



COFFS HARBOUR CITY COUNCIL

ORDINARY MEETING

(CITY SERVICES COMMITTEE)

COUNCIL CHAMBER

COUNCIL ADMINISTRATION BUILDING

COFF AND CASTLE STREETS, COFFS HARBOUR

6 SEPTEMBER 2007

**Commencing at the conclusion of the
Land Use, Health & Development Committee Meeting**

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CONFIDENTIAL ITEMS

The following items either in whole or in part may be considered in Closed Meeting for the reasons stated:

A portion of these reports is confidential for the reason of Section 10A (2):

- (d) commercial information of a confidential nature that would, if disclosed:
 - (i) prejudice the commercial position of the person who supplied it, or
 - (ii) confer a commercial advantage on a competitor of the council, or
 - (iii) reveal a trade secret.

and in accordance with Section 10A (1) the meeting may be closed to the public.

S59	TENDER: NORTH SAPPHIRE TO MOONEE WATER & SEWER PIPELINES - CONTRACT NO. 06/07-309-TO	45
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COFFS HARBOUR CITY COUNCIL
ORDINARY MEETING
(CITY SERVICES COMMITTEE)
6 SEPTEMBER 2007

Mayor and Councillors

CITY SERVICES DEPARTMENT REPORTS

S54 TRAFFIC COMMITTEE MEETING NO. 4/2007

Purpose:

To confirm minutes from the Traffic Committee Meeting held on 31 July 2007

Recommendation:

T.30 – Airport Drive, Coffs Harbour (R.509710)

That :

1. 60km/h signposting be installed on Airport Drive, Coffs Harbour, in accordance with Plan No. T.30.
2. additional signposting and lane markings be installed on Hogbin Drive, Coffs Harbour, on the southbound approach to Airport Drive roundabout in accordance with Plan No. T.30 (a).

T.31 – Wentworth Avenue, Coffs Harbour - 'No Stopping' (R.504270 [1683046])

That 'No Stopping' signs be installed in Wentworth Avenue, Coffs Harbour, and 'No Parking' signs be removed from the Pacific Highway, on the southern side of Wentworth Avenue, as per Plan No. T.31.

T.32 – Fitzgerald Street, Coffs Harbour - 'Give Way' signs (R.504500 [1603454])

That the 'Give Way' signposting and linemarking at the exit from Park Beach Caravan Park, Coffs Harbour, be removed as per Plan No. T.32.

Cont'd

T.33 – Beach Street, Woolgoolga - Short-term parking (R.508400 [1632781])

That no action be taken to implement '10 minute' parking restrictions in Beach Street, Woolgoolga, adjacent the Post Office.

T.34 – Beach Street, Woolgoolga - Triathlon (R.508400 / 1618 [1450196])

That :

- (a) the temporary road closure of Beach Street, Woolgoolga, between Bultitude and Carrington Streets, on Sunday, 14 October 2007 for the purpose of conducting the Woolgoolga Triathlon, commencing at 7.00am and finishing by 9.00am to be advertised and providing no substantive objections are received, the closure be approved.
- (b) the organisers, Woolgoolga Athletic Club, to liaise with affected traders and obtain traders approval.
- (c) the organisers be responsible for erection of traffic barriers and control of traffic using accredited traffic controllers.

T.35 – Traffic Management Plan, Powderfinger & Silverchair (R.511410)

That traffic management plans, including -

- All day parking restrictions on the Pacific Highway and Coff Street, Coffs Harbour.
- A 40km/h speed restriction on the Pacific Highway, Coffs Harbour, between Marcia Street and Coff Street from 3.00pm to midnight.
- Traffic control on the Pacific Highway from 3.00pm to midnight to control pedestrian access across the Pacific Highway at the Showground entrance.

be approved for the Powderfinger and Silverchair concert at Coffs Harbour Showgrounds on Thursday 6 September 2007, as per plans numbered T.35.

T.36 – Harbour Drive, Coffs Harbour - Temporary Road Closure - Buskers Festival (Harbour Drive)

That :

- (a) the temporary road closure of Harbour Drive, Coffs Harbour, on Saturday, 3 October 2007, between 7.00am and 5.00pm for the purpose of holding the Coffs Harbour International Buskers & Comedy Festival, be advertised and providing no substantive objections are received, the closure be approved.
- (b) the organisers (Streets Ahead) to liaise with affected traders and obtain traders approval.
- (c) the organisers be responsible for erection of traffic barriers and control of traffic using accredited traffic controllers.
- (d) the organisers be responsible for all costs associated with the temporary closure.

Cont'd

T.37 – First Avenue, Sawtell - Temporary Road Closure - Buskers Festival (R.501520)

That :

- (a) the temporary road closure of First Avenue, Sawtell on Saturday, 6 October 2007, between 10.00am and 5.00pm for the purpose of holding the Coffs Harbour International Buskers & Comedy Festival, be advertised and providing no substantive objections are received, the closure be approved.
- (b) the organisers (Streets Ahead) to liaise with affected traders and obtain traders approval.
- (c) the organisers be responsible for erection of traffic barriers and control of traffic using accredited traffic controllers.
- (d) the organisers be responsible for all costs associated with the temporary closure.

T.38 - Temporary Road Closure - Coffs Coast Food & Wine Festival - Beach Street, Woolgoolga (R.508400 / 1618)

That :

- (a) the temporary road closure of Beach Street, Woolgoolga, between Nightingale and Wharf Streets on Saturday, 27 October 2007, between 7.00am and 12.00noon for the purpose of holding the Coffs Coast Food and Wine Festival, be advertised and providing no substantive objections are received, the closure be approved.
- (b) the organisers (Streets Ahead) to liaise with affected traders and obtain traders approval.
- (c) the organisers be responsible for erection of traffic barriers and control of traffic using accredited traffic controllers.
- (d) the organisers be responsible for all costs associated with the temporary closure.

T.39 – HomeBase, Coffs Harbour - Bus Zones

That :

1. the request from Busways for approval of a bus zone on the Pacific Highway adjacent 'Homebase' for a trial period of twelve months be referred to the RTA for consideration.
2. Council write to Busways objecting to the elimination of timetabled bus route service to Mastracolas Road.

T.40 –Coffs Harbour CBD / Jetty Area Bus Zone Times (Bus Zones)

That bus zone signposting in the Coffs Harbour CBD and Jetty areas be extended from 7.00am to 6.30pm to 7.00am to 8.30pm.

Bus zone locations

- Orlando Street, Coffs Harbour (opposite Ocean Gem apartments)
- Harbour Drive (adjacent Jetty Village car park)

Cont'd

S54 Traffic Committee Meeting No. 4/2007 ... (Cont'd)

T.41 – St Francis Xavier School, Maldon Place, Woolgoolga - 40km/h School Zone
(R.508700)

That a 40km/h school zone on Maldon Place, Woolgoolga, be installed, as per Plan No. T.41.

T.42 –Cavanba Road, Toormina - 'No Parking' zone (R.501250)

That 'No Parking' signposting be installed in Cavanba Road, Toormina, adjacent Toormina High School, as per Plan No. T.42.

Attachments:

**COFFS HARBOUR CITY COUNCIL
TRAFFIC COMMITTEE MINUTES 4/2007
31 JULY 2007 - 10.30AM**

Present: Cr Bill Palmer, Coffs Harbour City Council
Snr Constable Scott Jackson, Coffs Harbour Police
Liz Smith, Roads and Traffic Authority
Kevin McKenzie, Coffs Harbour Taxi Network
Tony Mills, Busways
Darren Williams, Sawtell Coaches
George Stulle, Coffs Harbour City Council
Anne Shearer, Coffs Harbour City Council

Apologies: David Brooks, Coffs Harbour City Council
Greg Miers, Busways

Minute Taker: Ann Graham

T.30 – Airport Drive, Coffs Harbour (R.509710)

Consider request for confirmation of 60km/h speed zone for Airport Drive, Coffs Harbour. Also review lanemarking on Hogbin Drive on the approach to Airport Drive roundabout.

Recommended:

- 1. that 60km/h signposting be installed on Airport Drive, Coffs Harbour, in accordance with Plan No. T.30.**
- 2. additional signposting and lane markings be installed on Hogbin Drive, Coffs Harbour, on the southbound approach to Airport Drive roundabout in accordance with Plan No. T.30 (a).**

Reason: The 60km/h signposting is required to establish the speed zone on Airport Drive on departure from the Airport car parks. Additional signposting and lane markings on Hogbin Drive will provide advance warning for motorists required to merge to the right lane on approach to the Airport Drive roundabout.

T.31 – Wentworth Avenue, Coffs Harbour - 'No Stopping' (R.504270 [1683046])

Consideration to a request from residents for a 'No Stopping' area in Wentworth Avenue, Coffs Harbour, on the southern side on the bend as you enter from the Pacific Highway.

Recommended: that 'No Stopping' signs be installed in Wentworth Avenue, Coffs Harbour, and 'No Parking' signs be removed from the Pacific Highway, on the southern side of Wentworth Avenue, as per Plan No. T.31.

Reason: Parking restrictions are required on Wentworth Avenue to improve sight distance on a narrow bend.

T.32 – Fitzgerald Street, Coffs Harbour - 'Give Way' signs (R.504500 [1603454])

Consideration to removal of the existing 'Give Way' signs erected in Fitzgerald Street, Coffs Harbour, and at the exit to Park Beach Caravan Park as both have to 'Give Way' to each other.

Recommended: that the 'Give Way' signposting and linemarking at the exit from Park Beach Caravan Park, Coffs Harbour, be removed as per Plan No. T.32.

Reason: Removal of the 'Give Way' sign will eliminate 'right of way' confusion at the intersection.

T.33 – Beach Street, Woolgoolga - Short-term parking (R.508400 [1632781])

Consideration to a request for '10 minute' parking in Beach Street, Woolgoolga, adjacent the Post Office.

Recommended: that no action be taken to implement '10 minute' parking restrictions in Beach Street, Woolgoolga, adjacent the Post Office.

Reason: The existing One Hour parking restriction in Beach Street adequately services the Post Office and other business operations in Beach Street. Off street parking is also available at the rear of the Post Office.

T.34 – Beach Street, Woolgoolga - Triathlon (R.508400 / 1618 [1450196])

Consideration to a request for the temporary road closure of Beach Street, Woolgoolga, on Sunday, 14 October 2007 for the purpose of conducting the Woolgoolga Triathlon. The Triathlon starts at 7.00am and most competitors should be finished by 9.00am.

Recommended: that

- (a) the temporary road closure of Beach Street, Woolgoolga, between Bultitude and Carrington Streets, on Sunday, 14 October 2007 for the purpose of conducting the Woolgoolga Triathlon, commencing at 7.00am and finishing by 9.00am to be advertised and providing no substantive objections are received, the closure be approved.**
- (b) the organisers, Woolgoolga Athletic Club, to liaise with affected traders and obtain traders approval.**
- (c) the organisers be responsible for erection of traffic barriers and control of traffic using accredited traffic controllers.**

T.35 – Traffic Management Plan, Powderfinger & Silverchair (R.511410)

Consideration to a Traffic Management Plan for the Powderfinger & Silverchair concert to be held at the Coffs Harbour Showgrounds on 6 September 2007.

Recommended: that traffic management plans, including -

- All day parking restrictions on the Pacific Highway and Coff Street, Coffs Harbour.**
- A 40km/h speed restriction on the Pacific Highway, Coffs Harbour, between Marcia Street and Coff Street from 3.00pm to midnight.**
- Traffic control on the Pacific Highway from 3.00pm to midnight to control pedestrian access across the Pacific Highway at the Showground entrance.**

be approved for the Powderfinger and Silverchair concert at Coffs Harbour Showgrounds on Thursday 6 September 2007, as per plans numbered T.35.

Reason: The plan is a result of extensive consultation with Police and RTA and is required to promote safe and efficient access to and from the event.

T.36 – Harbour Drive, Coffs Harbour - Temporary Road Closure - Buskers Festival (Harbour Drive)

Consideration to the temporary road closure of Harbour Drive, Coffs Harbour, between Grafton Street and Gordon Street on Wednesday, 3 October 2007 between the hours of 7.00am and 5.00pm for the Coffs Harbour International Buskers & Comedy Festival.

Recommended: that :

- (a) the temporary road closure of Harbour Drive, Coffs Harbour, on Saturday, 3 October 2007, between 7.00am and 5.00pm for the purpose of holding the Coffs Harbour International Buskers & Comedy Festival, be advertised and providing no substantive objections are received, the closure be approved.**
- (b) the organisers (Streets Ahead) to liaise with affected traders and obtain traders approval.**
- (c) the organisers be responsible for erection of traffic barriers and control of traffic using accredited traffic controllers.**
- (d) the organisers be responsible for all costs associated with the temporary closure.**

T.37 – First Avenue, Sawtell - Temporary Road Closure - Buskers Festival (R.501520)

Consideration to the temporary road closure of First Avenue, Sawtell, between Boronia Street and Second Avenue on Saturday, 6 October 2007 between the hours of 10.00am and 5.00pm for the Coffs Harbour International Buskers & Comedy Festival.

Recommended: that :

- (a) the temporary road closure of First Avenue, Sawtell on Saturday, 6 October 2007, between 10.00am and 5.00pm for the purpose of holding the Coffs Harbour International Buskers & Comedy Festival, be advertised and providing no substantive objections are received, the closure be approved.**
- (b) the organisers (Streets Ahead) to liaise with affected traders and obtain traders approval.**
- (c) the organisers be responsible for erection of traffic barriers and control of traffic using accredited traffic controllers.**
- (d) the organisers be responsible for all costs associated with the temporary closure.**

T.38 - Temporary Road Closure - Coffs Coast Food & Wine Festival - Beach Street, Woolgoolga (R.508400 / 1618)

Consideration to the temporary road closure of Beach Street, Woolgoolga, between Nightingale and Wharf Streets on Saturday, 27 October 2007 between the hours of 7.00am and 12noon for the purpose of holding the Coffs Coast Food & Wine Festival.

Recommended: that

- (a) the temporary road closure of Beach Street, Woolgoolga, between Nightingale and Wharf Streets on Saturday, 27 October 2007, between 7.00am and 12.00noon for the purpose of holding the Coffs Coast Food and Wine Festival, be advertised and providing no substantive objections are received, the closure be approved.**
- (b) the organisers (Streets Ahead) to liaise with affected traders and obtain traders approval.**
- (c) the organisers be responsible for erection of traffic barriers and control of traffic using accredited traffic controllers.**
- (d) the organisers be responsible for all costs associated with the temporary closure.**

T.39 – HomeBase, Coffs Harbour - Bus Zones

Consideration to a request from Busways for a bus zone on the Pacific Highway at the HomeBase site.

Recommended: that :

- 1. the request from Busways for approval of a bus zone on the Pacific Highway adjacent 'Homebase' for a trial period of twelve months be referred to the RTA for consideration.**
- 2. Council write to Busways objecting to the elimination of timetabled bus route service to Mastracolas Road.**

Reason: Busways have eliminated the timetabled bus service to Mastracolas Road and are requesting a bus zone on the Highway as an alternative to service infrequent demand. If the Highway zone is not approved there will be no bus service to the Homebase / Mastracolas Road side of the Pacific Highway under the current bus timetable.

T.40 –Coffs Harbour CBD / Jetty Area Bus Zone Times (Bus Zones)

Consider a request from Busways for changes to bus zone times in the Coffs Harbour CBD and Jetty areas to cater for extended evening services on the new Busways timetable.

Recommended: that bus zone signposting in the Coffs Harbour CBD and Jetty areas be extended from 7.00am to 6.30pm to 7.00am to 8.30pm, as per Plan No. T.40.

Bus zone locations

- **Orlando Street, Coffs Harbour (opposite Ocean Gem apartments)**
- **Harbour Drive (adjacent Jetty Village car park)**

Reason: To cater for extended evening services on the new Busways timetable.

T.41 – St Francis Xavier School, Maldon Place, Woolgoolga - 40km/h School Zone (R.508700)

Consider a request from St Francis Xavier School for a 40km/h school zone on Maldon Place.

Recommended: that a 40km/h school zone on Maldon Place, Woolgoolga, be installed, as per Plan No. T.41.

Reason: Maldon Place meets the requirements for installation of a 40km/h school zone.

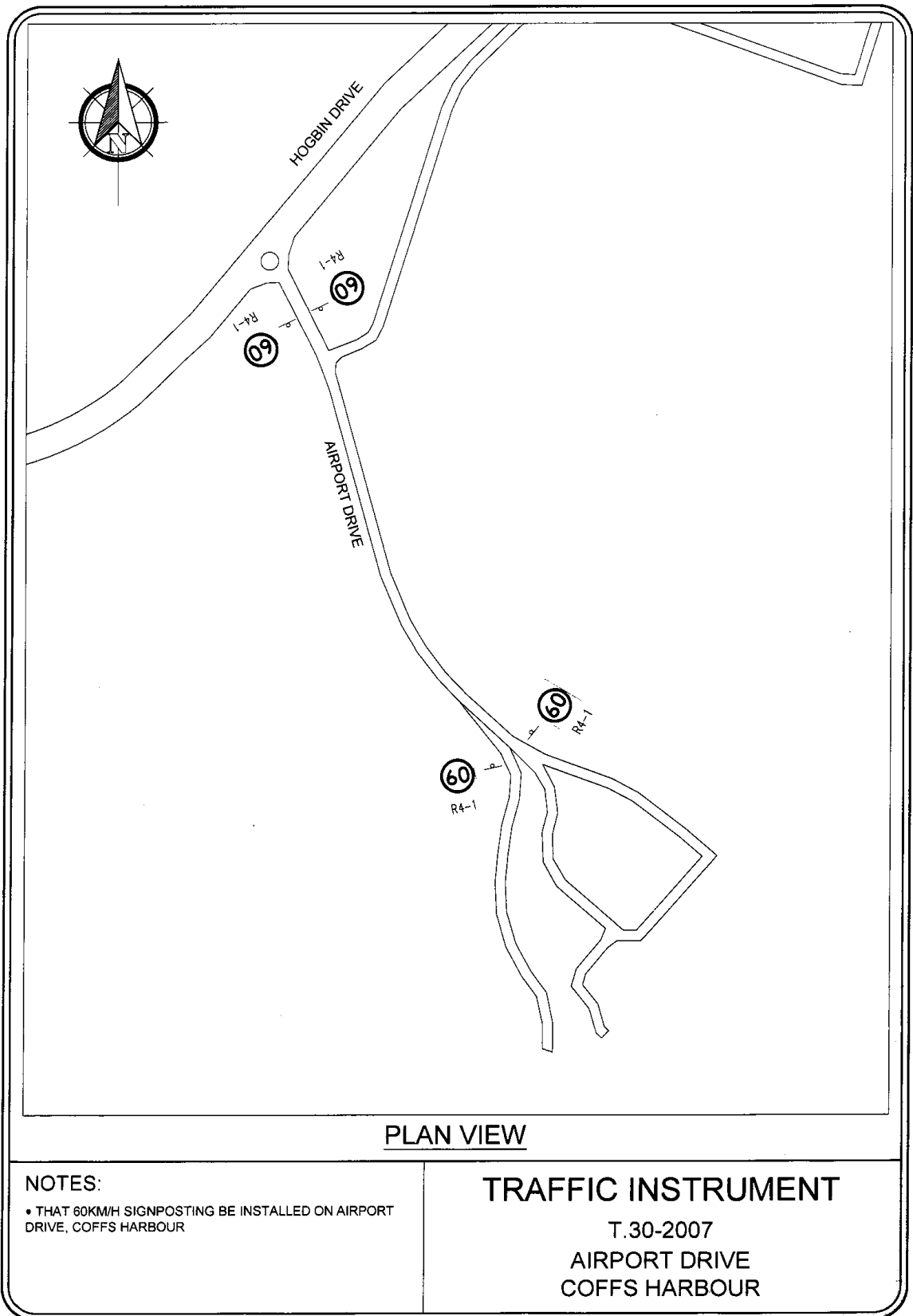
T.42 –Cavanba Road, Toormina - 'No Parking' zone (R.501250)

Consider a request for installation of a 'No Parking' zone for student pick up/drop off in Cavanba Road, Toormina, adjacent Toormina High School.

Recommended: that 'No Parking' signposting be installed in Cavanba Road, Toormina, adjacent Toormina High School, as per Plan No. T.42.

Reason: The 'No Parking' zone will provide for student pick up/drop off in Cavanba Road adjacent Toormina High School.

The meeting closed at 3.50pm.



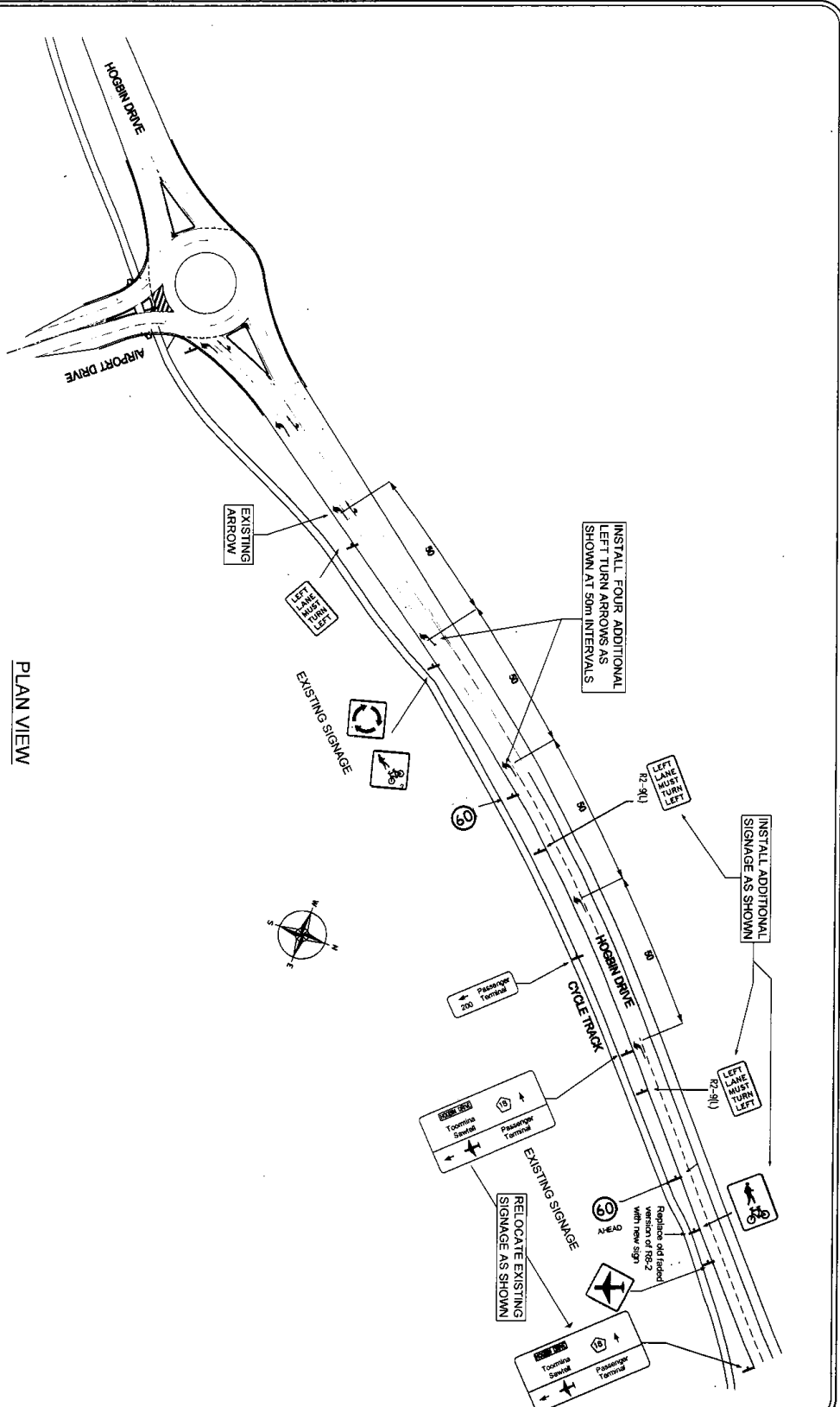
PLAN VIEW

NOTES:

- THAT 60KM/H SIGNPOSTING BE INSTALLED ON AIRPORT DRIVE, COFFS HARBOUR

TRAFFIC INSTRUMENT

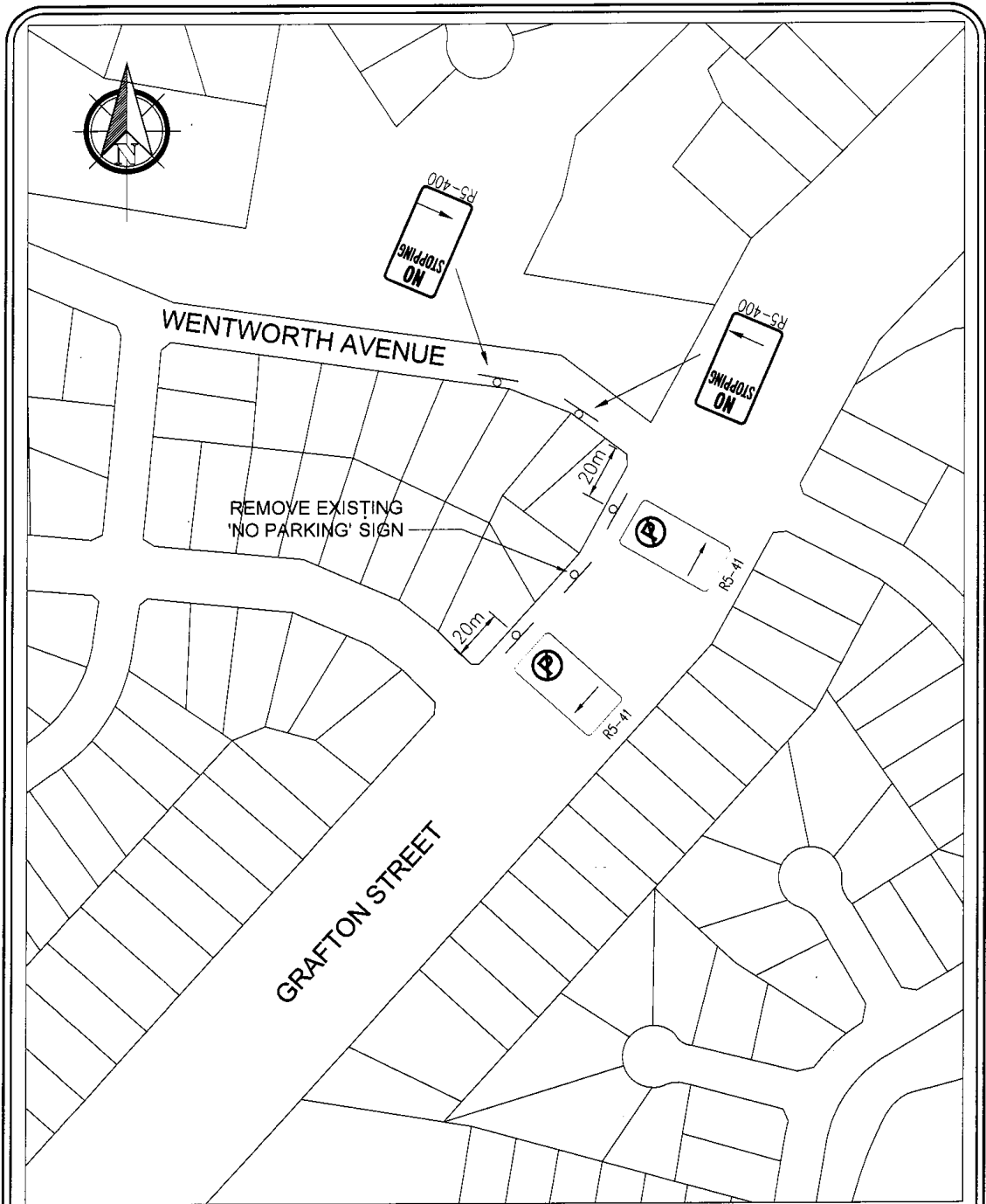
T.30-2007
 AIRPORT DRIVE
 COFFS HARBOUR



PLAN VIEW

NOTES:
 • ADDITIONAL SIGNPOSTING AND LANE MARKINGS BE INSTALLED ON HOGGIN DRIVE, COFFS HARBOUR, ON THE SOUTHBOUND APPROACH TO AIRPORT DRIVE ROUNDABOUT

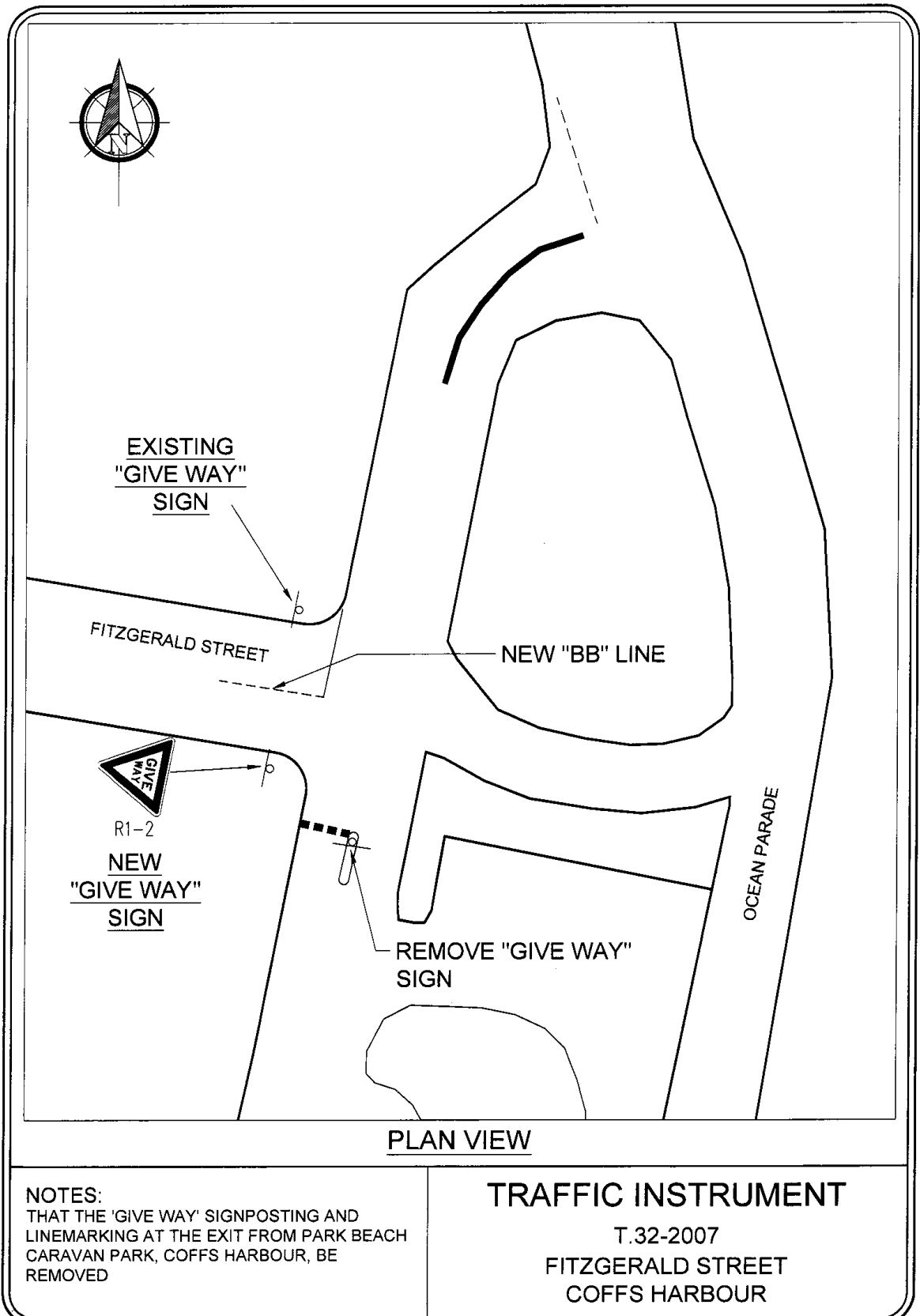
TRAFFIC INSTRUMENT
 T. 30A-2007
 AIRPORT DRIVE / HOGGIN DRIVE
 COFFS HARBOUR



PLAN VIEW

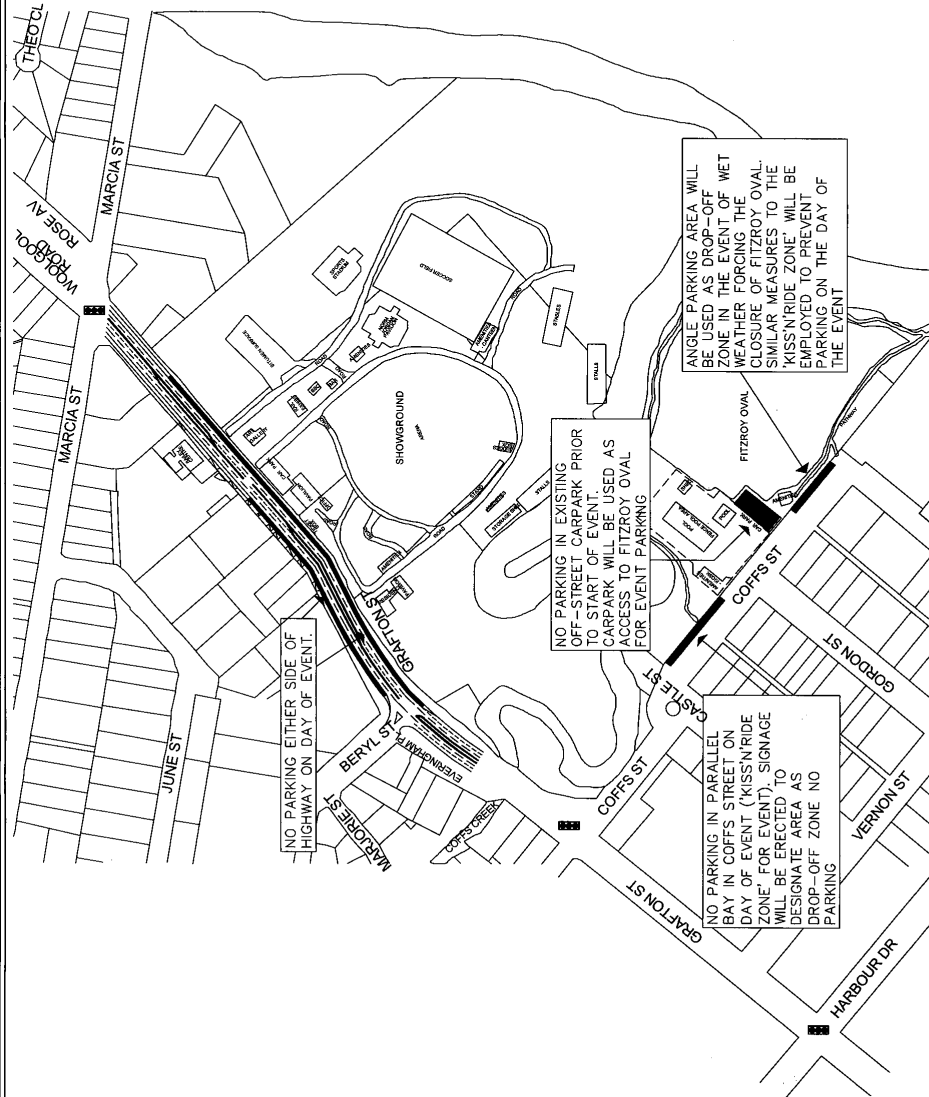
NOTES:
 THAT 'NO STOPPING' SIGNS BE INSTALLED IN
 WENTWORTH AVENUE, COFFS HARBOUR, AND
 'NO PARKING' SIGNS BE REMOVED FROM THE
 PACIFIC HIGHWAY, ON THE SOUTHERN SIDE OF
 WENTWORTH AVENUE

TRAFFIC INSTRUMENT
 T.31-2007
 GRAFTON ST. & WENTWORTH AVE.
 COFFS HARBOUR





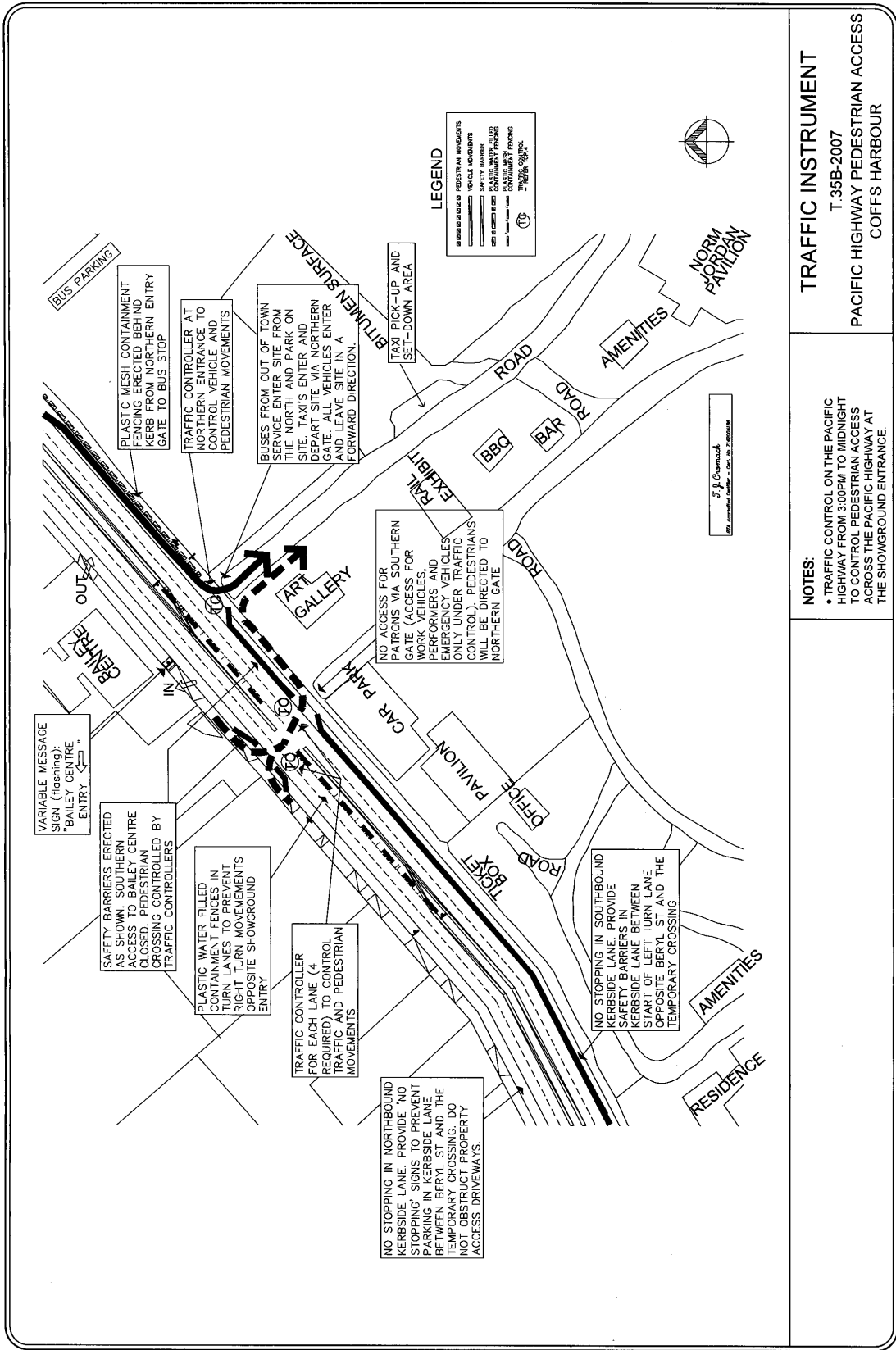
- NOTES:**
1. PARKING WILL BE PREVENTED IN THE HATCHED AREAS ON THE DAY OF THE EVENT TO IMPROVE THE CIRCULATION OF TRAFFIC IN THE AREA, TO IMPROVE SAFETY FOR PEDESTRIANS, AND TO REDUCE THE IMPACT OF THE INCREASED TRAFFIC.
 2. TEMPORARY DEVICES WILL BE ERECTED EARLY ON THE DAY OF THE EVENT TO PREVENT PARKING PRIOR TO THE INSTALLATION OF THE FINAL TRAFFIC MANAGEMENT DEVICES.
 3. FINAL TRAFFIC MANAGEMENT DEVICES WILL BE INSTALLED APPROX 1:00PM ON DAY OF EVENT, AND BE REMOVED AT APPROX. MIDNIGHT THE SAME DAY.
 4. THE TRAFFIC MANAGEMENT PLAN IS SUBJECT TO THE APPROVAL OF THE RTA AND THE NSW POLICE. OBTAINING THIS APPROVAL MAY NECESSITATE CHANGES TO THIS PARKING RESTRICTION PLAN.

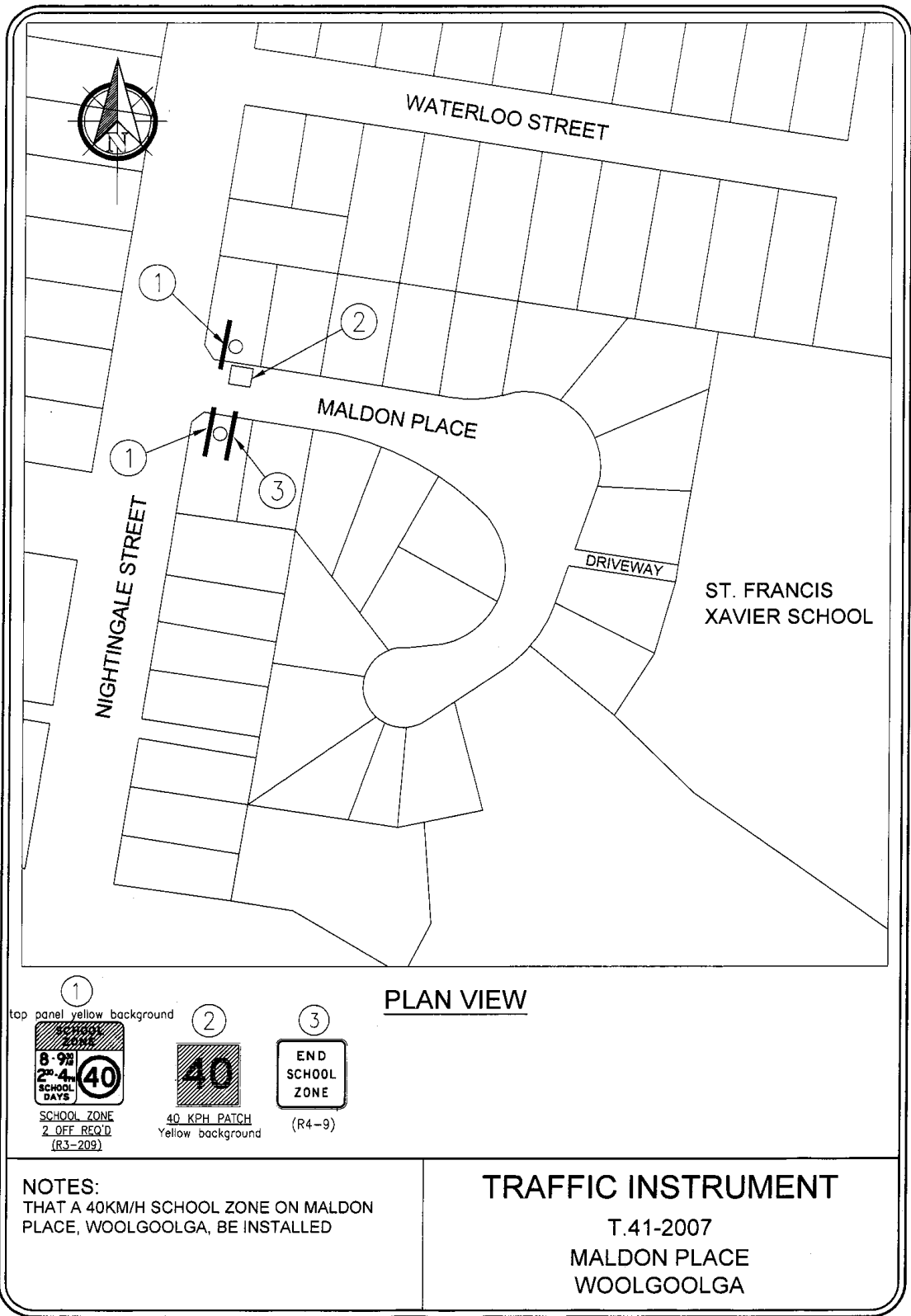


NOTES:

- ALL DAY PARKING RESTRICTIONS ON THE PACIFIC HIGHWAY AND COFFS STREET, COFFS HARBOUR

TRAFFIC INSTRUMENT
 T.35-2007
 PACIFIC HIGHWAY AND COFFS STREET
 COFFS HARBOUR





PLAN VIEW

① top panel yellow background

②

③

SCHOOL ZONE
2 OFF REQ'D
(R3-209)

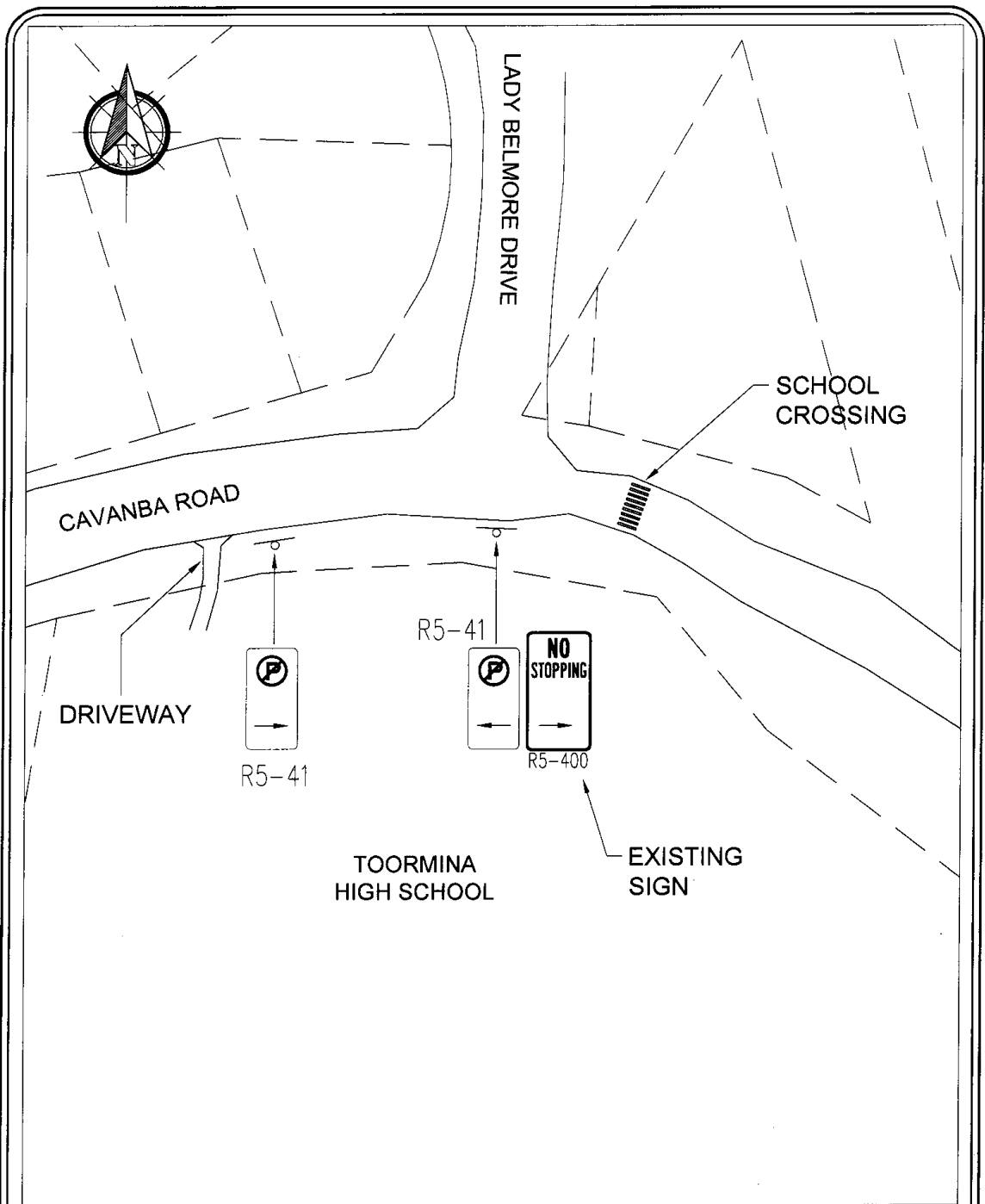
40 KPH PATCH
Yellow background

END
SCHOOL
ZONE
(R4-9)

NOTES:
THAT A 40KM/H SCHOOL ZONE ON MALDON PLACE, WOOLGOOLGA, BE INSTALLED

TRAFFIC INSTRUMENT

T.41-2007
MALDON PLACE
WOOLGOOLGA



PLAN VIEW

NOTES:
 THAT 'NO PARKING' SIGNPOSTING BE
 INSTALLED IN CAVANBA ROAD, TOORMINA,
 ADJACENT TOORMINA HIGH SCHOOL

TRAFFIC INSTRUMENT

T.42-2007
 CAVANBA RD.
 TOORMINA

S55 NORTHERN RIVERS CATCHMENT MANAGEMENT AUTHORITY - MEMORANDUM OF UNDERSTANDING

Purpose:

The purpose of this report is to gain approval to enter a Memorandum of Understanding between the Northern Rivers Catchment Management Authority and Coffs Harbour City Council.

Description of Item:

The role of Catchment Management Authorities (CMA's) is natural resource management. There are 13 CMA's in NSW with the Northern Rivers CMA covering the coastal catchments from Tweed to Hastings. The CMA's were established under the *Catchment Management Act 2003* as statutory authorities and their boards report directly to the Minister for Climate Change, Environment and Water.

The CMA's roll is to engage regional communities in the key natural resource management (NRM) issues facing their catchment. Among its functions are:

- Preparing a Catchment Action Plan (CAP) and associated investment strategies that integrate and enhance the catchment blueprints and the regional vegetation management plans.
- Assist landholders in natural resource management work that is in line with the CAP.
- Provide loans, grants, subsidies or other financial assistance for natural resource management.
- Providing all landholders with access to data and relevant information to prepare Property Vegetation Plans (PVPS).
- Allocating funds to support the development of PVPs - including incentives.
- Providing education and training on natural resource management, especially in vegetation management.

The CAP is a statutory, but non-regulatory, plan approved by the Minister. It is the central mechanism to prioritise and deliver natural resource management investments and outcomes for the CMA. It does this through:

- Identifying and providing long term direction to address natural resource management issues that adversely impact on the catchment and the future sustainable development of the region;
- Establish a clear direction for community-funded investments to repair and rehabilitate natural resources in the catchment that are under stress;
- Managing incentive programs to maximise environmental outcomes.

The objectives of the Memorandum of Understanding (MOU) are to facilitate the sustainable use and effective management of natural resources within the Northern Rivers CMA area by developing Local Government and CMA partnerships. A copy of the MOU can be found in attachments.

Cont'd

S55 Northern Rivers Catchment Management Authority - Memorandum of Understanding ...(Cont'd)

Sustainability Assessment:

- **Environment**

Satisfying the objectives of the MOU will improve the environment with long term direction and regionally significant strategies incorporated into local natural resource management projects targeting issues that adversely impact the catchment.

- **Social**

The MOU objectives will reinforce Council's and the CMA's roll as natural resource managers within the community and improve community wellbeing through a better and more sustainable environment.

- **Economic**

Broader Economic Implications

The MOU objectives will lead to improved natural resource management with funds directed at local and regionally strategic projects. The MOU will foster improved efficiency both economically and in project outcomes through better consistency, integration, knowledge and expertise sharing and cooperation between the CMA and Council.

Management Plan Implications

The signing of the MOU does not involve a commitment of funds. The objectives can be achieved by Council staff undertaking their normal duties. Thus no Management Plan implications.

Consultation:

The Northern Rivers Catchment Management Authority (NRCMA), through discussions with Councillor McKelvey and correspondence with Council, has raised the possibility of a formal understanding of cooperation in natural resource management. The CMA has funding available for implementation of natural resource management projects and is an important partner and funding source for Council in delivering strategies from Council's various Management Plans. The two organisations are working well together as reflected in achievements in coastal and riverine projects

The Local Government and Shires Association has been encouraging councils to have an overarching formal MOU. The NRCMA has signed documents with nearly all of the 19 councils in its area.

Issues:

The concept of the MOU is to put the intent of the cooperation between the organisations into words and signed off by the respective board and Council.

Cont'd

S55 Northern Rivers Catchment Management Authority - Memorandum of Understanding
...(Cont'd)

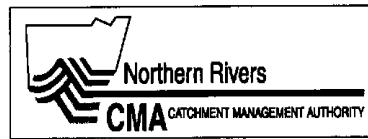
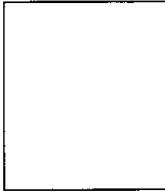
Implementation Date / Priority:

If Council agrees to sign the MOU then Council and the CMA can negotiate a signing date within the following month.

Recommendation:

That Council sign the Memorandum of Understanding between the Northern Rivers Catchment Management Authority and Coffs Harbour City Council.

Attachments:



Memorandum of Understanding

Between the Northern Rivers Catchment Management Authority and Coffs Harbour City Council

Natural Resource Management Partnership Objective

To facilitate the sustainable use and effective management of natural resources within the Northern Rivers Catchment Management Authority area, by developing Local Government and Catchment Management Authority (CMA) partnerships.

Coffs Harbour City Council (CHCC) and Northern Rivers Catchment Management Authority (NRCMA) commit to the following principles for a coordinated partnership approach to managing natural resources

Effective natural resource management and land use planning requires involvement from all key stakeholders in:

- Developing an agreed regional approach for the management of natural resources.
- Information sharing.
- Planning for investment and the delivery of on-ground works and capacity building activities.

A coordinated approach requires commitment from all stakeholders to regional natural resource management plans including Catchment Action Plans, Local Environmental Planning, vegetation and water sharing plans and other environmental planning instruments.

In time, it is anticipated that this will lead to a rationalisation of State of Environment reporting so that CMAs and local government are able to work together in consistent reporting on catchment-wide conditions and responses, amongst other measures.

CHCC and NRCMA are regional organisations with the desire to show leadership to the community in securing NRM outcomes.

Partnership Roles

Northern Rivers CMA contributes to this MOU by:

- Consulting with CHCC to develop a regional vision for the management of natural resources within the catchment and the Coffs Harbour local government landscape.
- Reviewing the strategic Catchment Action Plan that builds on existing expertise, knowledge and resources to ensure investment maximises high-quality NRM outcomes.
- Providing regional information in a form that is easily accessible by CHCC and key local stakeholders.
- Actively seeking new investment avenues and exploring innovative ways to increase the investment funds for natural resource management for partnerships between CHCC and the NRCMA.

- Coordinating the development of a continuing capacity building strategy that provides all participants involved in the new and evolving improved approaches to NRM with the necessary knowledge, skills and expertise to be able to play an effective role.

Coffs Harbour City Council contributes to this MOU by:

- Providing advice to the NRCMA on policy, strategy and actions relating to natural resource management in its area.
- Investigating new ways of building and strengthening local government involvement in natural resource management with the Northern Rivers CMA.
- Strengthening community understanding of NRM issues.
- Assisting with the distribution of information to the community on NRM issues.
- Developing project proposals that will achieve NRM outcomes.

Mechanism for achieving this partnership

- The signing of this document by both parties.
- Establish a direct working relationship with CHCC and the NRCMA.
- Establish, in consultation, an agreed communication and information sharing mechanism between CHCC and the NRCMA and the citizens of the Council area.
- Develop delivery procedures for carrying out joint projects.

Benefits

- Consistency and integration of regional NRM and local planning.
- A documented information sharing mechanism.
- Forum to identify and address local government and CMA issues relating to natural resource management.

This partnership agreement is based on a set of general principles, which define the roles of the parties. It seeks to achieve this aim by guiding and directing working relationships between CHCC and NRCMA in planning for, investing in, and adaptively reviewing progress towards sustainable natural resource management in the CHCC area.

This partnership agreement is for an initial term of 3 years from the date of execution by Northern Rivers Catchment Management Authority and Coffs Harbour City Council and is to be reviewed six months prior to expiration of this period to ensure consistency with contemporary NRM strategies and policies at that time.

Signatories

Coffs Harbour City Council

Northern Rivers Catchment
Management Authority

General Manager

General Manager

Mayor

Chair

Dated:

S56 FLOODPLAIN MANAGEMENT PROGRAM

Purpose:

Update of Council's Floodplain Management Program.

Description of Item:

In the Coffs Harbour LGA the Great Dividing Range passes very close to the coast. The proximity of the coastal ranges to the ocean determines that the coastal plain has no major river systems. Instead coastal waterways are characterised by numerous small creek systems, overall there are 16 major coastal creeks plus inland waterways the largest being the Orara River. The area experiences a high rainfall, averaging 1700mm annually, with most rain falling in late summer and early autumn. Landform exerts a strong influence on rainfall within the area. Higher rainfall occurs east of the coastal range, due to the orographic effect of moist maritime air rising over the land and can lead to high intensity storms. Due to the physical nature of these catchments, being relatively small in area, steep and subject to high rainfall intensities they experience what is termed 'flash flooding'. Flash flooding is often defined as flooding that peaks within six hours of the causative rain, thus it is sudden with little warning of its coming and is characterised by rapid rises of stream levels with elevated levels experienced for short periods of time.

There is a long history of flooding in Coffs Harbour LGA. Significant flood events have occurred in 1917, 1938, 1950, 1963, 1974, 1977, 1989 and 1991. However in November 1996, a natural disaster was declared when Coffs Harbour experienced major flash flooding with some 800 properties flood affected. The storm event caused inundation above floor level of over 250 residential properties and 210 commercial or public properties with 300 persons evacuated. This prompted Council to commission a revised Flood Study to further investigate the cause and severity of this flood. The review indicated that the magnitude of flood problems within the catchment was greater than had previously been understood. Council subsequently commissioned a Floodplain Risk Management Study to investigate and recommend measures to either manage or reduce flooding problems within the catchment.

The information contained in Flood Studies and Floodplain Risk Management Studies and Plans provides Council with sound information and data to use in developing strategic documents and planning controls. The advantages to both Council and the community in having the floodplain management studies and plans in place are: -

- Having a proper basis for managing and using flood prone land to provide a balance between danger to personal safety and economic losses due to flooding, and social, ecological and cultural interests;
- Optimising community infrastructure;
- Minimising personal danger to residents, visitors and emergency response personnel and community flood damage;
- Strategically assessing catchments so that the impacts of development on flooding and flooding on development can be effectively considered.

The following flood studies and plans have been completed since 1996:

- Northern Tributaries of Coffs Creek Flood Study, Nov 1997.
- Northern Tributaries of Coffs Creek Floodplain Management Study, Dec 1997.
- Northern Tributaries of Coffs Creek Floodplain Management Plan, Jul 1998.

Cont'd

S56 Floodplain Management Program ...(Cont'd)

- Bonville and Middle Creek Floodplain Management Study, May 1998.
- Moonee Creek Flood Study, Jun 1998.
- Bonville and Middle Creek, Floodplain Management Plan, July 1999.
- Coffs Creek Flood Study, May 2001.
- Coffs Creek Floodplain Risk Management Study, Oct 2005.
- Coffs Creek Floodplain Risk Management Plan, Sep 2006.

There remain numerous catchments and areas for which council has little or poor quality flood information. Council has assessed its priorities for these remaining catchments and taking into consideration existing and potential urban development and the nature of local flood problems has a program for preparing future flood studies and plans for the LGA. Council is currently working with consultants in the preparation of a Boambee–Newport’s Creek Flood Study.

The above management studies and plans have been developed following the guidelines in the State Governments ‘Floodplain Development Manual’. Council receives indemnity in relation to flood advice given and actions done provided it has followed the guidelines of the State Government's Manual in developing, adopting and implementing the Floodplain Risk Management Plans. Also by following the guidelines and registering the projects with the Floodplain Management Authority the projects will receive a ranking and may become eligible for grant funding from the State Government. Funding for flood mitigation projects is normally on a 2:1 (State : Council) basis.

The Floodplain Management Plans also recommend different capital works to mitigate flood impacts. Works that have been completed since 1996 include: -

- Jetty drainage works Stage 1 (\$306,000).
- Northern Tributaries of Coffs Creek detention basin, stream improvements and retaining wall flood levy (\$300,000).
- CBD drainage works stage 2 (\$1.1M).
- CBD drainage works stage 3 (\$1.2M).
- Middle Creek, Sawtell detention basin (\$75,000).
- Bakers Road Detention Basin, Coffs Creek catchment. This project is currently underway with the detailed design complete and land acquisition progressing. Construction is due to start within the next couple of months (Estimated cost \$2.3M though this may increase with detailed costing of final design and changes to land values for property acquisition).
- Jetty Drainage Stage 2, detailed design completed and grant funds available. Programmed to commence work later this year.

Note: CBD drainage works stage 1 were done prior to 1996.

Cont'd

S56 Floodplain Management Program ...(Cont'd)

The Bakers Road Detention Basin is the largest and most expensive of the proposed flood mitigation works with the basin being approximately 180m long and 6m high. The total estimated cost of the basin is \$2.3M. This comprises \$1.0M in estimated land acquisition costs. The basin reduces the peak 100-year flood flow from 46m³/s to 17m³/s downstream of the basin site. Flood level reductions of up to 0.2m are estimated to occur along the main creek, from Bakers Road to Grafton Street. Below Grafton Street the benefit gradually reduces as other catchments and factors influence flood behaviour. It is estimated that the proposed basin would reduce the number of residential homes inundated by the 100-year flood from 308 to 214 and reduce the number of inundated commercial buildings from 111 to 78. The total flood damage for the 100-year flood is estimated to reduce from \$28.3M to \$18.8M. The net present value of flood benefits (from all floods) is estimated at \$3.8M. This provides an attractive economic benefit/cost ratio of 1.7 even though the basin has relatively high capital cost. The total flood damage for the 100-year flood will be reduced even more by the construction of additional basins and mitigations works but the works will not eliminate damage costs for flood events.

As previously mentioned flood mitigation is managing and using flood prone land to provide a balance between danger to personal safety and economic losses due to flooding, and social, ecological and cultural interests. This is achieved through a combination of capital works plus strategic direction and planning controls for the flood prone land. The recommended flood mitigation measures from the Coffs Creek Floodplain Risk Management Plan are a mix of capital works, strategic directions and planning controls with the recommendations listed below with actions taken shown *in italics*: -

- Construction of up to four detention basins in the upper catchment (total estimated cost for all four basins, including land acquisition, \$8.5M). *As discussed above Council has funding and completed the design for the Bakers Road Detention Basin, the largest and most effective of the proposed basins. Construction of the basin is due to start shortly. Funding has been sought for the Upper Shephards Lane basin which is integrated into the development of West Coffs. The remaining two basins, Bennett's Road and Spagnolos Road may be impacted by the proposed highway deviation and will require further investigation.*
- Continued improvements to the Central Business District Drainage Scheme, which is the subject of separate investigations (costs not yet available). *Significant works have been carried out to improve CBD drainage. Additional investigations are planned to look at cost effective ways of fine tuning the drainage network to improve it further plus establish long term strategic goals such as re-establishing overland flow paths.*
- Implementation of planning and development controls, including amendments to the Coffs Harbour LEP, adoption of a new Flood Risk Management DCP or Flood Prone Land Information Sheet" and a review of other development control plans for consistency (no costs). *Detailed planning controls were developed as part of the Risk Management Plan that Council is now applying. Council is currently reviewing it's LEP and amendments are proposed to make it consistent with the new flooding controls. Council is reviewing its DCP's to ensure consistency with the new flooding controls with amendments proposed for the City Centre DCP.*
- Improved emergency management measures, including the update of the SES Local Flood Plan for Coffs Creek with information provided in the floodplain risk management study (no costs). *The SES has updated the Local Flood Plan with the assistance of Council. Council provided advice on the actions in the plan plus detailed maps of flood affected areas and background information for plan.*

Cont'd

S56 Floodplain Management Program ...(Cont'd)

- Review of the Loaders Lane levee, including further survey and investigation into extending the levee closer to Shephards Lane (estimated cost \$10,000). *The construction of the Baker's Road detention basin will alter flood levels and risk area mapping downstream of the basin. Council has sought funds to remodel the affected area with the proposed modelling being 2D which is a more accurate form of modelling than the existing model. The proposed modelling will include assessment of the Loaders Lane levee plus McCarthy Park – Naranga Gardens areas.*
- Further monitoring and assessment of any works proposed in the floodplain using the flood models developed during the Flood Study. *This relates to the above measure with the model being updated to reflect changes in the catchment or improved data availability.*
- Encourage flood proofing of individual buildings where there is a high potential for flood damage and/or the development of flood action plans to reduce potential risks and damages (costs borne by individuals). *The SES has developed a 'Business Flood Safe Plan' for Coffs Harbour which is a toolkit to help businesses reduce the risks of flooding to people, property and profits. The tool kit looks at ways businesses can be prepared for flood events including flood proofing the building and contents. The SES also have information that will help residential properties prepare for and flood proof their homes.*
- The development and implementation of a public awareness program, including the issue of flood certificates and the establishment of one or more flood markers in the catchment, preparation of an information sheet on flooding and an SES flood awareness brochure (estimated cost \$35,000). *An area has been created on Council's web page providing flood information. It includes recent flood studies and plans and maps of flood extents and risk areas as well as general information on flooding. As discussed above the SES have a 'Business Flood Safe Plan' for Coffs Harbour which was launched earlier this year with a business breakfast. The SES also have a lot of good general information on how to prepare for floods and what to do in floods available as brochures or that can be viewed on their web site .*
- Development of a vegetation management plan (estimated cost \$50,000) that provides a coordinated program of creek maintenance, including the removal of exotic vegetation and other debris from the creek corridor. *The issue of vegetation management in regard to flooding has been discussed with Council's Park staff to ensure that bush regeneration satisfies both riparian vegetation and flood mitigation goals.*
- Further survey/review (estimated cost \$10,000) of potential properties in the high flow corridor for possible inclusion in a voluntary purchase scheme (nominal allowance \$300,000). *The required investigation will be undertaken when resources become available.*
- Construction of a low-level floodway and other channel improvements adjacent to Ann Street (estimated cost \$200,000). *This measure only benefits a small number of properties, one of the lower priority measures to be undertaken if funds become available.*

Sustainability Assessment:

- **Environment**

Flood events, large and small, are natural occurrences. Development of the floodplain can alter flooding behaviour as can flood mitigation measures. Impacts on the environment due to flooding are investigated as part of Floodplain Risk Management Study and as part of their design of individual mitigation measures.

Cont'd

S56 Floodplain Management Program ...(Cont'd)

- **Social**

Large flood events can have a huge impact on the local community and on individuals affected by flooding. The 1996 event in Coffs Harbour was declared a natural disaster and with approximately 260 residential homes and 200 commercial buildings flooded. Events this large and destructive are very disruptive with peoples dwellings and personal belongs destroyed or damaged as well as local businesses suffering direct losses from destruction or damage to work places and stock plus loss of trade. People whose property isn't directly affected can be indirectly affected through loss of power and other services plus closure of schools and commercial areas.

- **Economic**

Broader Economic Implications

The 1996 flood event in Coffs Harbour had an estimated damages bill of over \$30 million and Statewide flooding causes the most damage annually of all the natural disasters. Thus locally and regionally flooding can have a very large impact on the local economy with many varied economic implications.

Management Plan Implications

Funds are allocated annually in Council's Management Plan for 'Stormwater and Flood Mitigation Projects'. The proposed flood mitigation works will be included in Council's five year rolling works program.

Consultation:

Council has a 'Floodplain Management Advisory Committee' consisting of Council staff, Councillors, community and State government representatives to advise on floodplain issue and assist in development of Floodplain Management Studies and Plans. Studies and plans are required to undergo community consultation including public exhibition.

Related Policy and / or Precedents:

Council has a 'Floodplain Development and Management' policy with the following aims:

- To minimise risk, both physical and economic, due to mainstream flooding;
- To minimise the effects of development on flooding in natural watercourses;
- To give developers clear guidelines for the requirements of particular developments on flood liable land.

Statutory Requirements:

Floodplain Risk Management Studies and Plans are prepared following the guidelines in the State Government's 'Floodplain Development Manual'. Council receives indemnity, in relation to flood advice given and actions done, under the provisions of Section 733 of the Local Government Act, 1993 provided it has followed the guidelines of the State Government's Manual in developing, adopting and implementing the Floodplain Risk Management Plans.

Cont'd

S56 Floodplain Management Program ...(Cont'd)

Issues:

Flood events have occurred regularly in the past and will occur in the future. The flood mitigation measures being undertaken by Council will not stop flooding occurring and do not provide 100% immunity for the community against flooding. The measures are aimed at reducing or minimising risk, both physical and economic, when flood events occur. To develop and implement measures Council requires detailed flood information which in turn requires funds and resources. Council requires flood studies and management plans for areas where we have poor or no information and existing models and plans will require revision or updating in the future with reasons for revision including:

- new rainfall or ground topography information becomes available;
- new floods occur which provide additional data from which to fine-tune the models;
- better computer models become available as the science of flood modelling improves and computer capabilities increase; or
- flood mitigation works may have been carried out, or development within the catchment may have occurred, that was not previously simulated in the models.

In developing Flood Studies Council works closely with the State Government. The State provides funding, normally 2:1, for the studies plus technical assistance in developing the models and satisfying the guidelines in the 'Floodplain Development Manual'. One of the areas that the State provides guidance are ocean levels for modelling. At present they have a 'Floodplain Management Guideline No: 5 Ocean Boundary Conditions' providing levels and scenarios for modelling including allowances for storm surge, elevated ocean levels and 'Green House' sea level rise. The issue of climate change and sea level rise has been the subject of recent debate and conjecture. The State recognises that these are important factors impacting on flooding and the coastal zone and is updating it's guidelines so that the impacts of climate change, elevated ocean levels, greenhouse impacts and the possibility of more intense rainfall events are all considered and modelled using the latest scientific data and estimates. The new guideline is currently in draft format and is being reviewed by the new Department of Environment and Climate Change. Recent information on climate change includes "Climate Change in the Northern Rivers Catchment" a document prepared for the NSW Government, funded through the CMA and done by the CSIRO.

Australia in European settlement terms is a young country meaning we have only a short history of flood level and rainfall data. In England they have over 500 years of recorded flood heights with recent events in some regions being the highest on record. The 1996 flood event in Coffs Harbour caused a lot of damage and had an enormous impact on the community. Large flood events will occur in the future and sections of the community will be at risk and suffer loss but these impacts will be minimised with good planning controls and mitigation measures in place. To ensure that Council has the appropriate planning controls and mitigation measures it is very important to maintain funding for 'Stormwater and Flood Mitigation Projects'.

Recommendation:

That the update information on Council's Floodplain Management Program be received and noted.

S57 COFFS HARBOUR WATER REPORT APRIL TO JUNE 2007

Purpose:

Information on maintenance, operation and construction activities for the three month period April to June 2007 for Coffs Harbour Water.

Description of Item:

In addition to the routine maintenance and operation activities, the following works were carried out:

1. Assisted construction gang with cut-ins on water mains renewal in Annandale Court, Boambee East.
2. One staff member attended dangerous goods handling training course.
3. Assisted construction gang with water main relocation and cut-ins on new bridge over Middle Creek, Sawtell.
4. Re-laid water main over new Camperdown Street Rail Bridge.
5. Two staff attended Backflow Prevention Device Testing Workshop.
6. Flushing of water mains carried out in all areas between 5 June and 22 June 2007.
7. New vacuum truck commenced operation 14 June 2006, 12 staff were trained in its operation. The vacuum truck has been successfully deployed on a variety of jobs such as, Coffs Infrastructure Alliance, the Bonville Bypass, sewerage operations, storm water operations and numerous infrastructure locations. Demand for the truck's services is increasing, proof of its success and efficiency.
8. One staff member Stop/Slow Road Safety Course.
9. Seven staff members attended Confined Space Entry refresher course.
10. 60 Year 4 students from St Francis Xavier School, Woolgoolga, toured Karangi Dam.
11. Woolgoolga High School Year 12 chemistry students - talk on water generally - environmental testing, water supply and wastewater treatment.
12. Review of Developer Charges guidelines - IPART Workshop attended.

1. Water Supply

		Apr	May	Jun	Quarter
1.	Total Consumption - Karangi Dam Supply (ML)	453	438	426	1318
2.	Average Daily Consumption (ML/d)	15.1	14.1	14.2	14.5
3.	Rainfall at Karangi Dam (mm)	62.5	51.2	125.7	239.4
4.	Karangi Dam (%) (end of month)	99.0	99.6	99.5	-
8.	Total Extraction from Cochranes Pool (ML)	46.3	58.7	75.3	180
5.	Inflow from Regional Water Supply pipeline (ML)	395.8	424.5	328.3	1149
6.	Orara River flow d/stream of P/S (ML/d) (end of month)	91.5	37.8	82.7	-
7.	Nymboida River flow upstream of off take (ML/d) (end of month)	1171	452	607	-
9.	Total Karangi Dam Seepage (ML)	14.3	14.7	14.2	43.1
10.	Total Evaporation (ML) (average for month)	20	19	19	58
11.	Total Consumption Coramba (ML)	2.3	2.3	2.3	6.9
12.	Total Consumption Nana Glen (ML)	1.5	1.6	1.8	5.0

S57 Coffs Harbour Water Report April to June 2007 ... (Cont'd)

Notes:

1. The majority of flow from the Nymboida to Karangi Dam is through gravity which results in good power savings.
2. Refer to attachments for graphs relating to this data table.

Regional Water Supply

Leighton Construction are about half way through the construction of the Shannon Creek Dam and Access Road project (339,000 hours work).

The Coffe Dam is all the way across the valley and only has 5m to go to full height (RL 60, full height of dam RL83). Work is well underway with the spillway blasting and excavation, where they are down 10 metres. The final spillway cut will be 40m deep at the highest point.

Work has started on the intake tower and piling is starting for the pump station.

Grouting is still progressing slowly with a large amount of grout being used in the centre of the core trench. The recent rains have resulted in about one week's delay, with 40m³/s or 3500ML/d passing through the diversion pipes.

2. Sewerage/Reclaimed Water

In addition to the routine maintenance and operation activities, the following works were carried out:

1. Electrical Safety Induction Course for all water and sewerage staff.
2. Staff attended Confined Spaces Refresher Course.
3. Generators used regularly for planned and unplanned power outage.
4. Coffs Creek Bridge, major repair conducted on reclaimed water main.
5. Addressed odour problem at Arrawarra pump stations.

Below is a breakdown of the effluent reuse meters read throughout the reclaimed water reticulation system. Volumes shown are in kilolitres.

EFFLUENT VOLUMES (kL) - April to June 2007

		% Reuse	Total Effluent	Effluent Reused	Effluent Disposed	Rainfall
April	Coffs Harbour	6%	253,775	14,882	238,893	81
	Sawtell	1%	100,814	1,373	99,441	44
	Woolgoolga Moonee	28%	68,051	19,104	48,947	52
	Corindi Beach	160%	4,126	6,610	6,610	73
	Monthly Total	10%	426,766	41,969	393,891	
May	Coffs Harbour	3%	263,729	6,779	256,950	58
	Sawtell	1%	103,364	1,545	101,819	98
	Woolgoolga Moonee	5%	73,498	3,860	69,638	76
	Corindi Beach	166%	4,756	7,910	7,910	68
	Monthly Total	5%	445,347	20,094	436,317	

Cont'd

S57 Coffs Harbour Water Report April to June 2007(Cont'd)

June	Coffs Harbour	2%	319,740	6,378	313,362	207
	Sawtell	1%	116,431	691	115,740	180
	Woolgoolga Moonee	3%	101,835	3,479	98,356	124
	Corindi Beach	55%	6,386	3,500	3,500	177
	Monthly Total	3%	544,392	14,048	530,958	

REUSE USAGE BREAKDOWN (kL) - April to June 2007

	April	May	June	
COFFS HARBOUR WRP	1183	1331	650	
OVERHEAD FILL POINT	0	0	0	0
UNMETERED TRUCK FILL POINT	720	280	70	1070
SOUTHERN WRP FILL POINT	0	0	0	
PS 47 OVERHEAD FILL POINT	21	4	0	25
PS 47	828	777	580	2185
RSPCA	6	23	0	29
AIRPORT	33	0	0	33
RACE CLUB	4810	384	301	5495
UNIVERSITY	0	0	0	0
ADVOCATE PARK	529	20	4	553
HOCKEY FIELDS	0	0	0	0
MOTO X	0	87	294	381
STADIUM	327	80	147	554
FLUSHING POINT (STADIUM)	1542	1504	1400	4446
GOLF CLUB	0	0	1750	1750
CITY HILL	0	0	62	62
STADIUM DAM	1502	0	0	1502
STADIUM DR - fruit trees	2459	122	574	3155
REX HARD. OVAL	0	843	0	843
SAWTELL RUGBY UNION	0	680	0	680
SAWTELL NURSERY	166	48	15	229
SAWTELL ROUNDABOUT (BARCOO)	756	596	531	1883
JOHN PAUL COLLEGE	0	0	0	0
LEIGHTONS	0	0	0	0
TOTAL COFFS HARBOUR WRP	14882	6779	6378	28039
SAWTELL WRP	604	127	9	
SAWTELL BOWLING CLUB	289	10	0	299
CROQUET CLUB	185	60	21	266
CHINAMANS CK P/S	208	836	661	1705
SAWTELL GOLF CLUB	87	512	0	599
TOTAL SAWTELL WRP	1373	1545	691	3609
WOOLGOOLGA WRP				0
HIGH ST PLAYING FIELDS	4266	94	0	4360
GRAHAM DR - tomatoes	76	29	37	142
MORGANS RD - cut flowers	14	5	0	19
UNWINS RD (TOP) - bananas	619	80	70	769
UNWINS RD (BOTTOM) - bananas	304	0	0	304
CONDONS RD - bananas & avocados	4501	0	0	4501

Cont'd

S57 Coffs Harbour Water Report April to June 2007(Cont'd)

CONDONS RD - bananas & blueberries	449	451	238	1138
CONDONS RD - avocados	0	0	0	0
HOLLOWAYS RD - bananas & blueberries	0	0	0	0
MORGANS RD - tomatoes & cucumbers	0	0	0	0
MORGANS RD - tomatoes & cucumbers	0	0	0	0
TANKER FARM 1	3	2	0	5
GRAHAM DR - bananas	0	1	0	1
MORGANS FARM 1	199	227	0	426
MORGANS FARM 2	4133	865	2005	7003
MORGANS RD - bananas & blueberries	103	53	25	181
NEW (MORGANS)	1430	1018	623	3071
PACIFIC H/WAY - macadamia nuts	0	0	0	0
PACIFIC H/WAY - 25mm	139	65	20	224
PACIFIC H/WAY - 50mm	0	1	0	1
MORGANS RD	722	321	152	1195
CONDONS RD	0	0	0	0
MORGANS RD	0	1	0	1
MORGANS RD	0	0	0	0
HOLLAWAYS		0	0	0
HOLLAWAYS	555	282	8	845
CONDONS RD	0	0	0	0
CONDONS RD	0	0	0	0
PACIFIC HWY	8	0	0	8
PACIFIC HWY	0	0	0	0
PACIFIC HWY	0	0	0	0
WESTERN FARM BOUNDARY	658	236	228	1122
WESTERN FARM BOUNDARY	385	50	29	464
WESTERN FARM BOUNDARY	540	79	44	663
TOTAL WOOLGOOLGA WRP	19104	3860	3479	26443
CORINDI WRP				
ARABLE	250	0	10	260
PASTURE	6360	7910	3490	17760
TOTAL CORINDI WRP	6610	7910	3500	18020

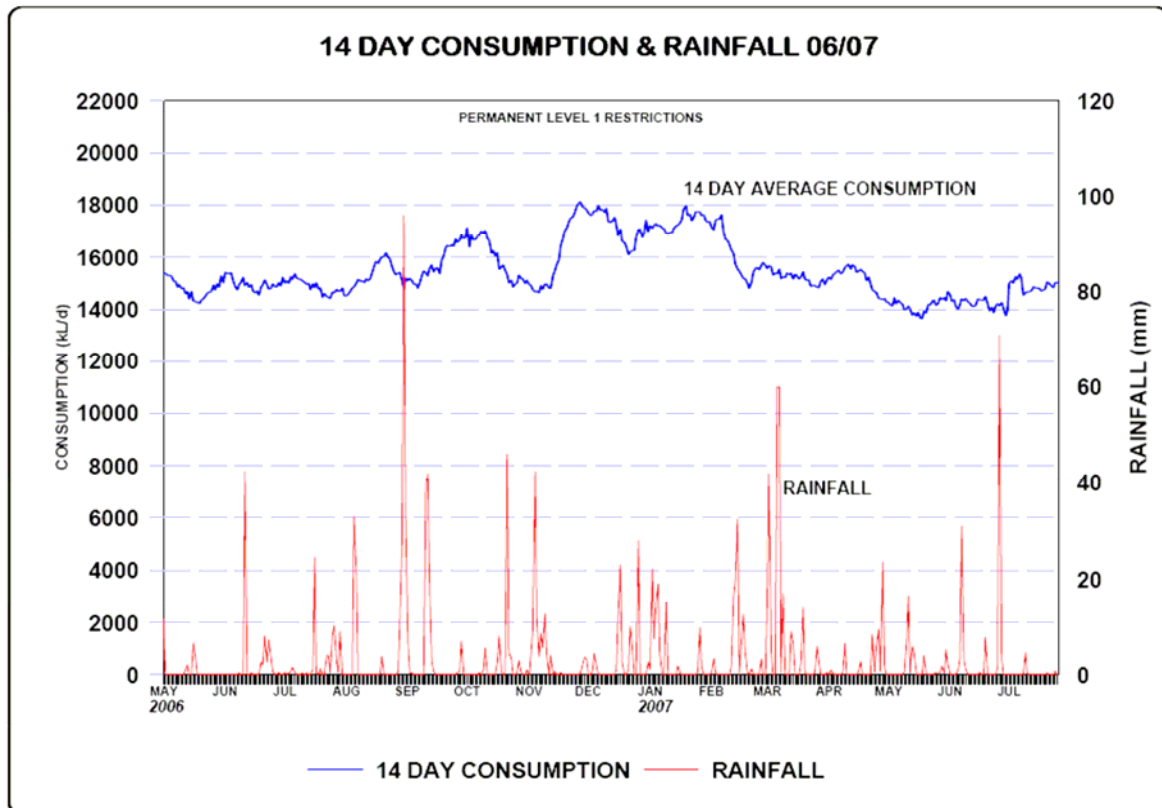
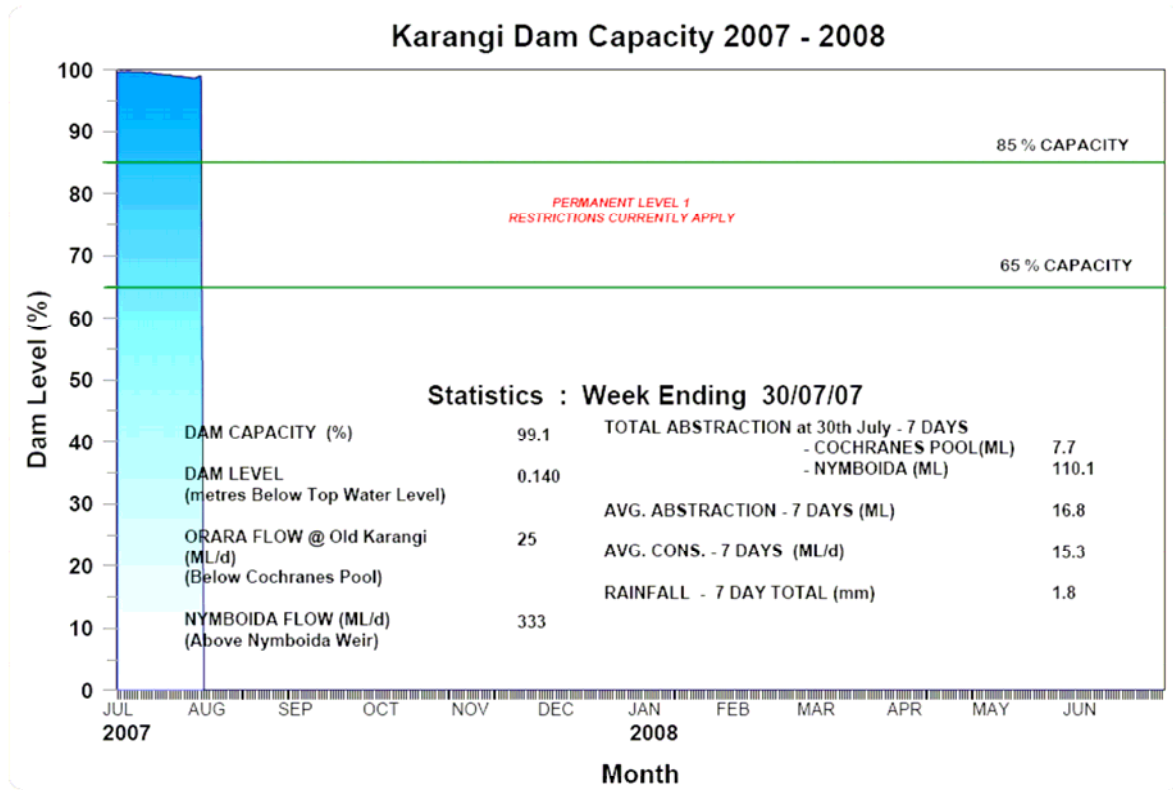
3. Capital Works

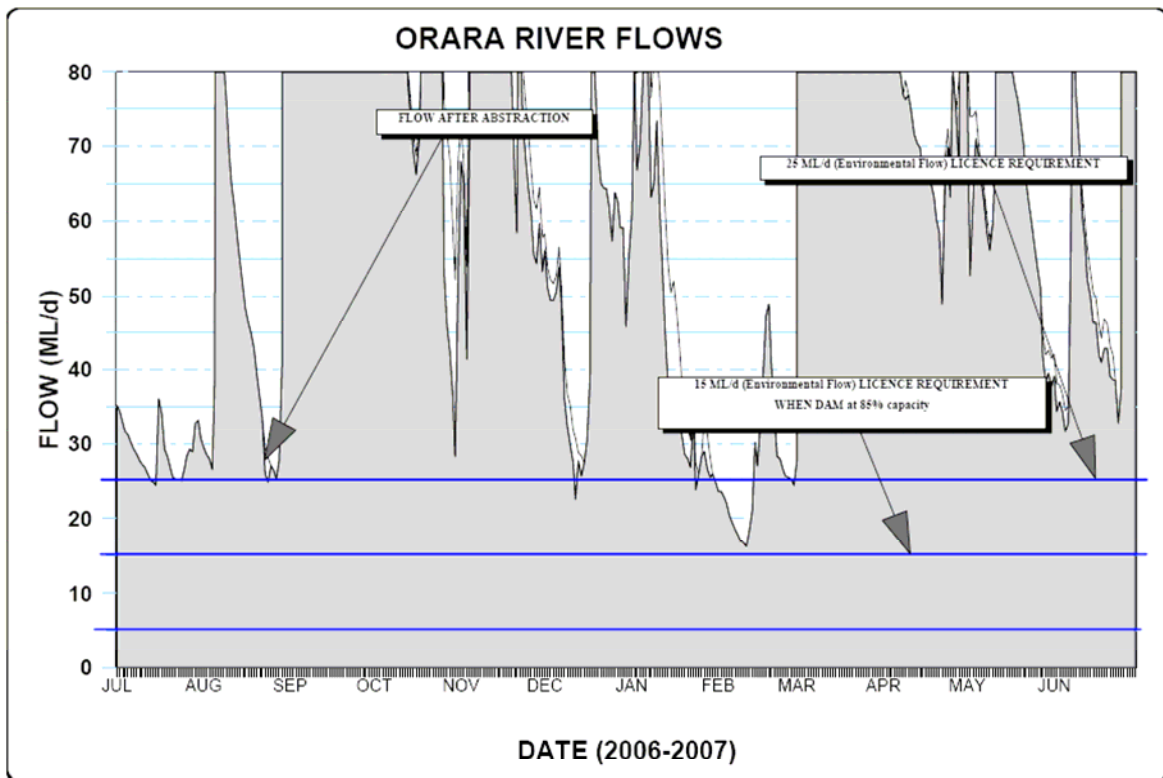
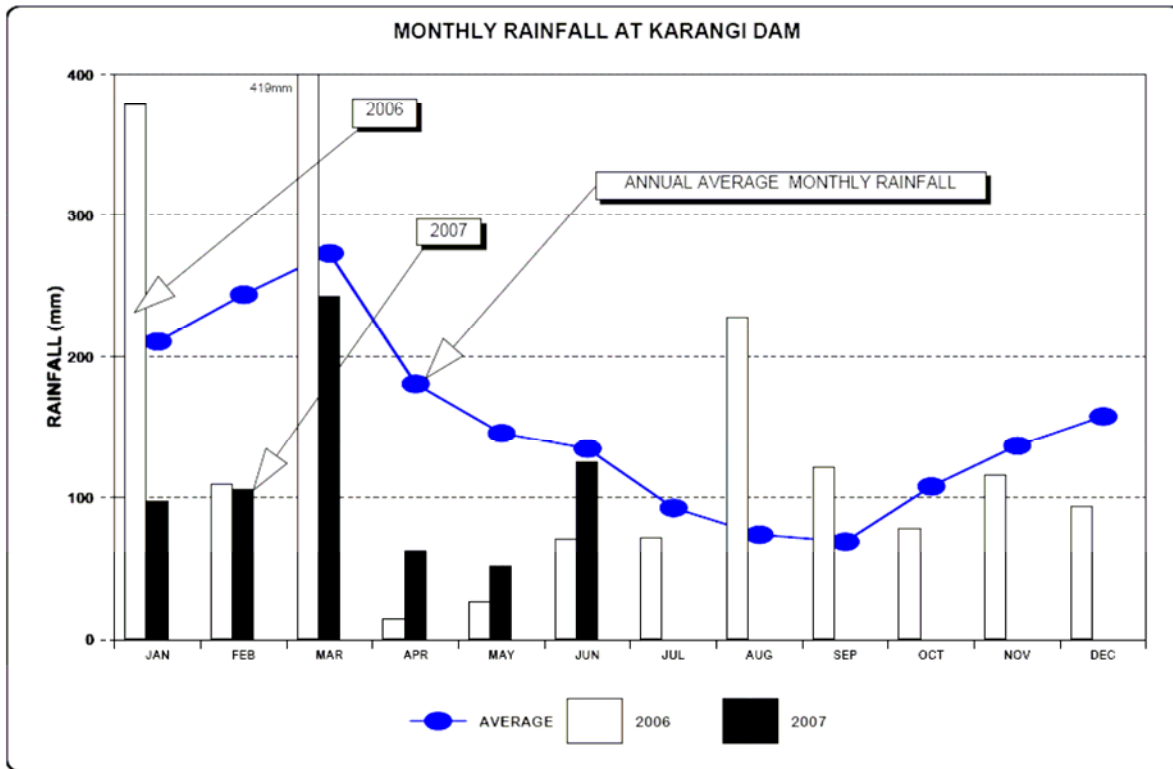
- 25m of 100dia water main extension from Meadow View close to Annandale Cr.
- Relocation of 100 dia reuse main at Lyons Road/Bayldon Road Sawtell and cut in of new stop valves to existing water main near Bowling Club and relocation of water service connection to amenities block at Corner of First Avenue and Boronia Street as part of the Middle Creek bridge reconstruction.
- Connection of 40 dia reclaimed water service to Nana Lane Depot for truck wash bay.
- Connection of 100mm dia reclaimed water service to Coffs WRP new construction site for dust suppression and hydrostatic testing of structures associated with Coffs Infrastructure Alliance project.
- Connection of 50mm dia reclaimed water service to new development site at North Sapphire Beach Estate for flushing of new sewage pump station and sewer rising main.
- CCTV inspection of Arrawarra/Mullaway gravity sewer main (approx. 12km) by Namits Pty Ltd.

Recommendation:

- 1. That the report on Coffs Harbour Water maintenance, operation and construction activities for the three month period April to June 2007 be noted.**
- 2. That the average daily consumption for the June quarter of 14.5 ML/day, total extraction for the quarter from Cochranes Pool of 180 ML, total inflow to Karangi Dam from Regional Water Supply P/L of 1149 ML, total consumption for the quarter of 1318 ML and Karangi Dam storage level of 99.3% on 31 July 2007 be noted.**

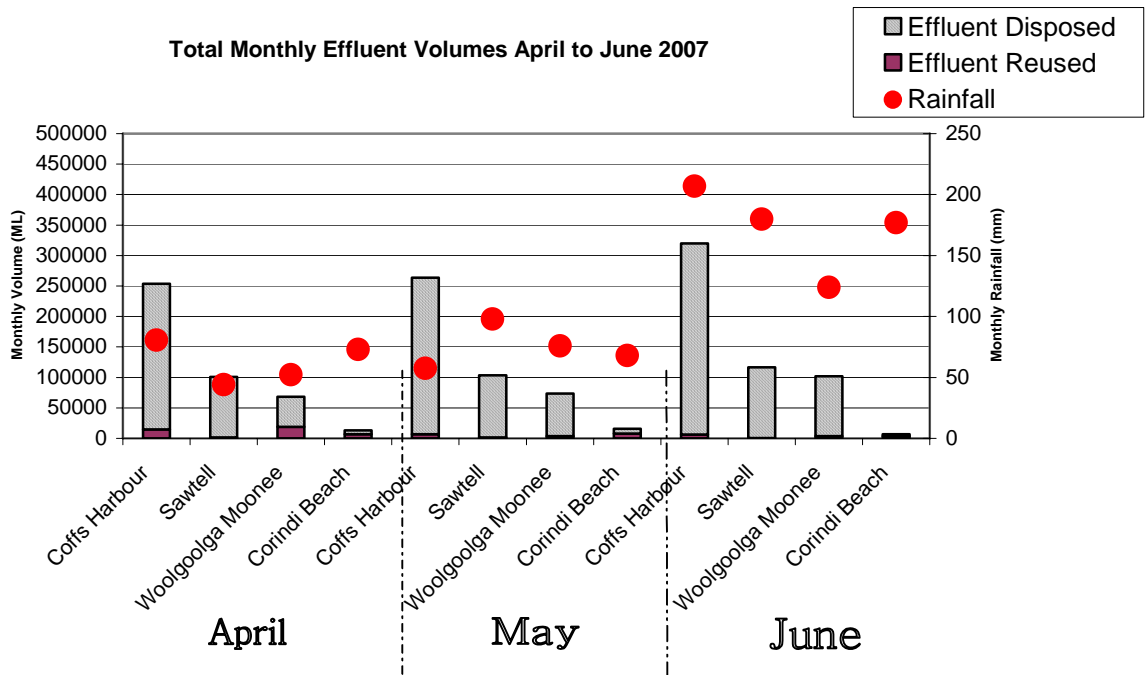
Attachments:





RAINFALL AT KARANGI DAM

MONTH	AVG	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
JANUARY	211	161	385	164	62	237	174	147	57	18	284	290	379	98
FEBRUARY	244	413	157	206	160	255	78	413	266	394	110	98	110	106
MARCH	273	381	221	138	107	219	152	755	297	258	368	61	419	243
APRIL	181	64	102	25	166	319	145	155	71	108	60	87	14	63
MAY	146	183	786	154	28	161	136	103	39	203	16	113	26	51
JUNE	135	42	75	38	30	269	43	8	47	63	19	26	71	126
JULY	93	8	76	32	60	364	11	73	4	13	41	70	71	
AUGUST	74	12	60	8	209	102	56	21	137	6	15	9	228	
SEPTEMBER	69	34	30	52	131	89	13	32	6	3	63	88	122	
OCTOBER	108	73	38	93	34	65	100	26	31	79	270	224	78	
NOVEMBER	137	263	339	190	240	108	323	129	41	84	107	192	116	
DECEMBER	158	128	101	60	101	123	131	28	68	107	96	133	94	
TOTAL YEAR	1829	1760	2370	1159	1329	2312	1363	1849	1064	1337	1448	1581	1727	686



S58 OPERATIONS BRANCH REPORT

Purpose:

To advise Council of the progress of construction and maintenance programs undertaken by Operations Branch – Asset Construction, Maintenance and Recreational Services up to 24 August, 2007.

Description of Item:

1. Completed Works to 24 August 2007

- Blackspots Road Safety Works, Coramba Road Red Hill to Karangi Blackspots (culvert extensions, shoulder widening, cutting widening and safety barrier installation at selected high risk sections along 2km of road).
- Bridgeworks Middle Creek Sawtell Bridge replacement and approach roadworks
- Hogbin Drive Stage 2 Harbour Drive pavement at Barrie Street intersection.

2. Works Continuing or Planned for Commencement - September 2007

- Hogbin Drive Stage 2 Harbour Drive to Coffs Creek, (76% complete).
Coffs Creek to Orlando St, (24% complete).
- Regional Road Rehabilitation - Lyons Road Sawtell Stage 2, Bayldon Road intersection (pavement 1400m², kerb and gutter 850m). Work halted due to discovery of Aboriginal Artifacts. Community consultation process in progress. (2% complete.)
- Footpaths/Cycleways Gordon/Vernon Street footpath. Concrete footpath, relay pavers (NE side), remove garden boxes, concrete pavement has been completed and landscaping to be commenced 27/8/07. (85% complete.)
- Bridgeworks Coral Street, Corindi Bridge construction. (30% complete.)
- Stormwater Mitigation Project - Jetty Lane drainage improvements (Pavement 420m², kerb and gutter 70m, storm water drainage 138m), (28% complete).
- Community Facilities Program - Jetty Strip improvements. Six decks replaced and garden walls painted. Minor drainage works and concrete footpath replacement to be completed (250m²). (60% complete.)
Market Street Woolgoolga. House demolition and car park extension. (45% complete.)
- Sewer and Water Arrawarra / Corindi Watermain (1380m 150mm / 200mm dia watermain and 1620m 150mm dia reuse) (74% complete)
Water Treatment Plant. Karangi Road road entry earthworks. (Design and estimate complete.)

Cont'd

S58 Operations Branch Report ...(Cont'd)

- PAMPS Intersection Hogbin Drive and Sawtell Road. Median, pram ramps and minor footpath work (25m) completed. Line marking to alter Northbound traffic entering the roundabout from Toormina Road to be completed. (85% complete.)

Attached for Council's information is a summary of expenditure verses budget for the 2007/08 Capital Works Program.

Asset Maintenance Report

- CBD Maintenance Contract extended to 30th September 2007. Tenders for the new contract will close 11th September 2007.
- Planning and preliminary investigations for the replacement of Coldwater Creek Bridge on the Coramba Road at Nana Glen as well as the reconstruction of the Tallawudjah Creek bridge for the Glenreagh Mountain Railway.
- Coral St Bridge Corindi, preliminary works have commenced. Retaining walls for either abutment are currently being constructed. Piling works within the abutments to be completed next week. Rain has caused delays to the program.
- Sissons Bridge on Moleton Road recently failed following a Council water truck traversing the bridge. The bridge was nominated on Council's bridge replacement program for 2009/10. The bridge had a condition rating of 4.0/5. Moleton Road is a loop road on which residents are able to gain alternate access. The bridge is to be replaced once resources are available to undertake the works.

Recreational Services Report

- Repair Hills Beach stairway, 90% completed.
- Drainage work at Morgans Road tree farm Stage 1, completed.
- Fibre optic cable work for IT has been confirmed, new trenching attachment for tractor purchased in July 2007.
- Bray Street - concrete footpath almost completed by WFD group 97%.
- Viewing platform and ramp at Parks Beach, 80% completed.
- Aerial spraying carried out for Bitou control in coastal areas at Boambee Headland and Corindi in July 2007.
- Charlesworth Bay to Diggers Beach Walkway - Green Corp project has been commenced, 20%.

Recommendation:

That Council:

1. **Notes the progress report on asset construction, maintenance and recreational services works undertaken by Operations Branch up to 24 August, 2007.**
2. **Notes the individual program expenditures are being monitored and are generally within the allocated 2007/2008 budgets.**

Attachments:

**OPERATIONS BRANCH
Capital Projects Budget/Expenditure
2007/2008 Program**

AS AT DATE: 24-Aug-07

Program Description	Original Budget	Revised Budget	2007/2008 Expenditure	% Project Complete	% Costs Expended
Local Roads					
Sealed Roads Reseals	\$663,000	\$663,000	\$0	0%	0%
Sealed Roads Reseals - Asphalt	\$85,500	\$85,500	\$0	0%	0%
Sealed Roads Rehabilitation (Note 3)	\$979,000	\$979,000	\$0	0%	0%
Dust Sealing	\$170,000	\$170,000	\$0	0%	0%
Unsealed Roads Gravel Resheeting	\$195,500	\$195,500	\$0	0%	0%
Total:	\$2,093,000	\$2,093,000	\$0		

Federal Roads to Recovery					
Residential Street Rehabilitation	\$52,500	\$52,500	\$0	0%	0%
Gravel Resheeting	\$205,000	\$205,000	\$0	0%	0%
Sealed Roads Reseals	\$198,392	\$198,392	\$0	0%	0%
Bridges - Ulong Ck Bridge Ulong (Note 2)	\$292,500	\$292,500	\$0	0%	0%
Blackspot contribution - Bucca Rd Stage 2 (Note 2)	\$20,000	\$20,000	\$20,000	100%	100%
Sub Total	\$768,392	\$768,392	\$0	0%	0%
Supplementary R2R Grant					
Bridges	\$200,000	\$200,000	\$0	0%	0%
Total:	\$968,392	\$968,392	\$0		

Regional Roads					
3 X 3 Program	\$131,000	\$131,000	\$18,575	8%	14%
Federal Blackspot Funding (Note 2)	\$300,000	\$300,000	\$731	0%	0%
Total:	\$431,000	\$431,000	\$19,306		

Drainage					
Drainage Impts / Nuisance Flooding	\$230,000	\$230,000	\$1,926	1%	1%
Stormwater Management Project	\$605,000	\$605,000	\$0	0%	0%
Total:	\$835,000	\$835,000	\$1,926		

Bridges					
Coral St Bridge Corindi	\$620,000	\$620,000	\$251,600	40%	41%
Coldwater Creek Bridge Nana Glen	\$450,000	\$450,000	\$16,454	4%	4%
England Rd Bridge Coffs Harbour	\$90,000	\$90,000	\$0	0%	0%
Ulong Bridge (Subject to RTA Funding \$292,500)	\$0	\$0	\$0	0%	0%
Total:	\$1,160,000	\$1,160,000	\$268,054		

Footpaths / Cycleways					
Footpath Construction	\$206,250	\$275,000	\$56	0%	0%
PAMPS Footpath Works	\$50,000	\$60,000	\$0	0%	0%
Cycleway Projects	\$0	\$50,000	\$0	0%	0%
Total:	\$256,250	\$385,000	\$56		

Community Facilities Program (Note 4)	Total Budget		Total Expenditure	% Project Complete	% Costs Expended
	Original	Revised			
Hogbin Drive Extension (Note 4)	\$15,000,000	\$16,682,104	\$13,113,836	80%	79%
Jetty Strip Improvements	\$100,000	\$100,000	\$24,939	25%	25%
Jetty Structure Improvements	\$680,000	\$680,000	\$9,545	1%	1%
Woolgoolga Town Improvements	\$400,000	\$400,000	\$3,690	1%	1%
Woolgoolga Market St car park	\$180,000	\$180,000	\$49,835	30%	28%
Sawtell Headland Improvements	\$380,000	\$380,000	\$245	0%	0%
Sawtell Town Improvements	\$300,000	\$300,000	\$8,203	3%	3%
Nana Glen Improvements	\$235,000	\$235,000	\$3,549	2%	2%
Total:	\$17,275,000	\$18,957,104	\$13,213,842		

Notes

1. Adopted Expenditure considers Ledger costs and Site Job costs and includes committed costs where ledger values are adopted.
2. Multiple funding sources involved in Blackspot Projects. Costs have been broken down into fund sources for reporting purposes.
3. Local Roads Rehabilitation - Jobs at Park Beach Rd Coffs Harbour and Beach St Woolgoolga to be revoked.
4. Hogbin Drive costing extends over 3 years. FFC Bridge \$7,320,000 Roadworks \$9,362,194. Total estimated costs \$16,682,104 Planned completion in December 2007 (weather permitting).

S59 TENDER: NORTH SAPPHIRE TO MOONEE WATER & SEWER PIPELINES - CONTRACT NO. 06/07-309-TO

Purpose:

To report on tenders received for the construction of a water trunk main to service the northern beaches, and water and sewerage mains to service the North Sapphire Development area and to gain Council approval to accept the most advantageous conforming tender.

Description of Item:

Council's Water Supply Strategy necessitates the construction of an additional water trunk mains to service the Northern Beaches. The subject of this Contract is the construction of a water trunk main from the existing main at Sapphire, to Moonee Beach, and the connection to existing and future water supply infrastructure at Moonee. Concurrent with this work, mains also are to be constructed to supply water and sewerage services to private development on the northern side of Split Solitary Road, as identified in the Moonee Development Control Plan. The mains will extend through private properties via an existing easement and terminate at existing infrastructure south of the Moonee Supermarket. The works include the crossing of the Pacific Highway to connect to existing water infrastructure.

The work comprises the supply and delivery of all materials and the provision of all labour and plant necessary for the construction of the following:

- 1860 metres of 500mm diameter water trunk main.
- 720 metres of 300mm diameter water main.
- 810 metres of 225mm diameter sewer rising main and discharge structures.
- 210 metres of 225mm diameter gravity sewer main and structures.
- 520 metres of 450mm diameter and 200mm diameter water mains via an under bore across the Pacific Highway near MacCues Road.
- Approximately 112m of 375mm diameter water main.

Open tenders for the construction of the mains were called in local and capital city newspapers and closed at 3:30pm on Tuesday 3 July 2007.

Tenders were evaluated on the following criteria:

- Tender conformity and financial capacity of the Tenderer. These were hurdles to be satisfied before the Tenders could be considered further.
- Tender Price.
- Compliance and logic of Construction Program and Staging Plan.
- Experience and performance in similar works.
- OH & S Management systems and performance.

Cont'd

S59 Tender: North Sapphire to Moonee Water & Sewer Pipelines - Contract No. 06/07-309-TO(Cont'd)

Eight tenders were received from the following: -

1. AJ Pipelines and Construction P/L
2. Bob Chambers P/L
3. Eire Contractors P/L
4. Jayelle Pipelines P/L
5. J.K.Williams Contracting P/L
6. Kanal Constructions P/L
7. Malin Excavations P/L
8. Trazlbat P/L

A late tender was received from Infrastructure Constructions P/L but failed to meet the tender submission closing time.

Sustainability Assessment:

The North Sapphire development area is the subject of a Development Control Plan and Developer Contributions Plan that came into effect on 7 July 2005. Triple bottom line issues were addressed in the formulation of those Plans.

- **Environment**

The work is located in mostly cleared, open paddocks. A Review of Environmental Factors (REF) has been carried out and the pipelines will be constructed adjacent to existing pipelines where the ground has been disturbed previously. Potential acid sulphate soils have been identified in a geotechnical report. Environmental controls are to be implemented by the contractor to test and treat these soils and prevent sedimentation from reaching environmentally sensitive areas.

Noise and dust nuisances are required to be kept within statutory limits during the works.

There are no adverse long-term environmental impacts expected from the pipeline construction. The contractor is required to restore any temporary disturbances caused by the works.

The Aboriginal Land Council has been notified of the works and they have given approval for construction to proceed. Previous archaeological surveys of the pipeline route have been carried out and no objects of Aboriginal significance have been found along the pipeline.

The Department of Primary Industries has issued a work permit under Part 7 of the Fisheries Management Act 1994.

- **Social**

The provision of sewerage services has an obvious beneficial health impact on the community due to the controlled collection, treatment and discharge of wastewater.

The provision of a reliable potable water supply is necessary for the health of the community.

The provision of water and sewer services will promote the further development of the area.

Cont'd

S59 Tender: North Sapphire to Moonee Water & Sewer Pipelines - Contract No. 06/07-309-TO(Cont'd)

- **Economic**

Broader Economic Implications

The Contract includes the construction of sewer and water mains to service private development in the North Sapphire area. The Moonee DCP identifies that it is the developer's responsibility to extend water and sewer to Council's connection point. The amount in the Tender for this work is approximately \$254,000.

Council is in receipt of a Security Performance Bond from the developer in the amount of \$300,000, to cover these costs.

Management Plan Implications

Provision for this work has been made in Council's 2007/2008 Management Plan for Water Capital Works.

The tendered amounts are inclusive of GST, which is not a net cost to Council.

Related Policy and / or Precedents:

Tendering procedures were carried out in accordance with Council policy. Council's Tender Value Selection System was applied during the tender review process to determine the most advantageous offer. Council's policy is that the tender with the highest weighted score becomes the recommended tender.

Statutory Requirements:

The calling, receiving and reviewing of tenders was carried out in accordance with Part 7 Tendering of the Local Government (General) Regulations 2005.

Issues:

The highest scoring tender following the application of Council's Tender Value Selection System was submitted by Jayelle Pipelines P/L who is also the lowest priced tender.

Jayelle Pipelines P/L has successfully completed similar work on major pipelines for clients such as Mackay City Council and Barwon Water. The appropriate reference checks and financial checks have been carried out.

Tender details and evaluation are included in the attached confidential attachment.

Permits to Enter have been received from all but one landowner effected by this work. Negotiations are continuing with this landowner, with a resolution expected prior to construction. In the event that a resolution cannot be reached, Council will undertake the work under the powers authorised by the Local Government Act.

Implementation Date / Priority:

A contract can be awarded upon Council's resolution to accept a tender. The completion time for the contract is sixteen weeks with projected completion date in December 2007.

Cont'd

S59 Tender: North Sapphire to Moonee Water & Sewer Pipelines - Contract No. 06/07-309-TO(Cont'd)

Recommendation:

- 1. That Council accept the tender of Jayelle Pipelines P/L, ABN 68 493 519 517, for Contract No. 06/07-309-TO, North Sapphire to Moonee Water and Sewer Pipelines, for the lump sum amount of \$1,810,088.50 including GST on the basis that:**
 - a) The tender is the most advantageous tender following the application of Council's Tender Value Selection System**
 - b) The Tenderer has the necessary experience in similar works and his ability and performance are satisfactory**
 - c) The Tenderer's financial capacity is acceptable.**
- 2. That the contract documents be executed under the Seal of Council.**

S60 TENDER: SUPPLY AND IMPLEMENTATION OF AN INTEGRATED ASSET MANAGEMENT SYSTEM

Purpose:

To report on tenders received for the supply and implementation of an Integrated Asset Management System and to gain Council approval to accept a tender

Description of Item:

Council adopted the selective tendering method to procure an Asset Management System (AMS) whereby invitations to tender were made following public advertisements seeking expressions of interest.

In October 2006, Council resolved to accept expressions of interest from the following companies for the supply and implementation of an Integrated Asset Management System:

1. Hansen International Australasia Pty Ltd
2. Technology One
3. EMSolutions
4. Tolerro (Maximo)
5. InfoMaster

Subsequently, the five companies were invited to submit tenders and tenders for these services closed at 3:30pm on 13 March 2007.

During the tender period EMSolutions advised Council that they would not be submitting a tender for these works.

Five tenders were received as follows;

1. Hansen International Australasia Pty Ltd
2. InfoMaster
3. Technology One (Asset Lifecycle Management Pty Ltd)
4. Technology One
5. Tolerro (Maximo)

The tender submitted by Technology One (Asset Lifecycle Management Pty Ltd) was submitted on behalf of Asset Lifecycle Management Pty Ltd. This tender cannot be considered as Asset Lifecycle Management did not lodge an expression of interest and therefore were not invited to tender.

Sustainability Assessment:

- **Environment**

The Asset Management System will provide Council with a further tool to assist in managing risks (including environmental risks) associated with the management of its assets.

Cont'd

S60 Tender: Supply and Implementation of an Integrated Asset Management System ...(Cont'd)

The implementation and use of the AMS will involve the use and consumption of materials and energy typical of those currently being used by Council in its day-to-day activities. Over time, there is likely to be an increase in the resources required to run the AMS including additional staff and the associated materials and equipment. The increase in the use of resources which will result from the implementation of the AMS is considered insignificant.

- **Social**

Once implemented, the AMS will aid Council in the development of its long-term asset and financial management strategies. It will enable Council to better manage its assets and align the levels of service provided with the available resources. In the long term it is anticipated that through the use of the AMS and other tools, Council will be able to deliver its services to the community at sustainable levels of service.

- **Economic**

Broader Economic Implications

As mentioned, the AMS will aid Council in developing long-term asset and financial management strategies. These strategies will align the resources available to Council with the long-term, sustainable provision of services. As such Council assets will be managed in a sustainable manner and this will have long-term financial benefits.

Management Plan Implications

The costs associated with the supply and implementation of an Integrated Asset Management System are provided for in the current Management Plan (including a revote of funds from 2006/2007 Management Plan).

The initial implementation of the AMS will take up to 24 months. It is anticipated that during this time additional funds will be required for the completion of the project and the purchase of modules for advanced functionality.

It is also anticipated that once the system is operational, additional resources will be required to take advantage of the system's capabilities in managing the full range of Council assets. For example, resources are not currently available to implement the system in areas such as Buildings and Property. Additional technical staff will be required to cover these areas and these needs will be monitored as the implementation progresses.

In addition to these costs, the Asset Management System will require Council to enter into a maintenance agreement for on-going support and maintenance of the software. This cost will be in the order of \$30,000 per year.

Consultation:

A tender review team was established to undertake the evaluation of the tenders received for the AMS. The team included representation from across the following branches of Council; Finance, Information Technology, Works, Coffs Water and Asset Management. The team was established to ensure representation from the relevant areas of the organisation were involved in the decision making process. Each of the team members consulted with staff in their areas of expertise and interest.

Cont'd

S60 Tender: Supply and Implementation of an Integrated Asset Management System ...(Cont'd)

During the tender review period a number of tenderer interviews were held. These interviews enabled the review team to see demonstrations of the product offered by the tenderers and served as a forum to obtain further information from the tenderers regarding their intended solution. A large number of staff were involved in these interviews.

Following the tender interviews staff were given the opportunity to provide feedback to members of the evaluation team regarding the solutions presented. This feedback was taken into consideration by the review team in the tender review process.

For a number of the proposals received, the tenderers referees were contacted to discuss the proposed solution and seek information about how the product would serve the needs of Coffs Harbour City Council and their experiences with the implementation of the proposed solution.

In addition to speaking to referees, the tender evaluation team also visited a number of local government sites where the recommended system is being used (or about to be used). This gave the team the opportunity to see the solution being used in a number of different ways and to differing degrees and to aid in the assessment of the suitability of the solution for Council.

Related Policy and / or Precedents:

Tendering procedures were carried out in accordance with Council policy. Council's Tender Value Selection System was applied during the tender review process. Council's policy is that the tenderer with the highest weighted score becomes the recommended tenderer. Details of the tenders received and the evaluations are included in the Confidential attachment.

Statutory Requirements:

The calling, receiving and reviewing of tenders was carried out in accordance with the Local Government (General) Regulations 2005.

Clause 168 of the Local Government (General) Regulations 2005 (Part 7 Tendering) sets down the procedure for calling selective tenders.

Only those proponents who respond to the advertisement and are found to have the necessary experience and capacity to fulfill the requirements of the proposed contract are subsequently invited to tender for the work.

A tender was received from Technology One (Asset Lifecycle Management Pty Ltd) which was submitted on behalf of Asset Lifecycle Management Ltd. This tender cannot be considered as Asset Lifecycle Management Pty Ltd did not submit an expression of interest.

Issues:

The tenders received from InfoMaster and Technology One contained alternative tenders. Option 1 offered by InfoMaster included some advanced asset management tools and included a full range of consulting services associated with the implementation of the AMS. Option 2 does not include the full set of advanced asset management features and the level of consulting services provided is less than provided in Option 1.

Cont'd

S60 Tender: Supply and Implementation of an Integrated Asset Management System
...(Cont'd)

Both alternative tenders submitted by InfoMaster contained a mathematical error in the break down of the lump sum price. The tenderer has confirmed that the lump sum price provided in their tenders stands and that the cost associated with the error will be absorbed by the tenderer.

The options submitted by Technology One were two different software licence arrangements. Option 1 allows for a maximum of 20 concurrent users, while Option 2 is for a site licence whereby any number of users are able to access the system at any one time.

All tenders received were for lump sum prices, however in all cases part of the lump sum is made up of an estimated component. Typically, tenderers have estimated the consulting requirements for items relating to integration and the implementation of the AMS. These estimated requirements have then been incorporated into a lump sum price. The estimate allowances would be fully detailed and prices agreed to in a scoping study which would be carried out at the project inception.

Implementation Date / Priority:

A contract can be awarded upon Council's resolution to accept a tender.

The recommended tenderer has provided a preferred implementation strategy and a sample implementation plan. A phased implementation is proposed with the first step being to fully scope the project including the development of a detailed project timeline. It is anticipated that the implementation of the project will be complete in about 18-24 months depending on the available resources.

Recommendation:

That Council accept Option 2 of the tender submitted by InfoMaster for Contract No 06/07-274-TI Supply and Implementation of an Integrated Asset Management System on the basis that:

- 1. It is the most advantageous tender following the application of Council's Tender Value Selection System.**
- 2. The tenderer has the necessary experience in similar works and that the tenderer's ability and performance are satisfactory.**
- 3. The tenderer's financial references are satisfactory.**
- 4. That the contract documents be executed under the Seal of Council.**

Geoff Newton
Acting Director of City Services