus on transport during October - car pooling and public transport rebates promoted - development of Green Travel Plan for new starters in process
E10	Allocate staff priority parking spaces for car-poolers.	Corporate	General Manager Corporate	2013/15	E10.1 Set-up of priority car spaces		Limited take up of car pooling option. This action will need to be reviewed as priority spaces not being effective as an incentive. A carpooling scheme is also in development.
E11	Monitor and report Council's energy usage and emissions.	Office of the Chief Executive	Manager Climate Change & Environment	2011/12	E11.1 Annual energy reporting		Baseline data currently being collected internally for major consuming assets.
E12	Promote energy conservation and concept of sustainable living to all staff.	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	E12 Number of promotional activities undertaken		Promotional activities include: <ul style="list-style-type: none"> - Sustainability@TheTop presentations to staff. - Darwin Green Office ongoing activities including <ul style="list-style-type: none"> - Sustainable House Day presentation - Water conservation presentation - Transport Forum - held the Swap@TheTop community event July.




Community Actions





Action		Lead Department	Responsibility	Time Frame	Performance Indicator	Status	Progress
CMC1	Develop public education displays for libraries and public events around climate change issues.	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	CMC1.1 Number of public displays and events participated in		Public displays and events include: - launch of Sustainability@TheTop, Council's new interactive website including ongoing presentations with schools and other organisations as to how they can utilise the tool. This included Sustainability@TheTop as the default homepage for the library computers for the week of the launch - Royal Darwin Show display - presentation to University of the 3 rd Age and schools within the community - Darwin Harbour Clean Up - Held the Swap@TheTop community event July.
CMC2	Provide information and tools to assist reduction of energy consumption within the community.	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	CMC2.1 Number of programs and products delivered		Information and tools provided: - launch of Sustainability@TheTop, Council's new interactive website including ongoing presentations with schools and other organisations as to how they can utilise the tool. - supported Coolmob's Sustainable apartments project through Sustainability@TheTop - Royal Darwin Show display - Presentation to University of the 3 rd age and schools within the community
CMC3	Work with and support, community based sustainability events.	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	CMC3.1 Number of public displays and events participated		Public displays and events include: - Darwin Harbour Clean Up - Great Northern Clean Up - launch of Sustainability@TheTop, Council's new interactive website including ongoing presentations with schools and other organisations as to how they can utilise the tool - Super Tuesday National Bike Count - Ride2Work Day - Nude Food Day - internal Transport Forum.
CMC4	Provide climate change and environment grant funding.	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	CMC4.1 Number of successful applicants to grants		Four successful grants were awarded as part of the Climate Change and Environment Community Grant Funding, equating to \$26,037 in funding. Next round of funding scheduled for 2013.


Action		Lead Department	Responsibility	Time Frame	Performance Indicator	Status	Progress
					CMC4.2 Estimated reduction of greenhouse gas emissions due to grants		Applicants had difficulty in providing a sufficient answer to this question. As a result, the inclusion of links to online calculators in the application may be considered next year.
CMW1	Build partnerships with external agencies to provide community education campaigns for reduced water usage.	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	CMW1.1 Number of partnerships developed		Strategic partnerships developed with: - CSIRO regarding their survey into 'Making Adaptation Decisions' - Power and Water Corporation in regards to sustainable energy options - Melbourne, Sydney, Adelaide, Perth and Hobart Councils regarding electric vehicles and fleet make up - Perth and Hobart councils in regards to LED trials - Northern Territory Department of Lands and Planning, Bicycle Network and Bicycle NT regarding Super Tuesday National Bike count and Ride2Work Day - Royal Darwin Hospital, Casuarina Square, Darwin Airport and Charles Darwin University through membership to the northern suburbs Energy Users Group - Middle and Senior Schools within the municipality regarding involvement in Council lead climate change initiatives. - Internally, Youth Services team, Parks and Recreation, Capital Works, Recreation, Waste and Recycling.
					CMW1.2 Number of combined education campaigns undertaken		Campaigns include: - Great Northern Clean Up - Sustainability@TheTop launch at Darwin High School - Super Tuesday National Bike Count - Ride2Work Day - Nude Food Day - internal Transport Forum.
CML1	Advocate for urban intensification along public transport corridors, high density and urban design, incorporating universal design principles to	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	CML1.1 Number of submissions made for efficient urban design projects		No new advocacy opportunities since the previous quarterly update.

Action		Lead Department	Responsibility	Time Frame	Performance Indicator	Status	Progress
	provide 'Ageing-in-Place' independent living.						
CMB1	Work with a variety of government and non government organisations to promote benefits of community tree planting days.	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	CMB1.1 Number of public displays and events participated in annually		Joint planting initiative with East Point Aero Modellers successful in receiving \$9459 through the Territory NRM local grant funding which will expand and intensify original planting activity in 2012 wet season. The program planning for this project is completed and plants ordered for wet season planting day.
					CMB1.2 Number of revegetation programs completed annually		As above.
					CMB1.3 Number of Council contracts		As above.
CMB2	Promote the protection areas of high conservation values in the Darwin municipality.	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	CMB2.1 Number of promotions undertaken		Joint planting initiative with East Point Aero Modellers successful in receiving \$9459 through the Territory NRM local grant funding which will expand and intensify original planting activity in 2012 wet season. The program planning for this project is completed and plants ordered for wet season planting day.
CMR1	Promote recycling and resource recovery at community events and use promotional activities to assist in educating residents in reduction of waste	Office of the Chief Executive	Manager Climate Change & Environment	2011/12	CMR1.1 Number of promotions undertaken		Promotional activities undertaken: <ul style="list-style-type: none"> - on Council's behalf Cleanaway conducted 25 school based talks. - six Shoal Bay tours were undertaken this month including a tour for a visiting Sister City delegation. - held Swap @TheTop community event July - recycling signage trial at unit complexes. Feedback from a body corporate manager revealed that the signage was successful in some areas. The body corporate manager has since installed signs at other managed complexes at own cost. - displays during Adult Learners Week and Royal Darwin Show including promotional seed sticks which were very popular - first of three television commercials aired 23 September 2012 - major campaign planned for National Recycling Week (November 2012)

Action		Lead Department	Responsibility	Time Frame	Performance Indicator	Status	Progress
	generated from households.						<p>- Sustainability@TheTop promotes reuse and recycling.</p> <p>The responsibility for this Action has changed to the Team Leader Waste & Recycling. Manager Climate Change & Environment recommends updating the responsibility in the 3 year review of Climate Change Action Plan.</p>
CMR2	Provide prominent recycling information on recycling receptacles.	Infrastructure	Team Leader Waste & Recycling	Ongoing	CMR2.1 Provision of information on recycling receptacles		<p>All new bins and replaced bins are hot stamped with recycling information.</p> <p>All new collection services receive a calendar with recycling information.</p> <p>A communications plan has been compiled and includes plans to send out a recycling directly to all Darwin residents.</p>
CMR3	Continue to provide contemporary community education for waste and recycling.	Infrastructure	Team Leader Waste & Recycling	Ongoing	CMR3.1 Number of community education events/ programs held		<p>Promotional activities undertaken:</p> <ul style="list-style-type: none"> - on Council's behalf Cleanaway conducted 25 school based talks. - six Shoal Bay tours were undertaken this month including a tour for a visiting Sister City delegation. - held Swap @TheTop community event July - recycling signage trial at unit complexes. Feedback from a body corporate manager revealed that the signage was successful in some areas. The body corporate manager has since installed signs at other managed complexes at own cost. - displays during Adult Learners Week and Royal Darwin Show including promotional seed sticks which were very popular - first of three television commercials aired 23 September 2012 - Sustainability@TheTop promotes reuse and recycling.
CMR4	Support the minimisation of single use plastic bags within the community.	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	CMR4.1 Volume of plastic bags consumed within the community		<p>Council supports the NTG ban on plastic bag ban as per their Environmental Policy.</p> <ul style="list-style-type: none"> - participated in and supported the Darwin Harbour clean up. - promoted reusable bags at the Swap@TheTop event - new Council promotional bags made out of recycled material
CME1	Promote energy efficient building design suitable for the tropical climate of Darwin in partnership with other	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	CME1.1 Number of promotions undertaken		<p>Promotional activities include:</p> <ul style="list-style-type: none"> - internal promotion of National Sustainable House Day - lighting plans distributed across all facilities - discussion with Green Building Council of Australia's CEO regarding tropical climates and community and building design - Opus appointed to undertake Level 3 energy audits at Council's eleven top consuming facilities. Report due mid December 2012.

Action		Lead Department	Responsibility	Time Frame	Performance Indicator	Status	Progress
	organisations.						
CME2	Advocate to relevant authorities the potential for reward schemes or incentives for residents that implement measurable power conservation initiatives.	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	CME2.1 Number of advocacy opportunities undertaken		Not started.
CME3	Promote emission reduction strategies, cool housing designs, Energy Star rated appliance information and grid connected solar panels.	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	CME3.1 Number of promotional activities undertaken		Promotional activities undertaken: - launch of Sustainability@TheTop, Council's new interactive website including ongoing presentations with schools and other organisations as to how they can utilise the tool - supported Coolmob's Sustainable Apartments project on Sustainability@TheTop and throughout Council - Royal Darwin Show display - Sustainability@TheTop promotes sustainable house design.
CME4	Participate in programs encouraging efficient energy usage in households.	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	CME4.1 Number of public displays and events participated in		Displays and events include: - launch of Sustainability@TheTop, Council's new interactive website including ongoing presentations with schools and other organisations as to how they can utilise the tool. - supported Coolmob's Sustainable Apartments project on Sustainability@TheTop and throughout Council - Royal Darwin Show display - Sustainability@TheTop promotes sustainable house design - attended and supported Group Training NTEnergy Efficiency workshops.

Action		Lead Department	Responsibility	Time Frame	Performance Indicator	Status	Progress
CME5	Advocate to relevant authorities energy-efficient design standards and codes for commercial and industrial premises.	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	CME5.1 Number of advocacy opportunities undertaken		Opus appointed to undertake Level 3 energy audits at Council's eleven top consuming facilities. Report due mid December 2012. Discussion with Green Building Council of Australia's CEO regarding tropical climates and community and building design.
CME6	Promote the benefits of car-pooling, biking, walking and public transport use in the community.	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	CME6.1 Number of promotional activities undertaken		Promotional activities include: - hosting CBD community Ride2Work Day breakfast and Operations Centre and Casuarina Library staff breakfasts - Super Tuesday National Bike Count - Walk to Work Day - provided assistance to COOLmob in promoting their new carpooling website - Sustainability@TheTop promotes greener travel methods.
CME7	Lobby for sustainable public transport systems.	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	CME7.1 Number of lobbying activities undertaken.		Lobbying activities undertaken: - Minister appointed membership to Darwin Harbour Advisory Committee (DHAC). - installation of a public bike pod in Chinatown Carpark - Super Tuesday National Bike Count - hosting CBD community Ride2Work Day breakfast and Operations Centre and Casuarina Library staff breakfasts - provided assistance to COOLmob in promoting their new carpooling website - internal Transport Forum promoted carpooling, public transport and cycling options - adoption of Reimburables Policy which includes 50% rebate on carparking for carpoolers and 100% rebate on public transport for Civic Centre staff - internal carpooling scheme being developed beginning with a four week challenge.
CME8	Advocate the introduction 'Park and Ride' Hubs.	Office of the Chief Executive	Manager Climate Change & Environment	Ongoing	CME8.1 Introduction of 'Park and Ride' Hubs		At this stage, Park and Ride hubs are developed by the Northern Territory Government and Council promote them on Sustainability@TheTop.

Action		Lead Department	Responsibility	Time Frame	Performance Indicator	Status	Progress
					CME8.2 Number of advocacy opportunities undertaken		Advocacy opportunities undertaken: <ul style="list-style-type: none"> - Existing hubs promoted through Darwin Green Office and Sustainability@TheTop - Green Travel Plan to include information about Park and Ride hubs - internal Transport Forum promoted carpooling, public transport and cycling options.

**ENVIRONMENT & INFRASTRUCTURE
COMMITTEE/OPEN**
AGENDA ITEM: 9.3
WASTE AND RECYCLING SEPTEMBER 2012 QUARTERLY REPORT
REPORT No.: 12TS0143JW:TP
COMMON No.: 1738353
DATE: 23/10/2012

Presenter: Team Coordinator Development & Waste Management,
Joy Welshman

Approved: General Manager Infrastructure, Luccio Cercarelli

PURPOSE

The purpose of this report is to provide an update on Council's waste management and recycling activities for the July to September 2012 quarter.

LINK TO STRATEGIC PLAN

The issues addressed in this Report are in accordance with the following Goals/Strategies of the Darwin City Council 2008 – 2012 as outlined in the 'Evolving Darwin Strategic Directions: Towards 2020 and Beyond':-

Goal

4 Create and Maintain an Environmentally Sustainable City

Outcome

4.3 Increase efficiency of waste management

Key Strategies

4.3.1 Continue to lobby for, provide and develop contemporary waste management practices

KEY ISSUES

- The Council's 2012/2013 Fees and Charges included a component for the Australian Government's Carbon Pricing Mechanism (CPM) which came into effect as of 1 July 2012.
- Work is progressing on Carbon Farming Initiatives (CFI) which could be applied at Shoal Bay to potentially off-set Council's financial liability.
- Design and documentation work continues on the asbestos management systems for Shoal Bay.
- Construction of the new lined waste cell is underway with an expected completion mid December.
- The Pre Cyclone Clean Up was conducted in September with more than 470 tonnes collected over both weekends.

PAGE: 2
 REPORT NUMBER: 12TS0143JW:TP
 SUBJECT: WASTE AND RECYCLING SEPTEMBER 2012 QUARTERLY REPORT

RECOMMENDATIONS

THAT it be a recommendation to Council:-

THAT Report Number 12TS0143JW:TP entitled Waste And Recycling September 2012 Quarterly Report, be received and noted.

BACKGROUND

Quarterly reports on waste management and recycling activities are provided to inform Council of recycling and waste collection volumes and trends.

Council staff continued to progress matters relating to the operations of the Shoal Bay Waste Management Facility and these included:

- The impact of the Council's 2012/2013 Fees and Charges including a component for the Australian Government's Carbon Pricing Mechanism (CPM) which came into effect as of 1 July 2012.
- Investigation of Carbon Farm Initiative (CFI) opportunities to reduce emissions from the site and reduce Council's potential financial liability under the CPM.
- Design and documentation of the asbestos management systems.
- Construction of the new lined waste cell is underway with an expected completion mid December.

DISCUSSION

Shoal Bay Waste Management Facility

The Shoal Bay Waste Management Facility provides a transfer station and mulching operations for use by domestic users, landfill for commercial users, recycling collections and sales facility and a landfill gas processing plant. Data is provided throughout the report on all aspects of these operations.

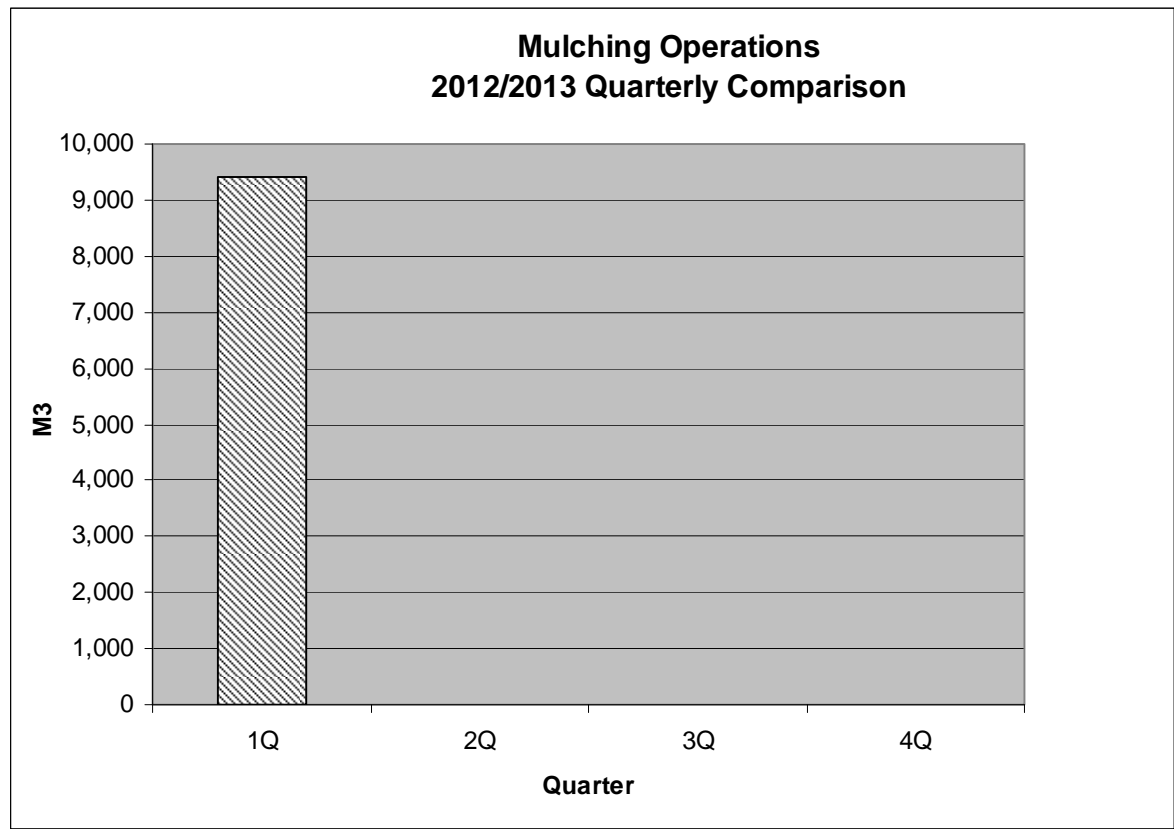
Gas Extraction Operations

On average, sufficient power is now generated from the gas extraction process to power 1,800 Darwin homes per annum.

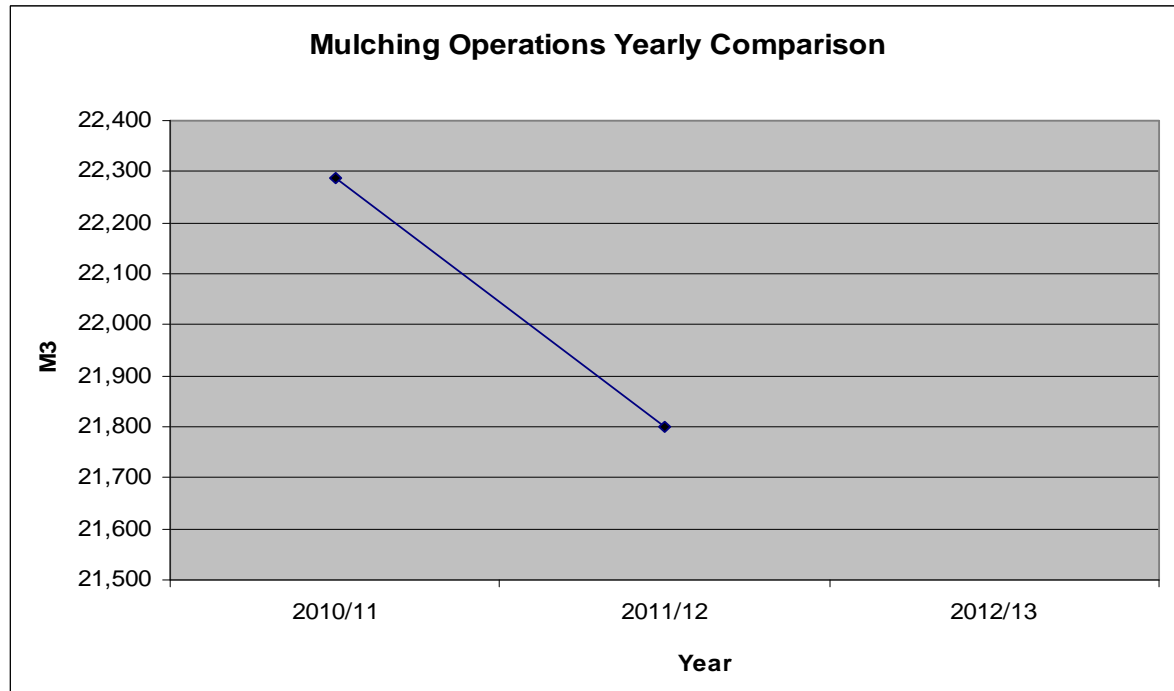
Investigations into expanding the gas extraction system and improving its efficiency are ongoing. The benefits of this include reduced gas emissions and therefore Council liabilities under the Australian Governments CPM and production of more green power within the municipality. This will be the subject of a future report.

Mulching Operations

The quantity of residential green waste mulch` has increased from the previous quarter with a total of 9,404 m3 of residential green waste processed for the first quarter 2012/2013. The graph below shows the mulching results for this Quarter.



The graph below shows a comparison between the years of mulching operation for the current contract. There is a difference of 500 m3 between the two years



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Recycling Operations

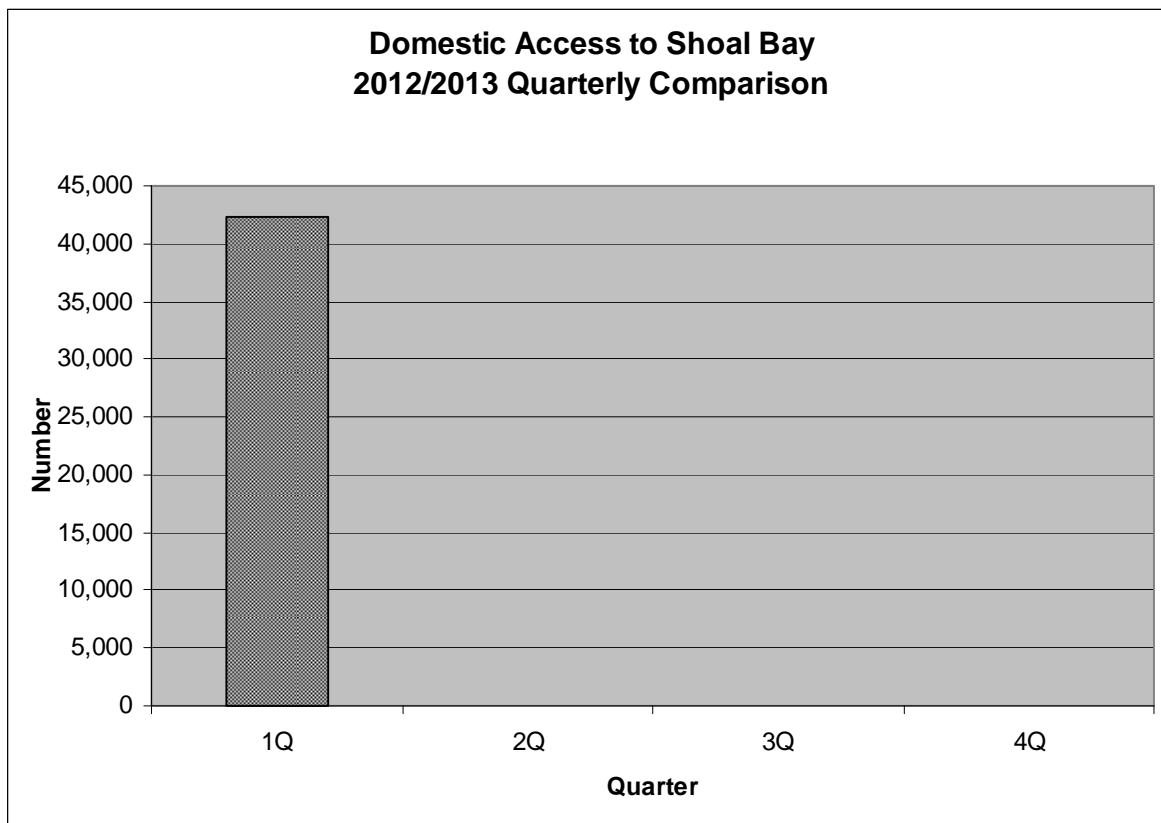
Council's recycle shop contractor Northern Territory Recycling Services (NTRS) continues to retrieve large quantities of materials diverted from landfill for recycling.

At the time of this report the data for the recycling operations was not available. This will be included in the second quarter report.

Landfill Operations

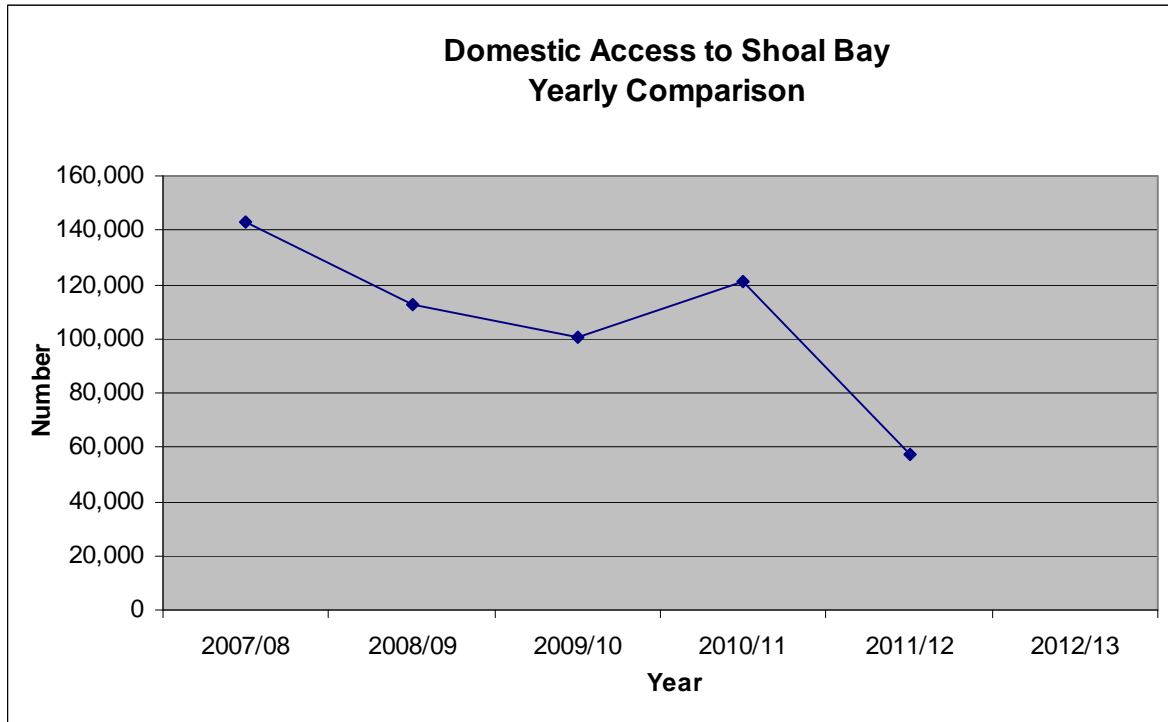
Domestic Access to Shoal Bay

A upgrade in the weighbridge software system has allowed for closer analysis of data. Domestic access to Shoal Bay is recorded using the electronic tag system. There was a total of 42,297 visits in the first quarter of this year. A total of 218 non Darwin domestic users visited the facility.



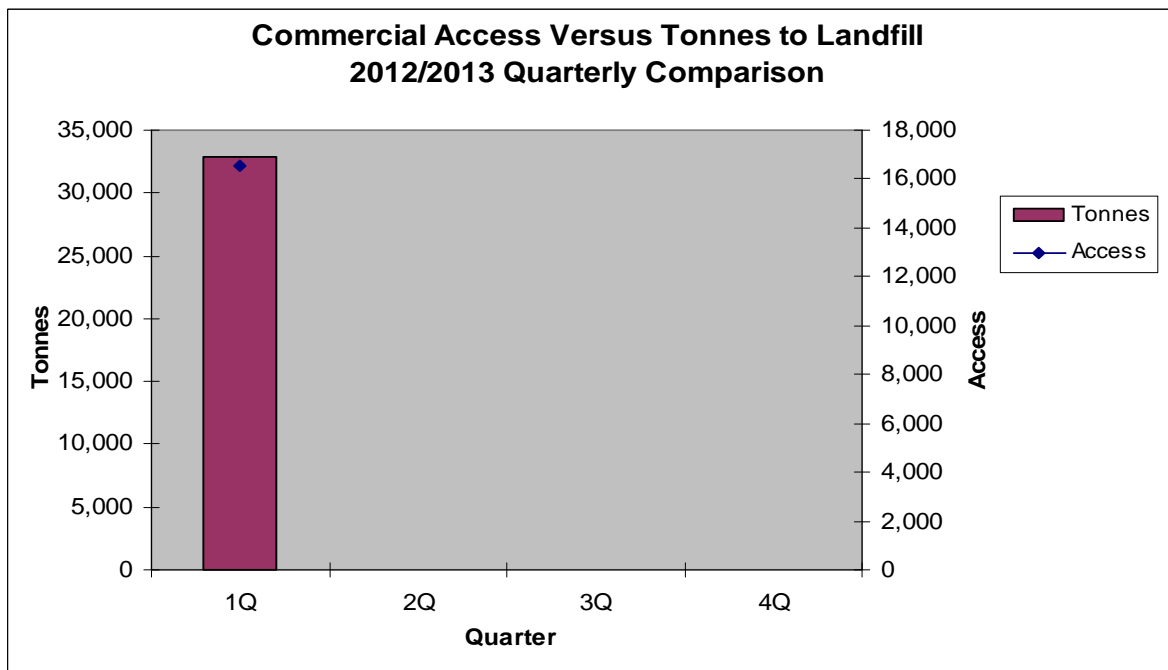
The domestic boomgate and software was nonoperational for a significant time in 2011/2012 leading to the non-recording of domestic access data. Which has affected the results.

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 REPORT NUMBER: 12TS0143JW:TP
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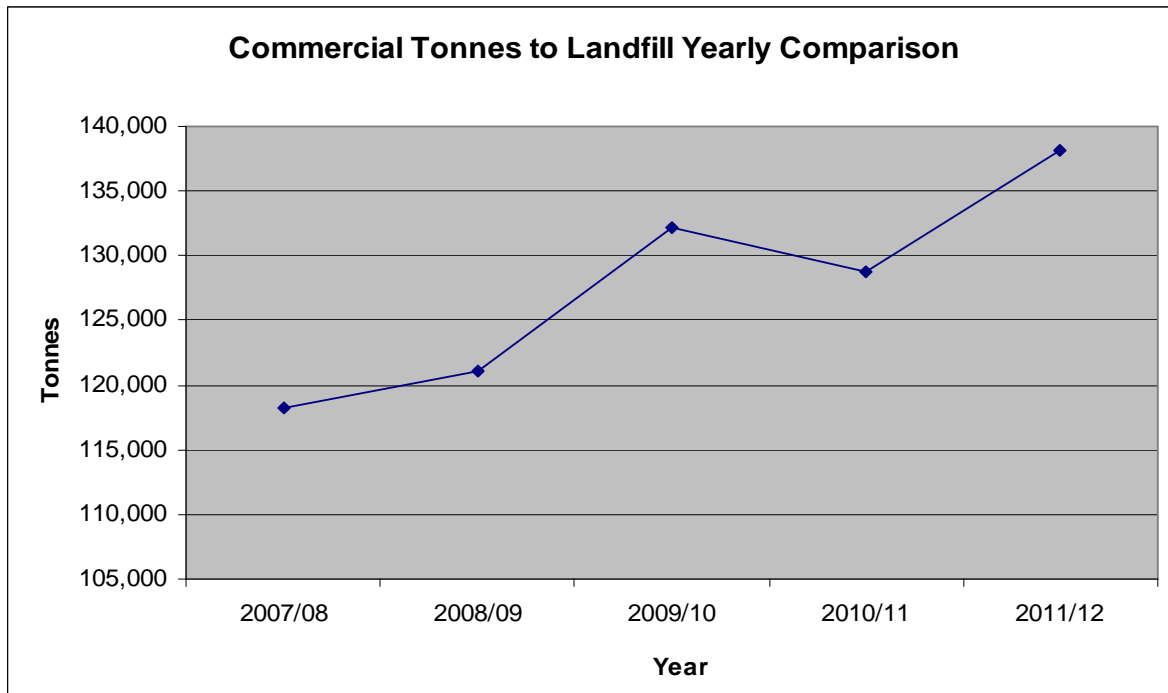
Commercial Access to Shoal Bay

Commercial access includes all visits to Shoal Bay including waste accepted from Palmerston, Litchfield and Dundee Beach transfer stations. The average load being disposed of at Shoal Bay is approximately 2 tonnes per commercial vehicle with 32,842 tonnes brought in and 16,575 commercial vehicles accessing the site for the quarter.



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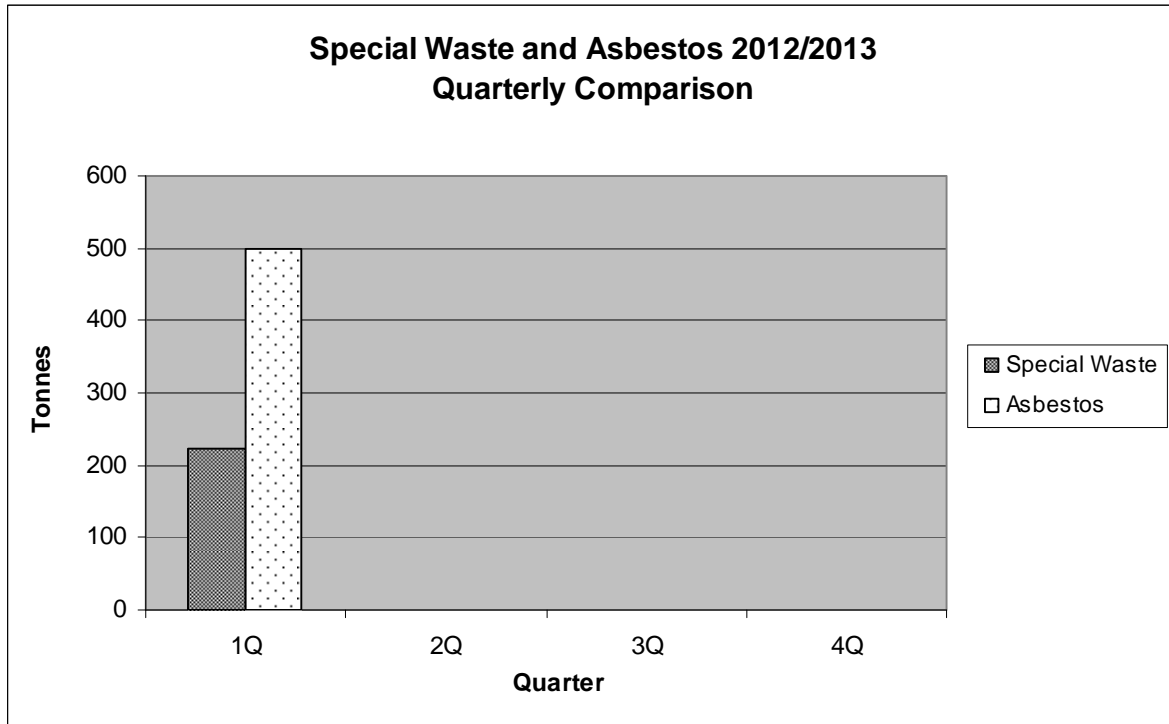
As expected the commercial disposal of waste at Shoal Bay has continued to increase over the past five years with the exception of a slight decrease in the 2010/2011 financial year. This can be attributed to issues such as residential and commercial growth within Darwin.



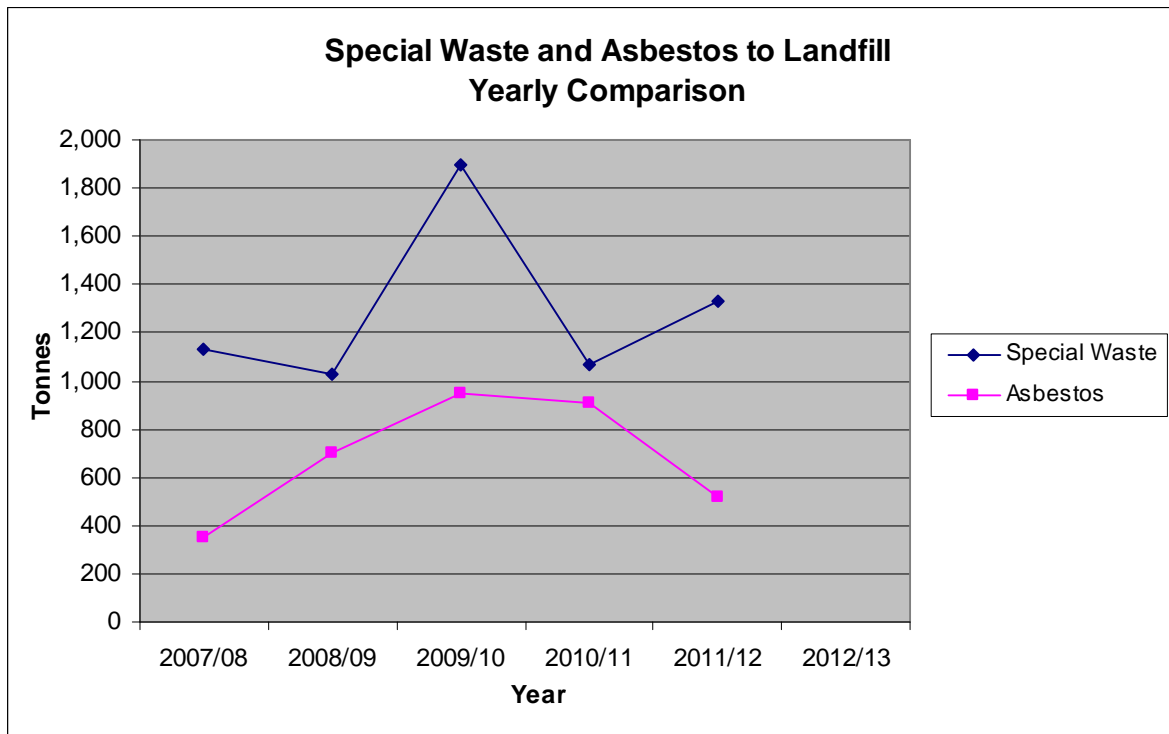
Special Waste and Asbestos

As of 1 July this year asbestos from outside the Greater Darwin Region has been accepted at Shoal Bay. This has led to increased asbestos disposal which is expected to continue for a number of years due to the quantities estimated to be stored around Darwin.

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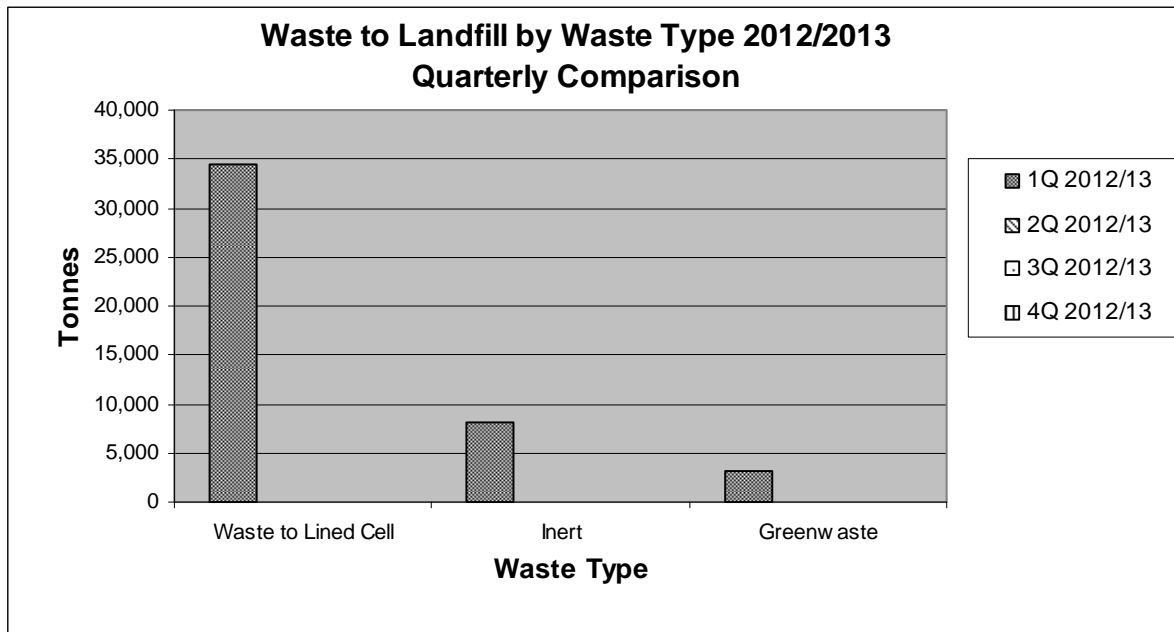
The below graph shows the trend in the past for special wastes to out quantify the amount of asbestos being disposed of. This trend is expected to change in the coming years.



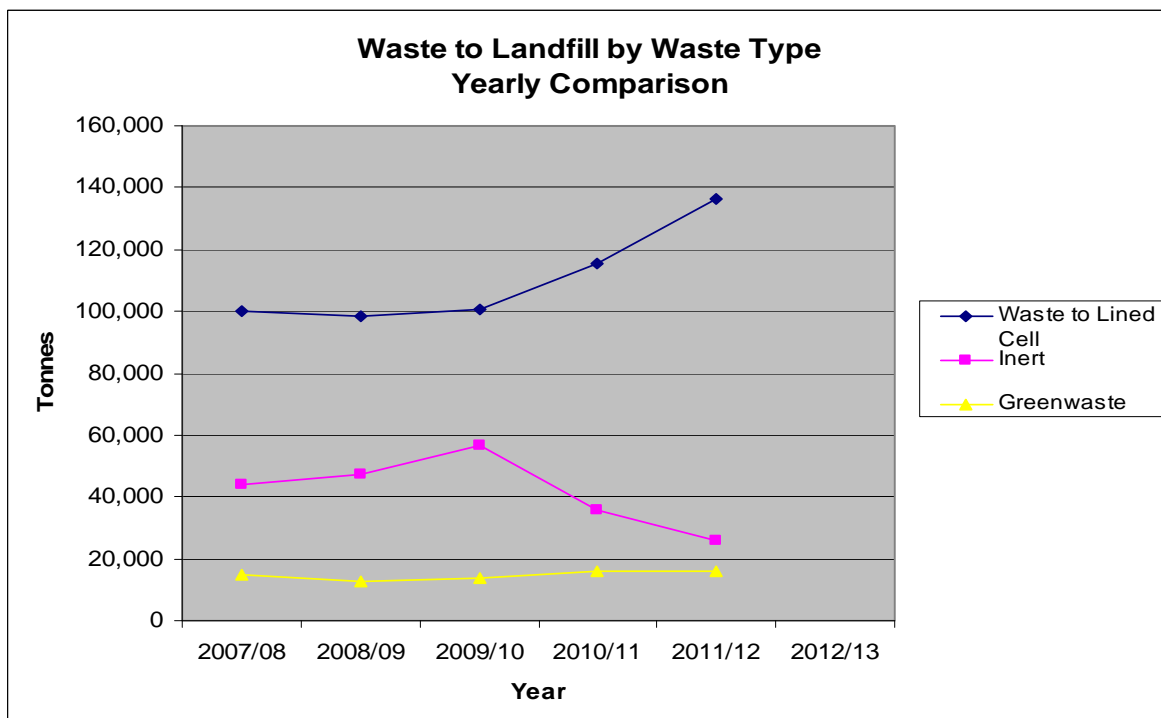
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Waste to Landfill by Waste Type

The majority of waste brought in to Shoal Bay is disposed in the lined cell at Shoal Bay. Commercial greenwaste is also disposed in the lined cell but treated separately.

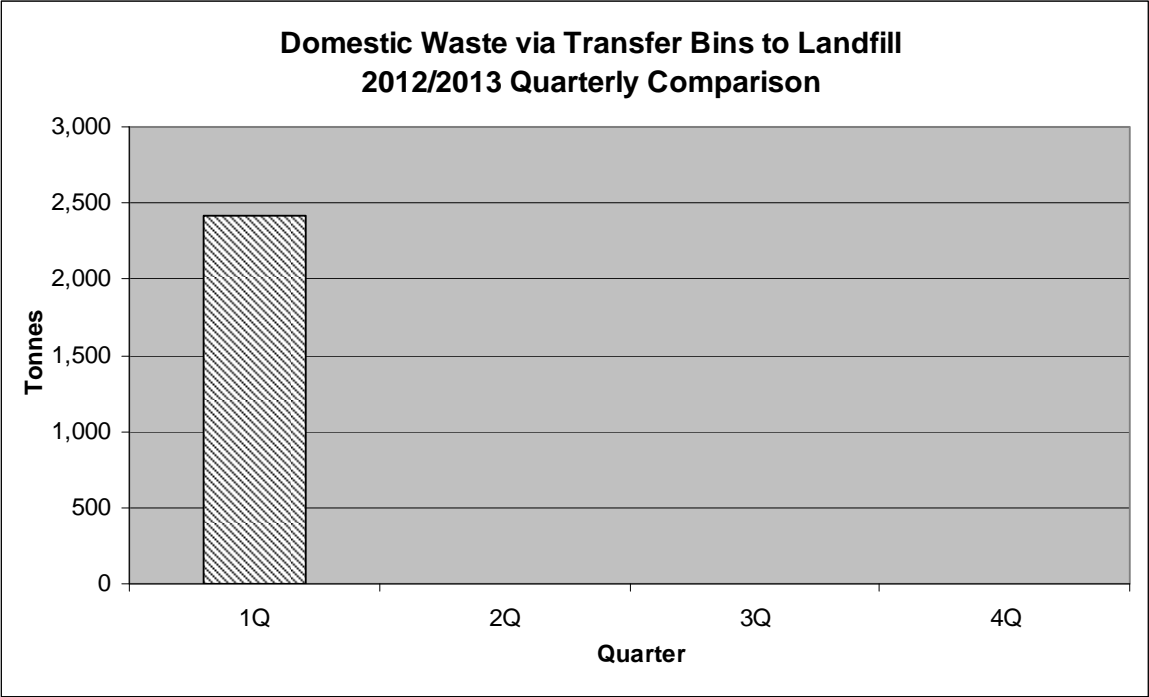


The deposit of inert waste has decreased since the 2009/2010 financial year due to the restriction of waste types that are able to be disposed in this area. Monitoring of the inert landfill at Shoal Bay was introduced in March 2011.

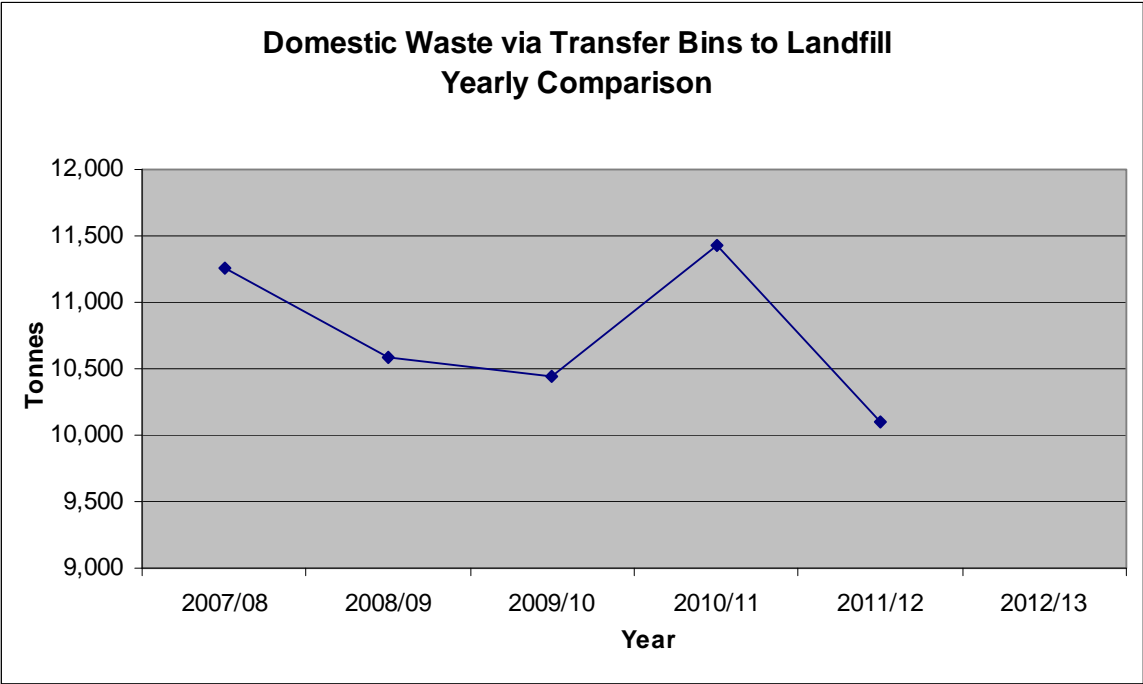


Transfer Station

Waste items deposited in the transfer station represent domestic waste only.



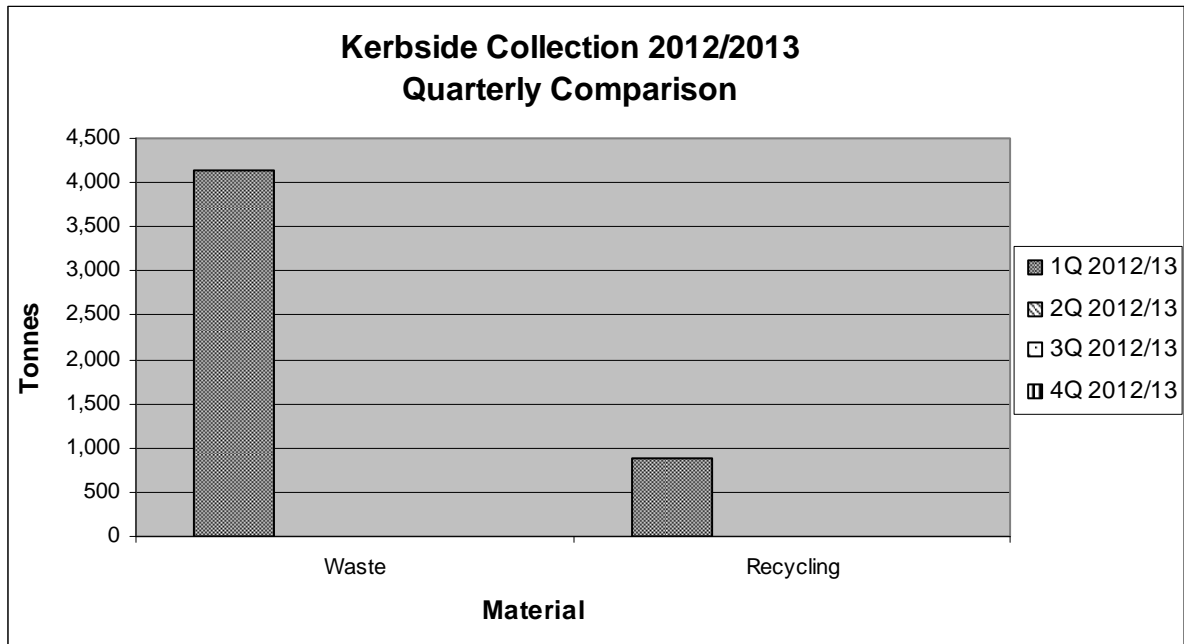
Domestic waste to landfill has decreased significantly in the 2011/2012 financial year but is just under the 2009/2010 financial year. The sharp increase in 2010/2011 may be due to the presence of Cyclone Carlos in February 2010 which saw a large increase in domestic traffic prior to and after the event.



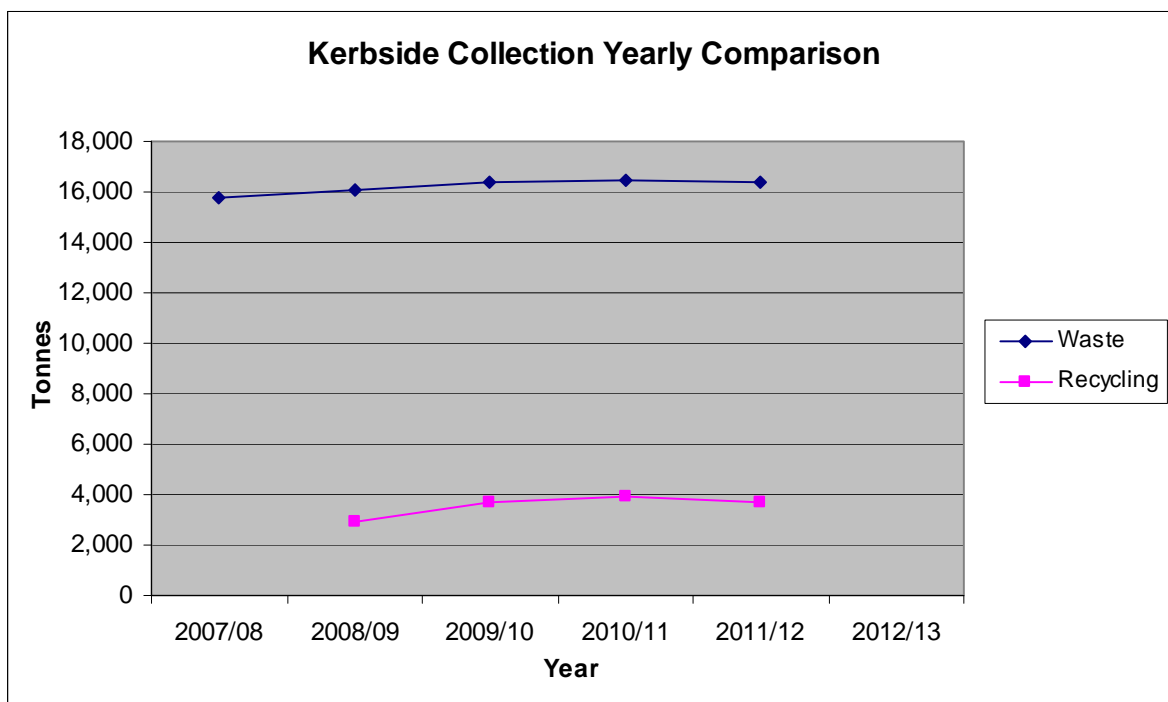
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Kerbside Collection

The kerbside collection provides a general waste service (red lidded bin) and recycling service (yellow lidded bin) for use by residents. The amount of general waste generated continues to be significantly greater than that of recyclables.

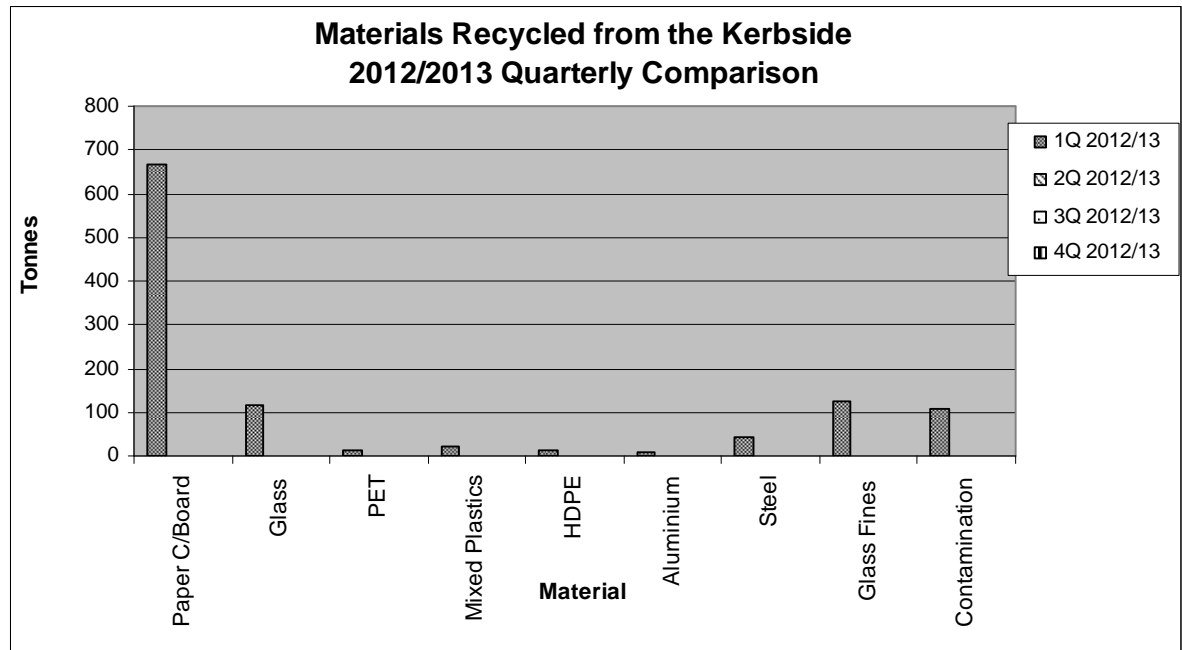


Data for the kerbside recycling is not available for the 2007/2008 financial year. Both kerbside service quantities remain steady.

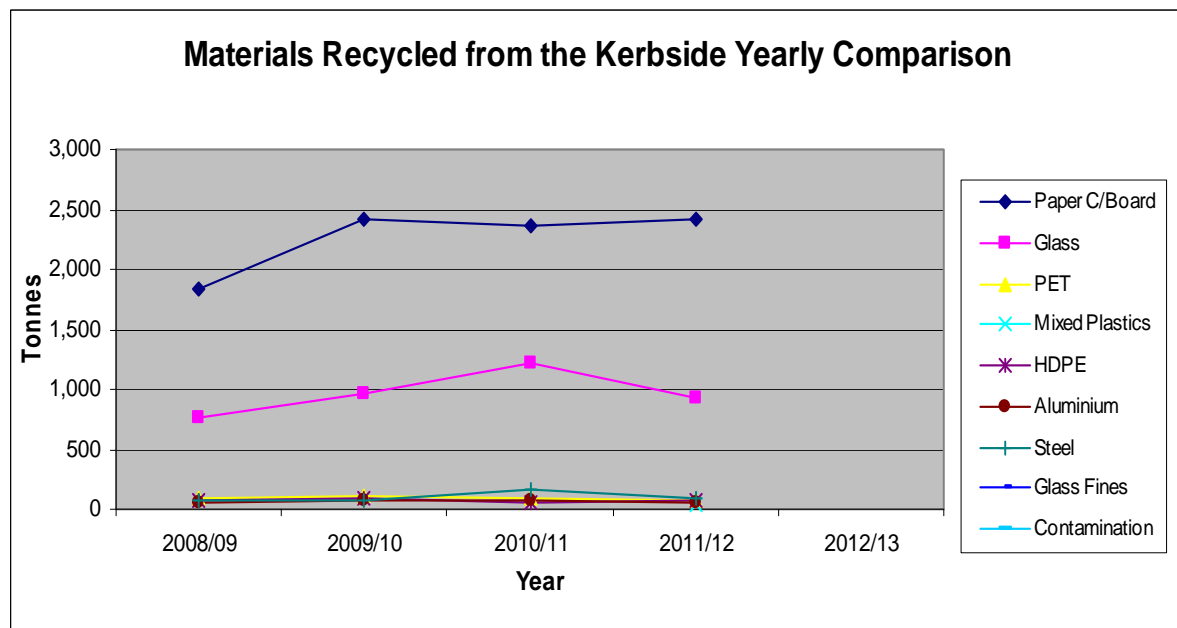


Materials Recycled from the Kerbside

Cardboard and paper continues to be the greatest stream of recyclables collected in the kerbside service with 668 tonnes collected this quarter. Mixed plastics (3 to 7) was introduced May 2012 and has increased from 7 tonne for the first quarter last year to 15 tonne collected this quarter.



Glass materials are the only recyclable stream that has noticeably decreased over the last few years. This decrease may be due to the anticipated introduction of the cash for containers scheme.



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Community Education

The Transpacific Cleanaway, Community Education Officer, undertook the following activities during the quarter.

- 25 classes were visited for recycling talks representing a total of 525 students and 33 adults;
- Promotion of Community Education Program;
- Preparation of education resources for teachers and students;
- Sourcing of promotional materials to be given away to students;
- Updating promotional material with Darwin logo.

The City of Darwin directly undertook the following activities in the quarter:

- Annual Pre Cyclone Clean Up in all suburbs was completed with collection of over 470 tonnes. A separate report outlines the full details;
- One school group tour of Shoal Bay Waste Management Facility;
- An education talk and tour of Shoal Bay was undertaken for the second delegation from Ambon;
- Inaugural 'Swap @ The Top' event was held in July with more than 100 participants;
- Display at the Royal Darwin Show;
- Liaison with Keep Australia Beautiful regarding their programmes and initiatives is ongoing;
- TV ads and an educational DVD were shot during this quarter. The first television advertisement has aired. The DVD is expected to be ready for distribution to schools, Council facilities and for educational purposes in the second quarter.

Upcoming community education activities being considered:

- School visits;
- Upgrading of educational material at Shoal Bay Recycle Facility;

CONSULTATION PROCESS

In preparing this Report the following parties were consulted:

In preparing this report the following parties were consulted:

- City of Darwin's – Team Leader Waste and Recycling
- Transpacific Cleanaway
- Northern Territory Recycling Services (NTRS)
- Landfill Management Services (LMS)
- Macmahon

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 SUBJECT: WASTE AND RECYCLING SEPTEMBER 2012 QUARTERLY REPORT

POLICY IMPLICATIONS

Council continues to promote smarter recycling. Operations and activities are undertaken in accordance with Council policies.

BUDGET AND RESOURCE IMPLICATIONS

Operations are being undertaken in accordance with the City of Darwin's approved budgets.

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

Operations are being undertaken in accordance with the City of Darwin's contracts, licenses and relevant legislation.

ENVIRONMENTAL IMPLICATIONS

Operations are conducted to minimise impacts on the environment through recycling initiatives, salvaging works and gas extraction from the landfill.

COUNCIL OFFICER CONFLICT OF INTEREST DECLARATION

We the Author and Approving Officers declare that we do not have a Conflict of Interest in relation to this matter.

JOY WELSHMAN
TEAM COORDINATOR
DEVELOPMENT & WASTE
MANAGEMENT

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

For enquiries, please contact Joy Welshman on 89300413 or email:
j.welshman@darwin.nt.gov.au.

**ENVIRONMENT & INFRASTRUCTURE
COMMITTEE/OPEN**
AGENDA ITEM: 9.4
ASSET MANAGEMENT QUARTERLY UPDATE - JULY TO SEPTEMBER 2012
REPORT No.: 12TS0168ND:KB
COMMON No.: 1832912
DATE: 23/10/2012
Presenter: Manager Assets, Nadine Douglas
Approved: General Manager Infrastructure, Luccio Cercarelli
PURPOSE

The purpose of this report is to provide Council with an update of the Asset Management activities within the last quarter from July to September 2012.

LINK TO STRATEGIC PLAN

The issues addressed in this Report are in accordance with the following Goals/Strategies of the Darwin City Council 2008 – 2012 as outlined in the 'Evolving Darwin Strategic Directions: Towards 2020 and Beyond':-

Goal

7 Demonstrate Effective, Open and Responsible Governance

Outcome

7.1 Effective governance

Key Strategies

7.1.4 Apply a total asset management approach to Council assets

KEY ISSUES

- Asset Management Plans are being developed for the five (5) main asset classes; roads, pathways, stormwater, buildings and parks.
- The road reseal and footpath construction programs are underway.

RECOMMENDATIONS

THAT it be a recommendation to Council:-

THAT Report Number 12TS0168ND:KB entitled Asset Management Quarterly Update - July To September 2012, be received and noted.

PAGE: 2
 REPORT NUMBER: 12TS0168ND:KB
 SUBJECT: ASSET MANAGEMENT QUARTERLY UPDATE - JULY TO SEPTEMBER 2012

BACKGROUND

Quarterly reports are provided to inform Council of the activities of the Asset Management Section of the Infrastructure Department.

DISCUSSION

Asset Management Plans

Asset Management Plans on Council's five (5) asset classes are currently underway. The plans will include information on the current value of the asset, the cost of operations and maintenance into the future, links to the strategic plan, long term financial plan, service levels and risk assessment.

The plans will be presented to Council as they are developed for adoption, including presentations on what trends the plans are indicating.

The asset groups for which plans are being developed are;

- Roads
- Pathways
- Stormwater
- Buildings
- Parks and Reserves

The plans will provide Council with a complete overview of the current assets and assist with decision making on service levels, future works and financial planning.

Jeff Roorda and Associates (JRA) Asset Management Review

Work is continuing on addressing the recommendations of the Darwin City Council Asset Management Sustainability Review undertaken by Jeff Roorda and Associates in 2009. The implementation of the recommendations will ensure Council has measures in place to maintain, in a sustainable manner, it's estimated \$1 Billion (Replacement Value) of assets and ensure continuous improvement.

Regular reports on the progress of the implementation of the Jeff Roorda recommendations are presented to Council's Audit Committee for review and consideration.

Additional work is being undertaken to prioritise the remaining recommendations and to ensure that all plans are in line with current national asset management practices.

Asset Management (AM) System

The development and refinement of the Authority Asset Management System is ongoing. Data has been uploaded to the system and training undertaken by key

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 REPORT NUMBER: 12TS0168ND:KB
 SUBJECT: ASSET MANAGEMENT QUARTERLY UPDATE - JULY TO SEPTEMBER 2012

staff. The functionality of the system and how it integrates with current organisational practices is being reviewed to ensure that the system delivers on operational requirements.

Integration between the Councils Asset Management and Geographic Information Systems is being developed to allow for linkages between the systems, improving functionality and operational effectiveness.

Infrastructure Maintenance and Inspection Programs

Roads

- The 2012/13 Reseal Program is underway with 60% of the program completed.
- A tentative program until 2015 has been developed based on Council's asset management data..

Stormwater

- Approximately 5km of stormwater pipe will be CCTV surveyed to monitor condition and ensure they are meeting operational needs; the program is based on information from Council's maintenance crews combined with asset management data such as those systems with areas nearing the end of their expected useful life.
- All existing condition survey records are continuing to be analysed in order to develop a three year rolling program for maintenance and refurbishment decisions. The data is also utilised in revaluations and review of asset life expectancies.

Pathways

- Three (3) year rolling footpath construction and reconstruction program is being implemented and reviewed annually.
- Smaller footpath areas have been completed, with larger works having commenced in September.
- The results of the audit survey completed earlier in 2012 are being collated and the data is being analysed to determine future works programs.

CONSULTATION PROCESS

Regular reports are presented to Council's Audit Committee and internal Asset Management Steering Committee.

POLICY IMPLICATIONS

Programs are implemented in accordance with relevant Council policies.

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 REPORT NUMBER: 12TS0168ND:KB
 SUBJECT: ASSET MANAGEMENT QUARTERLY UPDATE - JULY TO SEPTEMBER 2012

BUDGET AND RESOURCE IMPLICATIONS

All activities are being carried out within current budgets.

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

Program is addressing Council's legislative obligations.

Improved knowledge reduces strategic and physical risks to the community and infrastructure assets.

ENVIRONMENTAL IMPLICATIONS

No implications, better managed assets results in optimised useful asset life, decreasing wastage.

Environmental considerations form part of developing programs.

COUNCIL OFFICER CONFLICT OF INTEREST DECLARATION

We the Author and Approving Officers declare that we do not have a Conflict of Interest in relation to this matter.

NADINE DOUGLAS
MANAGER ASSETS

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

For enquiries, please contact Nadine Douglas on 89300417 or email:
 n.douglas@darwin.nt.gov.au.

**ENVIRONMENT & INFRASTRUCTURE
COMMITTEE/OPEN**
AGENDA ITEM: 9.5
**INFRASTRUCTURE – DESIGN, PLANNING & PROJECTS – SEPTEMBER 2012
QUARTERLY REPORT**
REPORT No.: 12TS0172 DL:lm COMMON No.: 1832896 DATE: 23/10/2012
Presenter: Manager Design, Planning & Projects, Drosso Lelekis
Approved: General Manager Infrastructure, Luccio Cercarelli
PURPOSE

The purpose of this report is to provide an update on the activities of the Infrastructure Department Design, Planning & Projects Section for the July to September 2012 quarter.

LINK TO STRATEGIC PLAN

The issues addressed in this Report are in accordance with the following Goals/Strategies of the City of Darwin 2008 – 2012 as outlined in the 'Evolving Darwin Strategic Directions: Towards 2020 and Beyond':-

Goal

2 Enhance Darwin's Active, Positive and Flexible Lifestyle

Outcome

2.1 Improve urban enhancement around Darwin

Key Strategies

2.1.4 Provide a clean and liveable municipality

KEY ISSUES

- The key roles of the Design and Projects teams within the Design, Planning and Projects Section of the City of Darwin's Infrastructure Department are to undertake technical investigations, provide responses to external and internal stakeholder enquiries, facilitate designs and undertake construction of items both within the City of Darwin's Capital Works programs and as required.
- The key roles of the Planning team within the Design, Planning and Projects section of the City of Darwin's Infrastructure Department are to assess and respond to Development Applications to the Northern Territory Government's Development Assessment Services, to report on Development Applications of particular significance to the City of Darwin and to assess, respond to and report on Liquor License, Alfresco Dining and Signage applications, respond to and report on NT Planning Scheme amendment proposals and deal with Strategic Planning matters if and when they arise.

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 REPORT NUMBER: 12TS0172 DL:lm
 SUBJECT: INFRASTRUCTURE – DESIGN, PLANNING & PROJECTS – OCTOBER 2012 QUARTERLY REPORT

- The Council's Roads to Recovery project, being the reconstruction of Cavenagh Street between Daly Street and Searcy Street commenced on 16 August 2012 and is progressing;
- Council has received Local Area Traffic Management (LATM) funding in 2012/13 for pine log fencing replacement and also a number of roadworks projects, including road safety improvements around the Nightcliff Middle school, formalised drop-off parking arrangements at the Leanyer Primary School, intersection improvement works at Chapman Road/Fox Crescent, and St Marys Primary School Kiss and Go parking arrangement;
- The Municipal Harbour Coastal Erosion Management Study is progressing;
- The Northern Territory Government (NTG) has provided \$1 million of funding to Council for the implementation of specific infrastructure, along the Nightcliff foreshore;
- The CBD Parking Strategy Review project was presented to the CBD Parking Advisory Committee for feedback in August 2012;
- The CBD traffic study is progressing and is expected to be completed in late December;
- Council has received Black Spot funding for road safety improvements along Aralia Street, Nightcliff;
- The basket ball court in Holzeland Park, Malak has been completed;
- A Secure Cycle parking facility within the Chinatown Car Park has been completed;
- A joint trial of 26 LED Streetlights commenced with the PowerWater Corporation in the suburbs of Leanyer and Rapid Creek.

RECOMMENDATIONS

THAT it be a recommendation to Council:-

THAT Report Number 12TS0172 DL:lm entitled Infrastructure – Design, Planning & Projects – September 2012 Quarterly Report, be received and noted.

PAGE: 3
 REPORT NUMBER: 12TS0172 DL:lm
 SUBJECT: INFRASTRUCTURE – DESIGN, PLANNING & PROJECTS – OCTOBER 2012 QUARTERLY REPORT

BACKGROUND

Quarterly reports on the activities of the Design, Planning and Projects Section of the Infrastructure Department are provided to inform the City of Darwin.

DISCUSSION

The following provides highlights of activities which have occurred in the Section and is provided for Council's information:

- Various traffic report assessments associated with development applications and proposals within the Darwin municipality have been undertaken including projects such as Proposed Rezoning Bagot Road & Dick Ward Drive and Development of Lot 7425 Bayview Boulevard.
- The CBD Parking Strategy Review project was presented to the CBD Parking Advisory Committee in August 2012, with feedback from members of the Committee due by 5 October 2012;
- The CBD traffic study is progressing and is expected to be completed in late December;
- Construction work on the Council's Roads to Recovery project, being the reconstruction of Cavenagh Street between Daly Street and Searcy Street, commenced on 16 August 2012 and works are continuing. This work includes the upgrading of the landscaping within a number of Cavenagh and Gardens Road median islands;
- The Council has received Local Area Traffic Management (LATM) funding in 2012/13 for roadside pine log fencing replacement and also a number of roadworks projects, including:
 - road safety improvements around the Nightcliff Middle School;
 - formalised drop-off parking arrangements at the Leanyer Primary School
 - intersection improvement works at Chapman Road/Fox Crescent;
 - removal of pine log barriers and installation of kerbing along sections of parking bays at East Point
 - St Marys Primary School Kiss and Go Parking arrangement.
- Road safety improvements around the Nightcliff Middle School will be the subject of a community consultation process to be undertaken during the next quarter;
- There are six (6) LATM projects (excluding pine log fencing replacement) in the 2012/13 budget with one (1) of these projects carried over from the 2011/12 financial year. Design has commenced on five (5) of the six (6) projects;

PAGE: 4
 REPORT NUMBER: 12TS0172 DL:lm
 SUBJECT: INFRASTRUCTURE – DESIGN, PLANNING & PROJECTS – OCTOBER 2012 QUARTERLY REPORT

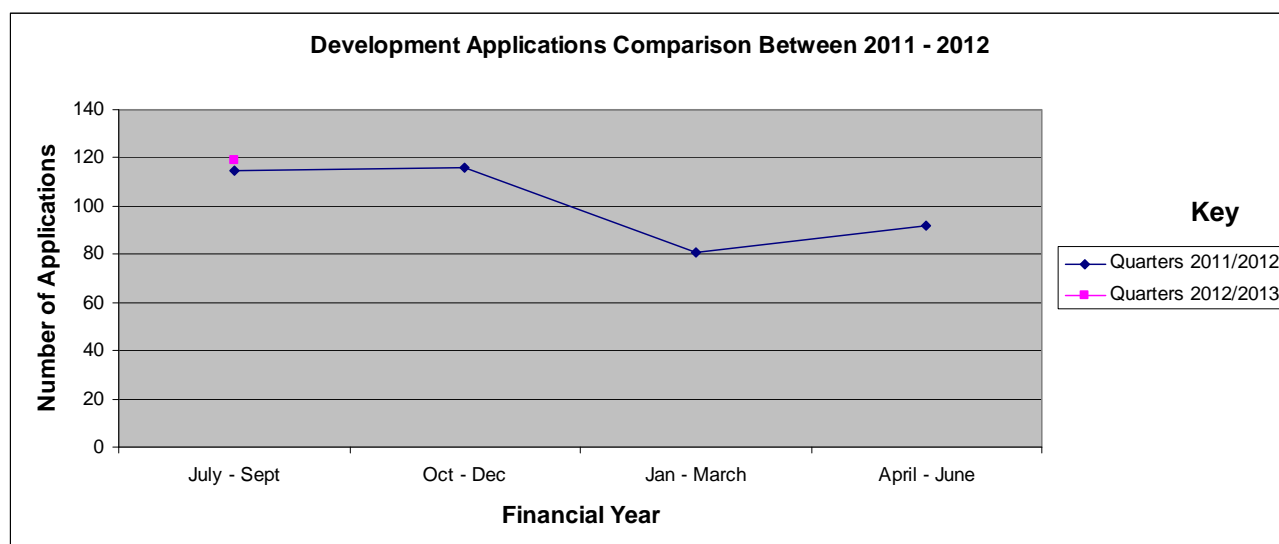
- Community consultation relating to the proposed Wanguri Terrace traffic calming measures was undertaken in the quarter. The outcome will be the subject of a future report;
- A number of major stormwater drainage upgrade projects have been designed, including works along Meigs Crescent, Stuart Park and in Cullen Bay. Construction work will commence in the next quarter. Other minor stormwater upgrade works, consisting of mostly increasing the capacity of side entry pits in various locations throughout the municipality, have been completed;
- Drainage improvements at a number of sites within the Vestey's Lake area to minimise water ponding and potential mosquito breeding sites, was completed in the quarter;
- A "Safe Routes to School" Assessment has been completed at the Larrakeyah Primary School. A similar assessment is programmed for the Leanyer Primary School in the second quarter;
- The Municipal Harbour Coastal Erosion Management Study is progressing;
- The Northern Territory Government (NTG) has provided \$1 million of funding to Council for the implementation of specific infrastructure, along the Nightcliff foreshore. This project update is subject to a separate report to Council.;
- The construction of a basket ball court in Holzeland Park, Malak has been completed;
- A universal access hoist has been installed at the Nightcliff Swimming Pool to replace the existing non-functioning hoist;
- A Secure Cycle Parking facilities within the Chinatown Car Park has been completed;
- Council and the PowerWater Corporation commenced a joint trial of 26 LED Streetlights within two roads being V.R.D, Leanyer and Valder Crescent, Rapid Creek;
- Council has received Black Spot funding for road safety improvements along Aralia Street, Nightcliff. Concept designs are nearing completion. A community consultation plan is being developed and will be undertaken during the next quarter.

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 REPORT NUMBER: 12TS0172 DL:lm
 SUBJECT: INFRASTRUCTURE – DESIGN, PLANNING & PROJECTS – OCTOBER 2012 QUARTERLY REPORT

Development Applications

The Town Planning Committee endorsed one hundred and nineteen (119) letters in response to Development Applications, made to the Northern Territory Government Development Assessment Services, for the Darwin Municipality in the July to September 2012 quarter.

Of the one hundred and nineteen (119) Development Applications, twenty-four (24) were the subject of reports to the Committee. Of the twenty-four (24) reports presented to the Committee, four (4) were to amend the NT Planning Scheme to Rezone property, eight (8) were Subdivision Applications, with the balance being major development proposals.

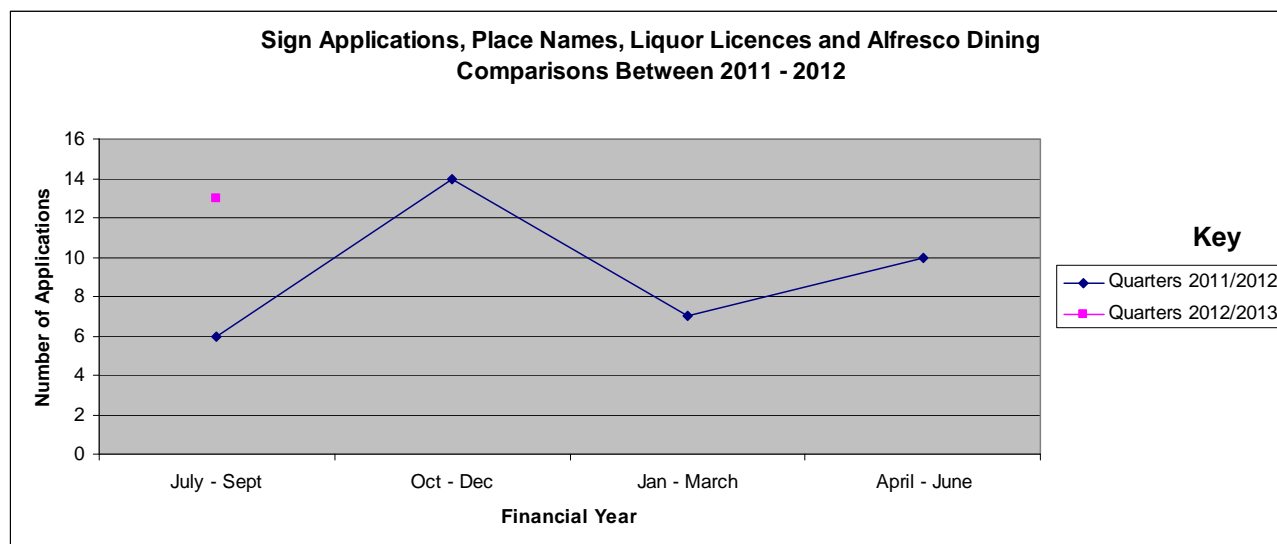


Sign Applications, Place Names, Liquor Licences and Alfresco Dining

- A total of seven (7) Sign application/s were received and considered against Council's Signs Code.
 - One (1) application was approved by Council.
 - Four (4) applications were approved under delegations.
 - One (1) application was not considered as the application was not completed in full.
 - One (1) application was refused as it was third party advertising.
- One (1) Place Name application for the Suburb of Muirhead was received and endorsed by Council.

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 REPORT NUMBER: 12TS0172 DL:lm
 SUBJECT: INFRASTRUCTURE – DESIGN, PLANNING & PROJECTS – OCTOBER 2012 QUARTERLY REPORT

- Four (4) Liquor Licence applications were considered by Council and no objections were raised in relation to the applications. Applications received were as follows:
 1. Lot 5244 (1) Gilruth Avenue Town of Darwin – Incoming – Dept of Justice – Material Alteration of Liquor Licenced Premises – SkyCity Darwin.
 2. Lot 3751 (48) Mitchell Street Town of Darwin – Incoming Application – Dept of Justice – Material Alteration of Liquor Licence – Wisdom Bar & Café.
 3. Lot 9099 (269) Trower Road Town of Nightcliff – Material Alteration of Liquor Licence – Casuarina All Sports Club Inc PA2012/0608.
 4. Substitution Of Licensed Premises Application- Go Sushi Train From Shop 5/28 Mitchell Street To Shop 4/28 Mitchell Street – Lot 4661 (28) Mitchell Street, Darwin.
- One (1) Alfresco Dining application was received as follows:
 1. Lot 5795 Shop 14, 34 Parap Road Town of Darwin – Alfresco Dining Application – Saffron Restaurant (**pending Council meeting 16 October 2012**)



CONSULTATION PROCESS

In preparing this report the following parties were consulted:

- City of Darwin, Strategic Town Planner
- City of Darwin, Team Leader Design
- City of Darwin, Team Leader Capital Works

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 REPORT NUMBER: 12TS0172 DL:lm
 SUBJECT: INFRASTRUCTURE – DESIGN, PLANNING & PROJECTS – OCTOBER
 2012 QUARTERLY REPORT

POLICY IMPLICATIONS

All works and activities are undertaken in accordance with the City of Darwin's policies.

BUDGET AND RESOURCE IMPLICATIONS

All of the activities are undertaken in accordance with the City of Darwin's 2012/13 Capital Works and/or Operational budgets.

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

Consideration of risk, legal and legislative requirements forms part of all considerations of works and activities undertaken by the section.

ENVIRONMENTAL IMPLICATIONS

Environmental consideration from part of all activities and assessments.

COUNCIL OFFICER CONFLICT OF INTEREST DECLARATION

We the Author and Approving Officers declare that we do not have a Conflict of Interest in relation to this matter.

DROSSO LELEKIS
MANAGER DESIGN, PLANNING
& PROJECTS

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

For enquiries, please contact Drosso Lelekis on 8930 0414 or email:
 d.lelekis@darwin.nt.gov.au.

**ENVIRONMENT & INFRASTRUCTURE
MEETING/OPEN**
AGENDA ITEM: 9.6
INFRASTRUCTURE MAINTENANCE – SEPTEMBER 2012 QUARTERLY REPORT
REPORT No.: 12TS00162KS:nf
COMMON No.: 1887505
DATE:12/10/2012
Presenter: Manager Infrastructure Maintenance, Kerry Smith
Approved: General Manager – Infrastructure, Luccio Cercarelli
PURPOSE

The purpose of this report is to provide an update on the activities of the Infrastructure Department – Infrastructure Maintenance Section for the July to September 2012 quarter.

LINK TO STRATEGIC PLAN

The issues addressed in this Report are in accordance with the following Goals/Strategies of the Darwin City Council 2008 – 2012 as outlined in the 'Evolving Darwin Strategic Directions: Towards 2020 and Beyond':-

Goal

2 Enhance Darwin's Active, Positive and Flexible Lifestyle

Outcome

2.1 Improve urban enhancement around Darwin

Key Strategies

2.1.1 Manage and maintain the municipal landscaping and infrastructure to a standard that meets community needs

KEY ISSUES

- Infrastructure Maintenance completes routine, programmed and reactive maintenance tasks to ensure Council's Parks and Reserves, Road and Path Network, Stormwater Drainage Network and Buildings are provided in a safe clean and serviceable condition to meet the expectations of the Darwin community.

RECOMMENDATIONS

THAT it be a recommendation to Council:-

That Report Number 12TS0162KS:nf entitled Infrastructure Maintenance – September 2012 Quarterly Report, be received and noted.

PAGE: 2
 REPORT NUMBER: 12TS0162KS:nf
 SUBJECT: INFRASTRUCTURE MAINTENANCE – SEPTEMBER 2012 QUARTERLY REPORT

BACKGROUND

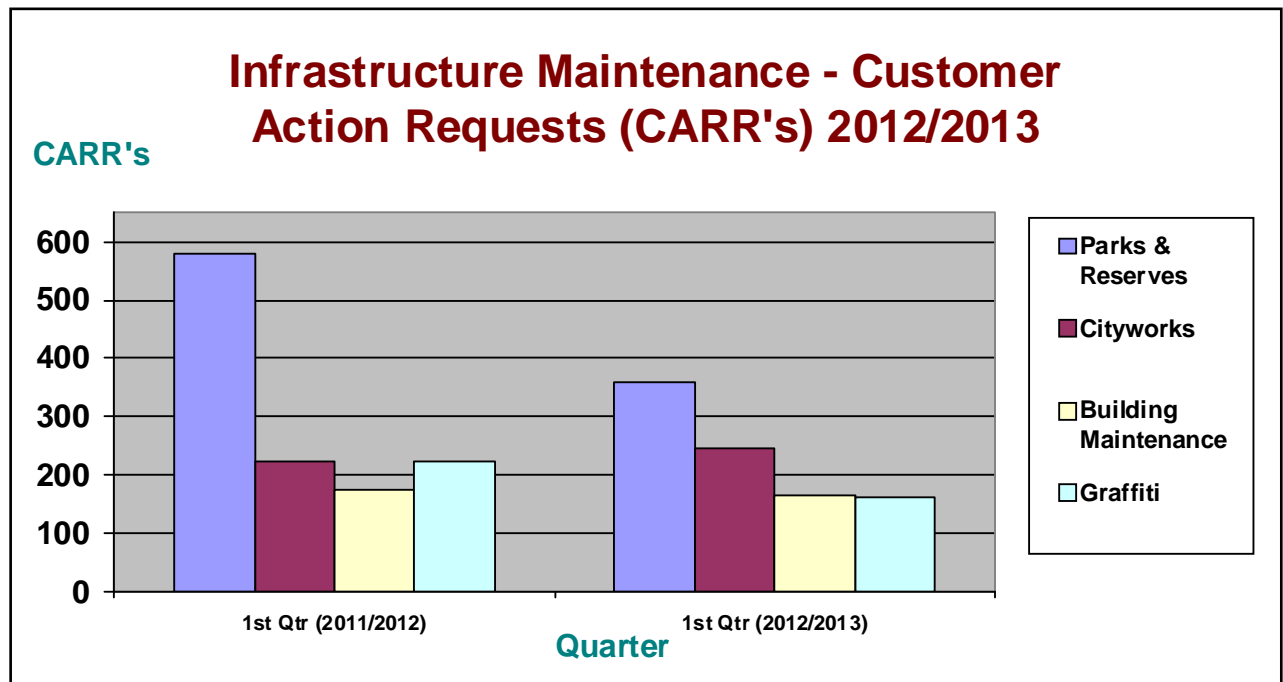
Quarterly reports provide a snapshot of the activities for the Infrastructure Maintenance Section of the Infrastructure Department and are provided to inform Council of activities undertaken.

DISCUSSION

The following information provides a broad snapshot of activities and tasks undertaken through Council's Infrastructure Maintenance Section and provides some understanding of the variety and capacity of work completed within the section.

Infrastructure Maintenance completes routine, programmed and reactive maintenance tasks to ensure Council's Parks and Reserves, Road and Path Network, Stormwater Drainage Network and Buildings are provided in a safe clean and serviceable condition to meet the expectations of the Darwin community.

In addition to maintenance programs, capital works are completed with in-house staff and contractors.



PAGE: 3
 REPORT NUMBER: 12TS0162KS:nf
 SUBJECT: INFRASTRUCTURE MAINTENANCE – SEPTEMBER 2012 QUARTERLY REPORT

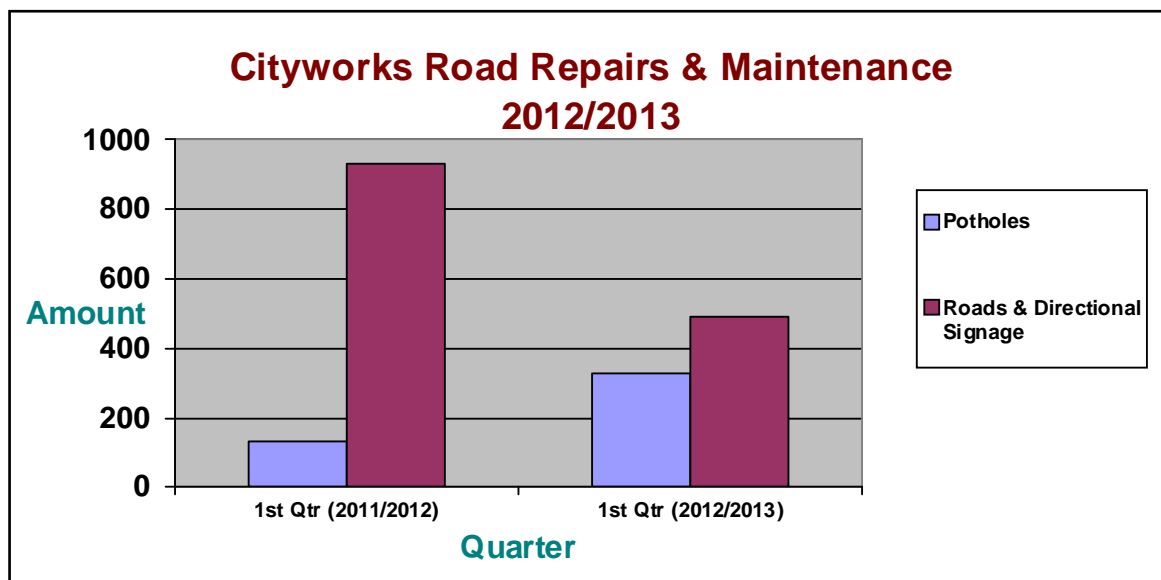
A brief summary of works completed in the September 2012 quarter is as follows.

CITY WORKS

Cityworks actioned approximately 245 Customer Action Requests in addition to programmed and proactive maintenance tasks.

Repairs and Maintenance

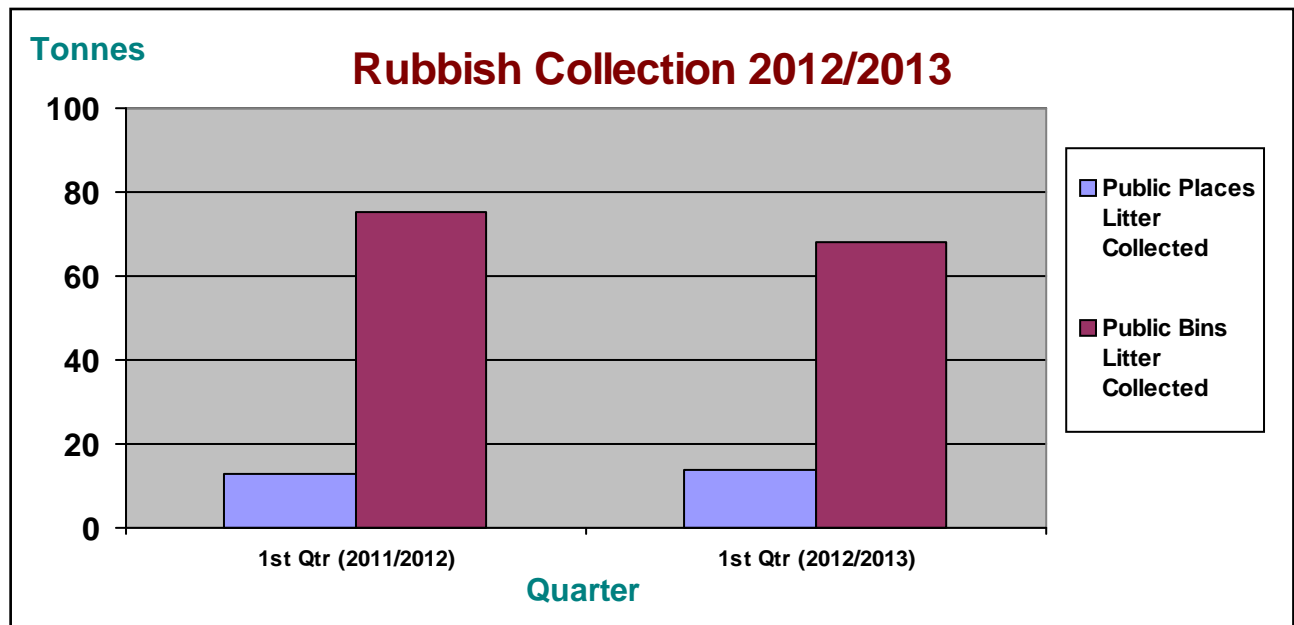
- Footpath repairs completed - approximately 121 lineal metres bitumen path
 - approximately 650 lineal metres concrete path
 - approximately 100m² paving repairs
- Potholes repaired - approximately 325
- Storm Water Drains cleaned – 8.5 kilometres
- Road and directional signage – 490 signs repaired or replaced.



Foot patrols through the CBD and foreshore areas to pick up litter in public places, resulted in approximately 13.9 tonnes of litter being collected and removed.

Rubbish Collection

2,482 public litter bin collections occurred in the quarter resulting in 68.24 tonnes of rubbish being removed.



Capital Works Programs Undertaken For The Quarter

- Road reseals – 3,567 square metres
- Side entry pits – 289 cleaned
- Side entry pits installation and repairs – 53 units installed
- Footpath construction and reconstruction – 3.5 kilometres
- High-pressure cleaning walkways and pathways – 10,500 square metres

Major Works Programmed Within The Next Quarter

- Approximately 100 tonnes of concrete waste to be crushed and recycled
- Major reconstruction works at Kurrajong Crescent Nightcliff
- Line marking program to be completed
- Shoulder maintenance program
- Gross pollutant traps reinstated and maintained for the wet season

PARKS AND RESERVES

Parks and Reserves Section actively maintains approximately 574 hectares of open space. The section actioned 361 Customer Action Requests in addition to proactive maintenance tasks. These requests covered irrigation repairs, vandalism repairs, grass cutting and verge maintenance, tree pruning/removals stump grinding, fence repairs, litter collection and playground maintenance.

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 REPORT NUMBER: 12TS0162KS:nf
 SUBJECT: INFRASTRUCTURE MAINTENANCE – SEPTEMBER 2012 QUARTERLY REPORT

The Parks and Reserves are divided into precinct areas for the purposes of maintenance as follows:

- The CBD precinct maintains 132 hectares in 202 separate areas of public open space including, ovals, road reserve, roundabouts, shopping centre garden beds and street gardens throughout the suburbs of Darwin CBD, Larrakeyah, Bayview, Stuart Park, The Gardens, Parap, Woolner, Fannie Bay and Winnellie.
- The Central Precinct team maintains 117 hectares in 152 separate areas throughout Nightcliff, Coconut Grove, Rapid Creek, Jingili, Moil, Wagaman, Alawa, Nakara, Wanguri and Tiwi.
- The Northern Precinct team maintains 222 hectares in 85 separate areas throughout Anula, Wulagi, Leanyer, Malak, Karama and Berrimah.
- The Urban Bush land team is responsible for weed control/herbicide application, litter control, planting programs, re-vegetation and walking trail maintenance to approximately 103 hectares of natural and remnant bush.
- The turf and irrigation team maintains all irrigation systems at approximately 400 sites and 17 active sports reserves within the Municipality.

Some highlights for the quarter include:

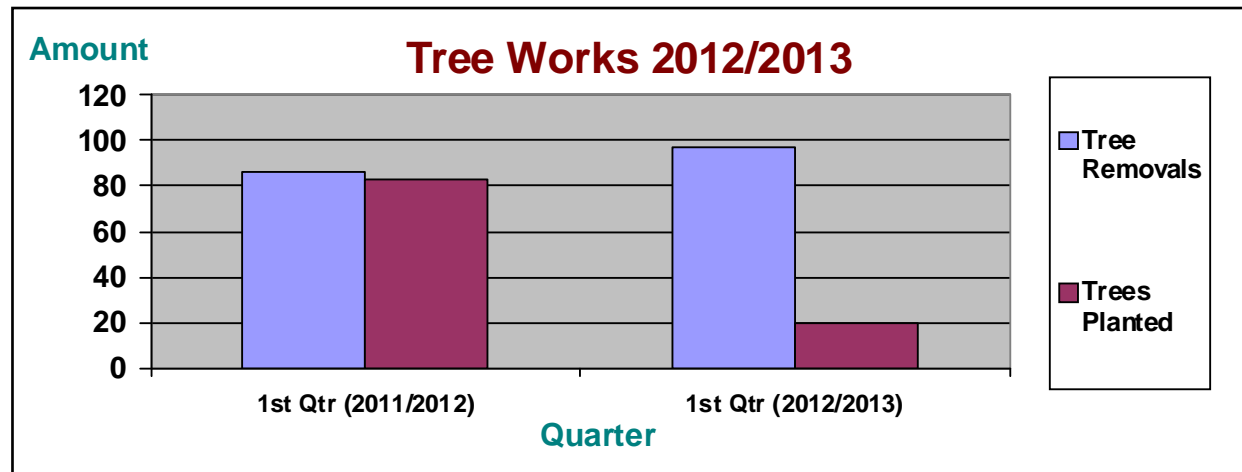
- Irrigation infrastructure upgrades to Nakara oval, Curlew Park, Butters Park, Linde Park and Tasman Park.
- Installation and commissioning of new play equipment Haritos Park, Wanguri
- Preparation and restoration of various parks for dry season events such as Festival of Darwin, Greek Glenti, Million Paws Walk & Mindil markets
- Replacement of old and damaged tables along East Point foreshore
- Advanced tree stock from City of Darwin nursery planted to replace lost Raintree at Parap Shopping Centre
- Growing medium enrichment works to improve soil quality at (listed) significant tree Milkwood (*Alstonia actinophylla*) in Cavanagh Street Carpark
- Visitor surveys undertaken for Yardstick Parkcheck Program. This program measures park visitors satisfaction levels and benchmarks them against other jurisdictions. The outcomes of the survey will be the subject of a future report.

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 REPORT NUMBER: 12TS0162KS:nf
 SUBJECT: INFRASTRUCTURE MAINTENANCE – SEPTEMBER 2012 QUARTERLY REPORT

URBAN FOREST MANAGEMENT

In the Quarter:

- 20 trees were planted in irrigated areas
- 97 trees removed



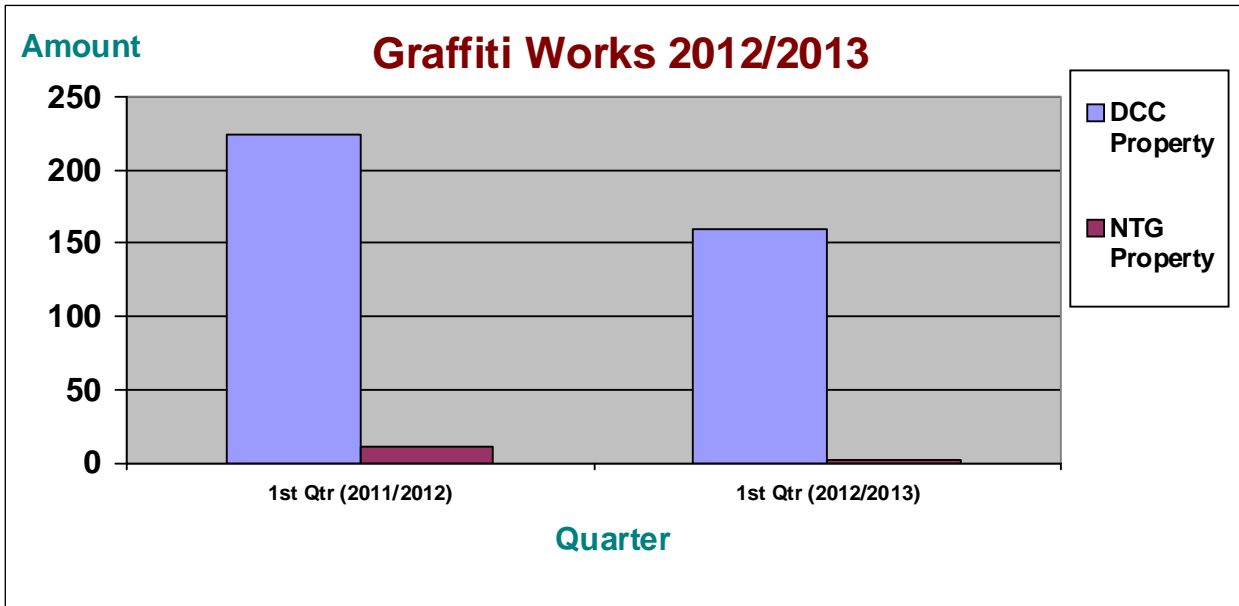
Major Works Programmed Within The Next Quarter

- Street Tree planting program to commence in November
- Approximately 1,500 trees to be planted at East Point reserve as part of the revegetation program
- Darwin General Cemetery Memorial Wall installation project due for completion
- Upgrade soft fall to playgrounds as part of Capital Works Program to continue
- Install 75 metres of coastal fencing at Nightcliff Foreshore to replace aged and damaged existing fencing

BUILDING SERVICES

Building services responded to 167 Customer Action Requests over the quarter in addition to proactive maintenance tasks.

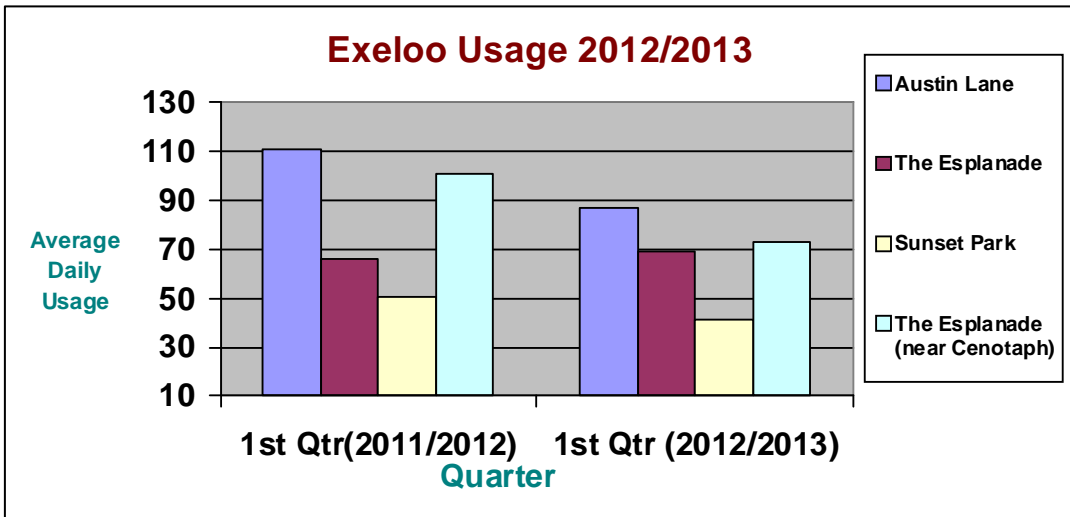
Council Graffiti team responded to 162 Customer Action Requests internal and external, relating to City of Darwin and Northern Territory Government controlled assets, over the quarter.



Exeloo Public Toilet Usage

Council operates six public Exeloo toilets and four of these are automated to collect statistics on daily usage rates. Usage rates for the quarter were;

- Austin Lane Exeloo – 87 uses per day average over the past quarter
- Esplanade Exeloo – 69 uses per day average over the past quarter
- Sunset Park Exeloo – 41 uses per day average over the past quarter
- Esplanade Exeloo (near Cenotaph) – 73 uses per day average over the past quarter



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 REPORT NUMBER: 12TS0162KS:nf
 SUBJECT: INFRASTRUCTURE MAINTENANCE – SEPTEMBER 2012 QUARTERLY REPORT

Some highlights for the quarter include:

- Darwin Entertainment Centre - New digital sign boards
- Civic Centre, City of Darwin - Branding signage to external elevations
- Civic Centre - Function Room major rectification work to prevent water ingress
- Malak Child Care Centre – Children's bathroom refurbishment
- Casuarina Library, City of Darwin - External painting
- Operations Centre – LED lighting to heavy vehicle car park

Major Works Programmed Within The Next Quarter

- Civic Centre, New Standby Generator Installation to provide power to Council's IT Services
- Darwin General Cemetery re-numbering to continue.
- City Library - Refurbishment including new carpet, shelving, furniture and painting
- West Lane Car Park - Major upgrade to water supply for fire hydrant booster
- Casuarina Library - Public Toilet Upgrade

CONSULTATION PROCESS

The following parties were consulted in preparation of this report::

- City of Darwin's - Team Coordinator Parks & Reserves
- City of Darwin's - Team Coordinator City Works
- City of Darwin's – Building Services Officer

POLICY IMPLICATIONS

All works undertaken by the section are in accordance with Council policies.

BUDGET AND RESOURCE IMPLICATIONS

Infrastructure Maintenance operates within the current operational and capital works budgets.

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

Works undertaken through Infrastructure Maintenance are in accordance with legislative requirements and to mitigate Councils risk wherever possible.

ENVIRONMENTAL IMPLICATIONS

Environmental consideration forms part of the quadruple bottom line reporting which guides service levels, procedures and work activities.

PAGE: 9
REPORT NUMBER: 12TS0162KS:nf
SUBJECT: INFRASTRUCTURE MAINTENANCE – SEPTEMBER 2012 QUARTERLY
REPORT

COUNCIL OFFICER CONFLICT OF INTEREST DECLARATION

We the Author and Approving Officers declare that we do not have a Conflict of Interest in relation to this matter.

KERRY SMITH
MANAGER INFRASTRUCTURE
MAINTENANCE

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

Any queries on this report may be directed to Kerry Smith on 08 8980 3654 or
k.smith@darwin.nt.gov.au

**ENVIRONMENT & INFRASTRUCTURE
COMMITTEE/OPEN**
AGENDA ITEM: 9.7
**INFRASTRUCTURE CAPITAL WORKS PROGRAM - QUARTERLY UPDATE -
SEPTEMBER 2012**
REPORT No.: 12TS0165SMcD:kb
COMMON No.: 1541601
DATE: 23/10/2012
Presenter: Business Support Officer, Sheila McDowall
Approved: General Manager Infrastructure, Luccio Cercarelli
PURPOSE

This report provides an update on the status of the Infrastructure Department, Capital Works Projects within the 2012/2013 Council Budget, as of 30 September 2012.

LINK TO STRATEGIC PLAN

The issues addressed in this Report are in accordance with the following Goals/Strategies of the Darwin City Council 2008 – 2012 as outlined in the 'Evolving Darwin Strategic Directions: Towards 2020 and Beyond':-

Goal

7 Demonstrate Effective, Open and Responsible Governance

Outcome

7.1 Effective governance

Key Strategies

7.1.3 Manage Council's affairs based on a sustainable financial strategy

KEY ISSUES

- Infrastructure Department Managers \$17.5million of the Council approved 2012/2013 Capital Works Program.
- As of 30 September the Infrastructure Department has commenced and committed projects to the value of \$5,158,464 which represents 29.46% of its allocated Capital Works budget.
- The recorded percentage of committed or spent funds are considered lower than actuals due to timing issues relating to contracts and invoicing. This includes areas within large significant projects such as Shoal Bay Waste Cell and Cavenagh Street Reconstruction.

PAGE: 2
 REPORT NUMBER: 12TS015665SMcD:kb
 SUBJECT: INFRASTRUCTURE CAPITAL WORKS - QUARTERLY UPDATE - SEPTEMBER 2012

RECOMMENDATIONS

THAT it be a recommendation to Council:-

THAT Report Number 12TS0165SMcD:kb entitled Infrastructure Capital Works Program - Quarterly Update - September 2012, be received and noted.

BACKGROUND

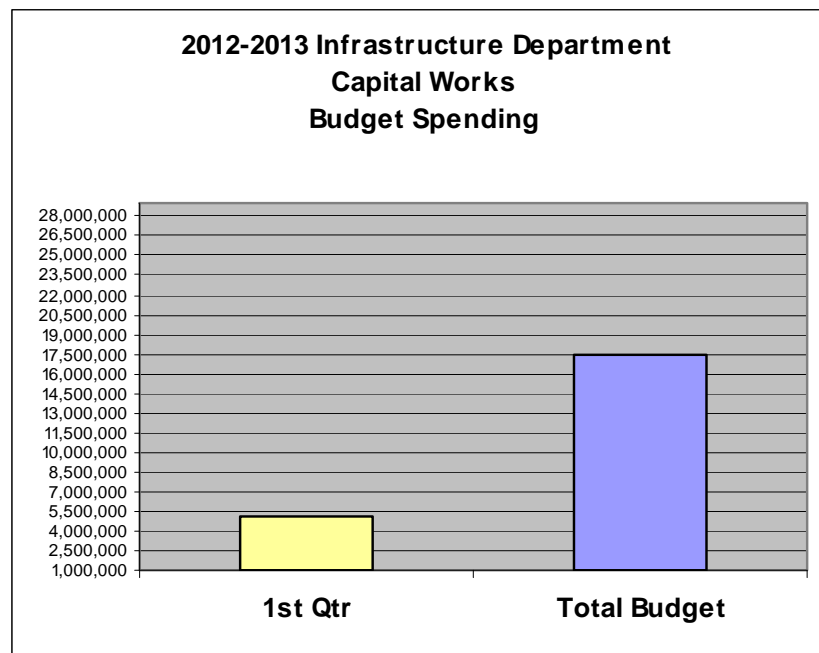
Of the \$27.2million approved Capital Works Program the Infrastructure Department is responsible for the delivery of \$17.5million.

This report provides an update on Capital works expenditure within the Infrastructure Department.

DISCUSSION

As of 30 September 2012, the Infrastructure Department has committed or completed projects to the value of \$ 5,158,464 which represents 29.46% of the total Infrastructure Department allocated capital works.

The capital works program expenditure is considered to be tracking well as of the 1st quarter.



The following is a brief status of some significant value projects, many of which are the subject of separate update reports to Council, that have influenced the Capital Works Program committals due to timing issues. These projects represent \$9.8million of the allocated \$17.5million.

PAGE: 3
 REPORT NUMBER: 12TS015665SMcD:kb
 SUBJECT: INFRASTRUCTURE CATIPAL WORKS - QUARTERLY UPDATE - SEPTEMBER 2012

- **Shoal Bay Waste Disposal Site: \$4.8M**

This project is the Council approved waste cell extension. Works commenced late July and are approximately 70% complete. The expected completion date is late November 2012.

- **Roads to Recovery: \$3million**

Actual expenditures against this project for the quarter have been effected by the timing of project milestones.

Works commenced on the 16 August 2012 and are expected to be completed in December 2012. Works are currently progressing on the inbound lanes of Cavenagh Street.

- **CBD Multi Storey Car parking: \$2.5 M**

On hold pending the outcome of Council's CBD Carparking Strategy. It is anticipated that community consultation on the review will be undertaken before December.

It is likely a decision of the status of this project will be made in early 2013.

- **Road Resurfacing and Reconstruction: \$1.5 M**

At the time of writing this report 70% of road reseals had been completed with the balance to occur in the second quarter. The reseal program represents approximately \$600,000 of the total program value.

Given the up and coming wet season the balance of works will be completed in the fourth quarter following the wet season. It is not considered desirable to undertake these works in the wet season.

- **Nightcliff Infrastructure: \$1M**

The six (6) projects endorsed by Government and Council are:

- Dog parking stations; **(Completed)**
- Additional play equipment, fencing and shade equipment in Sunset Park; **(In Progress)**
- Five (5) seats along the foreshore area of Progress Drive adjacent to the shared pathway; **(Completed)**
- Upgrade and shading of play equipment opposite the Beachfront Hotel; **(Completed)**
- Multi-use platform formerly dance floor; **(on hold pending direction from the Northern Territory Government)**

PAGE: 4
 REPORT NUMBER: 12TS015665SMcD:kb
 SUBJECT: INFRASTRUCTURE CATIPAL WORKS - QUARTERLY UPDATE -
 SEPTEMBER 2012

- Refurbishment of Tennis Courts within Bill Bell Park on the corner of Aralia and Jacaranda Streets; **(In Progress)**

CONSULTATION PROCESS

In preparing this Report the following parties were consulted:

- Manager Design, Planning & Projects
- Manager Infrastructure Maintenance
- Manager Assets
- Team Coordinator Development & Waste Management

POLICY IMPLICATIONS

All works and activities are undertaken in accordance with the City of Darwin's policies.

BUDGET AND RESOURCE IMPLICATIONS

All of the activities are undertaken in accordance with the City of Darwin's 2012/13 Capital Works and/or Operational budgets.

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

Consideration of risk, legal and legislative requirements forms part of all considerations of works and activities undertaken by the setion.

ENVIRONMENTAL IMPLICATIONS

Environmental consideration from part of all activities and assessments.

COUNCIL OFFICER CONFLICT OF INTEREST DECLARATION

We the Author and Approving Officers declare that we do not have a Conflict of Interest in relation to this matter.

SHEILA MCDOWALL
BUSINESS SUPPORT OFFICER

LUCCIO CERCARELLI
GENERAL MANAGER –
INFRASTRUCTURE

For enquiries, please contact Luccio Cercarelli on 89300581 or email:
 l.cercarelli@darwin.nt.gov.au.

**ENVIRONMENT & INFRASTRUCTURE
COMMITTEE/OPEN**
AGENDA ITEM: 9.8
CITY OF DARWIN'S 2012 – PRE-CYCLONE CLEAN UP OUTCOME
REPORT No.: 12TS0148JW:MN
COMMON No.: 956492
DATE: 23/10/2012

Presenter: Acting Team Coordinator Development & Waste Management,
Meredith Newall

Approved: General Manager Infrastructure, Luccio Cercarelli

PURPOSE

The purpose of this report is to provide a summary of the City of Darwin's 2012 – Pre-Cyclone Clean Up.

LINK TO STRATEGIC PLAN

The issues addressed in this Report are in accordance with the following Goals/Strategies of the Darwin City Council 2008 – 2012 as outlined in the 'Evolving Darwin Strategic Directions: Towards 2020 and Beyond':-

Goal

5 Facilitate and Maintain a Cohesive Community

Outcome

5.3 Support harmony within the community

Key Strategies

5.3.2 Develop and support programs to promote community spirit, cohesion and safety

KEY ISSUES

- The City of Darwin undertook its annual Pre-Cycle Clean Up Program on the weekends of 8 and 9 September and 22 and 23 September
- More than 470 tonnes were collected.
- More than 160 tonnes or 34% of all waste collected was diverted from landfill
- More than 180 staff, contractors and volunteers participated on each weekend

PAGE: 2
 REPORT NUMBER: 12TS0148JW:MN
 SUBJECT: CITY OF DARWIN'S 2012 – PRE-CYCLONE CLEAN UP OUTCOME 2012

RECOMMENDATIONS

THAT it be a recommendation to Council:-

- A. THAT Report Number 12TS0148JW:MN entitled City of Darwin's 2012 – Pre-cyclone Clean Up Outcome, be received and noted.
- B. THAT Council acknowledges and formally thanks the Department of Correctional Services and the Northern Territory Emergency Services for their assistance in the City of Darwin's 2012 – Pre-Cyclone Clean Up Program.

BACKGROUND

Council has again provided its kerbside Pre-Cyclone Clean Up for Darwin residents in September 2012. The event consists of collecting household and yard items that could potentially be a hazard in a cyclone from verges throughout the municipality. People with disabilities and senior citizens are able to contact Council for assistance to remove larger items. The Pre-Cyclone Clean Up is carried out with the help of numerous Council staff, contractors and volunteers from Correctional Services and the Northern Territory Emergency Services.

DISCUSSION

To assist with managing the clean up program the Darwin municipality is split into the northern and southern regions. The northern clean up was conducted on the weekend of 8 and 9 September and continued through to 13 September 2012. The southern clean up was conducted on the weekend of 22 and 23 September and continued through to 28 September 2012. Total quantity of materials collected exceeded those of the past four years.

The northern suburbs consisted of:

Alawa	Anula	Brinkin	Jingili
Karama	Leanyer	Lyons	Malak
Marrara	Moil	Nakara	Tiwi
Wagaman	Wanguri	Wulagi	

The southern suburbs included:

Bayview	Coconut Grove	Darwin City	Fannie Bay
Larrakeyah	Ludmilla	Millner	Nightcliff
Parap	Rapid Creek	Stuart Park	The Gardens
The Narrows	Woolner		

PAGE: 3
 REPORT NUMBER: 12TS0148JW:MN
 SUBJECT: CITY OF DARWIN'S 2012 – PRE-CYCLONE CLEAN UP OUTCOME 2012

Resources employed to deliver the service over the two (2) weekends included the following averages per weekend:

- 90 Council staff
- 50 Corrections Services inmates and eight (8) Correctional Officers
- 35 contractor staff
- Six (6) Northern Territory Emergency Services Volunteers

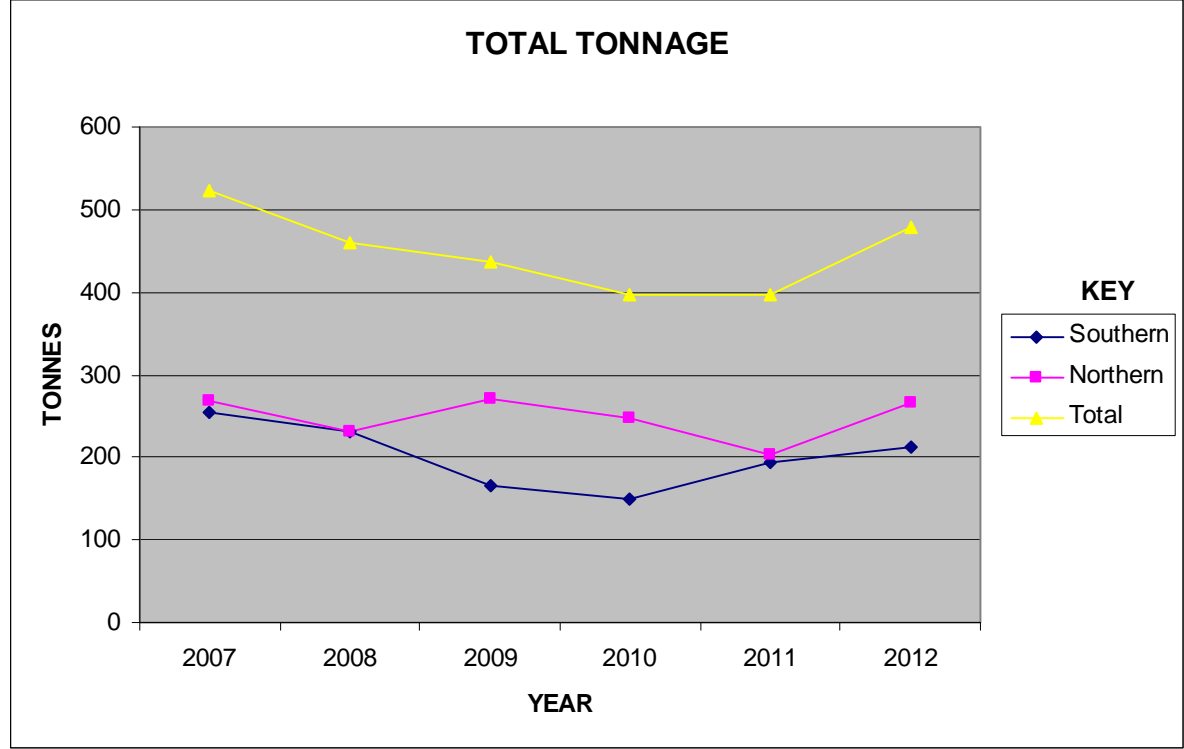
Assisted Pickups

Council provides a dedicated collection service for senior citizens and persons with disabilities who are not able to take items to the kerbside for collection. They were encouraged to contact Council to make special arrangements for Council to attend their homes and remove items directly from inside their properties. These items are collected on the weekend of the relevant clean up. A total of 30 requests were received and actioned compared to 46 in the previous year. This consisted of 12 in the northern suburbs and 18 in the southern suburbs.

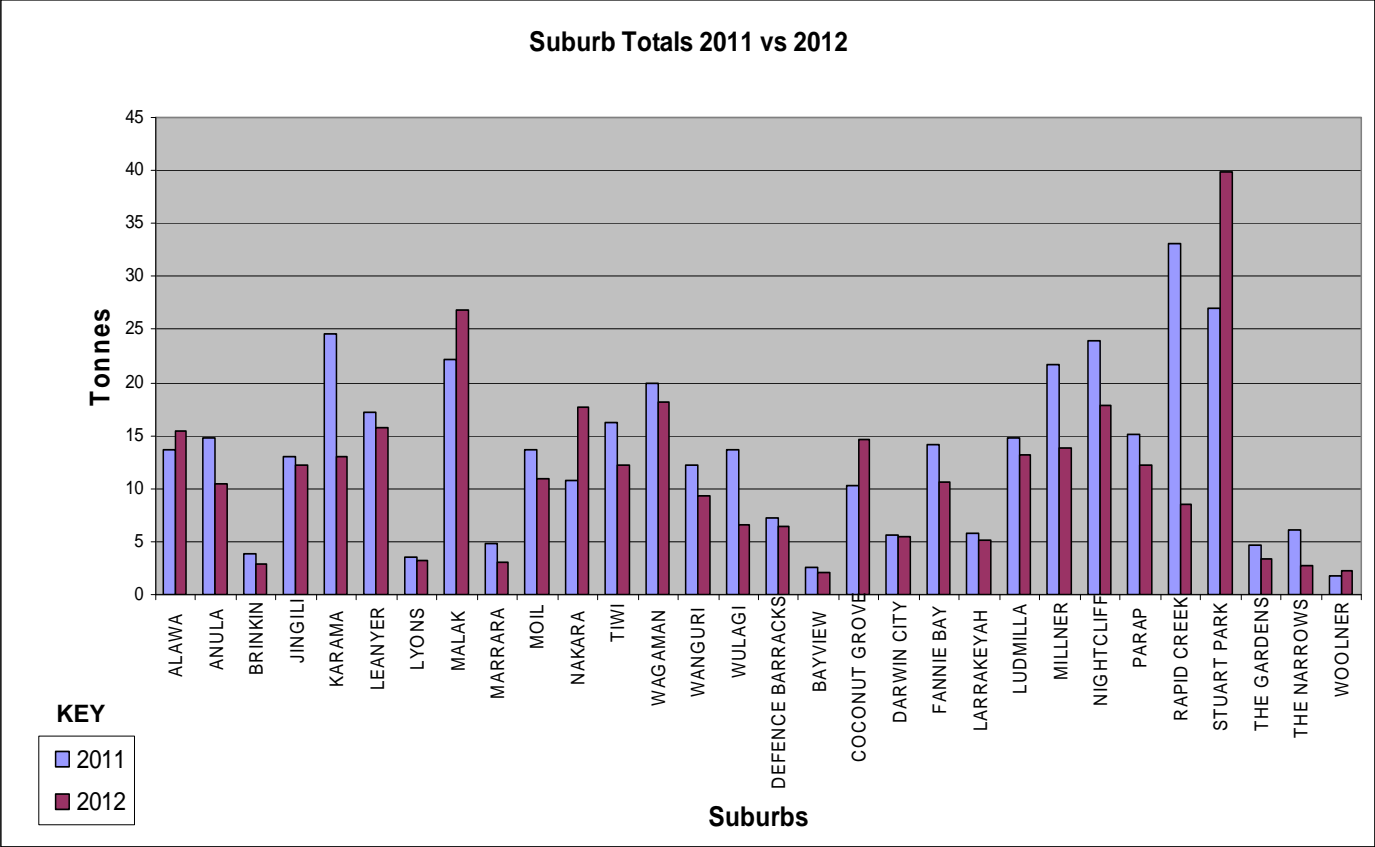
Collected Material

- A total of 478.22 tonnes was collected throughout the city
- The northern suburbs total collected was 266.02 tonnes (64 tonnes more than the previous year)
- The southern suburbs total collected was 212.2 tonnes (17 tonnes more than the previous year)
- A total of 132.4 tonnes of scrap metal was diverted from the landfill and taken to CMA Recycling
- northern Territory Recycling Services (NTRS) diverted a further 32.27 tonnes from landfill
- Total material diverted from landfill this year was 164.67 tonnes representing 34.43% of material collected, increase of more than 12% compared to the previous year
- Highest suburb was Stuart Park with 39.85 tonnes
- Lowest suburb was Bayview with 2.06 tonnes
- Average tonnage per residence was 0.017 tonnes
- Highest suburb for tonnes per residence was Ludmilla at 0.075 tonnes
- Lowest suburb for tonnes per residence was Darwin City at 0.003 tonnes

The following graph provides a comparison of total tonnages collected over the last six (6) years of Council's Pre-Cyclone Cleanup Program.



The graph below shows the comparison between suburbs between the 2011 and 2012 Cleanup Programs.



PAGE: 5
 REPORT NUMBER: 12TS0148JW:MN
 SUBJECT: CITY OF DARWIN'S 2012 – PRE-CYCLONE CLEAN UP OUTCOME 2012

Recycling

The collection vehicles are now being separated in the clean up to allow for diversion of material from landfill. One vehicle collects scrap metal, a second vehicle is used to collect inert material to go to Stage 2 at Shoal Bay and the rest is left for a third vehicle to take to the lined landfill cell at Shoal Bay.

Scrap metal, including white goods, were collected at kerbside by dedicated vehicles and transported directly to CMA Recycling in Berrimah. A total of 132.4 tonnes of scrap metal was taken to CMA.

NTRS diverted 32.27 tonnes from landfill.

All paints and batteries are separated and taken to a dedicated location at Shoal Bay. These items are later removed and processed as required.

A total of 164.67 tonnes or 34.43% of material collected was diverted from landfill.

Waterfront

This year Council was approached by the Waterfront Corporation for assistance in delivery of a Pre-Cyclone Clean Up service to residents of the Waterfront.

Council undertook the delivery of the service to the Waterfront on a contract service basis. All notifications of residents was the responsibility of the Waterfront Corporation.

The service occurred on 15 and 16 September 2012. Just over 1 tonne was collected.

Summary

The 2012 Pre-Cyclone Clean Up collected a total of 478.22 tonnes – almost 80 tonnes more than last year. Contractors, staff, volunteers and Correctional Services all contributed to the success of both clean ups. The recycling rates have improved and is due to greater diligence on those participating in the event and continuous improvement on the way product is collected. Using dedicated vehicles for different waste types has improved the diversion of waste from landfill but added several days and cost to the process. Last year the clean up was finished by the Monday afternoon on both weekends. This year the clean up finished on the Friday after the weekend of collection.

The staff coordinating the program believe the 2012 Pre-Cyclone Clean Up was a huge success and is a service which is greatly utilised and appreciated by the Darwin community.

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 REPORT NUMBER: 12TS0148JW:MN
 SUBJECT: CITY OF DARWIN'S 2012 – PRE-CYCLONE CLEAN UP OUTCOME 2012

CONSULTATION PROCESS

In preparing this Report the following parties were consulted:

- City of Darwin, Senior Technical Officer – Parks

POLICY IMPLICATIONS

Nil.

BUDGET AND RESOURCE IMPLICATIONS

The pre-cyclone season clean up is funded from the waste management budget with \$167,684 in costs to date for this year.

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

Council's Pre-Cyclone Clean Up Program assists residents in removing unwanted items from residential properties that may become a risk in high winds or cyclones.

Treatment of materials is undertaken in accordance with legislative requirements.

ENVIRONMENTAL IMPLICATIONS

Paints, car batteries and gas bottles were separated and taken to dedicated areas at Shoal Bay for further processing.

A total of 164.67 tonnes or 34.43% of collected material was diverted from landfill. This represents a 12% increase to the previous year.

COUNCIL OFFICER CONFLICT OF INTEREST DECLARATION

We the Author and Approving Officers declare that we do not have a Conflict of Interest in relation to this matter.

MEREDITH NEWALL
ACTING TEAM COORDINATOR
DEVELOPMENT & WASTE
MANAGEMENT

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

For enquiries, please contact Luccio Cercarelli on 89300581 or email:
 l.cercarelli@darwin.nt.gov.au.

**ENVIRONMENT & INFRASTRUCTURE
COMMITTEE/OPEN**
AGENDA ITEM: 9.9
**CAVENAGH STREET UPGRADE SEARCY STREET TO DALY STREET
PROJECT - OCTOBER 2012 PROGRESS REPORT**
REPORT No.: 12TS0171 DL:lm COMMON No.: 223527 DATE: 23/10/2012
Presenter: Manager Design, Planning & Projects, Drosso Lelekis
Approved: General Manager Infrastructure, Luccio Cercarelli
PURPOSE

The purpose of this report is to provide an update on the progress of the Cavenagh Street upgrade Searcy Street to Daly Street project for the month of October 2012.

LINK TO STRATEGIC PLAN

The issues addressed in this Report are in accordance with the following Goals/Strategies of the Darwin City Council 2008 – 2012 as outlined in the 'Evolving Darwin Strategic Directions: Towards 2020 and Beyond':-

Goal

3 Assist Individuals and the Community Stay Connected with the Darwin Region

Outcome

3.2 Enhance transport systems

Key Strategies

3.2.2 Continue to manage and maintain the municipal road network and infrastructure to a standard that meets the needs of the community

KEY ISSUES

- Works commenced on the 16 August 2012 and are expected to be completed in December 2012;
- Works have been awarded to East Arm Civil Pty Ltd at a cost of \$3,019,787. (including GST);
- The Cavenagh Street reconstruction works will be funded by the Federal Government's Roads To Recovery Program and the landscaping works will be funded through the City of Darwin's Capital Works program;
- An extensive community engagement plan has been implemented for the project;
- Measures are being put in place to provide alternative property access where possible, for affected businesses/occupants and temporary re-routing of public buses and taxi parking along Smith Street has been implemented;

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 REPORT NUMBER: 12TS0171 DL:lm
 SUBJECT: CAVENAGH STREET UPGRADE SEARCY STREET TO DALY STREET
 PROJECT - OCTOBER 2012 PROGRESS REPORT

RECOMMENDATIONS

THAT it be a recommendation to Council:-

THAT Report Number 12TS0171 DL:lm entitled Cavenagh Street Upgrade Searcy Street to Daly Street Project - October 2012 Progress Report, be received and noted.

BACKGROUND

The City of Darwin was successful in securing Australian Government funding under the Department of Infrastructure, Transport, Regional Development and Local Government Roads to *Recovery Program – 2009 – 2014, (R2R)*.

The Cavenagh Street upgrade project was approved by Council as the key project for this expenditure.

Under the Australian Government funding agreement this project is to be completed by the 31 December 2012.

At Council's 2nd Ordinary Meeting on 31 May 2011 the following was resolved:

Cavenagh Street Renewal Project

Report No. 11TS0081LC:KB (24/05/11) Common No. 223527

C. THAT Council reconstruct and resurface Cavenagh Street from Daly Street to Searcy Street and that this be submitted as its replacement project for Roads to Recovery funding;

DECISION NO.20\4016 (31/05/11)

Carried

This report provides an update on progress for the Cavenagh Street upgrade project for the month of August 2012.

DISCUSSION

Cavenagh Street is being reconstructed as it has reached the end of its useful life and shown signs of failure.

The scope of work includes the following:

- Pavement refurbishment/reconstruction including re-design of the existing road surface for improved drainage;
- Landscaping of 3 Cavenagh Street median islands at the Daly Street end;
- Widening of the Cavenagh Street median island from Daly Street to Searcy Street by 300 mm to provide increased space for landscaping;
- Replacement of 2 median islands along Gardens Road with new landscaping; and

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 SUBJECT: CAVENAGH STREET UPGRADE SEARCY STREET TO DALY STREET
 PROJECT - OCTOBER 2012 PROGRESS REPORT

- Replacement of a damaged section of stormwater drain along Cavenagh Street.

There will be no loss of on-street car parking bays along Cavenagh Street after project completion.

Temporary arrangements have been put in place to transfer bus routes from Cavenagh Street to Smith Street. The temporary bus-stops and the bus route along Smith Street are now operating and these arrangements will remain in place for the duration of the construction works along Cavenagh Street. Additional cleaning effort has been instigated to accommodate the expected increased in litter at the bus stops.

A School Crossing has been installed on Smith Street near Briggs Street to facilitate children crossing from St Mary's school in the afternoons. This crossing is being supervised by traffic personnel during these times.

Progress

Stage 1 of 7 is complete (with temporary primer seal) and the next stage of work, which includes the area from Coleman's Printing to the Mirambeena Travelodge is progressing. This represents a combination of stages 2 and 3 and was implemented in consultation with stakeholders in order to achieve timeline efficiencies.

The scope of the landscaping along Cavenagh Street was increased to include medians 2 and 4 (median 3 does not contain landscaping) as trees within these median islands were in very poor condition.

Unexpected works identified by PowerWater on the water main and two sections of sewer have been completed by Powerwater whilst the road pavement was excavated for the Cavenagh Street works.

The last of the inbound stages along Cavenagh Street (stage 4) is due to commence the week beginning 24 October from the Travelodge Mirambeena access to Searcy Street. In conjunction with stage 4, the Gardens Road median landscape works will be undertaken.

Cavenagh Street inbound lanes from Daly Street to Lindsay Street will be surfaced with a temporary seal and it is anticipated that this section will be re-opened to traffic by 24 October 2012.

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 SUBJECT: CAVENAGH STREET UPGRADE SEARCY STREET TO DALY STREET
 PROJECT - OCTOBER 2012 PROGRESS REPORT

Timeline Variations to Date

Action	Duration
Water main works (PowerWater)	Additional 4 days
Subgrade works	Additional 2 days
Landscaping median 2	Additional 4 days
Landscaping median 4	Additional 3 days
Combining stages 2 and 3	Less 5 days
Net loss in days	8 days
Current project completion date	15 December 2012

Further opportunities to achieve time efficiencies are being negotiated with the Contractor and project stakeholders. This could include combining stages 6 and 7 (last two outbound stages) into one stage and consideration of varying working hours.

CONSULTATION PROCESS

A consultation plan was developed for this project and is being implemented.

The project stakeholders were identified and face to face discussions have and continue to occur with key stakeholders-including the business owners/occupants along both sides of the affected section of Cavenagh Street, the Taxi Council and Public Transport section of the Northern Territory Government.

City of Darwin staff have found that stakeholders along the Searcy to Daly Street section (work zone) at Cavenagh Street are understanding of the need to reconstruct Cavenagh Street, and acknowledge they will be disrupted to various degrees. City of Darwin staff will continue to work with stakeholders throughout this process to minimise disruption.

A media release announcing the commencement of the works was issued on the 15 August 2012.

Updated media releases including information about the combination of stages 2 and 3 have been provided.

Community consultation will continue through to the completion of the project.

POLICY IMPLICATIONS

This project is an essential asset-renewal project and will extend the life of Cavenagh Street in line with Council's asset management strategies.

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BUDGET AND RESOURCE IMPLICATIONS

The Australian Government funding from the Roads To Recovery Program – 2009-2014 for the delivery of this road reconstruction is \$2,862,000 (excluding GST).

Funding to the value of \$400,000 was allocated in the 2012/13 Capital Works Budget for delivery of the landscaping components of this project.

The tender was awarded to East Arm Civil Pty Ltd for the \$3,019,787 (including GST).

Based on the available Australian Government and City of Darwin funding there is sufficient funding within the 2012/2013 budget to undertake the works.

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

Risk mitigation, traffic management and legislative requirements will be managed throughout the project.

ENVIRONMENTAL IMPLICATIONS

Enhancement of existing median island landscaping will provide improved environmental benefit.

COUNCIL OFFICER CONFLICT OF INTEREST DECLARATION

We the Author and Approving Officers declare that we do not have a Conflict of Interest in relation to this matter.

DROSSO LELEKIS
MANAGER DESIGN, PLANNING
& PROJECTS

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

For enquiries, please contact Drosso Lelekis on 8930 0414 or email:
 d.lelekis@darwin.nt.gov.au.

**ENVIRONMENT & INFRASTRUCTURE
COMMITTEE/OPEN**
AGENDA ITEM: 9.10
**NORTHERN TERRITORY GOVERNMENT - NIGHTCLIFF PROJECTS UPDATE -
OCTOBER 2012**
REPORT No.: 12TS0170DL:LM
COMMON No.: 2179914
DATE: 23/10/2012
Presenter: Manager Design, Planning & Projects, Drosso Lelekis
Approved: General Manager Infrastructure, Luccio Cercarelli
PURPOSE

The purpose of this report is to provide Council with an update on the progress the projects along the Nightcliff foreshore, funded by the Northern Territory Government, as of October 2012.

LINK TO STRATEGIC PLAN

The issues addressed in this Report are in accordance with the following Goals/Strategies of the Darwin City Council 2008 – 2012 as outlined in the “Evolving Darwin Strategic Directions: Towards 2020 and Beyond”:-

Goal

1 Achieve Effective Partnerships and Engage in Collaborative Relationships

Outcome

1.1 Improve relations with all levels of Government

Key Strategies

1.1.3 Develop partnerships and joint projects with other levels of government

KEY ISSUES

- The Northern Territory Government has identified six (6) projects along the Nightcliff Foreshore within land managed by the City of Darwin and committed to providing funds (totalling one million dollars) for the delivery of these projects – to be undertaken by the City of Darwin.
- The six (6) projects identified by Government and endorsed by Council are:
 - Dog parking stations; (Completed)
 - Additional play equipment, fencing and shade equipment in Sunset Park; (In Progress)
 - Five (5) seats along the foreshore area of Progress Drive adjacent to the shared pathway; (Completed)
 - Upgrade and shading of play equipment opposite the Beachfront Hotel; (Completed)

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 SUBJECT: NORTHERN TERRITORY GOVERNMENT - NIGHTCLIFF PROJECTS
 UPDATE - OCTOBER 2012

- Multi-use platform formerly dance floor; (on hold –pending further advice from Northern Territory Government)
- Refurbishment of Tennis Courts within Bill Bell Park on the corner of Aralia and Jacaranda Streets; (Nearing Completion)

RECOMMENDATIONS

THAT it be a recommendation to Council:-

THAT Report Number 12TS0170DL:LM entitled Northern Territory Government - Nightcliff Projects Update - October 2012, be received and noted.

BACKGROUND

In the second half of 2011, Council was advised by the Member for Nightcliff, the Honourable Jane Aagaard, that the Northern Territory Government election commitment for a stinger net for Nightcliff was not proceeding and that the Member had sought ideas from the community on how to utilise the money along the Nightcliff foreshore. The commitment was for \$1 million in expenditure.

The projects identified by the Member for Nightcliff, following their consultation, are detailed as follows:

- Sunset Park, Nightcliff
 Extra playground equipment; fencing of the playground; seating x 3; shade structure (UVA); trees to shade in the future.
- Beachfront Playground, Rapid Creek
 Fencing of playground; seating x 3; shade structure (UVA)
- Progress Drive Seating and Shelter
 Seating x 3 along Progress Drive, Nightcliff, including shade structures if trees not available.
- Outdoor Dance Floor, Rapid Creek
 Weather proof dance floor, including permanent power source, lighting and seating in the Seabreeze Festival area at Rapid Creek. It should be noted that during the course of this project this element has been re-termed “multi-use Platform”.

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- Tennis Courts, Aralia Street, Nightcliff

Upgrade the two tennis courts on Aralia Street.

- Exercise Stations – Dog Hooks

Providing dog hooks for each exercise station so that dogs can be tied up while owners use the equipment.

In October 2011, Council resolved to accept the completed works as future Council assets and to provide project management services as its contribution to the project. The installation of a “dance floor”, upgrade of play equipment opposite the Beachfront, Sunset Park upgrade and the tennis courts upgrade were subject to community consultation.

A Project Control Group consisting of Northern Territory Government and City of Darwin Officers, was established to manage the funding, however the projects are being delivered and managed by City of Darwin.

DISCUSSION

Dog Parking Stations

This consists of dog parking facilities located adjacent to exercise stations along the foreshore.

Signage was designed, manufactured and installed with parking hooks at each of the exercise stations along the Nightcliff foreshore.

This element has been completed.

Play Equipment for Sunset Park

This consists of additional play facilities, seating and shade. City of Darwin Officers have scoped and identified additional play facilities to accommodate a range of age groups from 3-12 years of age. Concepts of the equipment have been previously provided to Council. Rubberised softfall will be installed and expanded to the existing equipment (currently sand) as part of these works.

Sections of the new climbing apparatus and existing equipment will be shaded by a shade structure and additional seating and associated other minor infrastructure provided.

Consultation letters to residents explaining the upgrade proposals and seeking feedback were sent out in May 2012. Several responses have been received. Subsequent site discussions were held with some residents and the design explained. Strong feedback was received regarding some elements of the project, including a small shade structure proposed for the exercise equipment and proposed fencing around the play equipment.

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In addition comments were received requesting that the climbing combination ropes be green and not red as per the image to retain resident amenity. This request can and will be accommodated as the equipment can be provided with green ropes at no additional charge.

After considering the remaining feedback and after discussions with the Northern Territory Government, the fence and small shade structure over the exercise equipment have been removed from the project.

The equipment was ordered in July and has a minimum 12 week manufacture time. Installation of the Corocord climbing equipment is due to commence on 25 October 2012 being complete (barring rain delays) on 15 November. After this equipment has been installed, the shade structure over this equipment will be designed, manufactured and installed.

Seating along the foreshore area of Progress Drive

Five (5) bench seating units have been installed along the shared path between Sunset Park and the commencement of the path along Progress Drive. The purpose of the additional seating is to provide rest stops along this section of path and locations are within the shade of existing trees.

Due to some concerns raised about the rake angle of the seats, modifications have been developed amend the angle. Modifications, in the first instance, will occur to one of the benches. Once this has occurred it will be reviewed prior to any modifications to the remaining seats.

These minor adjustments of one of the benches has been completed.

The seats currently conform to design requirements and the modifications proposed are to enhance the seats.

Upgrade of play equipment opposite the Beachfront Hotel

This consists of the painting and servicing of existing equipment at the site and the installation of a new shade structure and bench seating. This element is completed.

Rubberised softfall is proposed to be installed as a replacement for the existing sand fall area around the play equipment. This has been ordered and is expected to be completed within 8 weeks.

Multi-use platform

Originally referred to as the "Outdoor Dance Floor", this project was proposed to include a weather proof dance floor, with seating, lighting and permanent power.

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The concept and proposed location in parkland at the northern end of Aralia Street was sent to identified stakeholders including dance groups, Ausdance and the Seabreeze Festival.

A significant number of responses were received and represented varying and diverse views and desires on the design elements and location.

Following consultation with the Northern Territory Government it was decided to engage the consultants Michels Warren Munday, community engagement specialists, to undertake a detailed consultation and engagement process of all likely stakeholder to progress the project. A plan was developed and was to be funded via the grant.

Furthermore, the terminology describing the project was amended by the Northern Territory Government from "dance floor" to "multi-use platform".

It is hoped that a scope and location for this project would be determined from this consultation to allow broader community consultation and the progression of the project. The project is on hold until pending further advice from the Northern Territory Government as to whether or not this project will proceed.

Upgrade of Tennis Courts in Bill Bell Park on the corner of Aralia and Jacaranda Streets

This consists of refurbishment works for two courts and includes:

- demolition of existing surfaces and fencing;
- reinstatement of playing surface, rebound wall, line marking and root barrier;
- reinstatement of fencing;
- provision of additional stadium seating unit;
- replacement of two umpire chairs;
- installation of one (1) disable parking space and access to courts; and
- improved access paths and other associated infrastructure.

Letters were sent to residents advising of the proposed works and some feedback has been received, which was considered and accommodated within the scope of the project. This included but was not limited to a higher rebound wall of a smooth consistent surface, new compliant nets, repositioning of stadium seats for increased shading and the inclusion of umpire seats to accommodate more than one person, similar to existing chairs.

Comments were also received from Tennis NT requesting the courts be built to comply with competition standards. This was beyond the original scope of replacing "like for like". Furthermore, without relocation of the courts and loss of significant trees there was insufficient room to accommodate this request.

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 UPDATE - OCTOBER 2012

The intent of these courts was to provide for social and community casual use not a competition standard facility.

The project is therefore proceeding within the original scope of refurbishment and replacement.

The rebound surface is green for the court area and red/maroon for the run-off areas.

The rebound wall has been removed and reinstated with increased dimensions to be approximately one metre higher and a total of two metres wider than previous.

Previous dimensions: 2.3 metres high by 3.5 metres wide.
 New dimensions: 3.4 metres high by 5.5 metres wide.

The scope of works is almost completed, with drying off of the final coat of surface cover to be cured by 25 October, after which the courts will be open to users.

CONSULTATION PROCESS

Community consultation is being undertaken, as described within the body of this report.

In preparing this report the following parties were consulted:

Team Leader Capital Works
 Capital Works Coordinator & Supervisor (Civil)

POLICY IMPLICATIONS

These projects have been previously approved by Council.

BUDGET AND RESOURCE IMPLICATIONS

The Northern Territory Government are providing funds of up to \$1 million for these works. The City of Darwin is providing in-kind resources in the form of staff time to deliver the projects.

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

The upgrade and refurbishment works of aging assets will likely reduce Council's risks.

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 REPORT NUMBER: 12TS0170DL:LM
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ENVIRONMENTAL IMPLICATIONS

The locations of seating along the foreshore were selected to utilise shade from existing trees and therefore material shade.

The tennis court upgrades have been designed to minimise impact on the park and existing landscaping.

COUNCIL OFFICER CONFLICT OF INTEREST DECLARATION

We the Author and Approving Officers declare that we do not have a Conflict of Interest in relation to this matter.

DROSSO LELEKIS
MANAGER DESIGN, PLANNING
& PROJECTS

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

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 d.lelekis@darwin.nt.gov.au.

**ENVIRONMENT & INFRASTRUCTURE
COMMITTEE/OPEN**
AGENDA ITEM: 9.11
REQUEST FOR TREE REMOVAL - 48 WOODS STREET, DARWIN
REPORT No.: 12TS0163KS
COMMON No.: 1098497
DATE: 23/10/2012
Presenter: Manager Infrastructure Maintenance, Kerry Smith
Approved: General Manager Infrastructure, Luccio Cercarelli
PURPOSE

The purpose of this report is to recommend actions relating to a request to significantly prune or remove a large Mahogany (*Khaya senegalensis*) tree outside 48 Woods Street.

LINK TO STRATEGIC PLAN

The issues addressed in this Report are in accordance with the following Goals/Strategies of the Darwin City Council 2008 – 2012 as outlined in the 'Evolving Darwin Strategic Directions: Towards 2020 and Beyond':-

Goal

2 Enhance Darwin's Active, Positive and Flexible Lifestyle

Outcome

2.1 Improve urban enhancement around Darwin

Key Strategies

2.1.1 Manage and maintain the municipal landscaping and infrastructure to a standard that meets community needs

KEY ISSUES

- The body corporate of 48 Woods Street Darwin has previously requested for the Mahogany tree within Woods Street verge adjacent to the property be removed due to flooding damage to the building allegedly caused by leaves from the tree blocking gutters and downpipes.
- Council has refused previous requests to remove the tree and has undertaken various levels of pruning in accordance with Council Policy.
- The body corporate has recently advised Council they intend to prune the tree back to the property line, to reduce the impact of leaf drop on their premises, as is their legal entitlement.
- Pruning back to the property line, has the potential to destabilise the tree.
- If pruned to the property line the tree may need to be removed to ensure public safety.

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 REPORT NUMBER: 12TS0163KS
 SUBJECT: REQUEST FOR TREE REMOVAL - 48 WOODS STREET, DARWIN

RECOMMENDATIONS

THAT it be a recommendation to Council

- A. THAT Report Number 12TS0163KS entitled Request For Tree Removal - 48 Woods Street, Darwin, be received and noted.
- B. THAT Council advise the owners of 48 Woods Street that in accordance with Council Policy it will not remove the tree for the reasons identified.
- C. THAT City of Darwin pursuant to Section 32 (2) of the Local Government Act 2008 (as Amended) hereby delegates to the Chief Executive Officer, the power to reassess the tree following any pruning by the owners of 48 Woods Street and if the tree is determined to present a public safety risk the tree to remove it without further notice and to replant a suitable tree species in the vicinity.

BACKGROUND

The body corporate of 48 Woods Street has requested the Mahogany tree outside the property (**Attachment A**) be removed due to leaf and twig drop that blocks gutters and downpipes. Blocked gutters have caused flooding to occur within the building. Extensive work was done to upsize gutters and downpipes in 2011 by the body corporate, at their cost. However, they have advised that blockages are still occurring and flood damage continuing.

Council Policy 050 Trees on Verges – Conservation clearly indicates that trees are to be preserved wherever possible and that removal of trees due to leaf drop is not supported.

Report number 11TS0111 was presented to Council on 7 July 2011 outlining a previous request for the tree to be removed however due to the policy direction the recommendation and decision of Council was to not remove the tree.

At a site meeting on 25 September 2012, the body corporate has now indicated that legal advice provided to them is that they have the right to prune the tree back to the property line therefore removing all branches and foliage growing over the roof of the building.

It is accepted that a legal right to prune back to the property line exists.

DISCUSSION

Should the body corporate of 48 Woods Street implement the pruning it is difficult to assess with any certainty what may happen to the tree however it is highly likely that the weight reduction on one corner of the tree may destabilise the tree to a point that it becomes hazardous in storms or high winds. The pruning will create a sail effect for wind to increase destructive forces which may result in the tree falling or limb failure.

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 REPORT NUMBER: 12TS0163KS
 SUBJECT: REQUEST FOR TREE REMOVAL - 48 WOODS STREET, DARWIN

This tree is monitored currently within Council's Urban Forest Management (UFM) program and any identified pruning or maintenance work is implemented as required. Council's arborist's do not agree with the proposal to prune the tree and hold significant concern for the long term health of the tree.

Previously when a similar situation occurred at Tamarind Park with a large Mahogany tree that was pruned Council. It eventually did fail and was subsequently removed to protect community, property and infrastructure. It is proposed that a similar monitoring program may be required in the current case should pruning be done.

A determination of a future course of action can not be easily made until any pruning works are undertaken. Staff will make a full assessment after any pruning.

Alternatively Council could agree to removing the tree prior to any private pruning works being undertaken. This would not be in accordance with Council's Policy and previously held positions on similar matters and would result in the removal of a significant and healthy tree from the CBD's urban forest.

CONSULTATION PROCESS

In preparing this Report the following parties were consulted:

- The body corporate of 48 Woods Street Darwin
- Cridlands MB
- City of Darwin's arborist

POLICY IMPLICATIONS

The pruning of the tree by the body corporate is outside of any literal interpretation of policy however the pruning and possible future removal of the tree is in conflict with Policy 050

BUDGET AND RESOURCE IMPLICATIONS

Pruning of the tree overhanging 48 Wood Street would be at the cost of the body corporate/property owner.

Removal of the tree would cost approximately \$12,000.

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

It is accepted that the body corporate has a right to prune the Council tree back to the property line as they have proposed.

A legal challenge to the proposed action could be initiated however it would be most likely be an expensive process for Council to pursue.

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 REPORT NUMBER: 12TS0163KS
 SUBJECT: REQUEST FOR TREE REMOVAL - 48 WOODS STREET, DARWIN

ENVIRONMENTAL IMPLICATIONS

The loss of the tree would see a reduction of many environmental benefits including biodiversity and habitat, air filtration, sequestration of carbon, shade and streetscape amenity.

COUNCIL OFFICER CONFLICT OF INTEREST DECLARATION

We the Author and Approving Officers declare that we do not have a Conflict of Interest in relation to this matter.

KERRY SMITH
MANAGER INFRASTRUCTURE
MAINTENANCE

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

For enquiries, please contact Kerry Smith on 8980 3654 or email:
 k.smith@darwin.nt.gov.au.

Attachments:

Attachment A: Photos of the tree at 48 Wood Street, Darwin

Report Number 12TS0163KS entitled Request For Tree Removal - 48 Woods Street, Darwin



**ENVIRONMENT & INFRASTRUCTURE
COMMITTEE/OPEN**
AGENDA ITEM: 9.12
**MUIRHEAD DEVELOPER CONTRIBUTION PAYMENT, TIMING AND WORKS
REQUEST**
REPORT No.: 12TS0166ND:KB
COMMON No.: 248448
DATE: 23/10/2012
Presenter: Manager Assets, Nadine Douglas
Approved: General Manager – Infrastructure, Luccio Cercarelli
PURPOSE

The purpose of this report is to present to Council the request from Muirhead Developers to provide advance payment towards the Lee Point Road Contribution Plan on the condition that Council undertake specified works within the 2013 dry season.

LINK TO STRATEGIC PLAN

The issues addressed in this Report are in accordance with the following Goals/Strategies of the Darwin City Council 2008 – 2012 as outlined in the 'Evolving Darwin Strategic Directions: Towards 2020 and Beyond':-

KEY ISSUES

- The Lee Point Road Contribution Plan for Roadworks is not yet gazetted; the exhibition period closed 15 October 2012.
- The Muirhead Developers will be required to pay a contribution for stages already completed and then prior to titles being released for future stages in accordance with the Lee Point Road Contribution Plan for Roadworks, once finalised.
- The Developers are prepared to pay some contribution ahead of schedule if Council agrees to aim for construction of the Tambling Terrace intersection upgrade and Muirhead entry roundabout being completed by December 2013.
- The works would be managed by Council.

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 REPORT NUMBER: 12TS0166ND:KB
 SUBJECT: MUIRHEAD DEVELOPER CONTRIBUTION PAYMENT, TIMING AND WORKS REQUEST

RECOMMENDATIONS

THAT it be a recommendation to Council:-

- A. THAT Report Number 12TS0166ND:KB entitled Muirhead Developer Contribution Payment, Timing And Works Request, be received and noted.
- B. THAT Council support in principle the proposal made by Defence Housing Australia to undertake construction of works subject to contribution payment being received as outlined in Report Number 12TS0166ND:KB entitled Muirhead Developer Contribution Payment, Timing And Works Request within the 2013 dry season.
- C. THAT City of Darwin pursuant to Section 32 (2) of the Local Government Act 2008 (as Amended) hereby delegates to the Chief Executive Officer be delegated to finalise with Defence Housing Australia the agreed amount of advance payment to be made, and the timing of works, in accordance with the Lee Point Road Developer Contribution Plan for Roadworks.

BACKGROUND

The Lee Point Road Contribution Plan for Roadworks has finished its exhibition period and gazettal is scheduled by the end of 2012. Once in place, the Muirhead Development will be required to pay a contribution to Council.

The Muirhead development has had titles issued for stage 1 with the agreement that the Contribution amounts be paid following the finalisation of the Contribution Plan.

Council has identified that the Tambling Terrace intersection requires upgrading to cater for the short-term traffic demand and money is budgeted in the 2012/13 and 2013/14 budgets.

DISCUSSION

The Muirhead Developer, Defence Housing Australia, has written to Council requesting agreement to undertake construction that benefits both parties in 2013. The letter is included in **Attachment A**.

The scope of construction work is shown in **Attachments B** and **C**, and includes the following;

- Upgrade the Tambling Terrace intersection to signalised, including turning lanes
- Construct right hand turning lane into Fitzmaurice Drive
- Construct the first Muirhead intersection as a roundabout
- Install bicycle lanes (where possible)

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 SUBJECT: MUIRHEAD DEVELOPER CONTRIBUTION PAYMENT, TIMING AND WORKS REQUEST

The design of the upgrade has been completed and is considered an interim design as when the duplication of Lee Point Road occurs, this work will require minimal amendment. For example, the carriageway to be upgraded will become the northbound carriageway of the ultimate design and the roundabout will remain as constructed with only the road being widened out to two lanes in each direction.

There are benefits to undertaking this work as a package, particularly through the economies of scale by packaging the work together. Council will manage the project from tender documentation to final construction. Once final agreement on the cost and timing of works is made, the developer will have no further input into this process, other than their internal tie-in to the roundabout etc.

The approximate square metres of developed area per stage that the contribution proposal refers to are listed in the table below, along with the expected timeframe for completion. The developer will be required to contribute nearly \$1.3 million at the completion of stage 2, which is expected later this year.

Stage	Date	Square Metres	Expected Contribution
1	December 2012	188,894	\$635,000
2	December 2012	197,100	\$662,000
3	March 2013	283,900	\$954,000
4	December 2014	189,400	\$702,000

The works have been estimated to cost \$2.65 million in total, for both Tambling Terrace and the roundabout, including the Fitzmaurice Drive intersection.

This means that the developer will be paying for stages 1 and 2 as per the contribution plan and the majority of stage 3 development works prior to completion.

Council has \$450,000 committed over two financial years for the Tambling Terrace intersection, which will be included in the total funds.

The benefit to Council is that Council's contribution is limited to the \$450,000 already committed and the works will be able to be completed within the next dry season. If Council were to wait until the contribution funds were received at time of the stage development completion then the works may not occur until 2015.

If the roundabout were not to be constructed, then a temporary intersection would be constructed by the developer for access and then in time the roundabout would be constructed, either in single carriageway or dual carriageway format depending on the timing. This would be an additional disruption to the traffic in the area. There is also the benefit that Muirhead has only just started getting residents so the disruption of the whole project will affect less people than it would in another few years.

There developer has agreed to pay the stage 3 contribution in advance of it being required by the Contribution Plan to ensure the works are carried out next dry

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season. If for some reason the works did not occur then the contribution not already owed to Council will be returned to the developer.

CONSULTATION PROCESS

In preparing this Report the following parties were consulted:

- Muirhead Developers – Defence Housing Australia
- SMEC Urban

POLICY IMPLICATIONS

This proposal has no current policy issues, but will relate to the Developer Contribution Plan Policy once it is in place.

BUDGET AND RESOURCE IMPLICATIONS

There are no additional budget implications at this time.

The contribution plan is developed to cover all costs and the developer is proposing to pay contribution monies ahead of schedule in order to have construction completed in a more timely and efficient manner.

The total cost of works is approximately \$2.65 million, with \$450,000 being funded by Council and \$2.25 million being funded by the developer's contribution.

There will be a proportion of the works that are considered sacrificial due to the interim design being constructed, when the contribution plan is for the ultimate dual carriageway. However, this has been considered in the design and the cost is expected to be minimal (ie less than 1% of total costs). Products and materials that can be recycled will be used wherever possible, such as rubber kerbing that is pinned to the surface which can be relocated once the dual carriageway is constructed.

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

There are no significant risks or legal implications foreseen with this proposal.

The developer is prepared to pay for their contribution

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 SUBJECT: MUIRHEAD DEVELOPER CONTRIBUTION PAYMENT, TIMING AND WORKS REQUEST

ENVIRONMENTAL IMPLICATIONS

Constructing the lights and roundabout will improve traffic flow in the area and also improve pedestrian and vehicle safety.

Where possible recycled and reusable materials will be used and energy efficient methods adopted.

COUNCIL OFFICER CONFLICT OF INTEREST DECLARATION

We the Author and Approving Officers declare that we do not have a Conflict of Interest in relation to this matter.

NADINE DOUGLAS
MANAGER ASSESTS

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

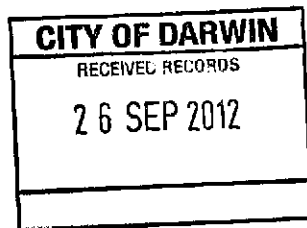
For enquiries, please contact Nadine Douglas on 89300417 or email: n.douglas@darwin.nt.gov.au.

Attachments:

Attachment A: Incoming Letter from Defence Housing Australia

Attachment B: Tambling Terrace Interim Design Layout

Attachment C: Interim Design Plan Layout



24 September 2012

Mr Luccio Cercarelli
General Manager Infrastructure
Darwin City Council
GPO Box 84
Darwin NT 0801

Dear Luccio

For your consideration

We have read the revised Lee Point Road (LPR) Contribution Plan (DCP) and understand the City of Darwin (COD) needs and priorities in regards to the upgrade of LPR. It is important to COD that the Tambling Terrace and Fitzmaurice Drive intersections are upgraded to manage the traffic and provide a safe intersection for users. Defence Housing Australia (DHA) also has an obligation to construct an entry point to Stage 2 of Breezes Muirhead, and would like to work with Council to achieve the ultimate design of a roundabout intersection to ensure safe ingress and egress from the suburb.

We have met with your officers Joy Welshman and Nadine Douglas and have discussed priorities relating to the varying matters surrounding the DCP, and how the best way forward could be determined.

It should be noted at this point that under the proposed Lee Point Road DCP, DHA would be required to contribute approximately \$1.3 million in December 2012 for Stages 1 and 2, and approximately \$950,000 in December 2013 for stage 3.

From our discussions, it is DHA's view that the following are the key points/hurdles that require addressing:

1. Determining a value to sacrificial works between interim and ultimate design of the roundabout from Breezes Muirhead Stage 2 onto LPR. (SMEC will provide clear overlays to assist in that determination);
2. The benefits to DHA to constructing a sacrificial intersection in place of the ultimate LPR designed roundabout;
3. The value for an interim solution for the Tambling & Fitzmaurice intersections is estimated at \$ 1.4 million and the Muirhead / LPR intersection at \$1.2 million;
 - a. COD has targeted the construction of the Tambling & Fitzmaurice upgrade to occur in April/May of 2013 requiring a budget of \$1.4 million.
 - b. Muirhead entry round-about as per the DCP has a target construction date of 2-5 years requiring a budget of \$1.2 million.
4. Timing for the approval of contributions and construction with Council;

HEAD OFFICE

26 Brisbane Avenue Barton ACT 2600
Telephone: 139 DHA Fax: 02 6222 2200
Email: info@dha.gov.au Internet: www.dha.gov.au
ABN 72 968 504 934



5. Tendering; and
6. Impact of weather.

We propose the following options for your consideration;

1. [DHA preferred option] DHA pay the December 2013 contribution in advance to facilitate the construction of the LPR upgrade from Tambling Terrace to the Muirhead roundabout. This way providing better value for money through economies of scale. Works managed by COD.
2. DHA undertake the construction works to the roundabout at the intersection of Muirhead and LPR, which is credited from the DCP, however, construction would be delayed until after the wet. (This option does not appreciate the economies of scale of doing the whole strip at once.)

Either way, through this period there would be no impact on access to Breezes Muirhead Stage 2 as the public can access the site through Stage 1.

As previously conveyed, DHA would be willing to make early payment of contributions for Stage 3; however requires the following conditions;

1. Certificate of compliance for Stage 2 being issued in 2012 on the basis that all works except the roundabout entry are completed to COD satisfaction so titles for Stage 2 are released; and
2. Construction Works including the roundabout commence before April 2013.

DHA value the strong, positive and proactive relationship that has been built with COD and we look forward to this continuing with your reply to our mutual benefit.

Yours sincerely

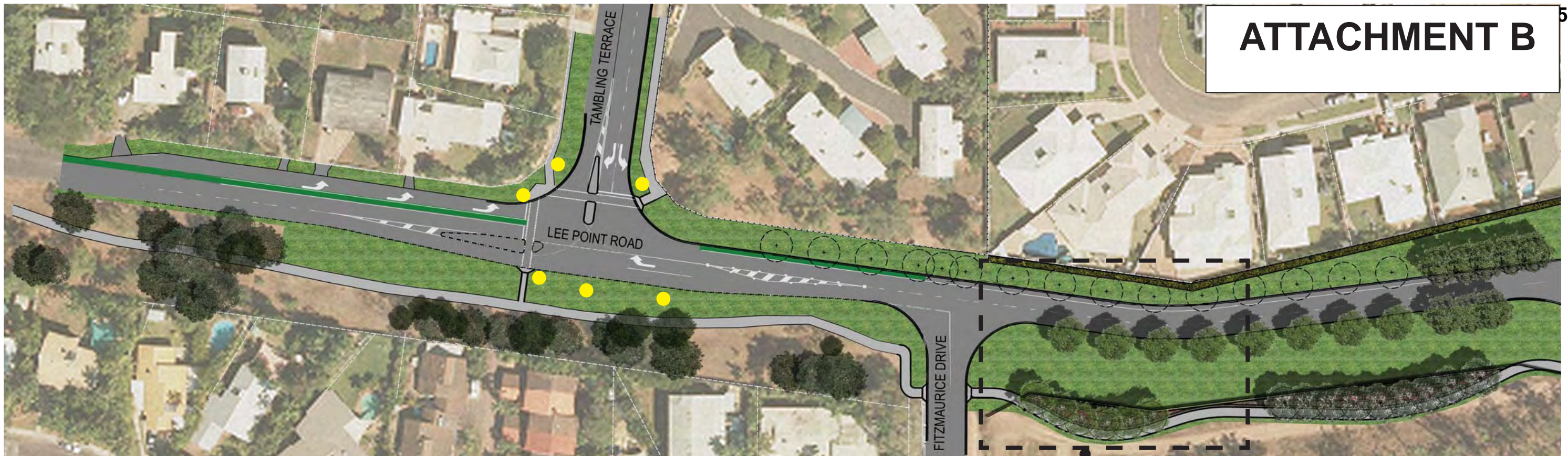
DEFENCE HOUSING AUSTRALIA

A handwritten signature in black ink, appearing to read 'James Wallace', is written over the printed name and title.

JAMES WALLACE
SENIOR DEVELOPMENT MANAGER

HEAD OFFICE

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ABN 72 968 504 934




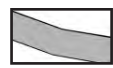




INTERIM PLAN

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REFER TO INSET A

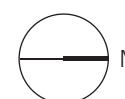
LEGEND

-  EXISTING VEGETATION TO BE RETAINED
-  PROPOSED STREET TREE PLANTING
-  INDICATIVE LOCATION OF FUTURE STREET TREE PLANTING (COORDINATED WITH O/H POWER RELOCATION)
-  2.5 M WIDTH SHARED PATH
-  DRY LAND TURF SPECIES
-  TRAFFIC SIGNAL LOCATIONS



INSET A
1:500


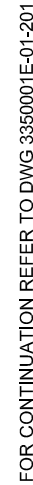
Lee Point Road Upgrade, Muirhead



please note:
This plan is based on preliminary information only and may be subject to change as a result of formal Council/Authority advice, detailed site investigations and confirmation by survey

ref.: 3350001L
date: 31 May 2012
rev.: A
drawn: ES
checked: SW

Landscape Architecture
Gold Coast - tel 5578 0222
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abn 47 065 475 149
trading as smec urban



CITY OF
DARWIN

Principal
Darwin City Council

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Lee Point Road Upgrade
Detailed Design - Interim
Darwin City Council
Roadworks
Presentation Plan

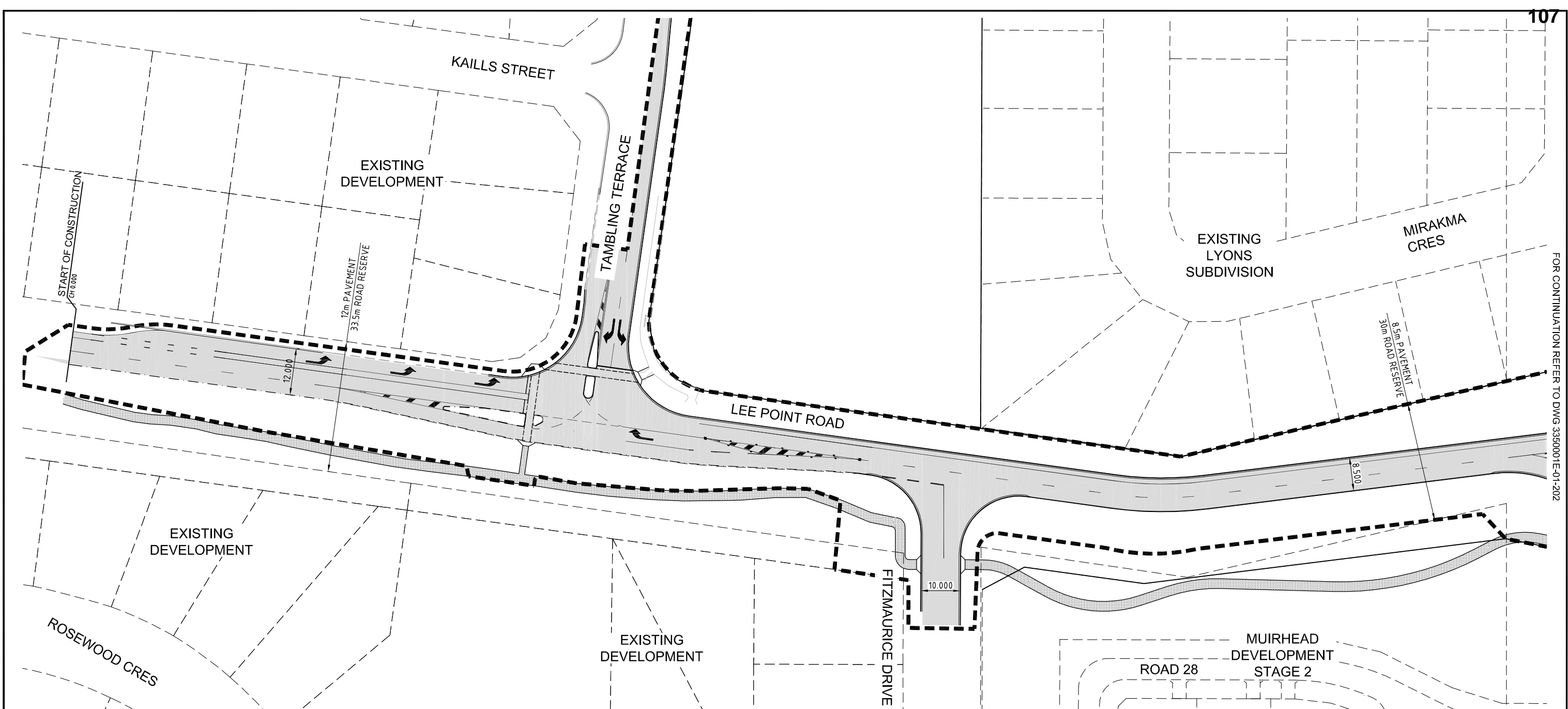
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Sheet No. 2 of 2

Subject to Approval
Not to be used for construction

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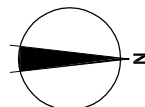


A	Issued For Approval	12.10.12	SH/DS
REVISION		DATE	DES/DTF APPD

Principal
Darwin City Council


Project Leader
S.Sandford
Designed
S.Hartley
Drawn
D.Smibert
Checked

Authorised
Date
October 2012



Scale @ A1
1:500

0 5 10 20



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Lee Point Road Upgrade
Detailed Design - Interim
Darwin City Council
Roadworks
Presentation Plan
Drawing No. 3350001E-01-201
Dev. App. No.
Sheet No. 1 of 2

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Not to be used for construction

**ENVIRONMENT & INFRASTRUCTURE
COMMITTEE/OPEN**
AGENDA ITEM: 9.13
**NIGHTCLIFF MIDDLE SCHOOL AND ARALIA STREET ROAD SAFETY WORKS
UPDATE REPORT AUDIT**
REPORT No.: 12TS0156PC:lm
COMMON No.: 1361689
DATE: 23/10/2012
Presenter: Manager Design Planning & Projects, Drosso Lelekis
Approved: General Manager Infrastructure, Luccio Cercarelli
PURPOSE

The purpose of this report is to provide an update on progress in regard to resolving the traffic issues around the Nightcliff Middle School and to provide information on the Aralia Street "Black Spot" project which, given its proximity to the School, requires consideration in relation to any proposed road works that are likely to occur in the surrounding area.

LINK TO STRATEGIC PLAN

The issues addressed in this Report are in accordance with the following Goals/Strategies of the Darwin City Council 2008 – 2012 as outlined in the 'Evolving Darwin Strategic Directions: Towards 2020 and Beyond':-

Goal

3 Assist Individuals and the Community Stay Connected with the Darwin Region

Outcome

3.2 Enhance transport systems

Key Strategies

3.2.2 Manage and improve the road network and infrastructure to a standard that meets the needs of the community

KEY ISSUES

- Traffic and Road Safety Concerns raised by the Nightcliff Middle School in regards to the safety of students travelling to and from school.
- Traffic and Road Safety Concerns raised by residents of Aralia Street in regards to the perceived dangerous driving and excessive speeds at which vehicles travel along this road.
- The City of Darwin has been successful in obtaining Australian Government funding (\$50,000) for the Aralia Street project through the 2012-2013 Northern Territory Black Spot Program.

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- Council has been successful in obtaining Northern Territory Government co-funding for the Nightcliff Middle School works through the 2012-2013 Local Area Traffic Management Program. The Works will be jointly funded by the Northern Territory Government (\$17,500) and City of Darwin (\$17,500) with the total project value being \$35,000.
- The Nightcliff Middle School works (**Attachment B**) have been endorsed by the Nightcliff Middle School.
- A broader community consultation process is now proposed and Council's endorsement is sought to proceed with the consultation for both the Nightcliff Middle School works and the Aralia Street works (**Attachment C**).

RECOMMENDATIONS

THAT it be a recommendation to Council:-

- A. THAT Report Number 12TS0156PC:lm entitled Nightcliff Middle School and Aralia Street Road Safety Works Update Report Audit, be received and noted.
- B. THAT Council endorse the concept plans and the commencement of community consultation for the Nightcliff Middle School and Aralia Street works as provided in **Attachment A**, **Attachment B** and **Attachment C** to report number 12TS0156PC:lm entitled Nightcliff Middle School and Aralia Street Road Safety Works Update Report Audit.
- C. THAT a further report be submitted on the outcomes of the community consultation process.

BACKGROUND

At it's Environment and Infrastructure Committee Meeting held Monday 21 November 2011, Council resolved as follows:

Nightcliff Middle School Safe Routes to Schools Assessment and Road Safety Audit

Report No. 11TS0195 DL:lm (09/11/11) Common No. 1361689

- A. *THAT Report Number 11TS0195 DL:lm entitled, Nightcliff Middle School Safe Routes to Schools Assessment and Road Safety Audit, be received and noted.*
- B. *THAT Council endorse the recommendations from the Nightcliff Middle School Safe Routes to Schools Assessment and Road Safety Audit within it jurisdiction, as indentified in Table 1 of Report Number 11TS0195 DL:lm, to allow further feasibility assessments, concept design development, costings and Community consultation including the Nightcliff Middle School.*

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- C. *THAT a further report on the outcomes of the feasibility assessment, concept design development and costings and community consultation on the recommendations within Councils jurisdiction contained within Table 1 of Report Number 11TS0195 DL:lm be submitted to Council, with any proposed capital works being referred to Councils 2012/2113 Capital works budget for consideration.*
- D. *THAT the General Manager Infrastructure write to the entities responsible for the items listed in Table 2 of Report Number 11TS0195 DL:lm, providing copies of the Nightcliff Middle School Safe Routes to Schools Assessment and Road Safety Audit and requesting that action be taken to address these recommended actions to improve safety for the Community.*

DECISION NO.20\4647 (29/11/11)..... Carried

In accordance with Part C of this decision, City of Darwin officers have undertaken feasibility assessments, concept design development, costings and further consultation with the Middle School to obtain their support in principle for the proposed Nightcliff Middle School works (**Attachment B**).

This report provides information relating to the Aralia Street Black Spot Project, for it to be considered in conjunction with the Nightcliff Middle School works, given that the sites are in close proximity to one another.

DISCUSSION

Nightcliff Middle School

Following the endorsement by Council of the recommendations from the Nightcliff Middle School Safe Routes to Schools Assessment and Road Safety Audit, Council Officers have undertaken feasibility assessments, produced concept design plans, cost estimates and undertaken further consultation with the Nightcliff Middle School to seek their endorsement of the scope of works proposed around the school (**Attachment B**).

The results of this further assessment, design development and consultation with the school are tabled against the recommended actions from the Nightcliff Middle School Safe Routes to School Assessment and Road Safety Audit in **Table 1A** below.

Table 1A – Recommended actions and assessment results (City of Darwin's Jurisdiction) from the Nightcliff Middle School Safe Routes to Schools Assessment and Road Safety Audit

Recommended Actions from Report	Assessment of recommended Actions
1. Assess the feasibility of redesigning the Nightcliff Road/Aralia Street roundabout to incorporate wide	Not feasible due to the required turning movements of large vehicles i.e. buses.

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Recommended Actions from Report	Assessment of recommended Actions
splitter islands that can be used as refuges and straight line crossings.	Alternative pedestrian refuge locations will be considered further away from the round-about.
2. Assess the feasibility of introducing an informal midblock children's crossing just north of the school access along Nightcliff Road, taking into account the required site lines and the need to restrict/prohibit on the approach sides to meet these.	Feasible Option, however the installation of such a crossing will restrict on-street parking adjacent the refuge. A concept design has been developed.
3. Develop a design for a cycle crossing along Ryland Road incorporating a median island approximately 6m back from the holding line, with appropriate path connections and hand rails that also suit the access arrangements for the proposed development on the corner of Ryland Road and Nightcliff Road.	Not considered feasible for the following reasons: - It is inappropriate to have vehicles stop during turning movements on a busy Primary Collector Road. - The paths leading up to this intersection are shared paths and not exclusively for bicycles. - Possible cause of confusion for non-cyclists particularly younger students.
4. Consider the provision of on-road cycle lanes along Nightcliff Road as such a facility would result in the provision of traffic management in the form of a narrowed motor vehicular carriageway and hence encourage speed reductions resulting in a safer environment for both pedestrians and cyclists. (adoption of this recommendation would negate the need for recommendation 3)	Not considered feasible for the following reasons; - insufficient road width to accommodate both on-street parking and a bicycle lane. - no linkages - existing pedestrian refuges would have to be removed to allow required lane width
5. Assess the feasibility of introducing an informal midblock children's crossing along Ryland Road north-east of Ternau Road, taking into account the required sight lines and the need to restrict/ prohibit parking on the approach sides to meet these.	Feasible Option, however the installation of such a crossing will restrict on-street parking adjacent the refuge. A concept design has been developed.

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Recommended Actions from Report	Assessment of recommended Actions
6. Reduce the height of the southern KEEP LEFT sign on the median island at Cypress Road to match the northern KEEP LEFT sign so that it does not obstruct site lines.	Feasible Option.
7. Review the need to extend the no stopping yellow line restrictions in the vicinity of the Cypress Street crossing to ensure that parked or stopped vehicles do not obstruct the required sight distances.	Feasible Option.
8. Provide holding or grab rails at the Ryland Road, Nightcliff Road midblock and Nightcliff Road/Cypress Road crossings in accordance with the relevant Australian Standards/Guidelines.	Feasible Option. A concept design has been developed.
9. That "No Parking or Stopping" (yellow line) restrictions be introduced on the approach side of each vehicular access point to the School for a distance of at least 70 m.	Feasible Option, however will affect the existing on-street parking in these locations. Concept will be investigated further
10. Consider the introduction of a formal or informal Set-down/Pick-up area on the School side of Nightcliff Road, just south of the current visitor's entrance.	Although feasible this recommendation was not supported by the school, who would prefer to leave the parking arrangements in this area as is.

From the above recommended actions, concept designs were developed for the items considered feasible and presented to the Nightcliff Middle School at a meeting held with the School Principal on 16 August 2012. The design options presented were subsequently approved by the school and it is proposed that these now form part of a broader community consultation in conjunction with the Aralia Street project consultation.

Aralia Street Black Spot Project

The Aralia Street Black Spot project has been included in this report for consideration due of it's proximity to the Nightcliff Middle School and the associated traffic issues.

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 WORKS UPDATE REPORT AUDIT

This project has Australian Government approval and funding and is included in Council's 2012-2013 Capital Works program.

History – Aralia Street

Over the past few years several residents of Aralia Street have expressed concerns to Council about dangerous driving and the excessive speeds at which vehicles travel along this road.

As a result of these concerns an independent assessment was undertaken of Aralia Street, which included a Road Safety Audit (independent of the Nightcliff Middle School Audit), for the section of road between Nightcliff Road and Cedar Street.

The traffic assessment found that there were sight line issues at the bend near Cedar Street, high operating speeds were being recorded and that there was an inconsistent use of road signs.

Possible treatments recommended include;

- Parking/stopping restrictions introduced at the Cedar Street bend to ensure that the required stopping sight distances are met.
- Measures introduced to reduce the operating speed to 50 km/h along Aralia Street, particularly on the approaches to the Cedar Street bend. Measures include edge lines, painted medians, traffic islands and/ or kerb build-outs at intersections.
- Warning signs not be erected on the same posts as regulatory signs as they have potential to distract from the regulatory sign.

Based on these recommendations, a concept design was developed for Aralia Street (**Attachment C**) incorporating the suggested measures which was submitted as a Black Spot nomination in the 2012/2013 National Black Spot Program and was subsequently approved for Commonwealth funding to the value of \$50,000 in June 2012.

To maximise the outcomes presented by this design opportunity in Aralia Street, the following additional issues (beyond those mentioned in the audit findings) were also considered in the development of the concept design:

- The feasibility of installing road side landscaping in the proposed kerb build-outs was investigated but eventually discounted due to on inability to provide the required driver sight lines as specified in the Australian Standards.
- Aralia Street is a Secondary Collector road generally operating in accordance with its intended function with a much lower volume (approximately 1,500 vehicles per day), with a much higher operating speed for this class of road with a 50km/h speed limit. The Austroad Design Guidelines provides that roads with vehicular traffic volumes of less than 3,000 vehicles per day do not require

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designated cycle lanes. That said, Council may still install designated cycle lanes if desired. However, due to the insufficient and varying road width a gap in connectivity and the current and future parking demands it was deemed impractical. Consequently, it is not considered feasible to accommodate an on-road cycle lane within the proposed works.

- The use of recycled rubber kerbing in lieu of concrete kerbing to construct the central islands of the proposed pedestrian refuges. The use of rubber kerbing will be trialled on this project and if successful considered for use on future capital works projects. Options for the island infill will be considered at the detailed design stage of the works.

Summary of works proposed for Nightcliff Middle School Works and Aralia Street Projects.

A summary of the combined works proposed for the Nightcliff Middle School and Aralia Street projects is as follows:

- Construction of 4 new pedestrian crossing points and associated line marking and signage. (2 on Aralia Street, 1 on Nightcliff Road and 1 on Ryland Road);
- Construction of kerb extensions at the Aralia Street and Cedar Street Intersection;
- Installation of line marked parking lanes along Aralia Street from Nightcliff Road to Cedar Street.
- Installation of grab rails at the existing crossing points on Nightcliff Road (2 locations);
- Extension of the yellow “no stopping” lines adjacent the existing pedestrian crossing point near Cypress Street.

Site plans showing both the Nightcliff Middle School Works and the Aralia Street Black Spot Project is provided as **Attachment A**, **Attachment B** and **Attachment C**. It is recommended that the proposals shown in the site plans be the subject of a public consultation process. It is considered that combining these consultations will provide the best outcome for the community as all impacts can be considered together.

CONSULTATION PROCESS

In preparing this Report the following parties were consulted:

- Nightcliff Middle School Principal;
- Nightcliff Middle School Committee;
- I3 Consulting

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It is important to undertake public consultation in regard to the measures proposed to ensure that all of the residents/owners of properties within the effected area and other road users are aware of the proposal and have the opportunity to provide comment.

The results of the public consultation will be provided to Council in a subsequent report.

POLICY IMPLICATIONS

Nil.

BUDGET AND RESOURCE IMPLICATIONS

The works outlined in this report have a budget allocation in this financial years Council's Capital Works Program:

The cost of the works associated with the Nightcliff Middle School recommendations is covered by the 2012-2013 Local Area Traffic Management Program and is \$35,000 (excluding GST).

The cost of the works on Aralia Street is covered by the 2012-2013 Black Spot Program and is \$50,000 (including GST).

RISK/LEGAL/LEGISLATIVE IMPLICATIONS

The works identified are intended to make vehicular, pedestrian and cyclist travel in the area safer, reducing the risk of accidents between road and path users.

Having the ability to integrate the projects improves the overall outcome for all users.

ENVIRONMENTAL IMPLICATIONS

Using recycled rubber kerbing wherever possible has a positive environmental impact and as this will be the first time it has been used within the municipality. If proven successful, the recycled rubber kerbing will be used in other projects, further improving the environmental benefits.

Safer pedestrian and cycle routes encourages this type of traffic, reducing motorised traffic.

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 WORKS UPDATE REPORT AUDIT

COUNCIL OFFICER CONFLICT OF INTEREST DECLARATION

We the Author and Approving Officers declare that we do not have a Conflict of Interest in relation to this matter.

DROSSO LELEKIS
MANAGER DESIGN PLANNING & PROJECTS

LUCCIO CERCARELLI
GENERAL MANAGER
INFRASTRUCTURE

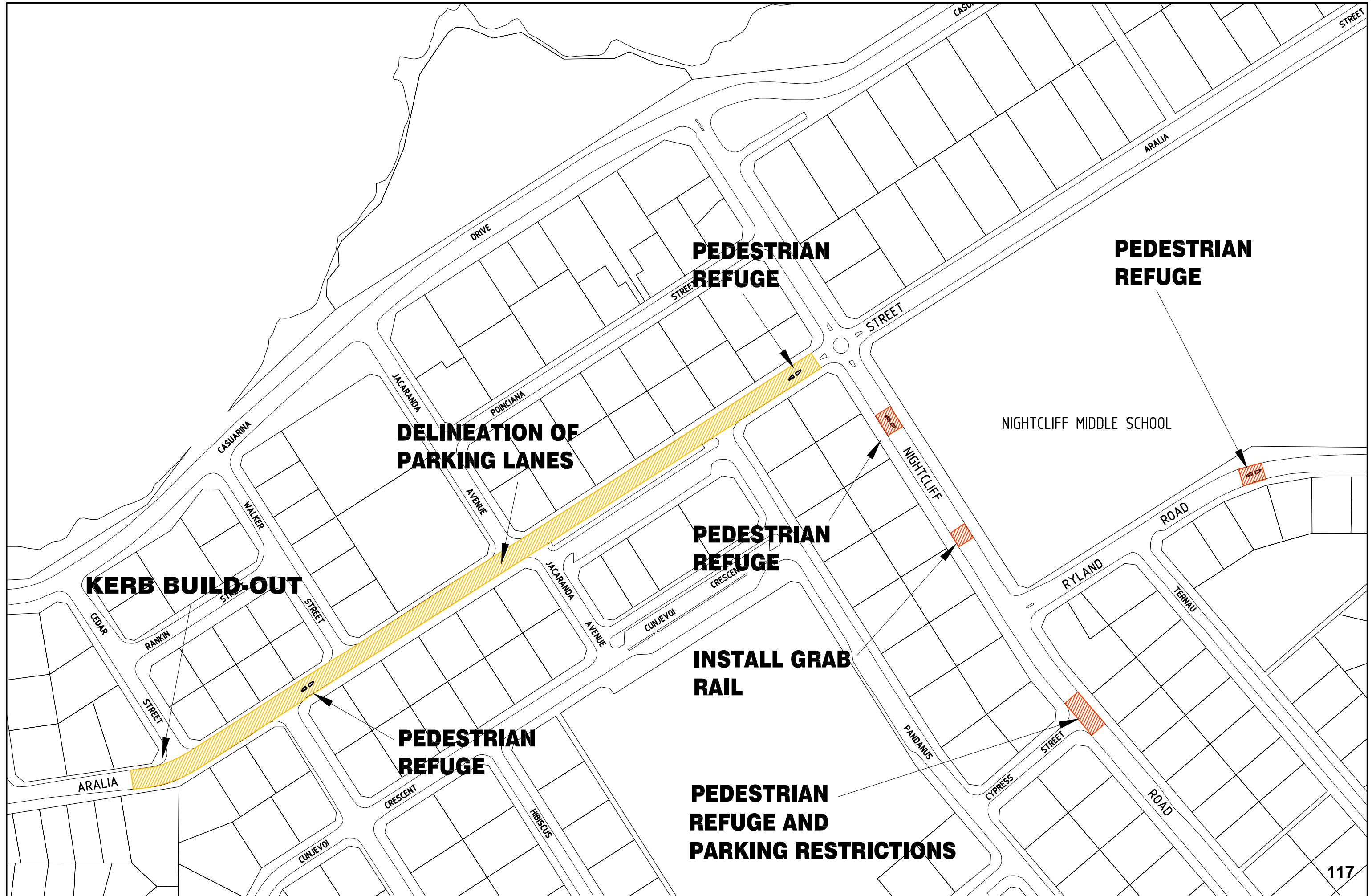
For enquiries, please contact Drosso Lelekis on 89300414 or email: d.lelekis@darwin.nt.gov.au.

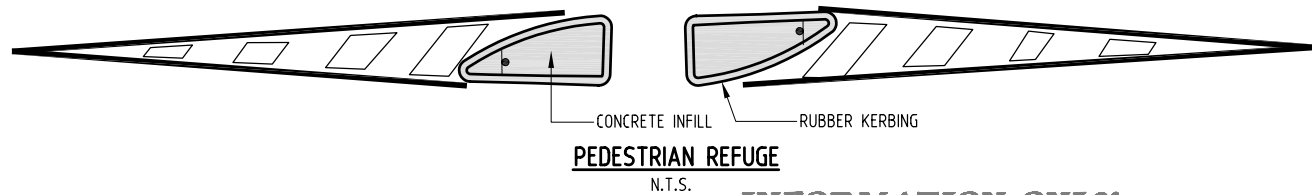
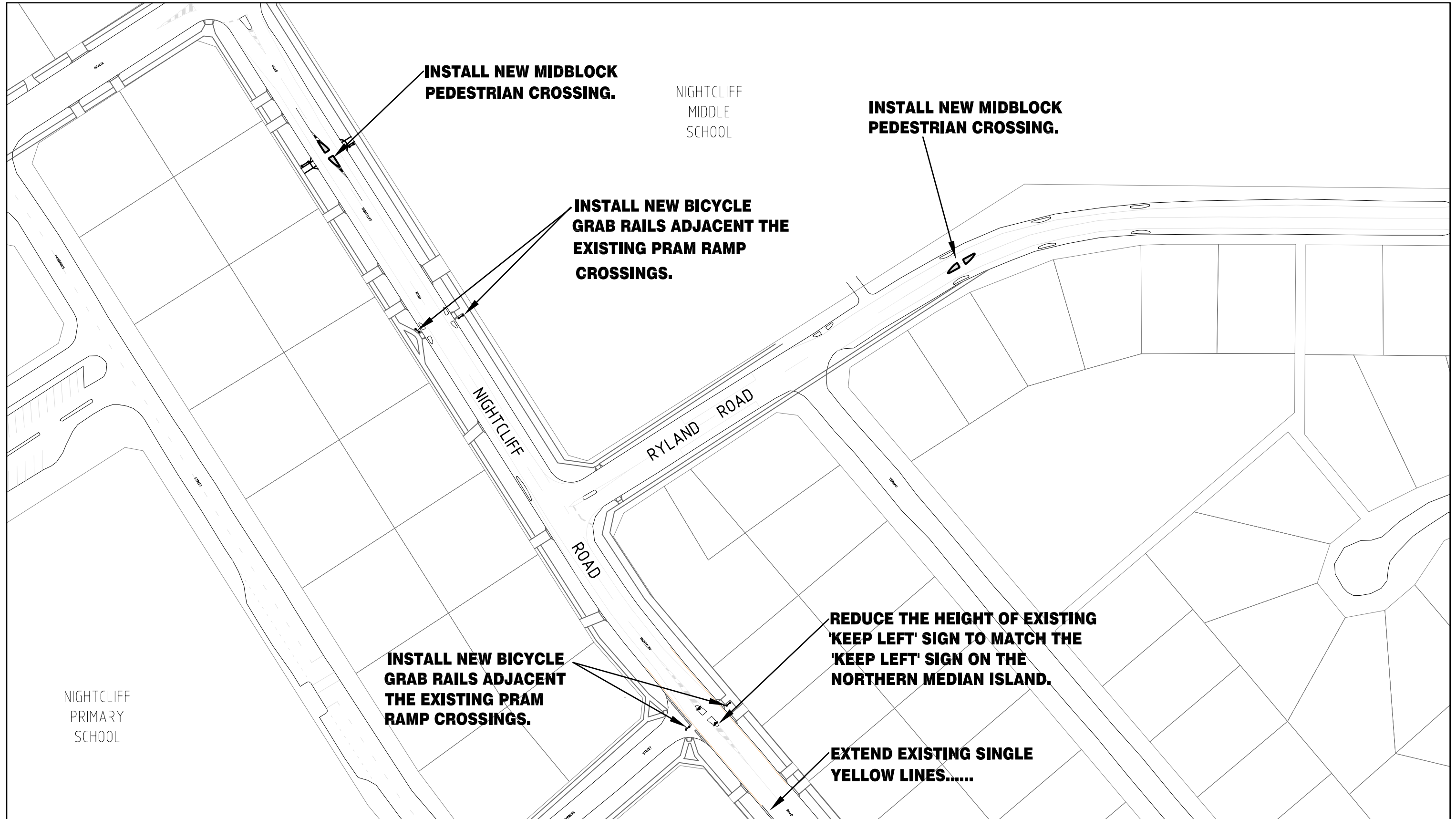
Attachments:


Attachment A: Site Plan

Attachment B: Nightcliff Middle School – Proposed Works

Attachment C: Aralia Street Black Spot Project – Proposed Works

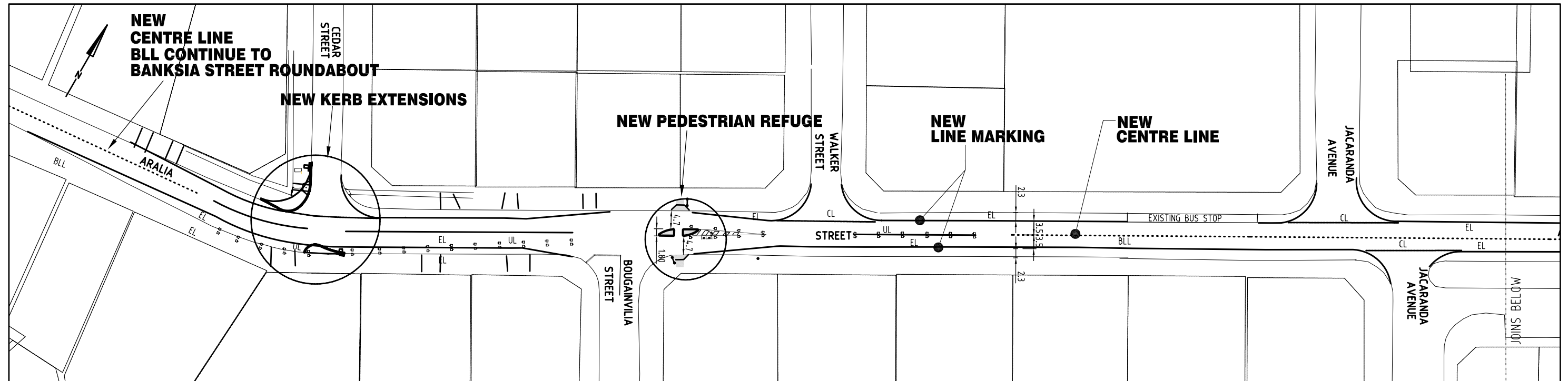




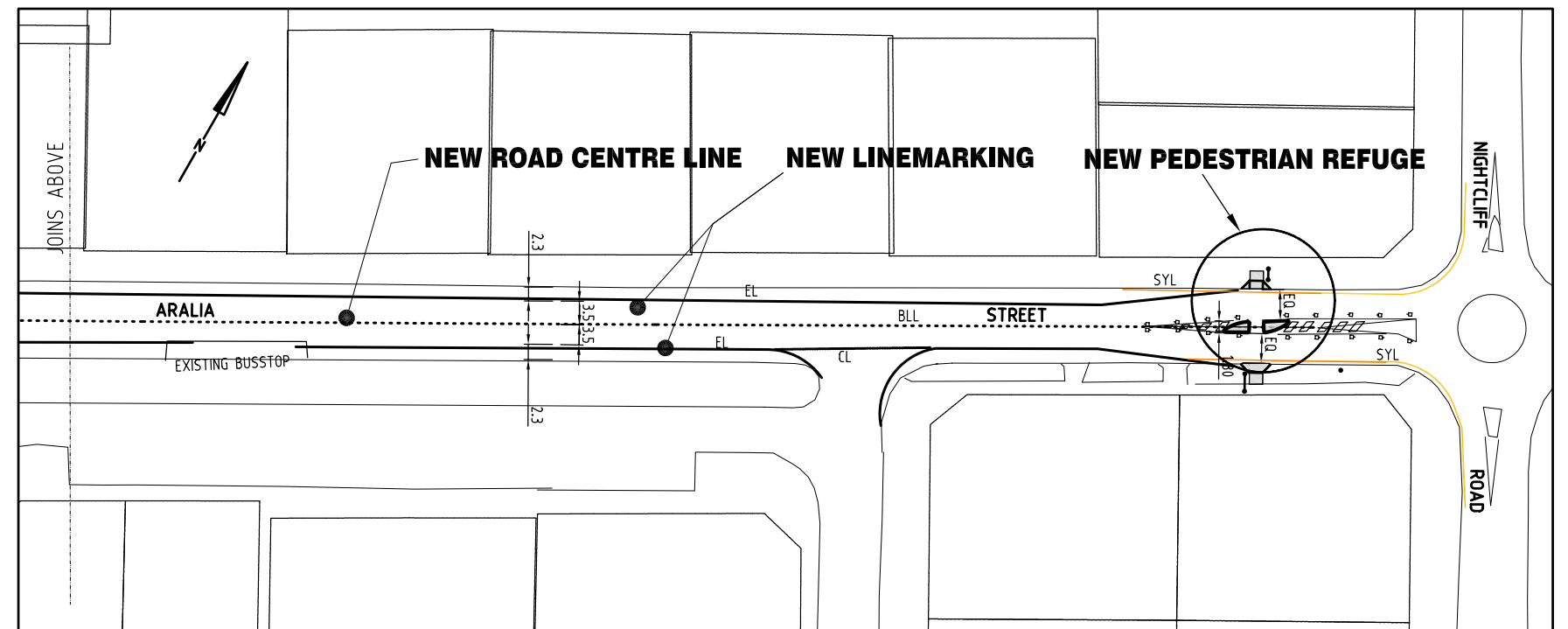
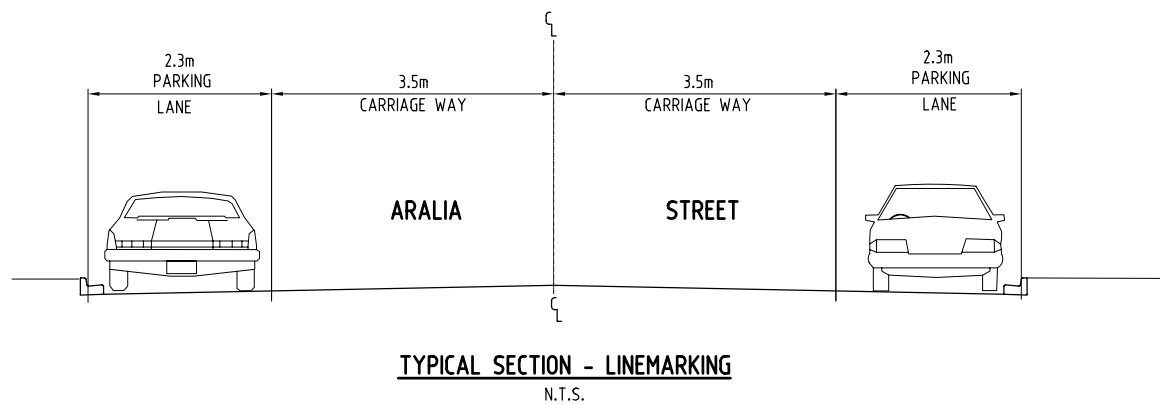
DRAWN RM	DESIGNED HC	NIGHTCLIFF MIDDLE SCHOOL, NIGHTCLIFF RECOMMENDED PEDESTRIAN SAFETY UPGRADES LOCATION PLAN		
SCALE AS SHOWN	CHECKED			
APPROVED	DATE OCT'12			
	SHEET OF	SHEET SIZE A1	DRAWING No. 0466/16/01	

ATTACHMENT C

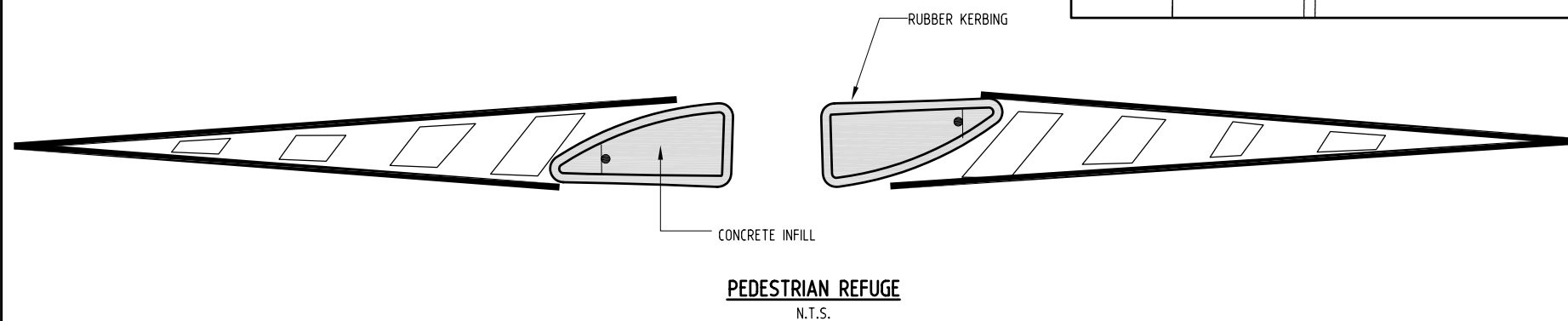
ARALIA STREET BLACK SPOT PROJECT - PROPOSED WORKS



PLAN



PLAN



INFORMATION ONLY

DRAWN HC	DESIGNED HC	ARALIA STREET - NIGHTCLIFF PROPOSED LINEMARK & CENTRE MEDIAN CONCEPT PLAN		
SCALE AS SHOWN	CHECKED			
APPROVED	DATE SEP'12			
SHEET	OF	SHEET SIZE	A1	DRAWING No.

OPEN SECTION

PAGE

E&I10\8

Environment & Infrastructure Committee Meeting – Tuesday, 23 October, 2012

10 GENERAL BUSINESS