5.1. PROPOSED DOUGLAS SHIRE PLANNING SCHEME AMENDMENT - LOCAL GOVERNMENT INFRASTRUCTURE PLAN

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DEPARTMENT Sustainable Communities

RECOMMENDATION

That Council resolves:

1. **To consider the submissions as raised in the Submission Review report and for each submission adopt the respective action as outlined in the Submission Review Report;**
2. **To note that the publicly exhibited proposed Local Government Infrastructure Plan included changes as required by the Minister's advice, received by letter dated 7 March 2018;**
3. **To not adopt any changes to the Local Government Infrastructure Plan, other than those as required by the Minister's advice, received by letter dated 7 March 2018, and amend the Local Government Infrastructure Plan Maps to delete the reference to "public notification issue only" and consider such amendment not to result in a significantly different version to that released for public notification;**
4. **To advise each submitter in writing about how Council has dealt with their submission, and also advise each submitter of part 10 below;**
5. **To appoint a pre-approved LGIP panel reviewer to undertake a second compliance check of the Local Government Infrastructure Plan, as required under the *Minister's Guidelines and Rules* under the *Planning Act 2016*, and provide the reviewer of all material as required under the *Minister's Guidelines and Rules*;**
6. **That on the receipt of the appointed Reviewer's Checklist and Statement, write to the Minister for State Development, Manufacturing, Infrastructure and Planning, seeking approval to adopt the proposed Local Government Infrastructure Plan and provide the Minister with the information as nominated under the *Minister's Rules and Guidelines*;**
7. **That on receipt of responding advice from the Minister, delegate to the Mayor and Chief Executive Officer, the decision under section 10, *Minister's Guidelines and Rules*, and sections 17-21 inclusive of the *Planning Act 2018*, to:**
    a. **Adopt the proposed Local Government Infrastructure Plan, subject to the conditions or requirements as nominated by the Minister, publish notices and undertake any further steps necessary for the adoption, including the decision to nominate a date of effect, or**
    b. **Not adopt the proposed Local Government Infrastructure Plan. Where a decision is made not to adopt the proposed Local Government Infrastructure Plan, a further report is to be provided to Council;**
8. **To adopt the following:**
    a. **Douglas Shire Council Infrastructure Charges Resolution 2018 made under sections 113 and 114 of the *Planning Act 2016*;**
    b. **The infrastructure charges for development are as the "Levied Charges" as listed in the LGIP Table 3.1.4 – Existing and projected residential dwellings, including nominated Levied Charges; and LGIP Tabled 3.1.4 – Existing and projected non-residential floor space, including nominated**

Levied Charges and have regard to the Priority Infrastructure Areas of the proposed Local Government Infrastructure Plan;

c. Delegate to the Chief Executive Officer the date from which the Adopted Infrastructure Charges will have effect, whereby the adopted charges are to read in conjunction with the adopted proposed Local Government Infrastructure Plan;

9. That other than specifically stated above, delegates authority to the Chief Executive Officer in accordance with the *Local Government Act 2009* and the *Planning Act 2016* to finalise any and all matters associated with the implementation of the above items.

10. That after the adoption of the Local Government Infrastructure Plan, require the preparation of a further report to amend the Local Government Infrastructure Plan and Planning Scheme to clarify existing infrastructure, consider the timing of the provision of future infrastructure, include consistency with current land zone types, clarify priority infrastructure areas (PIA) boundaries having regard to current approvals, a review of nominated charges and other pertinent matters as identified in undertaking the report.

EXECUTIVE SUMMARY

The Local Government Infrastructure Plan (LGIP) and the associated resolution that nominates charges will replace Council's current Adopted Infrastructure Charges Resolution (AICR) which is the current mechanism for collecting infrastructure charges in the Douglas Shire.

BACKGROUND

Under State Government planning legislation Council is required to prepare a Local Government Infrastructure Plan (LGIP). The LGIP is a section of the Council's Planning Scheme which identifies and outlines the type, size, location and cost of trunk infrastructure which is required to service the expected population and non-residential sector envisaged by the Planning Scheme.

At the Ordinary Council Meeting held on 19 April 2016, Council resolved to prepare a LGIP for the Douglas Shire. The resolution to commence work on preparing the LGIP occurred under the now repealed *Sustainable Planning Act 2009.* The current *Planning Act 2016* requires continuing work on the LGIP to follow provisions of the *Ministerial Guidelines* under the *Planning Act 2016,* rather than the *Statutory Guideline 04/14 – Making and amending local planning instruments.*

At the Ordinary Council Meeting held on 31 October 2017 Council resolved to:

1. Endorse the draft LGIP as Council's proposed LGIP;
2. Appoint a pre-approved external panel reviewer to undertake a review of the proposed LGIP, as required under the Ministerial Guidelines;
3. Following the external review, refer the LGIP to the State Government for the *First State Interest Check*; and
4. Following completion of the State Interest Check, undertake public notification of the LGIP.

The proposed LGIP considers trunk infrastructure for reticulated water, reticulated sewerage, parks and road networks and maps priority infrastructure areas. The proposed LGIP has been prepared on Council's behalf by Trinity Engineering and Consulting.

COMMENT

External Reviewer

The external reviewer found the LGIP sufficient and reviewer's assessment formed part of the information forwarded to the Minister for the First State Interest Check.

First State Interest Check

On the weekend preceding the Council's Ordinary Meeting in October 2017, the State Government called for a State election and the Government went into caretaker responsibilities. The LGIP was referred to the State Government on the 18 December 2017.

On the 7 March 2108 the Minister for State Development, Manufacturing, Infrastructure and Planning, the Hon Cameron Dick, advised Council that the LGIP had been assessed and that Council could proceed to publicly consult the proposed LGIP. The Minister's correspondence included advice to assist Council in revising and refining the proposed LGIP. The refinements sought minor changes focusing on the need to adjust the SoW (Schedule of Works) and the proposed charges to respect the prescribed amounts in the *Planning Regulation 2017* (i.e., the maximum charge). The advice also suggested the inclusion of the Technical Briefing report in the extrinsic section of the LGIP.

Public Notification

The minor refinements, as nominated by the Minister, were included and the LGIP underwent public notification from Tuesday 27 March 2018 to Monday 14 May 2018 inclusive. The public notification period met the minimum, statutory, business day requirement having regard to the non-business days of the Easter Holiday period. The LGIP was publicly exhibited for thirty-one (31) business days.

Submissions

Council received four (4) properly made submissions.

In accordance with Chapter 5 Minister's rules for reviewing, making or amending a Local Government Infrastructure Plan (LGIP), of the *Minister's Guidelines and Rules,* prescribed by the *Planning Regulation 2017,* Council must consider every properly made submission.

"7.5 After considering the submissions, the local government –

a) may make changes to the proposed LGIP or amendment or interim LGIP amendment to –

i. address the issue raised in the submission;

ii. amend a drafting error; or

iii. address new or changed planning circumstances or information;

b) must ensure any changes continue to comply with and address the requirements identified in Part 4 of this chapter; and

c) must advise each person in writing who made a properly made submission about how the local government has dealt with their submission."

7.6 The local government must update the Review checklist to reflect any changes made to the proposed LGIP, LGIP amendment or interim LGIP amendment.

7.7 If the local government makes changes under 7.5(a) and the local government considers the changes result in the proposed LGIP, LGIP amendment or interim LGIP amendment being significantly different to the version released for public consultation, the local government must repeat the public consultation process.

7.8 The local government may choose to limit the public consultation to those aspects of the proposed LGIP, LGIP amendment or interim LGIP amendment that have changed.

7.9 After complying with sections 7.4 to 7.7 for the proposed LGIP, LGIP amendment or interim LGIP amendment, the local government must decide to –

a) proceed with no change;

b) proceed with changes if it reasonably believes the changes do not result in the proposed LGIP, LGIP amendment or interim LGIP amendment being significantly different to the version released for public consultation; or

c) not proceed with the proposed LGIP, LGIP amendment or interim LGIP amendment."

As detailed in the Submissions Review Report, included in Attachment 1, the concerns raised with the stormwater in the Reef Park Estate at Port Douglas have been previously identified by Council to be further investigated and options identified to resolve this matter.

The consideration of future development to the west of the Captain Cook Highway, west of Port Douglas, is identified on the Strategic Framework Map, of the current Planning Scheme as an Investigation Area. Significant research is necessary prior to further consideration to develop this area.

The considerations of clarifying the status of infrastructure, the timing of the provision of future infrastructure, the inclusion of the current land zone types, the clarification of priority infrastructure areas (PIA) boundaries (having regard to current approvals) can be undertaken through a separate planning scheme and LGIP amendment.

It is recommended that Council complete a further report regarding these issues giving confidence to the community that these issues are to be resolved expediently. The review can also consider the nominated adopted charges and other pertinent matters as identified in undertaking the report.

Next Steps

Where Council proceeds with the proposed LGIP, Council must engage an approved reviewer to conduct a second compliance check. The appointed reviewer undertakes a review as per Section 8.3 of Chapter 5, Minister's Guidelines, and provides Council with an updated Review checklist and Reviewer statement. Upon the completion of the external Reviewer's actions, Council must give written notice to the Minister seeking approval to adopt the proposed LGIP and furnishes the Minister with a copy of the proposed LGIP and other documentation. After the Minister receives the written notice and reviews the lodged documentation the Minister must write to Council, under Chapter 5, section 9.7, advising that Council may-

"a) adopt the proposed LGIP or amendment;

b) adopt the proposed LGIP or amendment subject to conditions; or

c) not adopt the proposed CIP or amendment."

The adoption process is outlined under the *Minister's* Guidelines as follows.

"10. Adoption

10.1. If the local government is notified by the Minister that it may adopt the proposed LGIP or amendment, or after making a decision under section 7.9 for an interim LGIP amendment, the local government must—

a) decide to adopt the proposed LGIP or amendment; or

b) decide not to proceed with the proposed LGIP or amendment; and

c) publish a notice in accordance with the requirements prescribed in Schedule 5.

10.2. If the local government decides to adopt an LGIP, amendment or interim LGIP amendment under section 10.1(a), the local government must also—

a) comply with any conditions imposed by the Minister that must be undertaken prior to adoption; and

b) include on its website—

i a copy of the LGIP, amendment or interim LGIP amendment, including the SOW model (the content, function and calculations of the SOW model must remain visible and accessible to all stakeholders);

ii the Review checklist;

iii. the Appointed reviewer statement; and

iv. extrinsic material.

10.3. The local government must, as soon as possible after adopting the LGIP, amendment or interim LGIP amendment, give the chief executive—

a) a copy of the public notice; and

b) a certified copy of the LGIP or amendment."

FINANCIAL/RESOURCE IMPLICATIONS

A budget allocation has been included in the 2017/18 financial year to complete the LGIP. Once adopted, the LGIP will give Council a mechanism to collect developer contributions towards the upgrade of trunk infrastructure.

RISK MANAGEMENT IMPLICATIONS

Whereby Council resolves not to proceed with the proposed planning scheme amendment, Council would be unable to issue Infrastructure Charges Notices in relation to Development Approvals post 30 June 2018. There is a significant risk in modifying the LGIP beyond what has been identified by the Minister's advice at this point in time, undertaking a second external review and achieving a Second State Interest Check prior to the 30 June 2018.

If Council resolves to adopt the LGIP then some time in the future Council has the ability to commence a separate, new amendment to the Planning Scheme to clarify existing infrastructure, consider the timing of the provision of future infrastructure, include consistency with current land zone types, clarify priority infrastructure areas (PIA boundaries) having regard to current approvals and a review of nominated charges.

SUSTAINABILITY IMPLICATIONS

Economic: The proposed planning scheme LGIP amendment has significant implications for the future economic prosperity of the Shire.

Environmental: The proposed planning scheme LGIP amendment has significant implications for the future environmental sustainability of the Shire.

Social: The proposed planning scheme LGIP amendment has significant implications for the future social and community development of the Shire.

CORPORATE/OPERATIONAL PLAN, POLICY REFERENCE

This report has been prepared in accordance with the following:

Corporate Plan 2014-2019 Initiatives:

Theme 2 - Building a Sustainable Economic Base
2.1.1 - Develop management plans for all Council assets and adequately resource their implementation.

Theme 3 - Improve Environmental Performance
3.1.3 - Develop management plans for Council's parks and reserves including coastal reserves and foreshore areas.

Theme 5 - Governance
5.1.1 - Establish and develop long term financial, resource and infrastructure planning to ensure ongoing capacity to fund operations and capital works programs.

5.2.1 - Provide Councillors and community with accurate, unbiased and factual reporting to enable accountable and transparent decision-making.

Operational Plan 2017-2018 Actions:

5.1.5 - Finalise Local Government Infrastructure Plan including preparation, forecasting, mapping, public notifications, independent consultant review, state review, adoption

COUNCIL'S ROLE

Council can play a number of different roles in certain circumstances and it is important to be clear about which role is appropriate for a specific purpose or circumstance. The implementation of actions will be a collective effort and Council's involvement will vary from information only through to full responsibility for delivery.

The following areas outline where Council has a clear responsibility to act:

Asset-Owner	Meeting the responsibilities associated with owning or being the custodian of assets such as infrastructure; and
Regulator	Meeting the responsibilities associated with regulating activities through legislation or local law.

CONSULTATION

Internal: In developing the LGIP documentation, the following teams were consulted:

- Finance – Manager Accounting.
- Water and Wastewater Operations
- Infrastructure
- Public Spaces
- Development Assessment and Coordination

External: In developing the LGIP documentation, the following external stakeholders were consulted:

- Appointed External Reviewer and the Department of State Development, Manufacturing, Infrastructure and Planning for the First State Interest Check.

The proposed LGIP must also undergo a second assessment by the External Reviewer and a further review by the Department of State Development, Manufacturing, Infrastructure and Planning.

COMMUNITY ENGAGEMENT

The proposed LGIP was places on public exhibition for a six week period from the Tuesday 27 March 2018 to Monday 14 May 2018 inclusive. Four submissions were received, all of which were properly made.

ATTACHMENTS

1. Attach 1 Submissions Review Report **[5.1.1]**
2. Attach 2 Planning Scheme Wording **[5.1.2]**
3. Attach 3 LGIP Planning Localities **[5.1.3]**
4. Attach 4 LGIP Priority Infrastructure Areas **[5.1.4]**
5. Attach 5 LGIP Water Trunk Infrastructure **[5.1.5]**
6. Attach 6 LGIP Sewerage Trunk Infrastructure **[5.1.6]**
7. Attach 7 LGIP Transport Trunk Infrastructure **[5.1.7]**
8. Attach 8 LGIP Trunk Footpath Infrastructure **[5.1.8]**
9. Attach 9 LGIP Stormwater Trunk Infrastructure **[5.1.9]**
10. Attach 10 LGIP Parks and Reserves Infrastructure **[5.1.10]**
11. Attach 11 Schedule of Works **[5.1.11]**
12. Attach 12 Technical Briefing Report **[5.1.12]**
13. Attach 13 LGIP Proposed Levied Charges **[5.1.13]**
14. Attach 14 External Reviewer Checklist **[5.1.14]**
15. Attach 15 External Reviewer Statement **[5.1.15]**
16. Attach 16 Minister's correspondence and advice **[5.1.16]**

Submission Review Report

Response to submissions on the proposed Local Government Infrastructure Plan for the Douglas Shire Planning Scheme (Statutory consultation 27 March 218 to 14 May 2018).

No	Property/ Location	Grounds	Planning commentary	Action
1.	Properties off Ferrero Road, Craiglie, in which IPDG (84) Pty Ltd has an interest as included in the *Residential Investigation Area* on the Strategic Framework Mapping within the Douglas Shire Planning Scheme 2018.	1.1 Residential Investigation Area The submitter advises that it is undertaking technical assessments and a Structure Plan for the growth area and intends to lodge a draft Structure Plan in the coming months and that the Planning Scheme nominates the land as a *Residential Investigation Area.* The submitter notes that the life of the infrastructure nominated in the LGIP exceeds the life of the Planning Scheme, yet the LGIP mapping disregards the *Residential Investigation Area* . No infrastructure is nominated for the *Area*. The submitter seeks the LGIP mapping reasonably and appropriately give regard to infrastructure planning in this *Area*.	1.1 No application has been lodged or determined by Council for the *Residential Investigation Area.*  The LGIP applies data relative to existing and planned infrastructure. There is no specific infrastructure as yet identified or planned to service the *Residential Investigation Area.* There is sufficient reference, at this point in time, to the *Area*, by inclusion in the Strategic Framework map. Inclusion, as suggested by the submitter, is precipitate at this point in time.	1.1 No change to the proposed Local Government Infrastructure Plan in regards to the *Residential Investigation Area*.

No	Property/ Location	Grounds	Planning commentary	Action
		1.2 Planning Zones The submitter notes the zonings in the LGIP mapping reflects those of the superseded Planning Scheme. Some land previously included within residential and other urbanised designations has been removed from those designations, therefore impacting ultimately infrastructure demand and other assumptions from which infrastructure planning has been completed.	1.2 Planning Zones Research and development of the LGIP commenced under the 2006 Douglas Shire Planning Scheme (as amended). Council adopted the proposed LGIP while the 2006 Planning Scheme was still in effect. To undertake changes, to reflect current zones, urban areas may produce a different LGIP to the version that has undergone public exhibition. A different LGIP would require a new public notification. These considerations are worthy of separate investigation and review.	1.2.2 No change to the Local Government Infrastructure Plan at this point in time in regards to the Planning Zones. 1.2.2 Investigate further and report to Council on a separate amendment to utilise current planning zones, urban areas and development approvals.
		1.3 Water Supply The LGIP mapping does not appropriately include or reference the 20ML reservoir currently undertaken in the Schedule of Works (SoW). The infrastructure is included in the Future Supply Trunk Infrastructure Plans , but not listed on the SoW for the Future Trunk Assets. Given the infrastructure is under construction and due for completion in July 2018, the submitter requests the infrastructure be fully included.	1.3 Water Supply The water reservoir project is unfinished and supply is not as yet online. The LGIP documentation can be clarified to include the infrastructure in all respective areas as a Future Asset.	1.3 Clarify all components of the LGIP documentation to reflect the 20Ml water reservoir as a Future Asset. This clarification is not considered to result in a different version of the LGIP to the version that was publically exhibited.

No	Property/ Location	Grounds	Planning commentary	Action
		1.4 Waste Water Discussion with Council officers has identified deficiencies with the port Douglas / Craiglie Waste Water Treatment Plant insofar as peak season is concerned. No reference or mention of any planned upgrades or assessments to resolve or respond to this known issue have been included within the LGIP. The submitter requests the LGIP be amended to contemplate future management or action to respond to this issue.	1.4 Waste Water There is no specific infrastructure as yet identified or planned to service the *Residential Investigation Area.* The detailed assessment of the *Residential Investigation Area* will be undertaken by the applicant/ submitter to research this issue. There is sufficient reference, at this point in time, to the *Area*, by inclusion in the Strategic Framework map. Inclusion, as suggested by the submitter, is precipitate at this point in time. Council is completing a separate report investigating the current capacity of the Port Douglas Waste Water treatment Plant, the Upgrade Status and Reuse report. The report considers current capacity to service demand and includes consideration of using recycled water. The outcomes from this report, together with a current status on network capacity, are considerations are worthy of separate investigation and review.	1.4.1 No change to the Local Government Infrastructure Plan at this point in time in regards to the waste water components of the LGIP. 1.4.2 Investigate further and report to Council on a separate amendment to the LGIP considering outcomes of the Upgrade Status and Reuse report of the Port Douglas Waste Water Treatment Plant and further clarification of network capacity.
		1.5 Population Projections and Assumptions The submitter notes the methodology used to determine population and dwelling projections and asserts that these are underestimated and a wider scope of methodology should be applied, in particular given the high proportion of tourist accommodation in the catchment.	1.5 Population Projections and Assumptions Various data was used to estimate future population and dwellings, following prescribed methodology that was reviewed by the External Reviewer and the State Government. The methodology is considered sufficient.	1.5 No change to the Local Government Infrastructure Plan in regards to the population project and assumption methodology.

No	Property/ Location	Grounds	Planning commentary	Action
2 & 3	Development of Port Gardens and impact on Jewel Close and Opal Street, Reef Park Residential Area as submitted by david Kinnear and supported by submitters J & L Pesersen.	2-3 Port Gardens and Reef Park Stormwater Concern is raised by the residents regarding existing stormwater concerns and flooding in the Reef Park Residential Area as a result of the development of the Port Gardens residential area. The submission suggests a number of issues has resulted in downstream stormwater flooding and identifies possible actions to mitigate these flooding events.	2-3 Port Gardens and Reef Park Stormwater The LGIP has minimal inclusion of stormwater due to the vast area of the Shire and extent of natural drainage systems. The concerns raised by the submitters follow the recent greater than 1% AEP rainfall incident. At the Council's Ordinary Meeting held on 15 May 2018 through a closed session report regarding stormwater at Ribbon and St Crispins Avenues Council resolved to "*1. note the recommendations of the Concept Design Report – Stormwater Upgrades for Ribbon Avenue;* *2. adopt Option 8 as the preferred upgrade option; and* *3. proceed to final detailed design and documentation for construction."* The concerns raised by the submitters are particular to the safety of persons and property for existing development and are better addressed through separate investigation by Council's Engineers.	2.1 No change to proposed Local Government Infrastructure Plan in regards to stormwater infrastructure to the Reef Park / Port Gardens residential areas. 2.2 Advise the submitter's that the concerns are noted, that Council has undertaken initial investigation of the area following the recent greater than 1% AEP rainfall event and that Council will include the concerns in a broader investigation of the stormwater in the area.

No	Property/ Location	Grounds	Planning commentary	Action
4	Council's own submission	4.1 Transport Remove all state infrastructure form the LGIP Future Transport Plans, as these reflect the State infrastructure and are not Council's responsibility. Remove ○ ISF001 – Priority Intersection. Intersection identified on State Controlled Road (TMR infrastructure requirement) ○ SCF011 - Upgrade of Existing Sub-standard Culvert Structures to meet flow requirements : Removed from Mapping – as Council does not expect to replace existing culvert ○ TRF009 -> TRF011: Upgrade Wabul Street, Millman Drive and Downing Street respectively: Removed from Mapping – as Council does not expect to upgrade infrastructure links to Major Collector ○ FPBF001 – Junction Creek Pedestrian Bridge: Included in the Transport Mapping – as Infrastructure Item is noted in the Future Transport SoW Table. ○	4.1 Transport The changes are considered appropriate, however, are likely to result in a different version of the LGIP that was publically exhibited. A different LGIP would require a new public notification. These considerations are worthy of separate investigation and review.	4.1.1 No change to the Local Government Infrastructure Plan at this point in time in regards to Transport considerations. 4.1.2 Investigate further and report to Council on a separate amendment in regards to the transport considerations.

No	Property/ Location	Grounds	Planning commentary	Action
	Council's own submission (continued).	Modified Timings of ○ TRF043 – Changed date of expected delivery from 2026 to 2031, to align with the expected continued development from the Northern Section of the Development South TRF044 – Changed date of expected delivery from 2031 to 2026, to align with the expected continued development from the Northern Section of the Development South.		
		4.2 Water Infrastructure <u>Exclusion of Trunk Water Infrastructure Items</u> Remove all Proposed Infrastructure to beyond the life of the LGIP (beyond 2031+) including but not limited to ○ WMF004_Water Main_450 mm dia Finlayvale Raw water intake line duplication.. (Currently an investigate underway as to the required need. Insufficient evidence to support the inclusion in the current LGIP - expected 2045 ○ WMF008_Water Main_225 mm dia -Water Main extension to Mossman WTP - expected 2031+	4.2 Water Infrastructure The changes are considered appropriate, however, are likely to result in a different version of the LGIP that was publically exhibited. A different LGIP would require a new public notification. These considerations are worthy of separate investigation and review.	4.2.1 No change to the Local Government Infrastructure Plan at this point in time in regards to water infrastructure considerations. 4.2.2 Investigate further and report to Council on a separate amendment in regards to the water infrastructure considerations.

No	Property/ Location	Grounds	Planning commentary	Action
	Council's own submission (continued).	○ WMF010_Water Main_450 mm dia -Wyanbeel – Miallo Water Main Connection - expected 2031+ ○ WMF011_Water Main_450 mm dia -Wyanbeel – Miallo Water Main Connection - expected 2031+ There is also the Drumsara-Finleyvale line – which is currently under review (Modelling and Feasibility Study). If this line is determined to be required prior to 2031- then it would form part of the Trunk Water network, and should be included in the LGIP. (expected costs ~$8M). Consider whether there is insufficient supporting information for the inclusion of this trunk network element into the DSC LGIP.		

No	Property/ Location	Grounds	Planning commentary	Action
	Council's own submission (continued).	<u>Inclusion of Trunk Water Infrastructure Items</u> In the original PFTI WRF002 – identified the Wyanbeel reservoir (unused), but was labelled and costed in the SoW as the Future Port Douglas Resevoir (20+ ML). In the attached PFTI – the correct location of the reservoir has been identified. The infrastructure items WMF002_(i) and WMF002_(ii) refer to the dedicated inlet and outlet mains – which are required to connect the resevoir to the wider Trunk Water Network. ○ WMF002_(i)_Water Main_450 mm dia_dedicated water inlet main (the Wyanbeel Resevoir was incorrectly identified as the Port Douglas Resevoir, ○ WMF002_(ii)_Water Main_450 mm dia_dedicated water inlet main.		

No	Property/ Location	Grounds	Planning commentary	Action
	Council's own submission (continued).	4.3 Waste Water Infrastructure <u>Exclusion of Trunk Infrastructure Items</u> Remove all Proposed Infrastructure to beyond the life of the LGIP (beyond 2031+). With the Exception of the Trunk Infrastructure Items ○ SPSF001 : SPSF001_Andreassen Road Pump Station ○ STPF001 : STPF001_Interim Mossman WWTP Upgrade - Regulate flows UPGRADE ○ STPF002 : STPF002_Interim Mossman WWTP Upgrade - Alternative sludge infrastructure UPGRADE ○ RMF068 : RMF068_Rising Mains_150 mm dia_Craiglie_Trunk. The exclusions of significant portions of the Waste water infrastructure Trunk plans are to reflect the Councils re-consideration of timing for the provision of trunk waste water infrastructure to the more remote communities of the shire.	4.3 Waste Water Infrastructure The changes are considered appropriate, however, are likely to result in a different version of the LGIP that was publically exhibited. A different LGIP would require a new public notification. These considerations are worthy of separate investigation and review.	4.3.1 No change to the Local Government Infrastructure Plan at this point in time in regards to waste water infrastructure considerations. 4.3.2 Investigate further and report to Council on a separate amendment in regards to the waste water infrastructure considerations.

No	Property/ Location	Grounds	Planning commentary	Action
		This re-consideration has been based on a rational assessment of Council's financial position and the focus of the delivery of infrastructure to the expected growth hubs of Port Douglas, Mossman and Cooya Beach. The change reflects the Council's position to become a Financially Sustainable Council by expending public funds in a efficient and fiscally responsible manner. <u>Modified Timings</u> RMF068 : Timings have been modified from 2031 to 2026 to Align with the expected timings for the provision of the Andreassen Road Pump Station.		

Part 4 Local government infrastructure plan

4.1 Preliminary

(1) This local government infrastructure plan has been prepared in accordance with the requirements of the *Planning Act 2016*.

(2) The purpose of the local government infrastructure plan is to:

- integrate infrastructure planning with the land use planning identified in the planning scheme
- provide transparency regarding a local government's intentions for the provision of trunk infrastructure
- enable a local government to estimate the cost of infrastructure provision to assist its long term financial planning
- ensure that trunk infrastructure is planned and provided in an efficient and orderly manner.
- provide a basis for the imposition of conditions about infrastructure on development approvals.

(3) The local government infrastructure plan:

(a) states in Section 4.2 (planning assumptions) the assumptions about future growth and urban development including the assumptions of demand for each trunk infrastructure network

(b) identifies in Section 4.3 (priority infrastructure area) the prioritised area to accommodate urban growth up to 15 years

(c) states in Section 4.4 (desired standards of service) for each trunk infrastructure network the desired standard of performance

(d) identifies in Section 4.5 (plans for trunk infrastructure) the existing and future trunk infrastructure for the following networks:

(i) water supply

(ii) sewerage

(iii) transport

(iv) parks and land for community facilities

(e) provides a list of supporting documents that assist in the interpretation of the local government infrastructure plan in the Editor's note – Extrinsic material at the end of Section 4

4.2 Planning assumptions

(1) The planning assumptions state the assumptions about:

(a) population and employment growth

(b) the type, scale, location and timing of development including the demand for each trunk infrastructure network

(2) The planning assumptions together with the desired standards of service form a basis for the planning of the trunk infrastructure networks and the determination of the priority infrastructure area.

(3) The planning assumptions have been prepared for:

(a) the base date 2011 and the following projection years to accord with future Australian Bureau of Statistics census years:

(i) mid (2016);

(ii) mid (2021);

(iii) mid (2026);

(iv) mid (2031).

(b) the LGIP development types in column 2 that include the uses in column 3 of Table .

(c) the projection areas identified on Local Government Infrastructure Plan, Priority Infrastructure Area plan, Drawing numbers 1100-010 to 1100-017" in Schedule 3—Local government infrastructure plan mapping and tables.

Table 4.2.1—Relationship between LGIP development categories, LGIP development types and uses

Column 1 **LGIP development category**	**Column 2** **LGIP development type**	**Column 3** **Uses**
Residential development	Attached dwelling	Dual occupancy Dwelling unit Multiple dwelling Short term accommodation Retirement Facility
	Detached dwelling	Caretaker's accommodation Dwelling house
	Other dwelling	Home based business Relocatable home park and Tourist Park Rooming Accommodation Community Residence # Residential care facility
Non-residential development	Retail	Centre Facilities Food and drink outlet Nightclub entertainment facility Parking Station Shop

Column 1 LGIP development category	Column 2 LGIP development type	Column 3 Uses
		Shopping centre Showroom Service Station
	Commercial	Relevant uses may include: Office Sales Office
	Community purpose	Relevant uses may include: Child Care Centre Community care centre Place of worship Educational establishment Hospital
	Industry	Relevant uses may include: Industry Activities Extractive Industries
	Other	Relevant uses may include: Animal husbandry Animal keeping Cropping Rural Activities Sport and Recreation activities Telecommunications Facility Forestry for wood production code #

State-wide development code definition

(4) Details of the methodology used to prepare the planning assumptions are stated in the extrinsic material.

4.2.1 Population and employment growth

(1) A summary of the assumptions about population and employment growth for the planning scheme area is stated in Table 4.2.2—Population and employment assumptions summary.

Table 4.2.2—Population and employment assumptions summary

COLUMN 1 DESCRIPTION	COLUMN 2 ASSUMPTIONS					
	Base date 2011	2016	2021	2026	2031	Ultimate development[1]
POPULATION	15,546	17,591	18,785	19,875	21,022	27,122
EMPLOYMENT	3,179	3,205	3,370	3,560	3,759	4,857

(2) Detailed assumptions about growth for each projection area and LGIP development type category are identified in the following tables in Schedule 3 Local government infrastructure plan mapping and tables:

(a) for population, Table SC3.1.1 — Existing and projected population

(b) for employment, Table SC3.1.2 — Existing and projected employees

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4.2.2 Development

(1) The developable area is identified on Local Government Infrastructure Plan Drawings 1100-010 to 1100-017 in Schedule 3—Local government infrastructure plan mapping and tables.

(2) The planned density for future development is stated in Table SC3.1.3 in Schedule 3—Local government infrastructure plan mapping and tables.

(3) A summary of the assumptions about future residential and non-residential development for the planning scheme area is stated in Table 4.2.1—Residential dwellings and non-residential floor space assumptions summary.

Table 4.2.1—Residential dwellings and non-residential floor space assumptions summary

Column 1 Description	Column 2 Assumptions					
	Base date (2011)	2016	2021	2026	2031	Ultimate development
Residential dwellings[2]	7779	8,330	8,925	9,549	10,161	14,328
Non-residential floor space (m^2 GFA)[3]	136,860	143,690	150,670	157,290	164,205	205,157

(1) Detailed assumptions about future development for each projection area and LGIP development type are identified in the following tables in Schedule 3 Local government infrastructure plan mapping and tables:

1 Ultimate Development occurs in the year 2061 (approximately)

2 Total number of residential dwellings

3 Total non-residential floor space (m2 GFA)

(a) for residential development, Table SC3.1.4.

(b) for non-residential development, Table SC3.1.5.

4.2.3 Infrastructure demand

(1) The demand generation rate for a trunk infrastructure network is stated in Column 4 of Table SC 3.1.2 in Schedule 3 Local government infrastructure plan mapping and tables.

(2) A summary of the projected infrastructure demand for each service catchment is stated in:

(a) for the water supply network, Table 4.2.3.1 – Water Supply Network Demand Summary

(b) for the sewerage network, Table 4.2.3.2 – Waste water Supply Network Demand Summary

(c) for the transport network, Table 4.2.3.3 – Transport (Road and Path) Network Demand Summary

(d) for the parks and land for community facilities network, Table 4.2.3.4 and Table 4.2.3.5 – Public Parks and Land for Community Land Network Demand Summary.

Table 4.2.3.1 – Water Supply Network Demand Summary

Column 1 **Service catchment**[4]	**Column 2** **Existing and projected demand (EP)**					
	2011 **(Base date)**	**2016**	**2021**	**2026**	**2031**	**Ultimate**[5]
PORT DOUGLAS (W1)	16,328	18,752	21,195	23,535	25,969	31,673
MOSSMAN (W2)	6,278	6,572	6,888	7,214	7,519	10,323
WHYANBEEL (W3)	1,702	1,975	2,241	2,492	2,762	4,151
DAINTREE (W4)	192	223	257	301	334	620
SHARED TREATMENT (W1&W2)	22,605	25,324	28,083	30,749	33,488	41,996

4 Column 1 The service catchments for the sewerage network are identified on Local Government Infrastructure Plan Map LGIP Drawing Number 1100-101 (Plan for trunk sewerage infrastructure) in Schedule 3 (local government infrastructure mapping and tables).

5 Ultimate demand occurs in the year 2061 (approximately)

Table 4.2.3.2 – Waste Water Supply Network Demand Summary

Column 1 **Service catchment**[6]	**Column 2** **Existing and projected demand (EP)**					
	2011 **(Base date)**	**2016**	**2021**	**2026**	**2031**	**Ultimate**[7]
PORT DOUGLAS (S1)	15,073	16,591	18,135	19,622	21153	23,224
MOSSMAN (S2)	5,544	5,847	6,179	6,523	6841	7,640
COOYA BEACH (S3)	267	1,117	1,244	1,361	1850	1,415
NEWELL BEACH (S4)		488	533	570	612	551
WONGA BEACH / ROCKY POINT (S5)		965	1,401	1,815	2,244	2,840
SHARED TREATMENT (S2-S5)	5,811	8,417	9,357	10,269	11,546	12,446

Table 4.2.3.3 – Transport (Roads & Paths) Network Demand Summary

Column 1 **Service catchment**[8]	**Column 2** **Existing and projected demand (vpd)**					
	2011 **(base date)**	**2016**	**2021**	**2026**	**2031**	**Ultimate**[9]
Douglas Shire South (TR1)	93,412	102,917	112,600	121,945	131,539	169,192
Douglas Shire North (TR2)	3,970	3,793	3,616	3,438	3,261	4,934

3. Table 4.2.3.2 Column 1 The service catchments for the sewerage network are identified on Local Government Infrastructure Plan Map LGIP Drawing Number 1100-201 (Plan for trunk sewerage infrastructure) in Schedule 3 (local government infrastructure mapping and tables).

7Ultimate demand occurs in the year 2061 (approximately)

3. Table 4.2.3.4 Column 1 The service catchments for the Transport network are identified on Local Government Infrastructure Plan Map LGIP Drawing Number 1100-301 and 401 (Plans for Road and Path Network infrastructure respectively) in Schedule 3 (local government infrastructure mapping and tables).

9Ultimate demand occurs in the year 2061 (approximately)

Table 4.2.3.4 – Public Parks and Land for Community Land Network Demand Summary

Column 1 **Service catchment**[10]	**Column 2** **Existing and projected demand (persons)**					
	2011 (base date)	**2016**	**2021**	**2026**	**2031**	**Ultimate**
Port Douglas (PPLC1)	9,757	11,041	11,789	12,474	13194	17,022
Mossman (PPLC2)	1,531	1,733	1,850	1,958	2071	2,672
Cooya Beach (PPLC3)	667	754	806	852	902	1,163
Newell Beach (PPLC4)	329	373	398	421	445	575
Wonga Beach (PPLC5)	751	849	907	960	1015	1,310
Rural Area - South of Mowbray River (PPLC6)	382	432	462	488	516	666
Rural Area - Mowbray River to Mossman River (PPLC7)	418	473	505	535	565	730
Rural Area - Mossman River to Daintree River (PPLC8)	968	1,095	1,170	1,237	1309	1,688
Rural Area - North of Daintree River (PPLC9)	743	841	898	950	1005	1,297
District Shared Catchments (1,2,3,4,6&7)	*13,084*	*14,806*	*15,810*	16,728	17,693	22,827
District Shared Catchments (5,8&9)	*2,462*	*2,785*	*2,975*	3,147	3,329	4,295
Regional Shared Catchments (1-9)	*15,546*	*17,591*	*18,785*	19,875	21,022	27,122

NOTES: Values reflect provision of public parks and Land for Community Purposes for total single and multi-catchment parks (excluding Pre-1990 Land).

6. Table 4.2.3. Column 1 The service catchments for the parks and land for community facilities network are identified on Local Government Infrastructure Plan Map LGIP Drawing Numbers 1100-601 to 1100-601 (Plan for trunk parks and land for community facilities infrastructure) in Schedule 3 (local government infrastructure mapping and tables).

4.3 Priority infrastructure area

(1) The priority infrastructure area identifies the area prioritised for the provision of trunk infrastructure to service the existing and assumed future urban development up to 2031.

(2) The priority infrastructure area is identified on Local Government Infrastructure Plan Map LGIP—Drawings **1100-130 to 1100-137**.

4.4 Desired standards of service

(1) This section states the key standards of performance for a trunk infrastructure network.

(2) Details of the standard of service for a trunk infrastructure networks are identified in the extrinsic material.

4.4.1 Water supply network

The Desired Standards for water supply trunk infrastructure are shown in Table 4.4.1.1 – Desired Standards of Service – Water Supply.

Table 4.4.1.1 — Desired Standards of Service – Water Supply

Planning Standard	Community Outcomes
Ensure drinking water complies with the NHMRC Australian Drinking Water Guidelines for colour, turbidity and microbiology.	• Provides uniform quality of water monitored in relation to recognised standards. • Provide a safe and reliable water supply. • Safeguards community health.
Water infrastructure provides for system operation and monitoring in accordance with recognised standards.	• Ensures environmental controls are maintained. • Ensures potable water is provided in a manner consistent with environmental standards.
Reduce non-revenue water.	• Extend asset life. • Improve environmental flows. • Reduced greenhouse gas emissions. • Reduce extraction of water from source.
Provide infrastructure which minimises power usage.	• Reduced cost of energy. • Cost effective service for community. • Reduced greenhouse gas emission.
Develop and maintain excellence in appropriate new technologies.	• Reduced cost of energy and chemicals. • Cost effective service for community. • Reduced greenhouse gas emissions. • Reduced environmental effects from chemical production.

Planning Standard	Community Outcomes
Provide infrastructure which minimises whole of life costs.	• Cost effective service for community. • Reduced energy cost. • Reduced maintenance costs. • Reduced overall operation costs. • Reduced replacement costs. • Reduction in disposal of waste. • Reduced environmental effects from chemical production.
Design Standards	**Community Outcome**
Design water supply infrastructure to comply with: • FNQROC Development Manual; • EPA Requirements; • DNR Requirements; • SAMP Customer Service Standards; • Water Act 2000; • Plans for Trunk Infrastructure – Water Supply.	• Provides uniform quality of water monitored in relation to recognised standards. • Provide a safe and reliable water supply. • Safeguards community health.

4.4.2 Sewerage network

The Desired Standards for water supply trunk infrastructure are shown in Table 4.4.2.1 – *Desired Standards of Service – Sewerage*.

Table 4.4.2.1— Desired Standards of Service – Sewerage

Planning Standard	Community Outcomes
Ensure wastewater collection, transportation and treatment system remains effective.	• Reduced impact from blockages, overflows and spills. • Reduced impact on residents. • Reduced lease of Nitrogen and phosphorous to aquatic ecosystems. • Improved community health. • Reduced greenhouse gas emissions.
Provide infrastructure which minimises energy usage.	• Reduced cost of energy. • Cost effective service for community. • Greenhouse gas reduction.

Planning Standard	Community Outcomes
Provide infrastructure which minimises whole of life costs.	• Cost effective service for community. • Reduced energy cost. • Reduced maintenance costs. • Reduced overall operation costs. • Reduced replacement costs. • Reduction in disposal of waste. • Reduced greenhouse gas emissions. • Reduced environmental effects from chemical production.
Achieve excellence in appropriate new technologies.	• Reduced cost of energy and chemicals. • Cost effective service for community. • Reduced greenhouse gases. • Reduced environmental effects from chemical production.
Maximise opportunities for re-use of effluent.	• Beneficial use of reclaimed water and biosolids. • Opportunity for cost recovery for reclaimed water treatment. • Reduction in use of potable water supply and treatment. • Reduced release of nitrogen and phosphorous to aquatic ecosystems. • Reduction of raw water extraction from source.
Design Standards	**Community Outcome**
Design wastewater infrastructure to comply with: FNQROC Development Manual; EPA Requirements; DNR Requirements; SAMP Customer Service Standards; Water Act 2000 Plans for Trunk Infrastructure - Wastewater	• Noise control. • No adverse visual effect. • Control of overflows from system. • Improves community health. • Reduction in contaminated discharges. • Reduced odour emissions.
Ensure infiltration and inflow in new wastewater collection and transportation systems remain within industry acceptable limits (compliance with Environmental licences, IEMS and associated EMPs) and is minimised to a practical extent in existing systems.	• Reduced cost of energy for effluent transport, treatment and disposal. • Minimise customer overflow issues. • Maximise life of system. • Reduced overflows to local waterways.

4.4.3 Transport network

The Desired Standards for water supply trunk infrastructure are shown in Table 4.4.3.1 – *Desired Standards of Service – Transport*.

Table 4.4.3.1— Desired Standards of Service – Transport

Planning Standard	Community Outcomes
Road Network	
Define the road network as a functional road hierarchy of State Controlled Roads, Sub-arterial Roads, and Major and Minor Urban and Rural Collectors which support the Local government's urban and rural settlement patterns as well as commercial and economic activities.	• Protects the amenity of residential communities by removing non-local traffic. • Improves local safety by removing "through" traffic. • Reduces fuel consumption and emission levels by sustaining efficient operating speeds. • Maintains travel speeds in off-peak periods. • Reduces vehicle operating costs. • Improves public transport operation by improving travel speeds. • Supports economic growth by developing efficient and integrated transport networks. • Minimises through traffic and heavy vehicles in residential areas. • Limits community severance.
Path Network	
Define the trunk path network which provide improved access and alternative options for the travel mode.	• Protects the amenity of residential communities by providing an alternative mode of transport between locations • Provides a network of paths for recreational and commuter use • Provides facilities and access within the LGA which are not accessible by alternative transport options. • Provides a basis for a healthy and active community.
Design Standards	**Community Outcome**
Road Network	
Road network system is designed and provided in accordance with: • Queensland Streets, Queensland Residential Design Guidelines, FNQROC Development Manual, TMR and Australian Standards; and • Plans for Trunk Infrastructure – Road Network.	• Reduce delays during peak periods. • Improve safety by reducing vehicle speed differentials. • Supports efficient and integrated freight movement network.

Planning Standard	Community Outcomes
Path Network	
Path network system is designed and provided in accordance with: • Queensland Streets, Queensland Residential Design Guidelines, FNQROC Development Manual, TMR and Australian Standards; and • Plans for Trunk Infrastructure –Path Network.	Provide a choice in mode of transport • Improve safety by providing dedicated Path networks. • Supports efficient, integrated and diverse modes of movement across the Path network.

4.4.4 Public parks and land for community facilities network

The Desired Standards for water supply trunk infrastructure are shown in *Table 4.4.4.1– Desired Standards of Service – Transport*.

Table 4.4.4.1— Desired Standards of Service – Public Parks and land for Community Facilities

Planning Standard	Community Outcomes
Provide a connected and accessible network of parks, open space, and community facilities that meet the needs of the Local government's residents and visitors.	• Provides opportunities for access and increased usage of open space, recreational and community facilities. • Provides for an appropriate balance of land uses and ensures high levels of amenity in the urban form. • Provides a basis for a healthy and active community.
Ensure strong linkages and, where possible, co-location of existing and future parks, open space and community facilities.	• Ensures utilisation of existing and future assets while maintaining maximum access.
Provide embellishments to public parks, commensurate with the range of activities envisaged.	• Provides open space embellishments that meet the needs of the community by providing a range of facilities for social activities and/or fitness/recreational pursuits. • Ensures activities are met and contained within designated areas - reducing potential off-site impacts to other more sensitive areas in the Local government.
Ensure that existing and future parks, open space and community facilities with significant environmental, waterway or cultural heritage value are managed appropriately.	• Protects and enhances items of cultural interest in the Local government for the benefit of current and future communities in the Local government. • Provides a basis for tourism opportunities. • Protection of the natural landscape ensures maintenance of quality of air, water and land resources reducing negative impacts requiring amelioration. • Recreational and sporting parks promote the health and wellbeing of the Local government's residents.

Design Standards	Community Outcome
Public parks and land for community facilities areas are provided in accordance with the preferred quantity, distribution (ShireWide, district, local, sporting, community), quality and level of development specified in Council's 'Public Parks and Land for Community Purposes Trunk Infrastructure Planning Study' and Plans for Trunk Infrastructure – Public Parks and Land for Community Facilities.	• Provides a standard of service reflecting the communities' needs as identified by the local government's adopted strategies. • Provides recreation and sporting parks with a diverse range of activity opportunities and landscape settings to encourage healthy lifestyles and maximise opportunities for activity. • Recreation and open space facilities are managed in the most efficient and cost-effective way. • Recreation and open space facilities can be safely and conveniently accessed by all existing and potential users.
Land provided for parks, recreation, and sport is not constrained by physical, environmental or other hazards.	• Ensure adequate provision of safe, accessible and usable facilities.
Ensure land is accessible, of suitable quality and integrated with the urban and open space networks. Provide an accessible network of parks, open space, and community facilities that meets the needs of residents and visitors in accordance with the rate of provision identified in Table 4.4.4.2 and accessibility standards outlined in Table 4.4.4.3. Ensure land for public parks and community facilities has minimum land size as identified in Table 4.4.4.4.	• Provides community access to a range of park, open space and community facilities.
Public park embellishments are provided in accordance with Council's 'Public Parks and Land for Community Purposes Trunk Infrastructure Planning Study' and the Plans for Trunk Infrastructure – Public Parks and Land for Community Facilities. Embellish public parks to complement the type and purpose of the public park as identified in Table 4.4.4.5.	• Provides a range of park types that are suitability embellished to meeting their purpose within the park hierarchy.

Table 4.4.4.2— Rate of Land Provision for Public Parks and Land for Community Facilities

Infrastructure Item	Rate of Provision (Ha / 1000 people)		
	Local	District	Local Government Wide
Recreation park (2.5 Ha/1000)	1 Ha/1000	1.3 Ha/1000	0.2 Ha/1000
Sport park (2 Ha/1000)	0	1.6 Ha/1000	0.4 Ha/1000
Land for community facilities (0.3 Ha/1000)	0	0.15 Ha/1000	0.15 Ha/1000

Table 4.4.4.3— Accessibility standards for Public Parks and Land for Community Facilities

Infrastructure Item	Accessibility Standard (km)		
	Local	District	Local Government Wide
Recreation park	500m	2-3km	10-15km
Sport park	N/A	2-5km	15km
Land for community facilities	N/A	5km	20km

Table 4.4.4.4— Size of public parks and land for community facilities

Infrastructure Item	Minimum size (Ha)		
	Local	District	Local Government Wide
Recreation park	1 Ha pref – 0.5 Ha min	2-5 Ha	2-5 Ha
Sport park	N/A	10 Ha Minimum 7 Ha (allows for 3 fields and ancillary)	20 Ha
Land for community facilities	N/A	Cultural Activity Space (CAS) 1500m2 Community Meeting & Activity Space (CMS) 2000m2 Community Service Facility (CSF) 1000m2 Formal Memorial Space (FMS) 1000m2	CAS 1 Ha CMS 1 Ha CSF 1 Ha FMS 10 Ha

Table 4.4.4.5— Standard facilities/embellishments for public parks

Embellishment Type	Recreation Park			Sports Park	
	Local	District	LGA - wide	District	LGA - wide
Water connection/tap	✓	✓	✓	✓	✓
Drinking Fountain	✓	✓	✓		
Lighting	✓	✓	✓	✓	✓
Fencing (bollard/post and top rail)	✓	✓	✓	✓	✓
Playground equipment (incl. Soft fall)	✓	✓	✓		
Seating	✓	✓	✓	✓	
Picnic Shelter	✓	✓	✓		
BBQ	✓	✓	✓		
Earthworks – Field preparation/Kickabout	✓	✓	✓	✓	✓
Spectator facilities	✓	✓	✓	✓	✓
Landscaping	✓	✓	✓	✓	✓
Power	✓	✓	✓	✓	✓
Irrigation (new parks)	✓	✓		✓	✓
Public Toilet	✓	✓	✓	✓	✓
Path/bikeways	✓	✓	✓	✓	✓
Car parking and access works	✓	✓	✓	✓	✓

4.5 Plans for trunk infrastructure

(1) The plans for trunk infrastructure identify the trunk infrastructure networks intended to service the existing and assumed future urban development at the desired standard of service.

4.5.1 Plans for trunk infrastructure maps

(1) The existing and future trunk infrastructure networks are shown on the following maps in Schedule 3—Local government infrastructure plan mapping and tables:

(a) Local Government Infrastructure Plan drawings 1100-100 to 1100-126 - LGIP Plans for frunk water supply infrastructure;

(b) Local Government Infrastructure Plan drawings 1100-200 to 1100-211 Plans for trunk waste water infrastructure;

(c) Local Government Infrastructure Plan drawings for trunk transport infrastructure, including:

1. Drawings 1100-300 to 1100-316 (Trunk Road Infrastructure)
2. Drawings 1100-400 to 1100-417 (Trunk Path Infrastructure)

(d) Local Government Infrastructure Plan Drawings 1100-600 to 1100-623 - LGIP Plan for trunk parks and land for community facilities infrastructure

(2) The State infrastructure forming part of transport trunk infrastructure network has been identified using information provided by the relevant State infrastructure supplier.

4.5.2 Schedules of works

(1) Details of the existing and future trunk infrastructure networks are identified in the electronic Excel schedule of works model which can be viewed here: <insert link to the website where the file can be found>.

(2) The future trunk infrastructure is identified in the following tables <in Schedule 3—Local government infrastructure plan mapping and tables> :

(a) for the water supply network, Table SC3.2.1;

(b) for the sewerage network, Table SC3.2.2;

(c) for the transport network, Table SC3.2.3;

(d) for the parks and land for community facilities network, Table SC3.2.4.

Editors note – Extrinsic material

The below table identifies the documents that assist in the interpretation of the local government infrastructure plan and are extrinsic material under the *Statutory Instruments Act 1992*.

List of extrinsic material

Column 1 **Title of document**	**Column 2** **Date**	**Column 3** **Author**
Planning		
Douglas Shire Council Planning Scheme	2006	Douglas Shire Council & Cairns Regional Council
Proposed Douglas Shire Council Planning	2016	Douglas Shire Council
CRC Asset Registers and Data (During amalgamation	Various (circa 2009)	Cairns Regional Council
DSC Asset Registers and Data	2016 (part)	Douglas Shire Council
QGSO Estimated Residential Population and Population Forecasts by LGA, 2011 – 2036	2013	QGSO
FNQROC Development Manual – Issue 6	2014	FNQROC
Review of Owners Project Cost and Contingency Allowances, Evans and Peck	2009	Evans and Peck
Douglas Shire Council (DRAFT) Priority Infrastructure Plan and associated briefing notes	2010	Integran – Infrastructure Management
Douglas Shire Council - Technical briefing report – LGIP key assumptions and methodology	2017	Trinity Engineering and Consulting Pty Ltd

Column 1 Title of document	Column 2 Date	Column 3 Author
Water		
DNRM Planning guidelines for water supply and sewerage	2014	Department of Energy and Water Supply
NHMRC Australian Drinking Water Guidelines, V6	2011	Australian Government, National Health and Medical Research Council
FNQROC Development Manual – Issue 6 Works Design Guidelines D6 – Water Reticulation,	2014	FNQROC
WSAA Codes,	2011	Water Services Association of Australia.
Planning Guidelines for Water and Sewage,	2014	QLD Department of Energy and Water Supply
Mossman WWTP Interim Upgrade Report Mossman WWTP Supplementary Report Mossman WWTP Supplementary Report – Addendum	2009	Maunsell Australia Pty Ltd (Now AECOM)
Division 10 (Former Douglas Shire) Water Supply Planning Report	2009	MWH (now Stantec)
Division 10 (Former Douglas Shire) Water Supply Planning Report	2010	MWH (now Stantec)
Water and Wastewater As Constructed Plans	various	Douglas Shire Council
Water Supply and Sewerage Asset Register and Capital Works Programs	2017	Douglas Shire Council
Water and Sewerage Asset Valuations Report	2006 2016 (part)	Cardno
Douglas Shire Council – Total Management Plan	2007	Douglas Shire Council
Douglas Shire Council – Water Treatment Plants – Planning Report	1999	GHD
Douglas Shire Council – Water Treatment Plants – Planning Report	1999	Kinhill Cameron McNamara
Far North Queensland (DRAFT) Regional Water Supply Strategy	2007	Qld Government Department of Natural Resources and Water

Column 1 Title of document	Column 2 Date	Column 3 Author
Douglas Shire Council (DRAFT) Priority Infrastructure Plan (Population and Demand Model) Desired Standards of Service	2010	Integran : Infrastructure Management
Douglas Shire Council Rex Creek Intake Upgrade Options Assessment Report	2017	GHD
Waste Water		
DNRM Planning guidelines for water supply and sewerage	2014	Department of Energy and Water Supply
Mossman and Port Douglas WWTP – Catchments Sewerage Infrastructure – Growth Management Plan	2013	MWH (now Stantec
Douglas Shire Council Mossman Water Security Planning Report Reliability Assessment	2016	GHD
Maunsell (2007) Mossman Sewerage Treatment Planning Report	2007	Maunsell Australia Pty Ltd (Now AECOM)
FNQROC Development Manual – Issue 6 Works Design Guidelines D6 – Water Reticulation,	2014	FNQROC
WSAA Codes,	2011	Water Services Association of Australia.
Planning Guidelines for Water and Sewage,	2014	QLD Department of Energy and Water Supply
Mossman WWTP Interim Upgrade Report Mossman WWTP Supplementary Report Mossman WWTP Supplementary Report – Addendum	2009	Maunsell Australia Pty Ltd (Now AECOM)
Division 10 (Former Douglas Shire) Water Supply Planning Report	2009	MWH (now Stantec)
Water and Wastewater As Constructed Plans	various	Douglas Shire Council
Water Supply and Sewerage Asset Register and Capital Works Programs	2017	Douglas Shire Council
Water and Sewerage Asset Valuations Report	2006 2016 (part)	Cardno

Column 1 Title of document	Column 2 Date	Column 3 Author
Douglas Shire Council (DRAFT) Priority Infrastructure Plan (Population and Demand Model) Desired Standards of Service	2010	Integran : Infrastructure Management
Transport		
Douglas Shire Council (DRAFT) Priority Infrastructure Plan	2010	Integran : Infrastructure Management
FNQROC Development Manual – Issue 6 Works Design Guidelines D1 – Road Geometry D3 – Road Pavements D8 – Utilities D9 – Landscaping FNQROC - Standard Drawings	2014	FNQROC
Douglas Shire Council Critical Bridge Information	2007	Texcel
DSC GIS Asset Data sets	2016	Douglas Shire Council
Douglas Shire Council Report on Bitumen Sealing he Cape Tribulation Road Through World Heritage Listed Property.		
Unit Rate Book for Council Assets (#646604-v6)	2009	Cairns Regional Council
Unit Rates for Transport Network Plans (#854357)	2009	Cairns Regional Council
DSC Bridges Strategy	2009	Cairns Regional Council / Douglas Regional Council (Amalgamated)
CRC Register of Bridges	2009	Cairns Regional Council
Bridge Data	various	Department of Transport and Main Roads

Column 1 Title of document	Column 2 Date	Column 3 Author
TMR Bridge Cost Information (#2432888)	2009	Department of Transport and Main Roads (TMR)
Junction Creek Pedestrian Bridge – Detailed Design and Costing Report	2017	GHD
LGIP Wharf St Intersection Preliminary Cost Schedule	2017	Trinity Engineering and Consulting
(Future) Area of Investigation: The area of land to the West of the Highway, shown on Drawing 110-317, identifies an area currently under investigation.	To be completed	TBA
Far North Queensland Principal Cycle Network Plan	2016	Department of Transport and Main Roads (TMR)
Far North Queensland Principal Cycle Network Plan Addendum – Priority Route Maps	2017	Department of Transport and Main Roads (TMR)
Strategy Report (DRAFT) Port Douglas to Newell Beach Cycle Route	2017	Point 8 (in association with Zwart Transport Planning)
Public Parks and Land for Community Purposes P		
Douglas Shire Council (DRAFT) Priority Infrastructure Plan	2010	Integran : Infrastructure Management
Former Douglas Shire Public Parks and Land for Community Purposes Trunk Infrastructure Planning Study	2009	Strategic Leisure
FNQROC Development Manual – Issue 6 Works Design Guidelines D9 – Landscaping FNQROC - Standard Drawings	2014	FNQROC
DSC GIS Asset Data sets	2016	Douglas Shire Council
PDSLive – Extract of Property Sale	2017	PDS Live
DSC Park Embellishment Data	2010	CRC
Modelling		
Appendix C – Schedule of Works Model user manual	**2016**	**DILGP**

Column 1 Title of document	Column 2 Date	Column 3 Author
Queensland Department of Local Government and Planning, "Update on National Competition Policy Issues", Local Government Bulletin Ref 06/01; 6th June 2001	**June 2001**	Queensland Department of Local Government and Planning

Schedule 3 – Local government infrastructure plan mapping and tables

SC3.1 Planning assumption tables

Table SC3.1.1 — Existing and projected population

Column 1 **Projection area**	**Column 2** **LGIP development type**	**Column 3** **Existing and projected population**					
		Base date **2011**	**2016**	**2021**	**2026**	**2031**	**Ultimate development**
Port Douglas and Environs	Separate House	4,823	5,071	5,316	5,552	5799	6,777
	Semi, Detached, Flats	4,065	4,273	4,479	4,679	4886	5,733
	Other	1,189	1,249	1,312	1,369	1431	1,671
	Total	10,077	10,593	11,107	11,600	12,115	14,181
Mossman and Environs	Separate House	743	778	819	860	898	1,056
	Semi, Detached, Flats	626	656	691	726	759	896
	Other	182	191	201	212	222	260
	Total	1,551	1,625	1,711	1,798	**1878**	2,212
Coastal Suburbs, Villages and Townships (Cooya Beach)	Separate House	280	326	369	411	456	636
	Semi, Detached, Flats	235	275	312	348	387	541
	Other	68	81	91	101	113	157
	Total	583	682	772	860	**954.5**	1,334
Coastal Suburbs, Villages and Townships (Daintree Township)	Separate House	39	40	44	49	52	66
	Semi, Detached, Flats	33	34	37	42	44	57
	Other	10	11	11	12	13	16
	Total	82	85	92	103	**108**	139
Coastal Suburbs, Villages and Townships (Newell Beach)	Separate House	197	201	202	204	207	215
	Semi, Detached, Flats	167	168	171	171	173	179

Column 1 Projection area	Column 2 LGIP development type	Column 3 Existing and projected population					
		Base date 2011	2016	2021	2026	2031	Ultimate development
	Other	49	50	50	50	51	50
	Total	413	419	423	425	**430**	444
Coastal Suburbs, Villages and Townships (Wonga Beach)	Separate House	334	361	389	416	444	555
	Semi, Detached, Flats	282	305	329	350	374	467
	Other	82	90	96	103	110	139
	Total	698	756	814	869	**927**	1,161
Inside priority infrastructure area (total)	Separate House	6,416	6777	7139	7,492	7854	9305
	Semi, Detached, Flats	5408	5711	6019	6316	6622	7873
	Other	1580	1672	1761	1847	1938	2293
	Total	**13,404**	**14,160**	**14,919**	**15,655**	**16,413**	**19,471**
Outside priority infrastructure area (total)	Separate House	1,025	1,642	1,851	2,020	2,206	3,662
	Semi, Detached, Flats	864	1,384	1,559	1,702	1,859	3,086
	Other	253	406	456	498	544	904
	Total	**2,142**	**3,431**	**3,866**	**4,220**	**4,609**	**7,651**
Douglas Shire Council	Separate House	7,441	8,419	8,990	9,512	10,059	12,967
	Semi, Detached, Flats	6,272	7,095	7,578	8,018	8,480	10,959
	Other	1,833	2,078	2,217	2,345	2,482	3,197
	Total	**15,546**	**17,591**	**18,785**	**19,875**	**21,022**	**27,122**

Table SC3.1.2 — Existing and projected employees

Column 1 **Projection area**	**Column 2** **LGIP development type**	**Column 3** **Existing and projected employees**					
		2011	**2016**	**2021**	**2026**	**2031**	**Ultimate development**
Port Douglas and Environs	Industry	211	213	224	238	252	334
	Commercial	902.57	910	956	1,010	1,066	1,376
	Retail	192.04	194	204	215	228	299
	Community Services	76.81	77	81	86	91	119
	Other (incl. home based business, mining, construction, agriculture etc.) -	-	-	-	-	-	
	Total	1,383	1,394	1,466	1,549	1,637	**2,128**
Mossman and Environs	Industry	246	248	260	274	288	357
	Commercial	360	363	382	404	428	563
	Retail	76	76	80	85	90	118
	Community Services	38	38	40	43	45	59
	Other (incl. home based business, mining, construction, agriculture etc.) -						
	Total	**719**	**725**	**763**	**806**	**851**	**1,098**
Coastal Suburbs, Villages and Townships	Industry						
	Commercial	322	324	341	359	378	476
	Retail	76	76	80	85	90	118

Column 1 Projection area	Column 2 LGIP development type	Column 3 Existing and projected employees					
		2011	2016	2021	2026	2031	Ultimate development
	Community Services	38	38	40	43	45	59
	Other (incl. home based business, mining, construction, agriculture etc.) -						
	Total	**435**	**439**	**461**	**487**	**513**	**653**
Rural Areas & Rural Settlements	Industry						
	Commercial						
	Retail						
	Community Services						
	Other (incl. home based business, mining, construction, agriculture etc.) -						
	Total	584	589	619	654	690	**888**
Settlement Areas North of the Daintree River	Industry						
	Commercial						
	Retail						
	Community Services						
	Other (incl. home based business, mining,	58	58	62	65	69	90

Column 1 Projection area	Column 2 LGIP development type	Column 3 Existing and projected employees					
		2011	2016	2021	2026	2031	Ultimate development
	construction, agriculture etc.) -						
	Total	**58**	**58**	**62**	**65**	**69**	90
Inside priority infrastructure area (total)	Industry	*457*	461	484	511	539	691
	Commercial	1,584	1,597	1,679	1,773	1,872	2,415
	Retail	343	346	364	386	408	536
	Community Services	153	154	162	171	181	238
	Other (incl. home based business, mining, construction, agriculture etc.) -						
	Total	**2,537**	**2,558**	**2,690**	**2,842**	**3,000**	**3,879**
Outside priority infrastructure area (total)	Industry						
	Commercial						
	Retail						
	Community Services						
	Other (incl. home based business, mining, construction, agriculture etc.) -	642	647	681	719	759	978
	Total	**642**	**647**	**681**	**719**	**759**	978
Douglas Shire Council	Industry	457	461	484	511	539	691
	Commercial	1,584	1,597	1,679	1,773	1,872	2,415

Column 1 Projection area	Column 2 LGIP development type	Column 3 Existing and projected employees					
		2011	2016	2021	2026	2031	Ultimate development
	Retail	343	346	364	386	408	536
	Community Services	153	154	162	171	181	238
	Other (incl. home based business, mining, construction, agriculture etc.) -	642	647	681	719	759	978
	Total	**3,179**	**3,205**	**3,370**	**3,560**	**3,759**	**4,857**

Table SC3.1.3 —Planned density and demand generation rate for a trunk infrastructure network

Column 1 **Area classification**	**Column 2** **LGIP development type**	**Developable Ha**	**Column 3** **Planned density**		**Column 4** **Demand generation rate for a trunk infrastructure network**				
			Non-residential plot ratio	**Residential density (dwellings/ dev ha)**	**Water supply network (EP/dev ha)**	**Sewerage network (EP/dev ha)**	**Transport network (vpd/dev ha)**	**Parks and land for community facilities network (ha/1000 persons)**	**Stormwater network (imp ha/dev ha)**
(Broad Hectare Rates)	**Residential development**								
	Rural	22,113.78	N/A	0.02	0.5	0.5	10	4.8	0.05
	Rural Settlement	982.56	N/A	2	5.2	5.2	10	4.8	0.2
	Residential 1	480.63	N/A	10	25.9	25.9	100	4.8	0.6
	Residential 2	83.75	N/A	40	44.0	44.0	150	4.8	0.8
	Non-residential development and mixed development[11]								
	Tourist and Residential	115.98	0.51	40	88.8	88.8	300	4.8	0.8
	Commercial/ Retail	36.62	0.75	40	25.9	25.9	400	4.8	0.9
	Industry	72.45	0.50	12	31.1	31.1	200	4.8	0.9
	Community and Recreational Facilities	355.40	0.5	10	25.9	25.9	120	4.8	0.2
	Conservation	187,722.42	N/A	1.5	3.9	3.9	10	4.8	0.0
Coastal Suburbs, Villages and Townships	**Residential development**								
	Rural	49.14	N/A	0.02	0.0518	0.0518	0.2	4.8	0.05
	Rural Settlement	13.90	N/A	2	5.18	5.18	20	4.8	0.2

Note—[11]*1. Mixed development is development that includes residential development and non-residential development.*

Column 1 Area classification	Column 2 LGIP development type	Developable Ha	Column 3 Planned density		Column 4 Demand generation rate for a trunk infrastructure network				
			Non-residential plot ratio	Residential density (dwellings/ dev ha)	Water supply network (EP/dev ha)	Sewerage network (EP/dev ha)	Transport network (vpd/dev ha)	Parks and land for community facilities network (ha/1000 persons)	Stormwater network (imp ha/dev ha)
	Residential 1	148.59	N/A	7	18.13	18.13	70	4.8	0.6
	Residential 2	4.08	N/A	7	18.13	18.13	70	4.8	0.8
	Non-residential development and mixed development								
	Tourist and Residential	11.89	0.35	6	15.54	13.3	45	4.8	0.8
	Commercial/ Retail	4.25	0.75	40	103.6	103.6	400	4.8	0.9
	Industry	-	0.50	12	31.08	31.08	120	4.8	0.9
	Community and Recreational Facilities	69.17	0.5	10	25.9	25.9	100	4.8	0.2
	Conservation	16.98	N/A	1.5	3.885	3.885	15	4.8	0.0
Mossman & Environs	**Residential development**								
	Rural	147.12	N/A	0.02	0.0518	0.0518	0.2	4.8	0.05
	Rural Settlement	33.99	N/A	2	5.18	5.18	20	4.8	0.2
	Residential 1	158.61	N/A	9	23.31	23.31	90	4.8	0.6
	Residential 2	26.64	N/A	9	23.31	23.31	90	4.8	0.8
	Non-residential development and mixed development								
	Tourist and Residential	0	0.51	40	88.8	88.8	300	4.8	0.8
	Commercial/ Retail	12.28	0.75	40	103.6	103.6	400	4.8	0.9

Column 1 Area classification	Column 2 LGIP development type	Developable Ha	Column 3 Planned density		Column 4 Demand generation rate for a trunk infrastructure network				
			Non-residential plot ratio	Residential density (dwellings/ dev ha)	Water supply network (EP/dev ha)	Sewerage network (EP/dev ha)	Transport network (vpd/dev ha)	Parks and land for community facilities network (ha/1000 persons)	Stormwater network (imp ha/dev ha)
	Industry	48.66	0.50	12	31.08	31.08	120	4.8	0.9
	Community and Recreational Facilities	50.65	0.5	10	25.9	25.9	100	4.8	0.2
	Conservation	93.74	N/A	1.5	3.885	3.885	15	4.8	0.0
Port Douglas & Environs	**Residential development**								
	Rural	0.26	N/A	0.02	0.0518	0.0518	0.2	4.8	0.05
	Rural Settlement		N/A	2	5.18	5.18	20	4.8	0.2
	Residential 1 (Low Scale - Special Management Area_Flagstaff Hill) [12]		N/A	7	17.094	17.094	66	4.8	0.4
	Residential 1 (Low Scale - Special Management Area Residential Growth Area) [14]		N/A	12	31.08	31.08	120	4.8	0.4
	Residential 1 (Low Scale - Specific Overlay Reef Park Residential Estate) [14]		N/A	10	25.9	25.9	100	4.8	0.4
	Residential 1 (Low Scale - Specific Overlay Solander Residential Estate) [14]		N/A	10	25.9	25.9	100	4.8	0.4

[12] Special Planning Overlay requirement

Column 1 Area classification	Column 2 LGIP development type	Developable Ha	Column 3 Planned density		Column 4 Demand generation rate for a trunk infrastructure network				
			Non-residential plot ratio	Residential density (dwellings/ dev ha)	Water supply network (EP/dev ha)	Sewerage network (EP/dev ha)	Transport network (vpd/dev ha)	Parks and land for community facilities network (ha/1000 persons)	Stormwater network (imp ha/dev ha)
	Residential 1 (High Scale) [14]		N/A	12	31.08	31.08	120	4.8	0.6
	Residential 1 (Other) [14]	170.36	N/A	9	23.31	23.31	90	4.8	0.6
	Residential 2 (Medium Scale) [14]	53.03	N/A	34	88.8	76.1	257.1	4.8	0.75
	Non-residential development and mixed development								
	Tourist and Residential (High Scale) [14]		0.8	51	133.2	114.2	385.7	4.8	1
	Tourist and Residential (Medium Scale) [14]	100.73	0.45	26	66.6	57.1	192.9	4.8	0.9
	Tourist and Residential (Other) [14]	20.08	0.45	34	88.8	76.1	257.1	4.8	0.8
	Commercial (High Scale - Tourist Centre) [14]	23.18	1	51	133.2	114.2	385.7	4.8	1
	Industry	171.94	N/A	0.5	31.08	31.08	120	4.8	0.9
	Community and Recreational Facilities	44.21	0.5	0.8	2.072	2.072	8	4.8	0.2
	Conservation	100.73		1	2.59	2.59	10	4.8	0.0
Rural Areas and Rural Settlement	**Residential development**								
	Rural	19,871.93	N/A	0.02	0.0518	0.0518	0.2	4.8	0.05
	Rural Settlement	544.76	N/A	2	5.18	5.18	20	4.8	0.2

Column 1 Area classification	Column 2 LGIP development type	Developable Ha	Column 3 Planned density		Column 4 Demand generation rate for a trunk infrastructure network				
			Non-residential plot ratio	Residential density (dwellings/ dev ha)	Water supply network (EP/dev ha)	Sewerage network (EP/dev ha)	Transport network (vpd/dev ha)	Parks and land for community facilities network (ha/1000 persons)	Stormwater network (imp ha/dev ha)
	Residential 1	3.07	N/A	7	18.13	18.13	70	4.8	0.6
	Residential 2	-		9	23.31	23.31	90	4.8	0.8
	Non-residential development and mixed development								
	Tourist and Residential	3.36	0.35	6	15.54	13.3	45	4.8	0.8
	Commercial/ Retail	-	0.75	40	103.6	103.6	400	4.8	0.9
	Industry	0.61	0.50	12	31.08	31.08	120	4.8	0.9
	Community and Recreational Facilities	63.64	0.5	10	25.9	25.9	100	4.8	0.2
	Conservation	684.56	N/A	1.5	3.885	3.885	15	4.8	0.0
Settlement Areas North of the Daintree	**Residential development**								
	Rural	2,045.32	N/A	0.25	0.6475	0.6475	2.5	4.8	0.05
	Rural Settlement	389.91	N/A	2.5	6.475	6.475	25	4.8	0.2
	Residential 1		N/A	7	18.13	18.13	70	4.8	0.6
	Residential 2		N/A	9	23.31	23.31	90	4.8	0.8
	Non-residential development and mixed development								
	Tourist and Residential		0.51	40	103.6	88.8	300	4.8	0.8
	Commercial/ Retail		0.75	40	103.6	103.6	400	4.8	0.9
	Industry		0.50	12	31.08	31.08	120	4.8	0.9

Column 1 Area classification	Column 2 LGIP development type	Developable Ha	Column 3 Planned density		Column 4 Demand generation rate for a trunk infrastructure network				
			Non-residential plot ratio	Residential density (dwellings/ dev ha)	Water supply network (EP/dev ha)	Sewerage network (EP/dev ha)	Transport network (vpd/dev ha)	Parks and land for community facilities network (ha/1000 persons)	Stormwater network (imp ha/dev ha)
	Community and Recreational Facilities		0.5	10	25.9	25.9	100	4.8	0.2
	Conservation	2,441.17	N/A	1.5	3.885	3.885	15	4.8	0.0
World Heritage Areas and Environs	**Residential development**								
	Rural		N/A	0	0	0	0	4.8	0.05
	Rural Settlement		N/A	2.5	6.475	6.475	25	4.8	0.2
	Residential 1		N/A	7	18.13	18.13	70	4.8	0.6
	Residential 2		N/A	9	23.31	23.31	90	4.8	0.8
	Non-residential development and mixed development								
	Tourist and Residential								
	Commercial/ Retail								
	Industry								
	Community and Recreational Facilities								
	Conservation	184,441.76							

Table SC3.1.4—Existing and projected residential dwellings

Column 1 **Projection area**	**Column 2** **LGIP development type**	**Column 3** **Existing and projected residential dwellings**					
		Base Date **2011**	**2016**	**2021**	**2026**	**2031**	**Ultimate development**
Port Douglas and Environs	Separate House	1,862	2,020	2,188	2,362	2545	3,709
	Semi, Detached, Flats	1,831	1,987	2,154	2,328	2509	3,669
	Other	626	679	737	796	852	1,256
	Total	**4,319**	**4,686**	**5,079**	**5,486**	**5905**	**8,634**
Mossman and Environs	Separate House	287	310	337	366	391	582
	Semi, Detached, Flats	282	305	332	361	386	577
	Other	96	104	113	123	132	197
	Total	**665**	**719**	**782**	**850**	**909**	**1,356**
Coastal Suburbs, Villages and Townships (Cooya Beach)	Separate House	108	130	152	175	197	354
	Semi, Detached, Flats	106	128	150	173	195	352
	Other	36	44	51	59	67	119
	Total	**250**	**302**	**353**	**407**	**459**	**825**
Coastal Suburbs, Villages and Townships (Daintree Township)	Separate House	15	16	18	21	23	39
	Semi, Detached, Flats	15	16	18	21	23	39
	Other	5	6	6	7	8	11

Table SC3.1.4—Existing and projected residential dwellings

Column 1 **Projection area**	**Column 2** **LGIP development type**	**Column 3** **Existing and projected residential dwellings**					
		Base Date 2011	**2016**	**2021**	**2026**	**2031**	**Ultimate development**
	Total	**35**	**38**	**42**	**49**	**53**	**88**
Coastal Suburbs, Villages and Townships (Newell Beach)	Separate House	76	80	83	87	91	115
	Semi, Detached, Flats	75	78	82	85	89	113
	Other	26	27	28	29	30	37
	Total	**177**	**185**	**193**	**201**	**209**	**265**
Coastal Suburbs, Villages and Townships (Wonga Beach)	Separate House	129	144	160	177	193	307
	Semi, Detached, Flats	127	142	158	174	190	301
	Other	43	49	54	60	66	104
	Total	**299**	**335**	**372**	**411**	**448**	**711**
Inside priority infrastructure area (total)	Separate House	2,477	2,700	2,938	3,188	3439	5,105
	Semi, Detached, Flats	2,436	2,656	2,894	3,142	3390	5,050
	Other	832	909	989	1,074	1153	1,724
	Total	**2,034**	**2,066**	**2,103**	**2,145**	**7981**	**11879**
Outside priority infrastructure area (total)	Separate House	877	890	906	924	939	1,054
	Semi, Detached, Flats	862	876	892	910	925	1,041
	Other	295	300	305	311	316	354

Table SC3.1.4—Existing and projected residential dwellings

Column 1 **Projection area**	**Column 2** **LGIP development type**	**Column 3** **Existing and projected residential dwellings**					
		Base Date **2011**	**2016**	**2021**	**2026**	**2031**	**Ultimate development**
	Total	**2,034**	**2,066**	**2,103**	**2,145**	**2180**	**2,449**
Douglas Shire Council	Separate House	3,354	3,590	3,844	4,112	4377	6,159
	Semi, Detached, Flats	3,298	3,532	3,786	4,052	4315	6,091
	Other	1,127	1,209	1,294	1,385	1469	2,078
	Total	**7,779**	**8,331**	**8,924**	**9,549**	**10161**	**14,328**

Table SC3.1.5Existing and projected non-residential floor space

Column 1 Projection area	Column 2 LGIP development type	Column 3 Existing and projected non-residential floor space (m^2 GFA)					
		2011	**2016**	**2021**	**2026**	**2031**	**Ultimate development**
Port Douglas and Environs	Industrial	35,064	36,714	38,514	40,164	41,892	52,149
	Commercial	27,895.81	29,306	30,716	32,096	33,508	41,912
	Retail	6,339.47	6,639	6,939	7,239	7,539	9,339
	Community Services	2,166.67	2,267	2,367	2,467	2,567	3,167
	Others (incl. home based business)	-	-	-	-	-	-
	Total	71,466	74,926	78,536	81,966	85,506	106,567
Mossman and Environs	Industrial	37,986	39,936	41,886	43,686	45,639	57,066
	Commercial	11,386.05	11,956	12,526	13,096	13,667	17,086
	Retail	2,305.26	2,425	2,545	2,665	2,785	3,505
	Community Services	866.67	917	967	1,017	1,067	1,367
	Others (incl. home based business)	-	-	-	-	-	-
	Total	52,544	55,234	57,924	60,464	63,158	79,024
Coastal Suburbs, Villages and Townships	Industrial	-	-	-	-	-	-
	Commercial	9,678.14	10,188	10,698	11,178	11,689	14,694
	Retail	2,305.26	2,425	2,545	2,665	2,785	3,505
	Community Services	866.67	917	967	1,017	1,067	1,367
	Others (incl. home based business)	-	-	-	-	-	-
	Total	12,850	13,530	14,210	14,860	15,541	19,566
	Industrial	73,050	76,650	80,400	83,850	87,530	109,215

Table SC3.1.5Existing and projected non-residential floor space

Column 1 **Projection area**	**Column 2** **LGIP development type**	**Column 3** **Existing and projected non-residential floor space (m^2 GFA)**					
		2011	**2016**	**2021**	**2026**	**2031**	**Ultimate development**
Inside priority infrastructure area (total)	Commercial	48,960	51,450	53,940	56,370	58,864	73,692
	Retail	10,950	11,490	12,030	12,570	13,109	16,349
	Community Services	3,900	4,100	4,300	4,500	4,702	5,901
	Others (incl. home based business)	-	-	-	-	0	0
	Total	136,860	143,690	150,670	157,290	164,205	205,157
Outside priority infrastructure area (total)	Industrial	-	-	-	-		
	Commercial	-	-	-	-		
	Retail	-	-	-	-		
	Community Services	-	-	-	-		
	Others (incl. home based business)	-	-	-	-		-
	Total	-	-	-	-		-
Douglas Shire Council	Industrial	73,050	76,650	80,400	83,850	87,530	109,215
	Commercial	48,960	51,450	53,940	56,370	58,864	73,692
	Retail	10,950	11,490	12,030	12,570	13,109	16,349
	Community Services	3,900	4,100	4,300	4,500	4,702	5,901
	Others (incl. home based business)	-	-	-	-	0	-
	Total	136,860	143,690	150,670	157,290	164,205	205,157

SC3.2 Schedules of works

Table SC3.2.1—Water supply network schedule of works

Column 1 Map reference	Column 2 Trunk infrastructure	Column 3 Estimated timing	Column 4 Establishment cost[13]
WIF001	WIF001_Raw Water Intake_Existing Mossman Intake 2-Stage 1 (Upgrade)	2016	$ 242,298
WIF001	WIF001_Raw Water Intake_Existing Mossman Intake 2-Stage2 (Upgrade)	2018	$ 1,296,011
WRF001	WRF001_Reservoir_Cooya Reservoir 2 (1.8 ML)	2009	$ 2,854,125
WRF002	WRF002_Reservoir_Future Reservoir (20+ ML)	2015	$ 16,770,000
WRF003	WRF003_Reservoir_Wonga Beach (1.3 ML)	2014	$ 560,381
WRF004	WRF004_Reservoir_Mossman Reservoir (3.3 ML)	2031	$ 2,001,732
WMF001	WMF001_Water Main_225 mm dia_UPVC	2011	$ 631,798
WMF002	WMF002_Water Main_225 mm dia_DICL	2011	$ 155,902
WMF003(i)	WMF003(i)_Water_Main_Interim_150 mm dia_UPVC_Teamster Park to Caravan Park	2014	$ 27,482
WMF003(ii)	WMF003(ii)_Water_Main_Interim_150 mm dia_UPVC_Caravan Park to Creek	2017	$ 196,009
WMF003(iii)	WMF003(iii)_Water_Main_Interim_150 mm dia_UPVC_Creek to Resevoir	2019	$ 270,489
WMF003	WMF003_Water Main_225 mm dia_UPVC (Ultimate Upgrade)	2011	$ 618,193
WMF004	WMF004_Water Main_450 mm dia_DICL	2011	$ 943,147
WMF005	WMF005_Water Main_225 mm dia_UPVC	2014	$ 317,021
WMF006	WMF006_Water Main_225 mm dia_UPVC	2017	$ 200,393
WMF007(i)	WMF007_Water Main_150 mm dia_UPVC	2019	$ 1,001,689
WMF007(ii)	WMF007A_Water Main_225 mm dia_UPVC	2012	$ 323,996
WMF008	WMF008_Water Main_225 mm dia_DICL	2026	$ 1,195,903
WMF009	WMF009_Water Main_300 mm dia_DICL	2011	$ 1,402
WMF010	WMF010_Water Main_450 mm dia_DICL	2011	$ 2,641,785
WMF011	WMF011_Water Main_450 mm dia_DICL	2011	$ 5,100,774
WMF012	WMF012_Water Main_225 mm dia_DICL	2011	$ 71,343
WMF013	WMF013_Water Main_225 mm dia_DICL	2011	$ 67,029
WMF014	WMF014_Water Main_225 mm dia_DICL	2026	$ 529,927
WMF015	WMF015_Water Main_225 mm dia_DICL	2026	$ 99,366

Note—The establishment cost is expressed as gross cost

Table SC3.2.1—Water supply network schedule of works

Column 1 Map reference	Column 2 Trunk infrastructure	Column 3 Estimated timing	Column 4 Establishment cost[13]
TOTAL			**$38,118,195**

Table SC3.2.2—Sewerage network schedule of works

Column 1 Map reference	Column 2 Trunk infrastructure	Column 3 Estimated timing	Column 4 Establishment cost
SPSF001	SPSF001_Andreassen Road Pump Station	2021	$ 549,887
SPSF004	SPSF004_Newell Road Pump Station	2021	$ 549,887
SPSF006	SPSF006_Mossman WWTP Reuse Pump Station Stage 2	2031	$ 573,795
SPSF007	SPSF007_Mossman Golf Course Reuse Pump Station	2031	$ 573,795
SPSF008	SPSF008_Existing Mossman WWTP PS Upgrade	2031	$ 573,795
SSFF001	SSFF001_Mossman Golf Club Reuse Storage Facility - 3 ML	2031	$ 491,824
SSFF002	SSFF002_Mossman WWTP reuse Storage Facility - 1 ML	2031	$ 1,639,415
STPF001	STPF001_Interim Mossman WWTP Upgrade - Regulate flows UPGRADE	2011	$ 345,061
STPF002	STPF002_Interim Mossman WWTP Upgrade - Alternative sludge infrastructure UPGRADE	2015	$ 1,305,324
STPF003	STPF003_Mossman WWTP Upgrade Stage 1 including Effluent reuse PS Stage 1UPGRADE	2027	$ 23,234,332
STPF004	STPF004_Mossman WWTP Upgrade Stage 2UPGRADE	2031	$ 5,885,893
EMF001	EMF001_Effluent Rising Main_100 mm dia_Trunk	2031	$ 1,113,350
RMF004	RMF004_Rising Main_100 mm dia_Trunk	2017	$ 58,231
RMF068	RMF068_Rising Mains_150 mm dia_Craiglie_Trunk	2021	$ 303,604
RMF067	RMF067_Rising Mains_250 mm dia_Wonga_Trunk	2021	$ 2,376,766
RMF068	RMF068_Rising Mains_150 mm dia_Wonga_Trunk	2021	$ 380,168

Table SC3.2.2—Sewerage network schedule of works

Column 1 Map reference	Column 2 Trunk infrastructure	Column 3 Estimated timing	Column 4 Establishment cost
RMF069	RMF069_Rising Mains_150 mm dia_Wonga_Trunk	2026	$ 83,945
TOTAL			**$40,039,074**

Table 3.2.3—Transport network schedule of works

Column 1 Map reference	Column 2 Trunk infrastructure	Column 3 Estimated timing	Column 4 Establishment cost
TRANSPORT (FUTURE TRUNK ROADS)			
TRF006	TRF006_Andreassen Road_Future_Urban Major Collector	2026	$ 1,673,655
TRF007	TRF007_Wabul Street_Future_Urban Major Collector	2028	$ 1,537,991
TRF008	TRF008_Wabul Street_Future_Urban Major Collector	2030	$ 1,586,270
TRF009	TRF009_Wabul Street_Upgrade_Urban Major Collector	2031	$ 1,187,617
TRF010	TRF010_Milman Drive_Upgrade_Urban Major Collector	2026	$ 1,410,087
TRF011	TRF011_Downing Street_Upgrade_Urban Major Collector	2026	$ 1,622,480
TRF012	TRF012_Wharf Street_Upgrade_Urban Major Collector	2022	$ 4,092,235
TRF013	TRF013_Wharf Street_Upgrade_Urban Major Collector	2022	$ 3,639,233
TRF032	TRF032_Melaleuca Dr & Bougainvillea Street_Upgrade_Rural Major Collector	2031	$ 2,543,741
TRF033	TRF033_Bougainvillea Street_Upgrade_Urban Major Collector	2021	$ 686,357
TRF034	TRF034_Bougainvillea Street_Upgrade_Urban Major Collector	2021	$ 2,502,455
TRF036	TRF036_Palm Street_Upgrade_Urban Major Collector	2021	$ 500,304
TRF037	TRF037_Palm Street_Upgrade_Urban Major Collector	2021	$ 367,382
TRF038	TRF038_Palm Street_Upgrade_Urban Major Collector	2021	$ 324,582
TRF039	TRF039_Cooya Beach Road_Upgrade_Urban Major Collector	2021	$ 1,137,134

TRF043	TRF043_Forest Glen Drive_Future_Urban Major Collector	2026	$1,937,987
TRF044	TRF044_Daintree Horizon Drive_Future_Urban Major Collector	2031	$2,840,005
TRF075	TRF075_Snapper Island Drive_Upgrade_Rural Minor Collector	2031	$ 912,435
TRF076	TRF076_Snapper Island Drive_Future_Urban Minor Collector	2031	$ 2,902,445
TRF077	TRF077_Vixies Road_Upgrade_Urban Minor Collector	2031	$ 5,361,125
TRANSPORT (FUTURE TRUNK STRUCTURE - ROADS)			
SCF011	SCF011_Culvert Crossing - Cnr Millman Drive and Downing Street Upgrade of Existing Sub-standard Culvert Structures to meet flow requirements Structures: Culverts (RCBC: 5x 1200*1800)	2031	$ 854,840
SCF012	SCF012_Culvert Crossing - Trunk Drainage Line (Wabul Street)__Structures: Culverts (RCBC: 16x 1200*900)	2022	$ 949,822
SCF013	SCF013_Craiglie - Trunk Drainage Line__Trunk Drainage Line	2011	$ 580,500
TRANSPORT (FUTURE TRUNK PATH)			
FPF001	TRUNK_PATH_Port Douglas Road	2016	$ 31,722
FPF002	TRUNK_PATH_CAPT COOK HIGHWAY	2017	$ 42,006
FPF003	TRUNK_PATH_OFF OLD PORT ROAD	2017	$ 183,387
FPF004	TRUNK_PATH_OFF ULYSSES AVENUE	2017	$ 9,385
FPF005	TRUNK_PATH_OFF ULYSSES AVENUE	2017	$ 13,349
FPF006	TRUNK_PATH_OFF ULYSSES AVENUE	2017	$ 10,666
FPF007	TRUNK_PATH_Oriole Street	2017	$ 49,694
FPF008	TRUNK_PATH_Brolga Street	2017	$ 50,047
FPF009	TRUNK_PATH_NAUTILUS STREET	2016	$ 22,376
FPF010	FPF001_Port Douglas Road _TRUNK_PATH_Port Douglas Road _Concrete_Path	2016	$ 12,529
FPF011	FPF002_CAPT COOK HIGHWAY_TRUNK_PATH_CAPT COOK HIGHWAY_Concrete_Path	2017	$ 41,853

FPF015	FPF003_OFF OLD PORT ROAD_TRUNK_PATH_OFF OLD PORT ROAD_Concrete_Path	2017	$ 9,662
FPF016	FPF004_OFF ULYSSES AVENUE_TRUNK_PATH_OFF ULYSSES AVENUE_Concrete_Path	2017	$ 23,089
FPF017	FPF005_OFF ULYSSES AVENUE_TRUNK_PATH_OFF ULYSSES AVENUE_Concrete_Path	2017	$ 21,453
FPF018	FPF006_OFF ULYSSES AVENUE_TRUNK_PATH_OFF ULYSSES AVENUE_Concrete_Path	2017	$ 13,216
FPF019	FPF007_Oriole Street_TRUNK_PATH_Oriole Street_Concrete_Path	2017	$ 11,245
FPF020	FPF008_Brolga Street _TRUNK_PATH_Brolga Street _Concrete_Path	2017	$ 6,317
FPF021	FPF009_NAUTILUS STREET_TRUNK_PATH_NAUTILUS STREET_Concrete_Path	2016	$ 23,274
FPF022	FPF010_NAUTILUS STREET_TRUNK_PATH_NAUTILUS STREET_Concrete_Path	2016	$ 39,970
FPF024	FPF015_REEF STREET_TRUNK_PATH_REEF STREET_Concrete_Path	2016	$ 6,885
FPF025	FPF016_REEF STREET_TRUNK_PATH_REEF STREET_Concrete_Path	2016	$ 47,169
FPF026	FPF017_REEF STREET_TRUNK_PATH_REEF STREET_Concrete_Path	2016	$ 37,220
FPF027	FPF018_REEF STREET_TRUNK_PATH_REEF STREET_Concrete_Path	2016	$ 65,388
FPF028	FPF019_REEF STREET_TRUNK_PATH_REEF STREET_Concrete_Path	2016	$ 15,380
FPF029	FPF020_REEF STREET_TRUNK_PATH_REEF STREET_Concrete_Path	2016	$ 12,413
FPF030	FPF021_OFF MURPHY STREET_TRUNK_PATH_OFF MURPHY STREET_Concrete_Path	2018	$ 126,603
FPF031	FPF022_OFF MURPHY STREET_TRUNK_PATH_OFF MURPHY STREET_Concrete_Path	2018	$ 29,845
FPF032	FPF023_OFF OWEN STREET_TRUNK_PATH_OFF OWEN STREET_Concrete_Path	2018	$ 344,721

FPF033	FPF024_OFF OWEN STREET_TRUNK_PATH_OFF OWEN STREET_Concrete_Path	2018	$ 379,580
FPF034	FPF025_OFF WARNER STREET_TRUNK_PATH_OFF WARNER STREET_Concrete_Path	2019	$ 241,873
FPF035	FPF026_OFF MURPHY STREET_TRUNK_PATH_OFF MURPHY STREET_Concrete_Path	2018	$ 616,091
FPF036	FPF027_OFF MURPHY STREET_TRUNK_PATH_OFF MURPHY STREET_Concrete_Path	2018	$ 28,810
FPF037	FPF028_OFF MURPHY STREET_TRUNK_PATH_OFF MURPHY STREET_Concrete_Path	2018	$ 24,066
FPF038	FPF029_OFF WARNER STREET_TRUNK_PATH_OFF WARNER STREET_Concrete_Path	2019	$ 26,621
FPF039	FPF030_Port Douglas Sports Reserve_TRUNK_PATH_Port Douglas Sports Reserve_Concrete_Path	2022	$ 67,935
FPF040	FPF031_OFF WHARF STREET_TRUNK_PATH_OFF WHARF STREET_Concrete_Path	2022	$ 185,321
FPF041	FPF032_BONNIE DOON ROAD_TRUNK_PATH_BONNIE DOON ROAD_Concrete_Path	2021	$ 10,010
FPF042	FPF033_BONNIE DOON ROAD_TRUNK_PATH_BONNIE DOON ROAD_Concrete_Path	2021	$ 257,656
FPF044	FPF034_MELALEUCA DRIVE_TRUNK_PATH_MELALEUCA DRIVE_Concrete_Path	2021	$ 66,240
FPF045	FPF035_OFF COOYA BEACH RD_TRUNK_PATH_OFF COOYA BEACH RD_Concrete_Path	2021	$ 133,004
FPF046	FPF036_BOUGAINVILLEA STREET_TRUNK_PATH_BOUGAIN VILLEA STREET_Concrete_Path	2021	$ 42,751
FPF047	FPF037_BOUGAINVILLEA STREET_TRUNK_PATH_BOUGAIN VILLEA STREET_Concrete_Path	2021	$ 28,519
FPF048	FPF038_BOUGAINAVILLEA STEET_TRUNK_PATH_BOUGAINA VILLEA STEET_Concrete_Path	2021	$ 20,476
FPF049	FPF039_BOUGAINVILLEA STREET_TRUNK_PATH_BOUGAIN VILLEA STREET_Concrete_Path	2021	$ 32,855

FPF050	FPF040_BOUGAINVILLEA STREET_TRUNK_PATH_BOUGAIN VILLEA STREET_Concrete_Path	2021	$ 9,235
FPF055	FPF041_Res_pathway_TRUNK_PA TH_Res_pathway_Concrete_Path	2022	$ 12,116
FPF056	FPF042_DAINTREE HORIZON DRIVE_TRUNK_PATH_DAINTREE HORIZON DRIVE_Concrete_Path	2026	$ 18,186
FPF057	FPF044_FOREST GLEN ROAD_TRUNK_PATH_FOREST GLEN ROAD_Concrete_Path	2026	$ 84,956
FPF058	FPF045_OFF CORAL SEA DRIVE_TRUNK_PATH_OFF CORAL SEA DRIVE_Concrete_Path	2026	$ 173,736
FPF060	FPF046_OWEN STREET_TRUNK_PATH_OWEN STREET_Concrete_Path	2021	$ 17,496
FPF061	FPF047_OWEN STREET_TRUNK_PATH_OWEN STREET_Concrete_Path	2021	$ 16,978
FPF062	FPF048_BOW STREET_TRUNK_PATH_BOW STREET_Concrete_Path	2021	$ 28,418
FPF063	FPF049_ENID MAY LANE_TRUNK_PATH_ENID MAY LANE_Concrete_Path	2021	$ 31,361
FPF065	FPF050_Manjal Dimbi (Middlemiss Park)_TRUNK_PATH_Manjal Dimbi (Middlemiss Park)_Concrete_Path	2021	$ 19,255
FPF066	FPF055_FOREST GLEN ROAD_TRUNK_PATH_FOREST GLEN ROAD_Concrete_Path	2026	$ 56,632
FPF067	FPF056_GIBLIN STREET_TRUNK_PATH_GIBLIN STREET_Concrete_Path	2031	$ 24,818
FPF068	FPF057_SNAPPER ISLAND DRIVE_TRUNK_PATH_SNAPPER ISLAND DRIVE_Concrete_Path	2031	$ 9,187
FPF069	FPF058_SNAPPER ISLAND DRIVE_TRUNK_PATH_SNAPPER ISLAND DRIVE_Concrete_Path	2031	$ 23,420
FPF070	FPF070_Coral Sea _TRUNK_PATH_Birdwing Street_Concrete_Path	2017	$ 25,798
FPBF001	FPBF001_JUNCTION CREEK PEDESTRIAN BRIDGE	2020	$ 703,800
TOTAL			**$47,525,832**

Table 3.2.4—Parks and land for community facilities schedule of works

Column 1 Map reference	Column 2 Trunk infrastructure	Column 3 Estimated timing	Column 4 Establishment cost[14]
PPLC061	PPLC061_Lou Prince Park_UPGRADE (Local Recreation Park-Bonnie Doon)	2020	$ 89,558
PPLC062	PPLC062_Cooya Beach/Mossman River_UPGRADE (Land for Drainage Purposes-Bonnie Doon)	2020	$ -
PPLC063	PPLC063_New Local Park_New Park (Local Recreation Park-Mossman)	2020	$ 1,114,937
PPLC064	PPLC064_New Local Park_New Park (Local Recreation Park-Craiglie)	2015	$ 1,163,412
PPLC065	PPLC065_New Local Park_New Park (Local Recreation Park-Craiglie)	2024	$ 251,246
PPLC066	PPLC066_Jim Holdsworth Park_UPGRADE (District Recreation Park-Cooya Beach)	2020	$ 817,416
PPLC067	PPLC067_Newell Beach Esplanade_UPGRADE (District Recreation Park-Newell)	2021	$ 490,450
PPLC068	PPLC068_Wonga Community Park_UPGRADE (District Recreation Park-Wonga)	2022	$ 511,773
PPLC069	PPLC069_George Davis Park_UPGRADE (Local Government Wide Recreation Park-Mossman)	2023	$ 852,956
PPLC070	PPLC070_4 Mile Park_UPGRADE (District Recreation Park-Port Douglas)	2024	$ 852,956
PPLC071	PPLC071_Rex Smeal Park_UPGRADE (District Recreation Park-Port Douglas)	2025	$ 852,956
PPLC085	PPLC085_New District Sports Park (Future)_New Park (District Sports Park-Cooya Beach)	2021	$ 1,593,424
PPLC086	PPLC086_Coronation Park/Show Grounds - Upgrade_UPGRADE (Local Government Wide Sports Park-Mossman)	2024	$ 2,062,176

Note—11. Table 3.2.4 Column 4 The establishment cost is expressed in current cost terms as at the base date.

Table 3.2.4—Parks and land for community facilities schedule of works

Column 1 **Map reference**	**Column 2** **Trunk infrastructure**	**Column 3** **Estimated timing**	**Column 4** **Establishment cost**[14]
PPLC087	PPLC087_Port Douglas Sports Reserve -Upgrade_UPGRADE (District Sports Park-Port Douglas)	2026	$ 2,288,399
PPLC092	PPLC092_New District Sports Park (Future)_New Park (District Sports Park-Wonga Beach)	2026	$ 941,105
PPLC093	PPLC093_Daintree Sports Oval - Upgrade_Upgrade (District Sports Park-Daintree)	2025	$ 712,707
PPLC094	PPLC094_Diwan Sports Reserve - Upgrade_Upgrade (District Sports Park-Diwan)	2025	$ 649,719
TOTAL			**$15,245,189**

DOUGLAS SHIRE COUNCIL

Trinity Engineering and Consulting

LOCAL GOVERNMENT INFRASTRUCTURE PLANS (PLANNING LOCALITIES)

for

DOUGLAS SHIRE COUNCIL

SCHEDULE OF PROJECT DRAWINGS

1100–000	DRAWING INDEX
1100–001	PLANNING LOCALITIES AREAS
1100–002	PLANNING LOCALITIES KEY MAP
1100–003	PLANNING LOCALITIES – GRID 1
1100–004	PLANNING LOCALITIES – GRID 2
1100–005	PLANNING LOCALITIES – GRID 3
1100–006	PLANNING LOCALITIES – GRID 4
1100–007	PLANNING LOCALITIES – GRID 5

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LEGEND

LOCALITIES

- COASTAL SUBURBS, VILLAGES AND TOWNSHIPS (COOYA BEACH)
- COASTAL SUBURBS, VILLAGES AND TOWNSHIPS (DAINTREE TOWNSHIP)
- COASTAL SUBURBS, VILLAGES AND TOWNSHIPS (NEWELL BEACH)
- COASTAL SUBURBS, VILLAGES AND TOWNSHIPS (WANGETTI)
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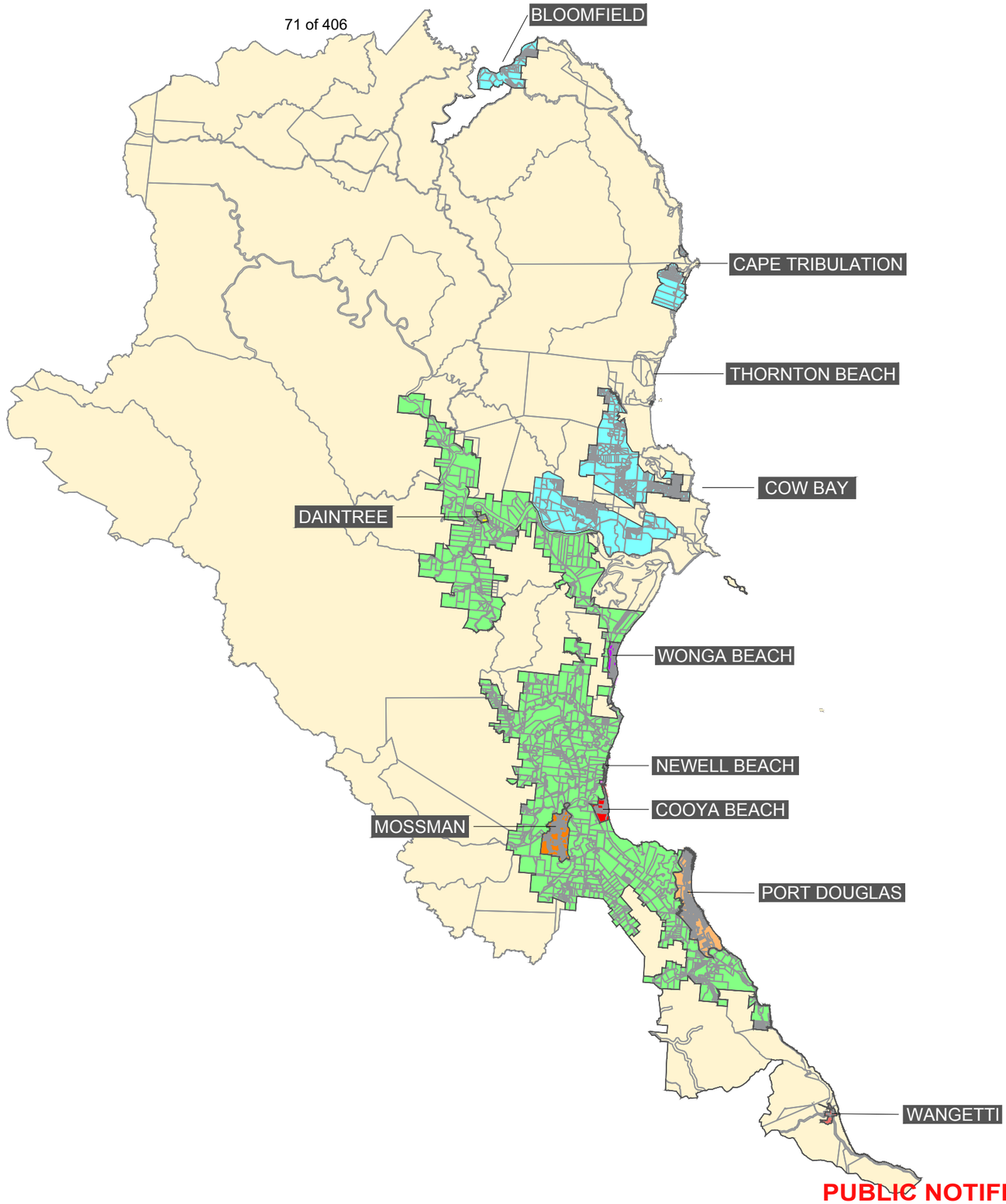

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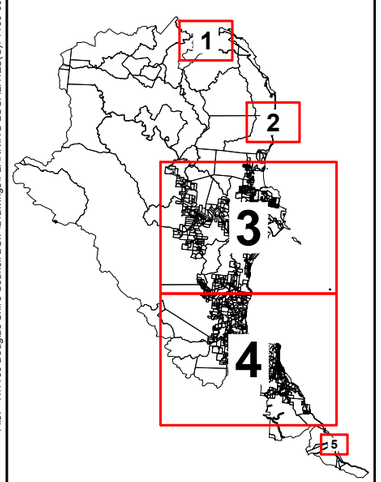
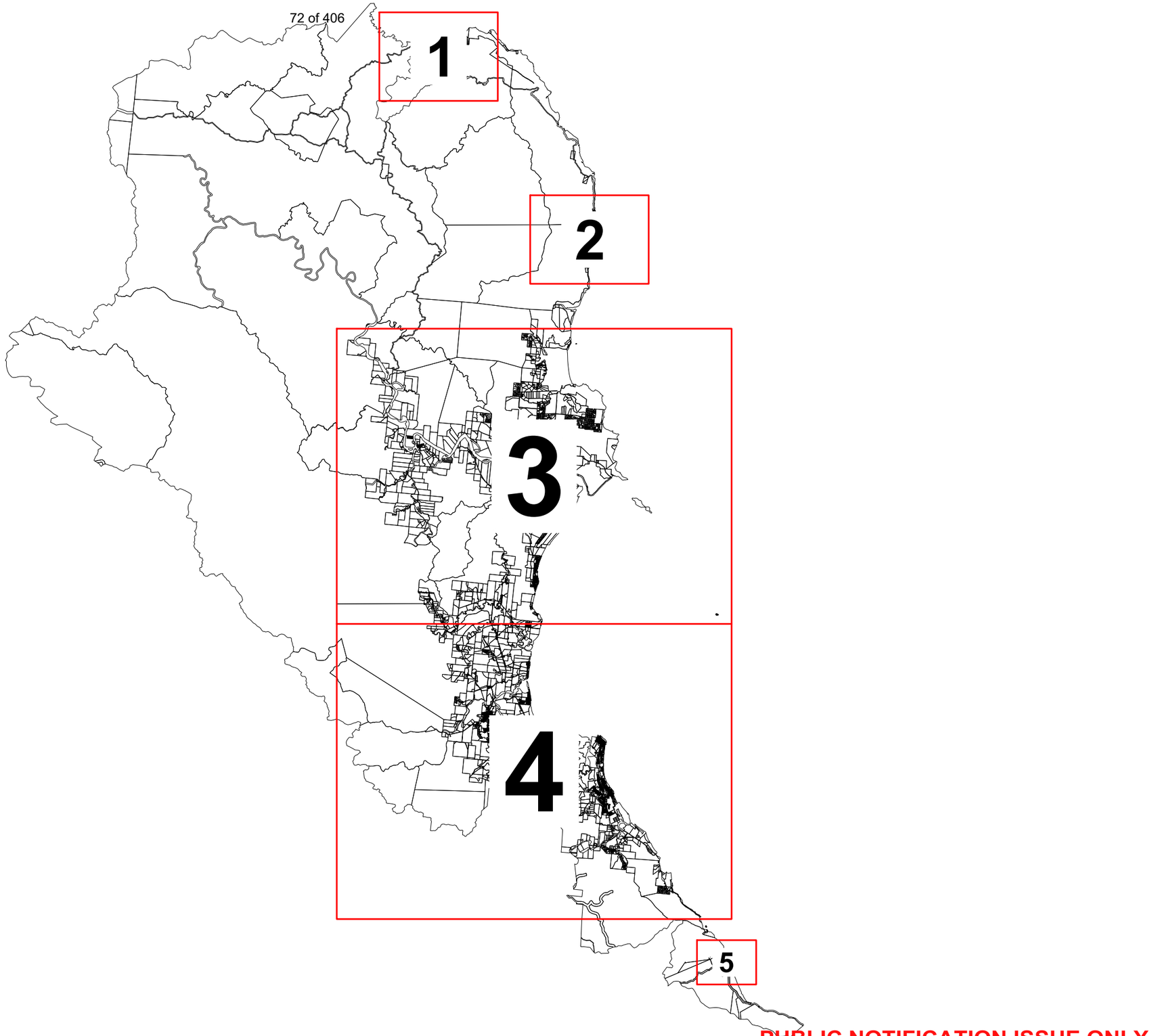
N

KEY MAP





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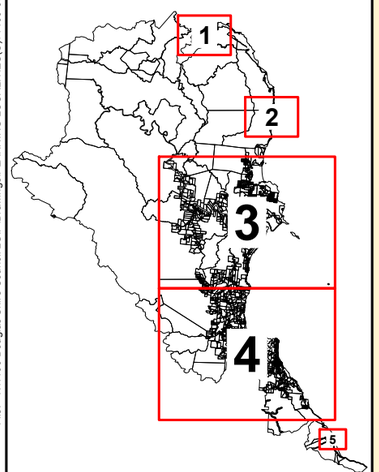

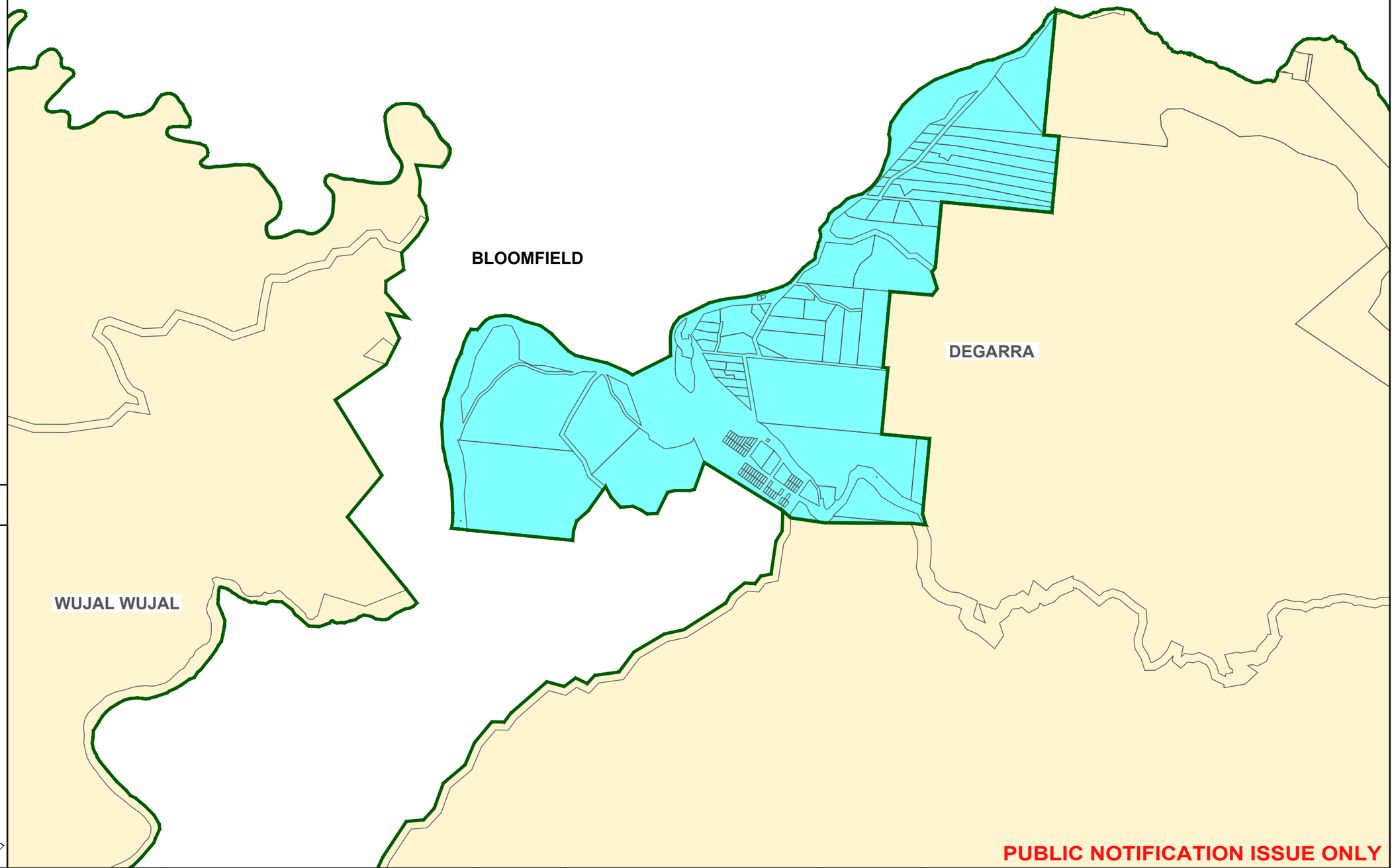

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Project: 1100 DOUGLAS SHIRE COUNCIL LGIP

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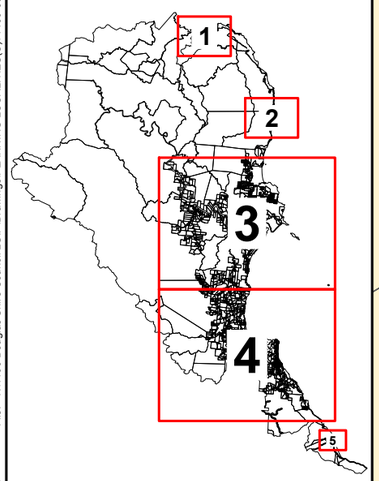

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Scale (A3 size)	Client
NOT TO SCALE	DOUGLAS SHIRE COUNCIL
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	Title: PLANNING LOCALITIES - GRID 2

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-004	C

External References: TEC-TITLE-A3_a.dwg

LEGEND

LOCALITIES

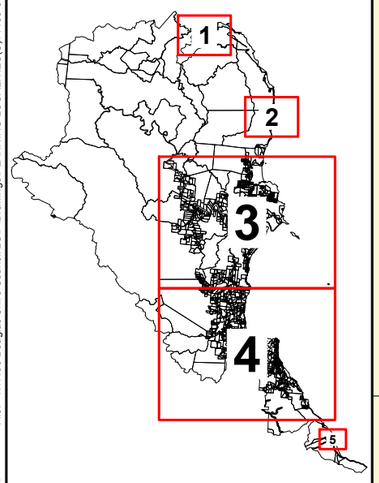
- COASTAL SUBURBS, VILLAGES AND TOWNSHIPS (COOYA BEACH)
- COASTAL SUBURBS, VILLAGES AND TOWNSHIPS (DAINTREE TOWNSHIP)
- COASTAL SUBURBS, VILLAGES AND TOWNSHIPS (NEWELL BEACH)
- COASTAL SUBURBS, VILLAGES AND TOWNSHIPS (WANGETTI)
- COASTAL SUBURBS, VILLAGES AND TOWNSHIPS (WONGA BEACH)
- MOSSMAN AND ENVIRONS
- PORT DOUGLAS AND ENVIRONS
- RURAL AREAS AND RURAL SETTLEMENTS
- SETTLEMENT AREAS NORTH OF THE DAINTREE RIVER
- WORLD HERITAGE AREAS AND ENVIRONS

GENERAL

- LOCALITIES BOUNDARY
- PROPERTY BOUNDARY

N

KEY MAP



DAGMAR
DIWAN
COW BAY
DAINTREE
KIMBERLEY
LOWER DAINTREE
BAMBOO
WONGA BEACH

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Revisions

GRID: 3

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NOT TO SCALE	DOUGLAS SHIRE COUNCIL	1100 DOUGLAS SHIRE COUNCIL LGIP	PLANNING LOCALITIES - GRID 3
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Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-005	C

External References: TEC-TITLE-A3_a.dwg

LEGEND

LOCALITIES

- COASTAL SUBURBS, VILLAGES AND TOWNSHIPS (COOYA BEACH)
- COASTAL SUBURBS, VILLAGES AND TOWNSHIPS (DAINTREE TOWNSHIP)
- COASTAL SUBURBS, VILLAGES AND TOWNSHIPS (NEWELL BEACH)
- COASTAL SUBURBS, VILLAGES AND TOWNSHIPS (WANGETTI)
- COASTAL SUBURBS, VILLAGES AND TOWNSHIPS (WONGA BEACH)
- MOSSMAN AND ENVIRONS
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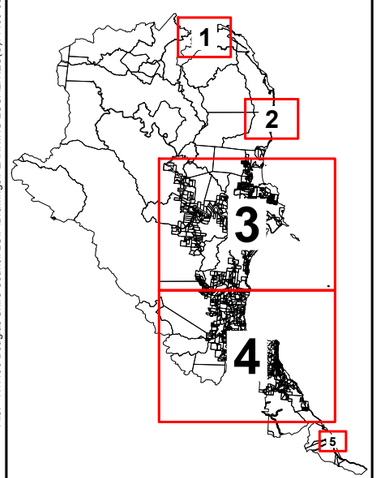
- SETTLEMENT AREAS NORTH OF THE DAINTREE RIVER
- WORLD HERITAGE AREAS AND ENVIRONS

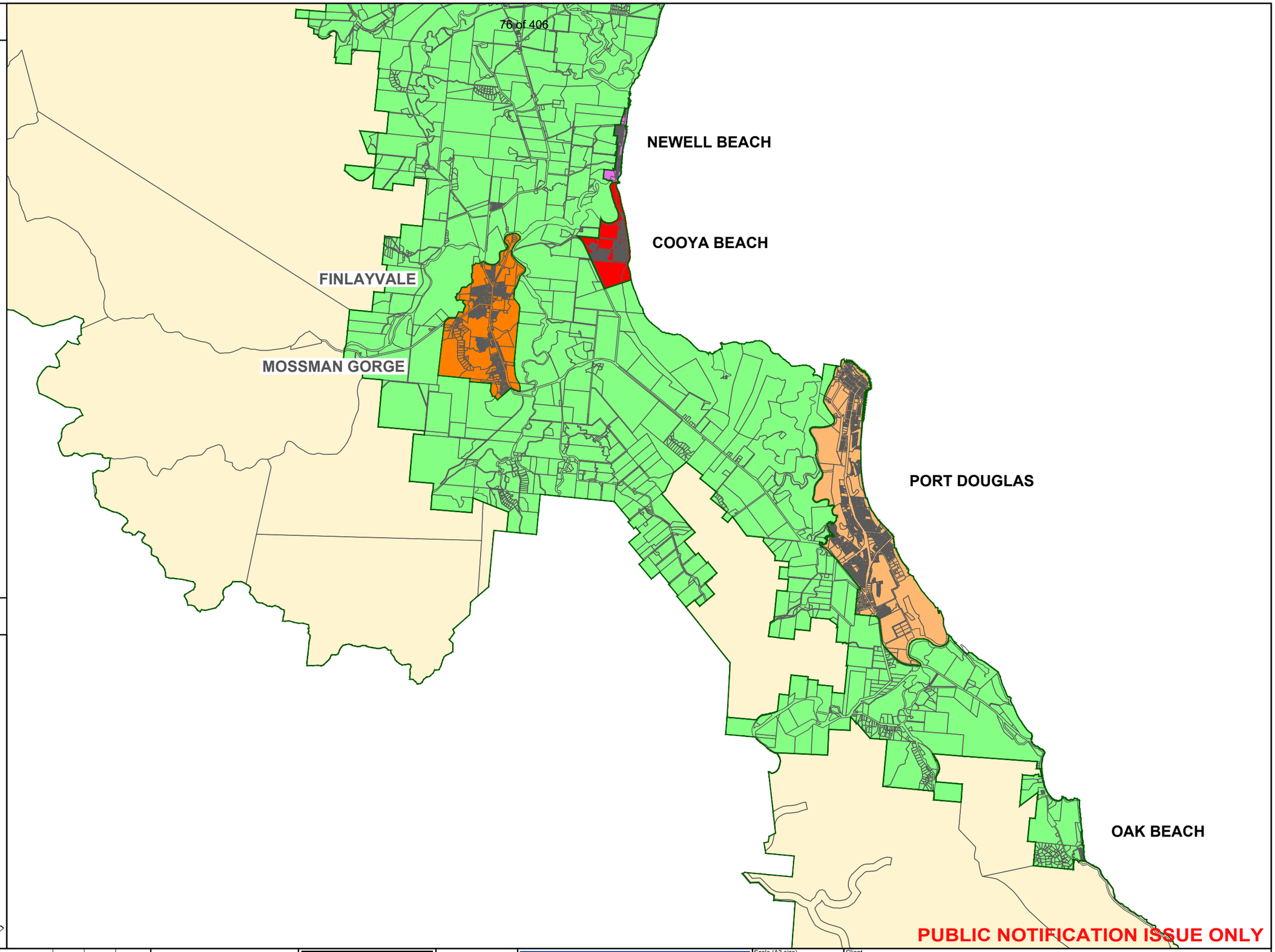
GENERAL

- LOCALITIES BOUNDARY
- PROPERTY BOUNDARY

N

KEY MAP





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Revisions					
No.	Description	Reviewed	Approved	Date	
A	ISSUED FOR REVIEW				

GRID: 4

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Scale (A3 size)	Client
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	Title: PLANNING LOCALITIES - GRID 4

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-006	C

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External References: TEC-TITLE-A3_a.dwg

LEGEND

LOCALITIES

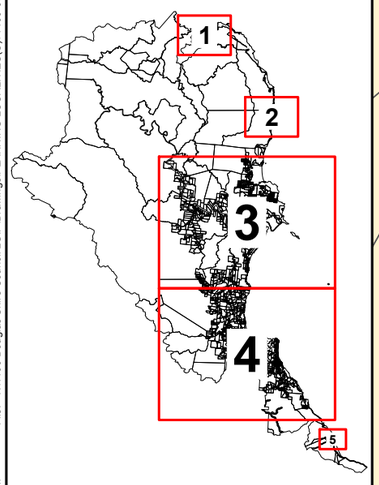
- COASTAL SUBURBS, VILLAGES AND TOWNSHIPS (COOYA BEACH)
- COASTAL SUBURBS, VILLAGES AND TOWNSHIPS (DAINTREE TOWNSHIP)
- COASTAL SUBURBS, VILLAGES AND TOWNSHIPS (NEWELL BEACH)
- COASTAL SUBURBS, VILLAGES AND TOWNSHIPS (WANGETTI)
- COASTAL SUBURBS, VILLAGES AND TOWNSHIPS (WONGA BEACH)
- MOSSMAN AND ENVIRONS
- PORT DOUGLAS AND ENVIRONS
- RURAL AREAS AND RURAL SETTLEMENTS
- SETTLEMENT AREAS NORTH OF THE DAINTREE RIVER
- WORLD HERITAGE AREAS AND ENVIRONS

GENERAL

- LOCALITIES BOUNDARY
- PROPERTY BOUNDARY

N

KEY MAP



WANGETTI

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No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

Revisions

GRID: 5

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Client: DOUGLAS SHIRE COUNCIL

Project: 1100 DOUGLAS SHIRE COUNCIL LGIP

Title: PLANNING LOCALITIES - GRID 5

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-007	C

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External References: TEC-TITLE-A3_a.dwg

DOUGLAS SHIRE COUNCIL

Trinity Engineering and Consulting

LOCAL GOVERNMENT INFRASTRUCTURE PLANS (PRIORITY INFRASTRUCTURE AREAS)

for

DOUGLAS SHIRE COUNCIL

SCHEDULE OF PROJECT DRAWINGS

1100–010	DRAWING INDEX
1100–011	PRIORITY INFRASTRUCTURE AREAS
1100–012	PRIORITY INFRASTRUCTURE AREAS KEY MAP
1100–013	PRIORITY INFRASTRUCTURE AREAS – GRID 1
1100–014	PRIORITY INFRASTRUCTURE AREAS – GRID 2
1100–015	PRIORITY INFRASTRUCTURE AREAS – GRID 3
1100–016	PRIORITY INFRASTRUCTURE AREAS – GRID 4
1100–017	PRIORITY INFRASTRUCTURE AREAS – GRID 5

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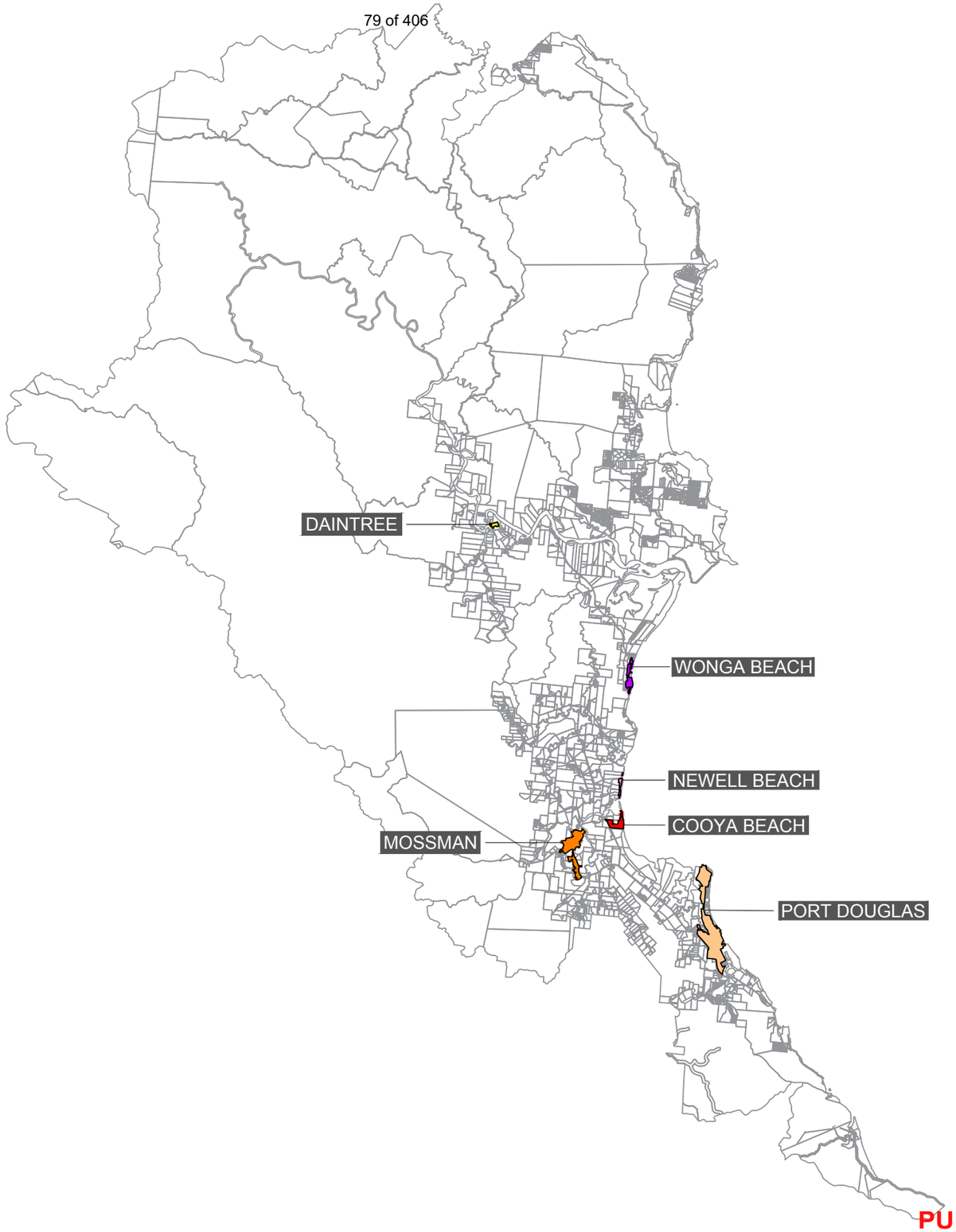
Attachment 5.1.1

LEGEND

LGIP PRIORITY INFRASTRUCTURE AREAS

- DAINTREE
- WONGA BEACH
- NEWELL BEACH
- COOYA BEACH
- MOSSMAN
- PORT DOUGLAS



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External References: TEC-TITLE-A3_a.dwg

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	Title: PRIORITY INFRASTRUCTURE AREAS	

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-011	C

LEGEND

PRIORITY INFRASTRUCTURE AREAS

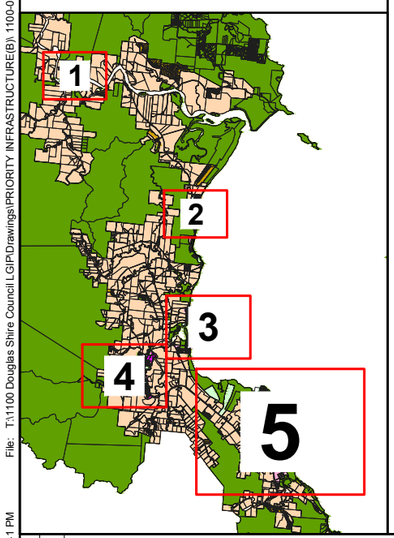
- RESIDENTIAL 1
- RESIDENTIAL 2
- TOURIST AND RESIDENTIAL
- COMMERCIAL
- INDUSTRY
- COMMUNITY AND RECREATIONAL FACILITIES
- RURAL SETTLEMENT
- RURAL
- CONSERVATION

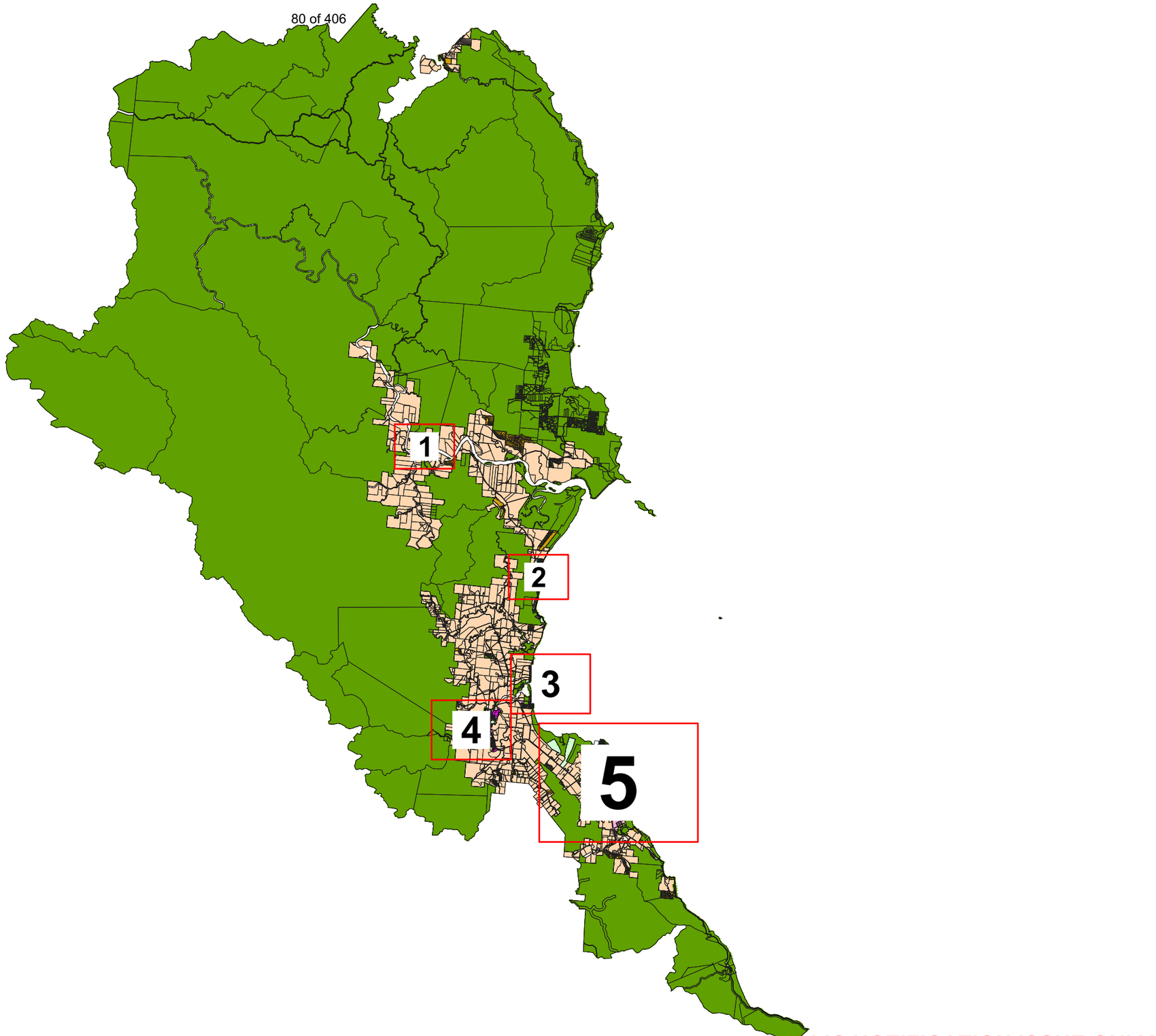
GENERAL

- PRIORITY INFRASTRUCTURE AREA (PIA BOUNDARY)
- PROPERTY BOUNDARY

N

KEY MAP





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	Title: PRIORITY INFRASTRUCTURE AREAS KEY MAP	

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-012	C

External References: TEC-TITLE-A3_a.dwg

LEGEND

PRIORITY INFRASTRUCTURE AREAS

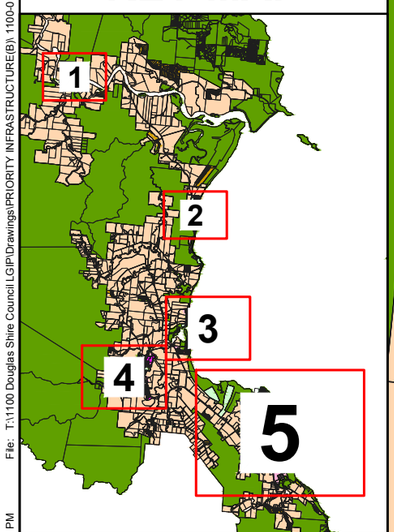
- RESIDENTIAL 1
- RESIDENTIAL 2
- TOURIST AND RESIDENTIAL
- COMMERCIAL
- INDUSTRY
- COMMUNITY AND RECREATIONAL FACILITIES
- RURAL SETTLEMENT
- RURAL
- CONSERVATION

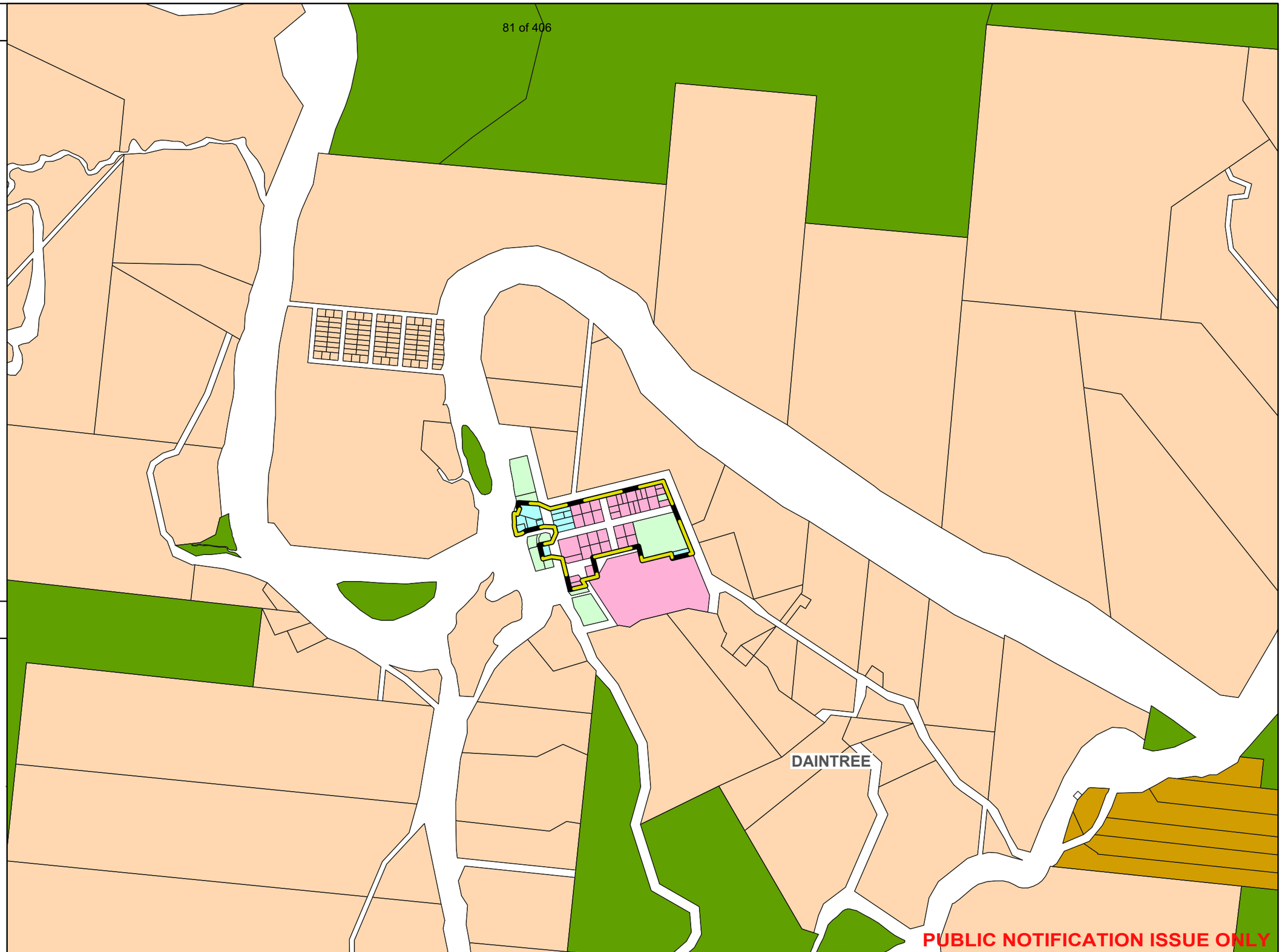
GENERAL

- PRIORITY INFRASTRUCTURE AREA (PIA BOUNDARY)
- PROPERTY BOUNDARY

N

KEY MAP





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Revisions

No.	Description	Reviewed	Approved	Date
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NOT TO SCALE	Project	DOUGLAS SHIRE COUNCIL 1100 DOUGLAS SHIRE COUNCIL LGIP
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Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-013	C

External References: TEC-TITLE-A3_a.dwg

LEGEND

PRIORITY INFRASTRUCTURE AREAS

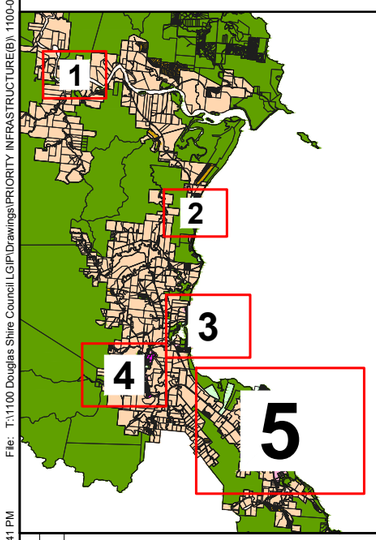
- RESIDENTIAL 1
- RESIDENTIAL 2
- TOURIST AND RESIDENTIAL
- COMMERCIAL
- INDUSTRY
- COMMUNITY AND RECREATIONAL FACILITIES
- RURAL SETTLEMENT
- RURAL
- CONSERVATION

GENERAL

- PRIORITY INFRASTRUCTURE AREA (PIA BOUNDARY)
- PROPERTY BOUNDARY

N

KEY MAP



WONGA BEACH

PUBLIC NOTIFICATION ISSUE ONLY

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Revisions					
No.	Description	Reviewed	Approved	Date
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GRID: 2

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Scale (A3 size)	Client
NOT TO SCALE	DOUGLAS SHIRE COUNCIL
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	Title: PRIORITY INFRASTRUCTURE AREAS - GRID 2

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-014	C

External References: TEC-TITLE-A3_a.dwg

LEGEND

PRIORITY INFRASTRUCTURE AREAS

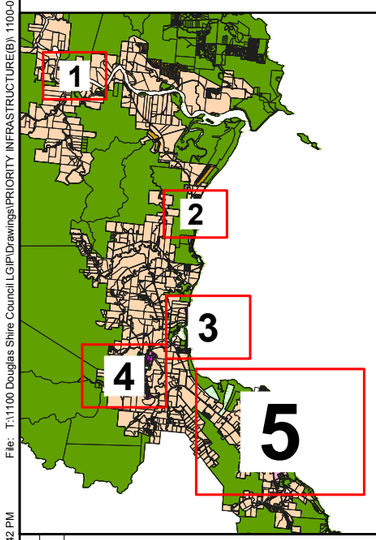
- RESIDENTIAL 1
- RESIDENTIAL 2
- TOURIST AND RESIDENTIAL
- COMMERCIAL
- INDUSTRY
- COMMUNITY AND RECREATIONAL FACILITIES
- RURAL SETTLEMENT
- RURAL
- CONSERVATION

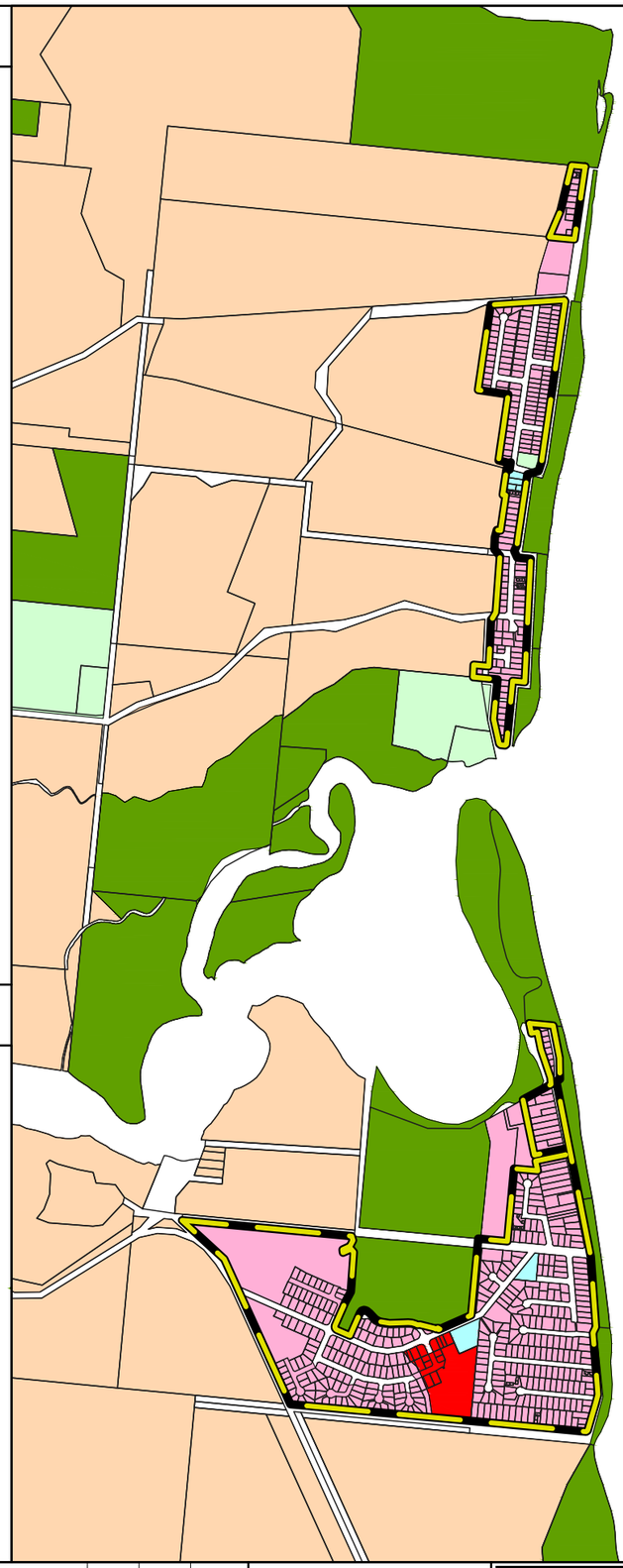
GENERAL

- PRIORITY INFRASTRUCTURE AREA (PIA BOUNDARY)
- PROPERTY BOUNDARY

N

KEY MAP





NEWELL BEACH

COOYA BEACH

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Revisions				
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

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Client	DOUGLAS SHIRE COUNCIL
Project	1100 DOUGLAS SHIRE COUNCIL LGIP
Title	PRIORITY INFRASTRUCTURE AREAS - GRID 3

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-015	C

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External References: TEC-TITLE-A3_a.dwg

LEGEND

PRIORITY INFRASTRUCTURE AREAS

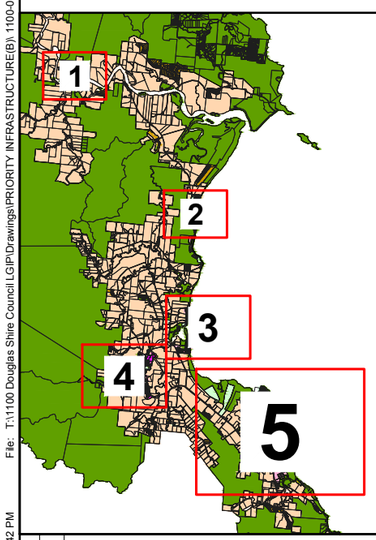
- RESIDENTIAL 1
- RESIDENTIAL 2
- TOURIST AND RESIDENTIAL
- COMMERCIAL
- INDUSTRY
- COMMUNITY AND RECREATIONAL FACILITIES
- RURAL SETTLEMENT
- RURAL
- CONSERVATION

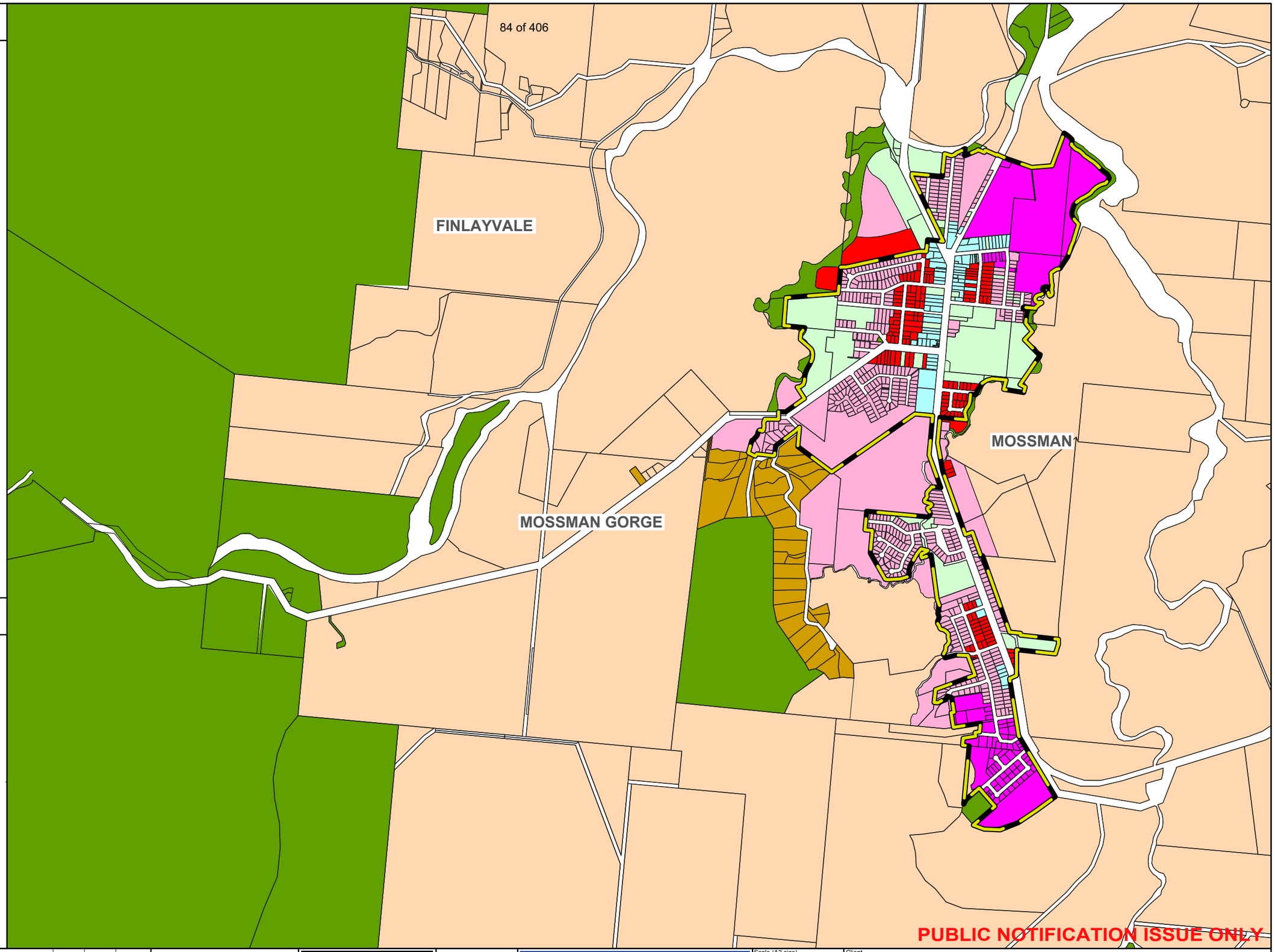
GENERAL

- PRIORITY INFRASTRUCTURE AREA (PIA BOUNDARY)
- PROPERTY BOUNDARY

N

KEY MAP





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No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

Revisions

GRID: 4

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Scale (A3 size): NOT TO SCALE

Drawing is not to be used for construction unless approved.

Client: DOUGLAS SHIRE COUNCIL

Project: 1100 DOUGLAS SHIRE COUNCIL LGIP

Title: PRIORITY INFRASTRUCTURE AREAS - GRID 4

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-016	C

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External References: TEC-TITLE-A3_a.dwg

LEGEND

PRIORITY INFRASTRUCTURE AREAS

- RESIDENTIAL 1
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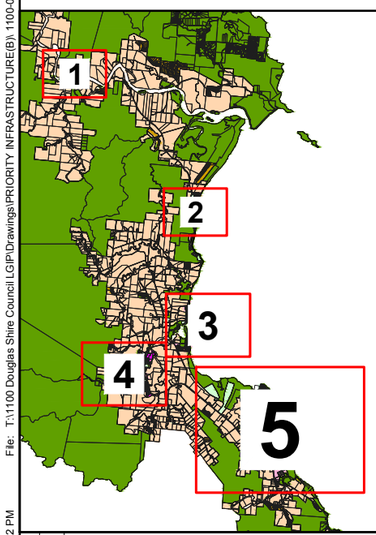
- COMMERCIAL
- INDUSTRY
- COMMUNITY AND RECREATIONAL FACILITIES
- RURAL SETTLEMENT
- RURAL
- CONSERVATION

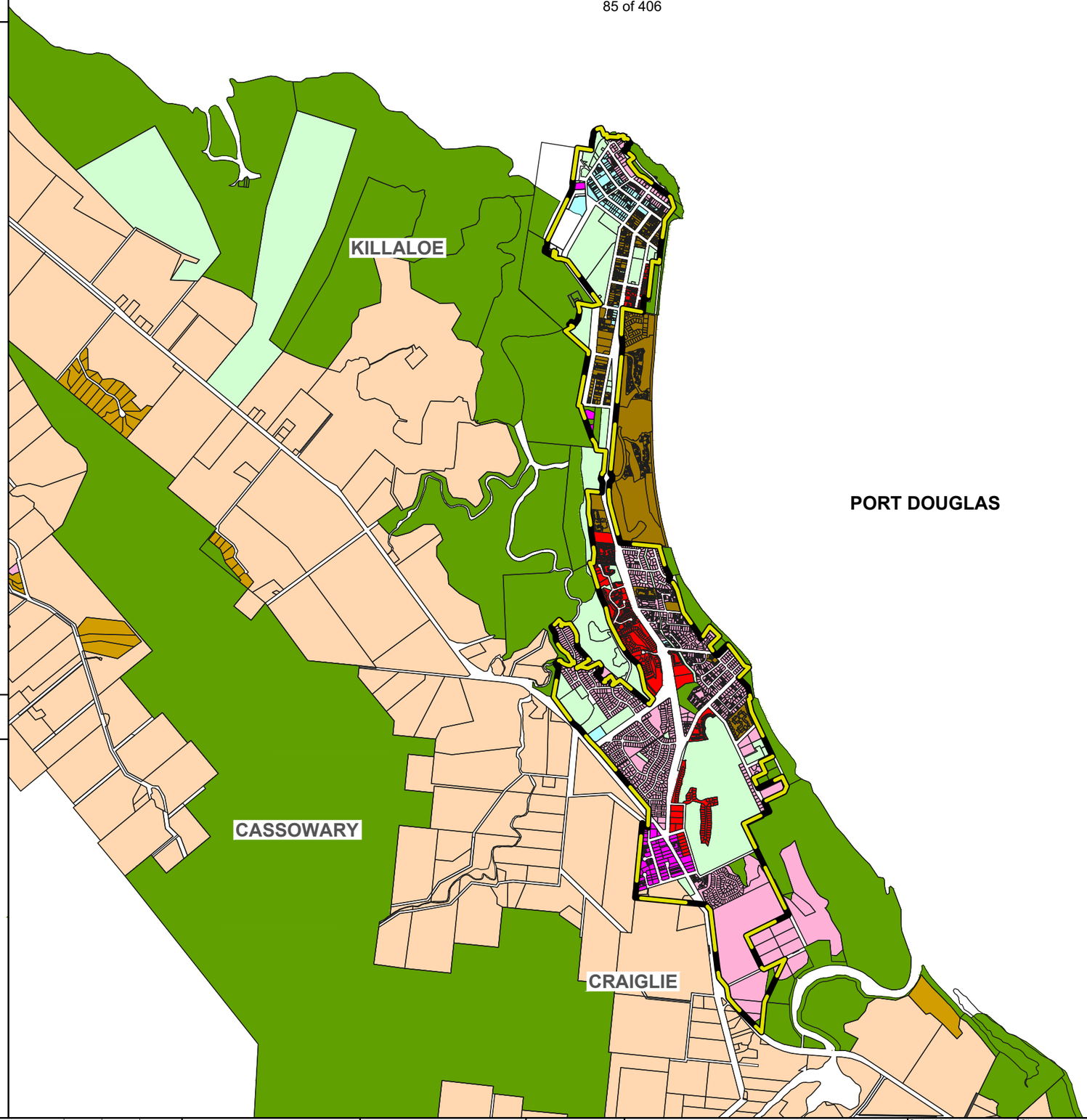
GENERAL

- PRIORITY INFRASTRUCTURE AREA (PIA BOUNDARY)
- PROPERTY BOUNDARY

N

KEY MAP





PORT DOUGLAS

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Revisions				
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A	ISSUED FOR REVIEW			

GRID: 5

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Client: DOUGLAS SHIRE COUNCIL
Project: 1100 DOUGLAS SHIRE COUNCIL LGIP
Title: PRIORITY INFRASTRUCTURE AREAS - GRID 5

External References: TEC-TITLE-A3_a.dwg

DOUGLAS SHIRE COUNCIL

Trinity Engineering and Consulting

LOCAL GOVERNMENT INFRASTRUCTURE PLANS (WATER TRUNK INFRASTRUCTURE)

for

DOUGLAS SHIRE COUNCIL

SCHEDULE OF PROJECT DRAWINGS

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External References:

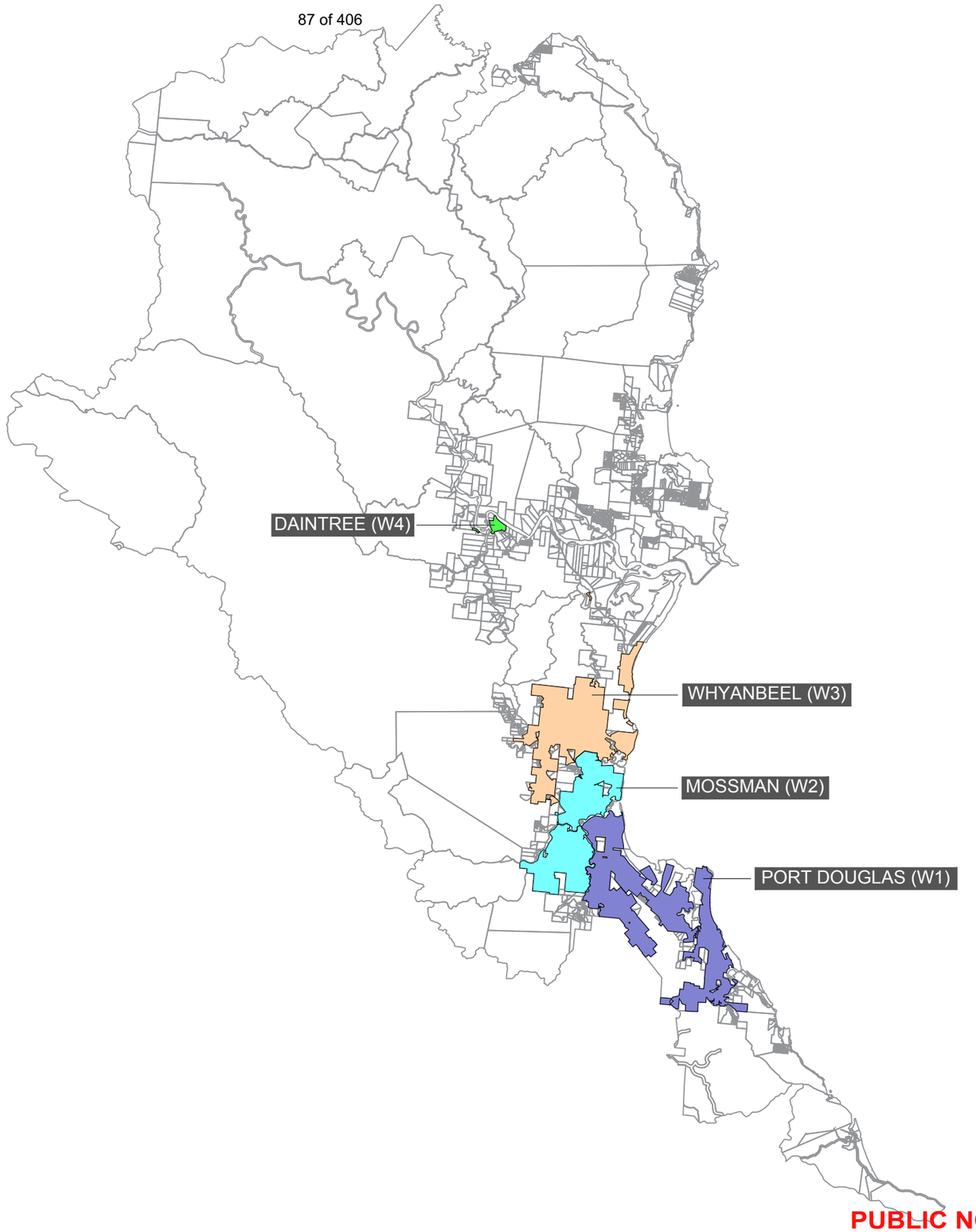
LEGEND

Attachment 5.1.3

WATER INFRASTRUCTURE SUPPLY CHARGES CATCHMENT AREAS

- PORT DOUGLAS (W1)
- MOSSMAN (W2)
- WHYANBEEL (W3)
- DAINTREE (W4)

N



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Revisions				
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

External References: TEC-TITLE-A3_a.dwg

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Scale (A3 size): NOT TO SCALE

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Client: DOUGLAS SHIRE COUNCIL

Project: 1100 DOUGLAS SHIRE COUNCIL LGIP

Title: WATER INFRASTRUCTURE SUPPLY CHARGES CATCHMENTS

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-101	D

LEGEND

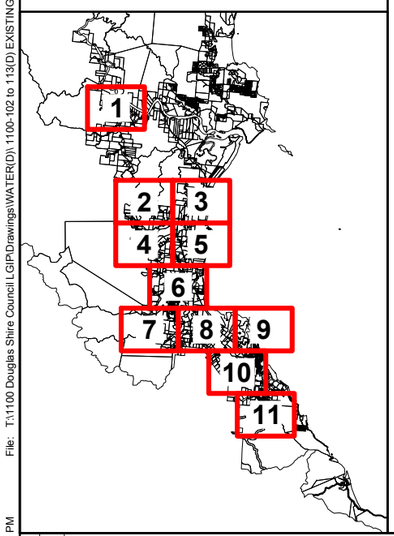
Attachment 2.1.3

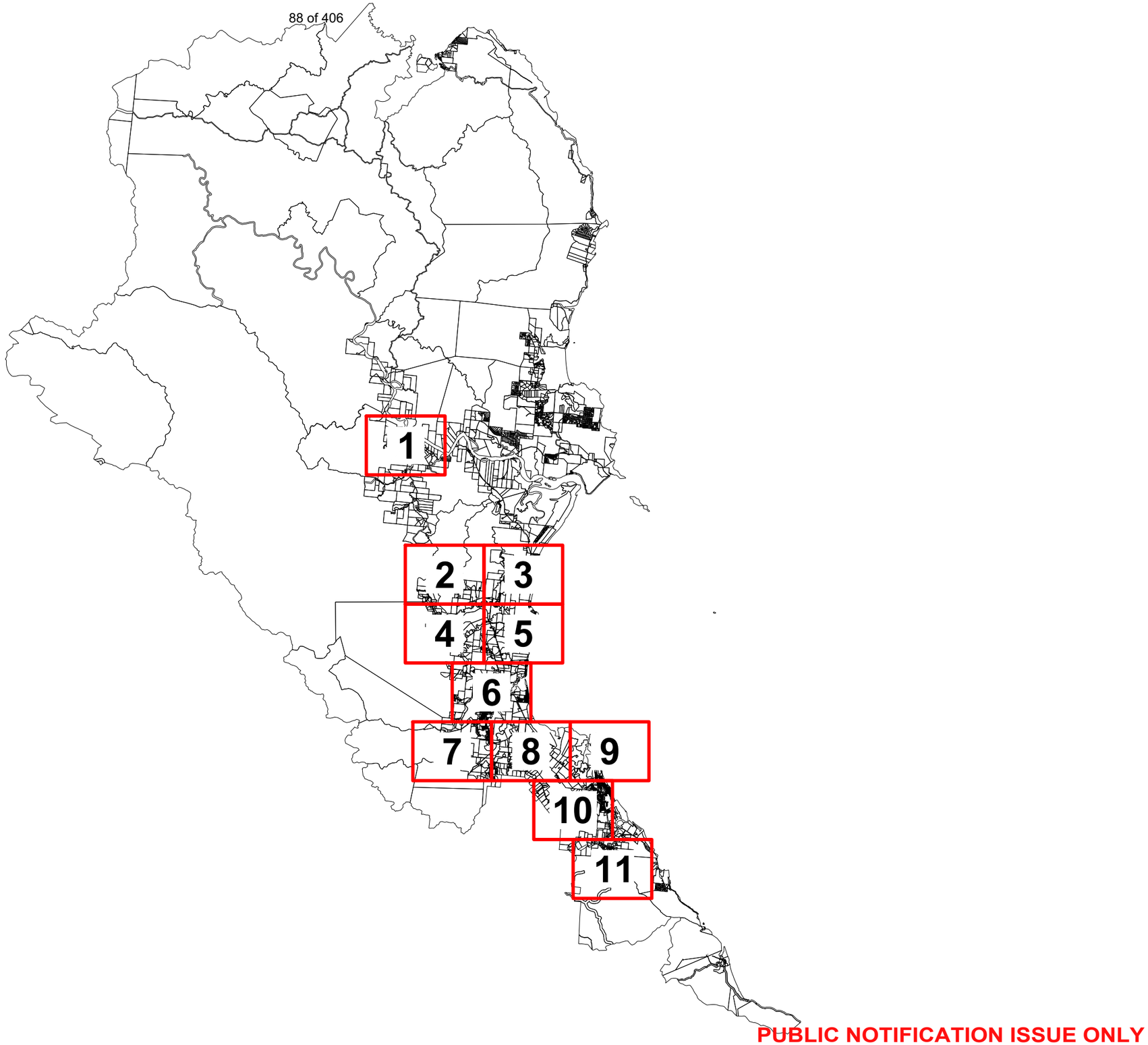
EXISTING WATER SUPPLY TRUNK INFRASTRUCTURE

- WATER MAIN
- WATER MAIN ≤ 80mm
- PUMP STATION
- WATER TREATMENT PLANT
- RESERVOIR
- BORE
- RAW WATER INTAKE

N

KEY MAP





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File: T:\1100 Douglas Shire Council LGIP\Drawings\WATER(D)\ 1100-102 to 113(D) EXISTING WATER.dwg

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NOT TO SCALE	DOUGLAS SHIRE COUNCIL
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	Title: EXISTING WATER TRUNK INFRASTRUCTURE KEY MAP

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-102	D

External References: TEC-TITLE-A3_a.dwg

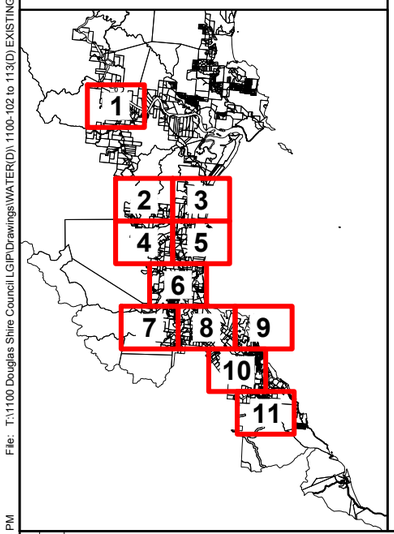
LEGEND

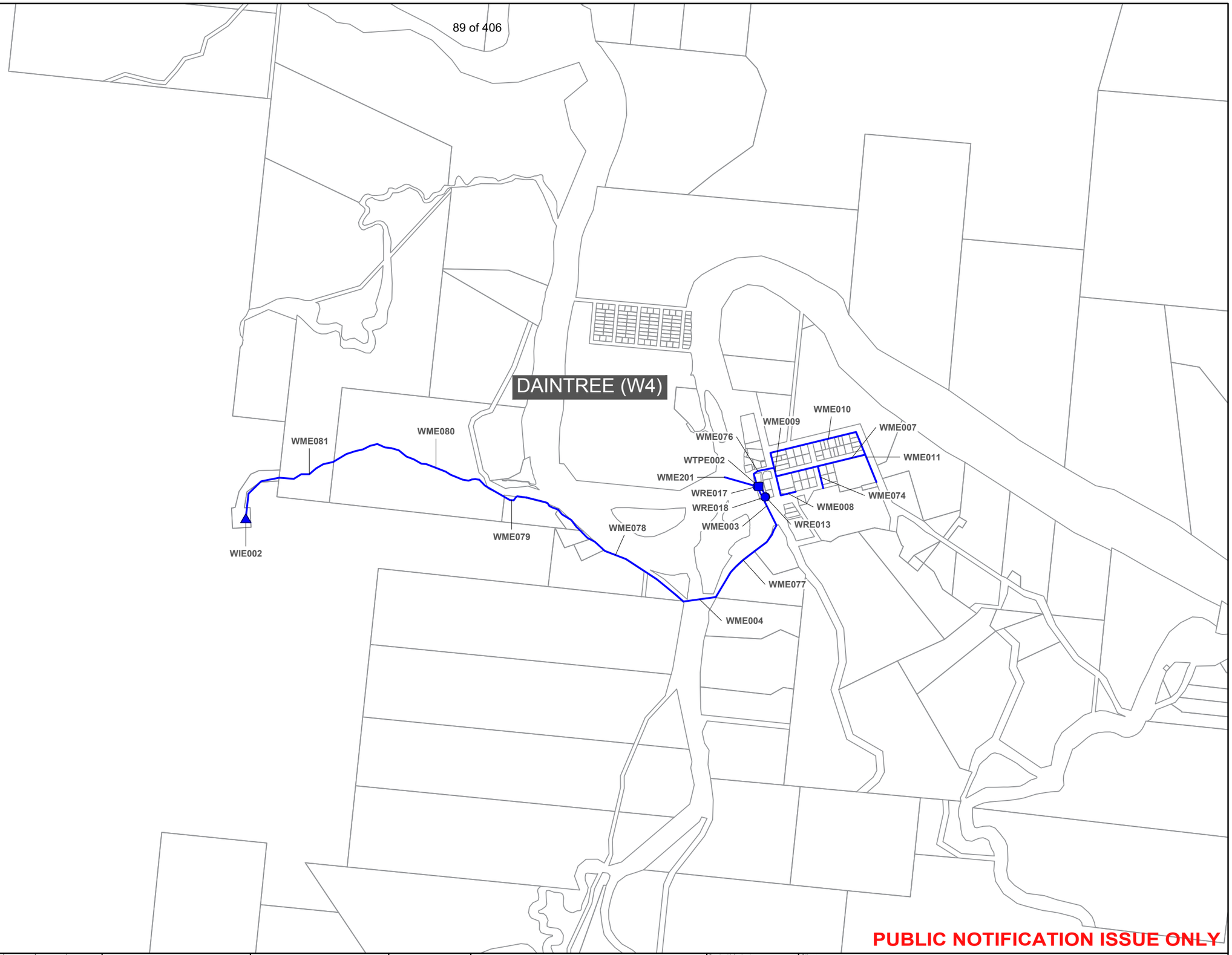
EXISTING WATER SUPPLY TRUNK INFRASTRUCTURE

- WATER MAIN
- WATER MAIN ≤ 80mm
- PUMP STATION
- WATER TREATMENT PLANT
- RESERVOIR
- BORE
- RAW WATER INTAKE

N

KEY MAP





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No.	Description	Reviewed	Approved	Date
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1:20000	DOUGLAS SHIRE COUNCIL
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	Title: EXISTING WATER TRUNK INFRASTRUCTURE - GRID 1

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-103	D

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External References: TEC-TITLE-A3_a.dwg

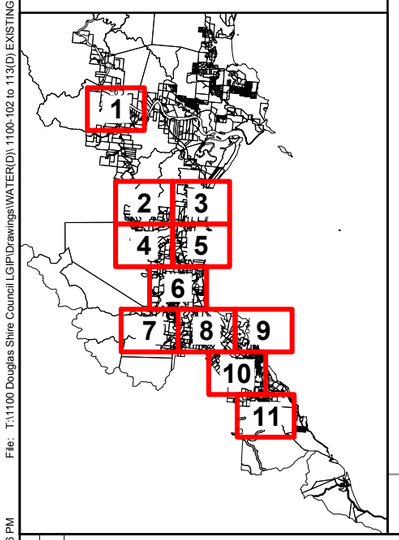
LEGEND

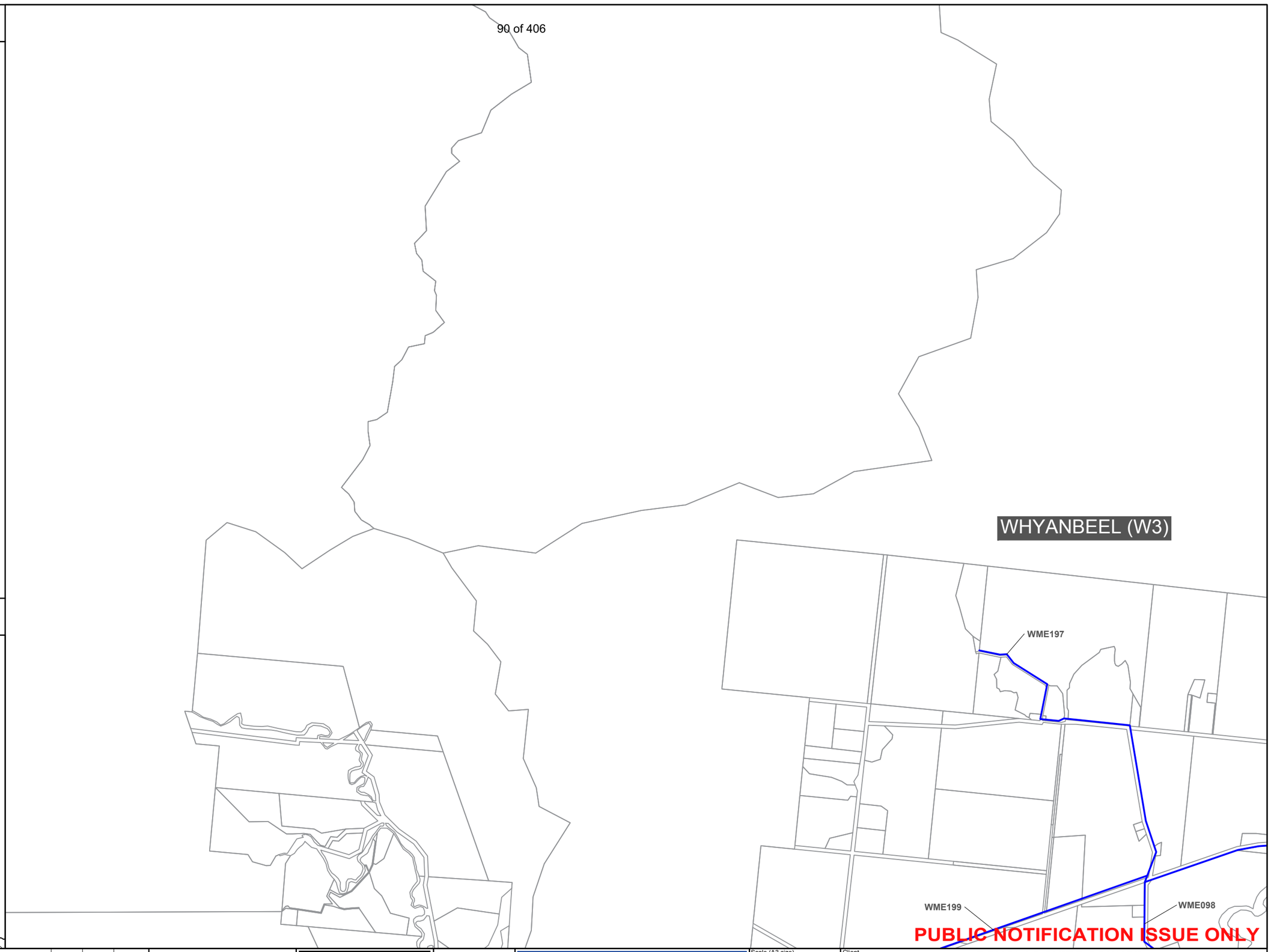
EXISTING WATER SUPPLY TRUNK INFRASTRUCTURE

- WATER MAIN
- WATER MAIN ≤ 80mm
- PUMP STATION
- WATER TREATMENT PLANT
- RESERVOIR
- BORE
- RAW WATER INTAKE

N

KEY MAP





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No.	Description	Reviewed	Approved	Date
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Client	DOUGLAS SHIRE COUNCIL
Project	1100 DOUGLAS SHIRE COUNCIL LGIP
Title	EXISTING WATER TRUNK INFRASTRUCTURE - GRID 2

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-104	D

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File: T:\1100 Douglas Shire Council LGIP\Drawings\WATER(D)\ 1100-102 to 113(D) EXISTING WATER.dwg
External References: TEC-TITLE-A3_a.dwg

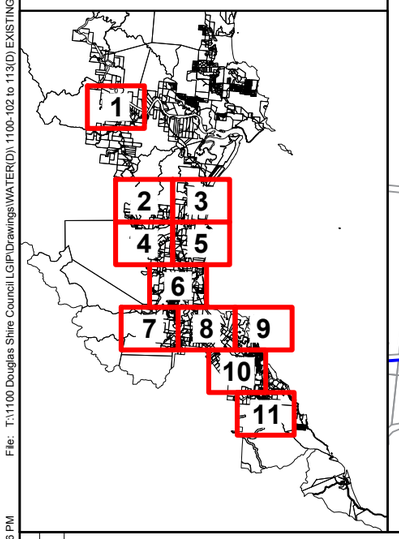
LEGEND

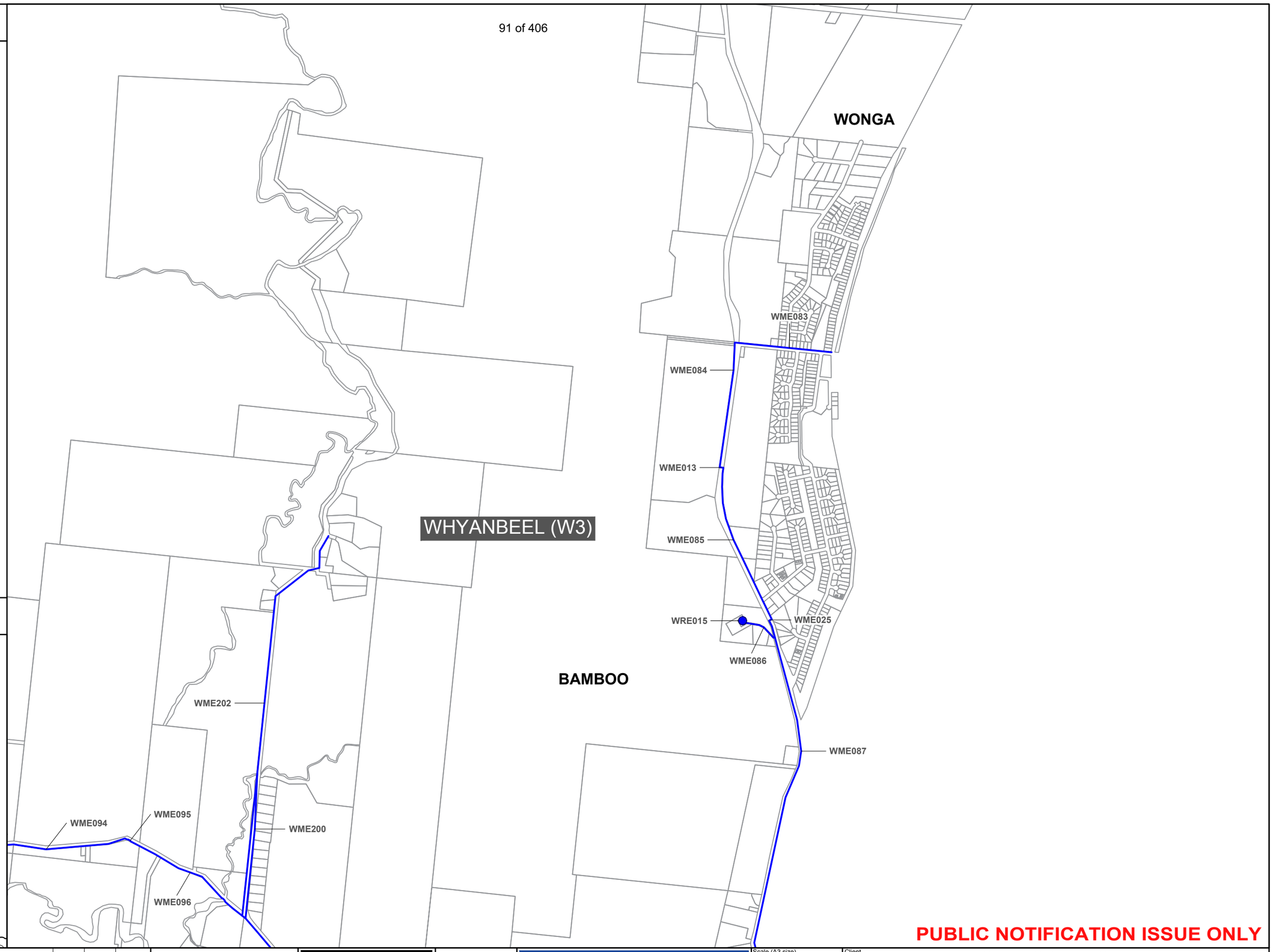
EXISTING WATER SUPPLY TRUNK INFRASTRUCTURE

- WATER MAIN
- WATER MAIN ≤ 80mm
- PUMP STATION
- WATER TREATMENT PLANT
- RESERVOIR
- BORE
- RAW WATER INTAKE

N

KEY MAP





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1:20000	IM	RR	RR	RR	R RANKINE		20/03/18	1100-105	D

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Client: DOUGLAS SHIRE COUNCIL
Project: 1100 DOUGLAS SHIRE COUNCIL LGIP
Title: EXISTING WATER TRUNK INFRASTRUCTURE - GRID 3

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File: T:\1100 Douglas Shire Council LGIP\Drawings\WATER(D)\ 1100-102 to 113(D) EXISTING WATER.dwg
External References: TEC-TITLE-A3_a.dwg

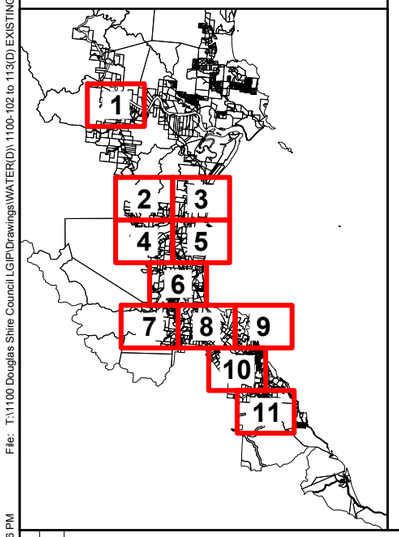
LEGEND

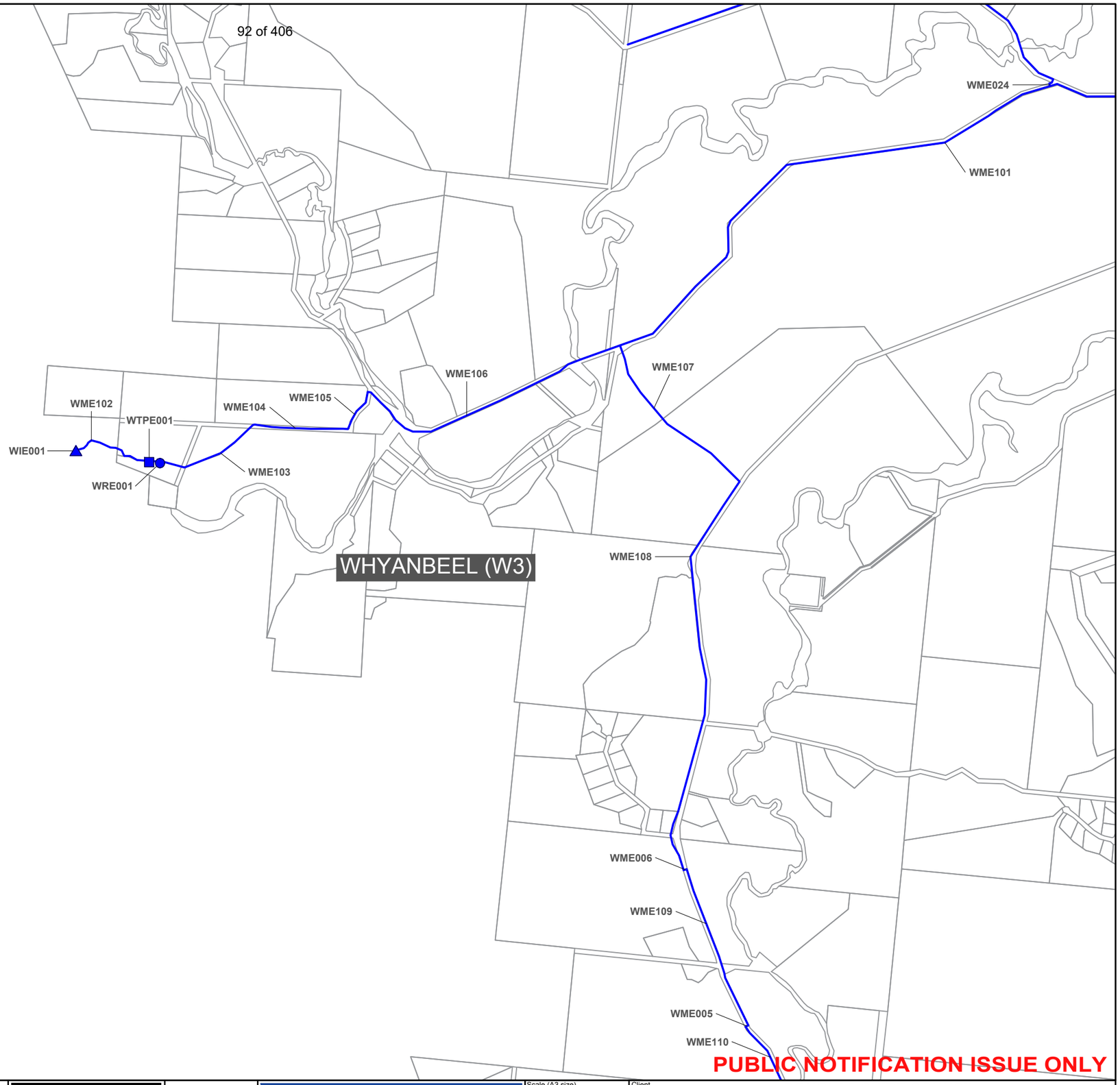
EXISTING WATER SUPPLY TRUNK INFRASTRUCTURE

- WATER MAIN
- WATER MAIN ≤ 80mm
- PUMP STATION
- WATER TREATMENT PLANT
- RESERVOIR
- BORE
- RAW WATER INTAKE

N

KEY MAP





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A	ISSUED FOR REVIEW			

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Scale (A3 size): 1:20000

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Client: DOUGLAS SHIRE COUNCIL
Project: 1100 DOUGLAS SHIRE COUNCIL LGIP
Title: EXISTING WATER TRUNK INFRASTRUCTURE - GRID 4

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-106	D

Printed: 20 March 2018, 6:26 PM
File: T:\1100 Douglas Shire Council LGIP\Drawings\WATER(D)\ 1100-102 to 113(D) EXISTING WATER.dwg
External References: TEC-TITLE-A3_a.dwg

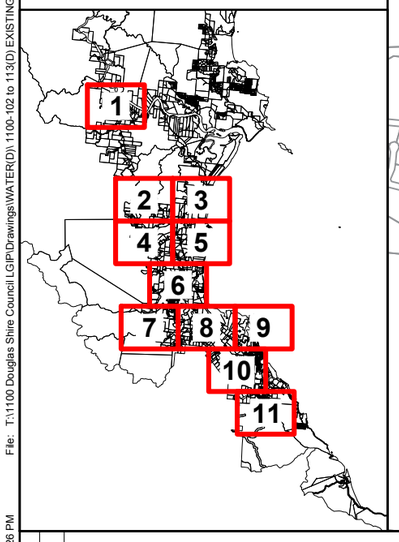
LEGEND

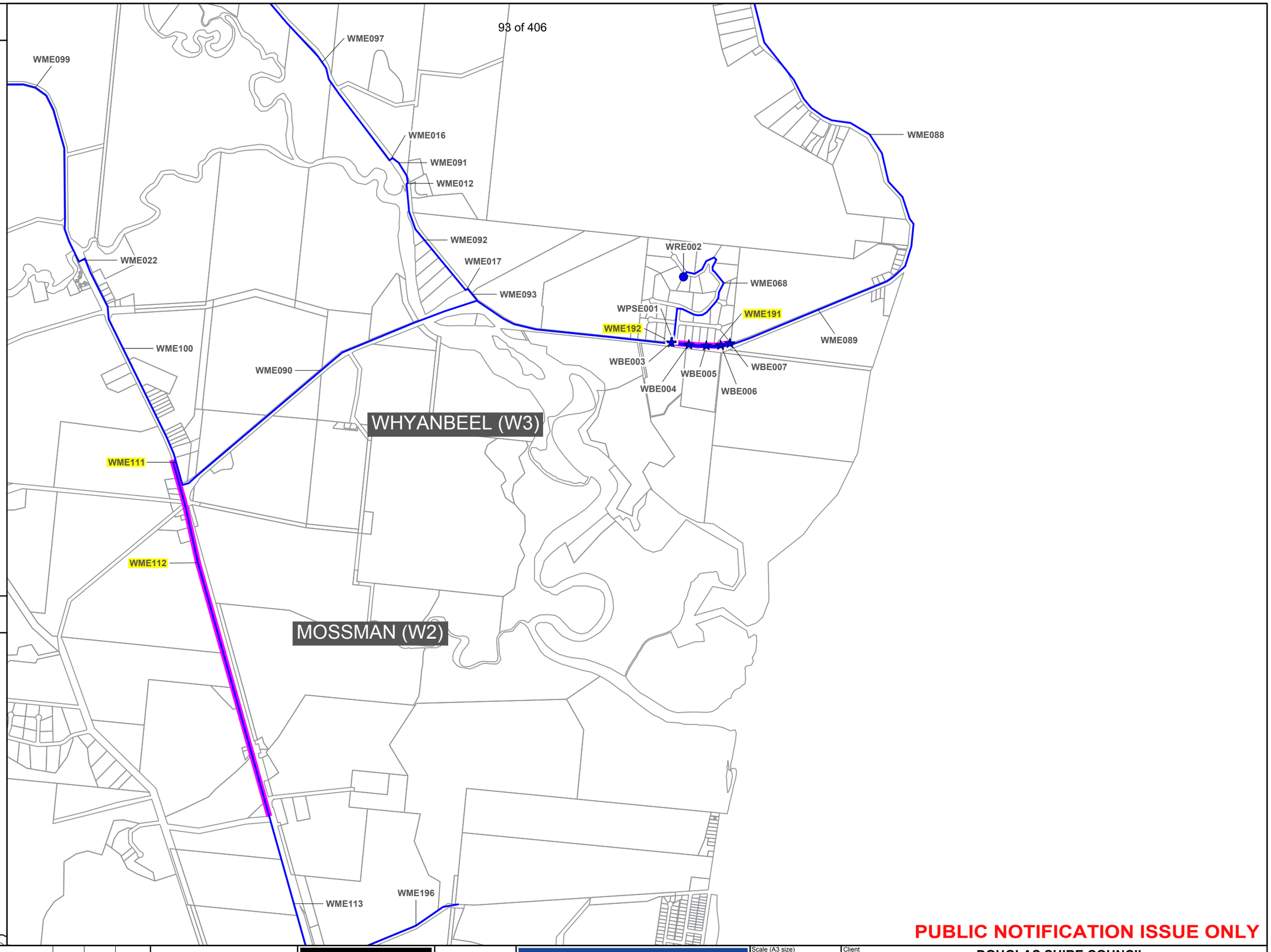
EXISTING WATER SUPPLY TRUNK INFRASTRUCTURE

- WATER MAIN
- WATER MAIN ≤ 80mm
- PUMP STATION
- WATER TREATMENT PLANT
- RESERVOIR
- BORE
- RAW WATER INTAKE

N

KEY MAP





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A	ISSUED FOR REVIEW			

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External References: TEC-TITLE-A3_a.dwg

GRID: 5

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Client: DOUGLAS SHIRE COUNCIL

Project: 1100 DOUGLAS SHIRE COUNCIL LGIP

Title: EXISTING WATER TRUNK INFRASTRUCTURE - GRID 5

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-107	D

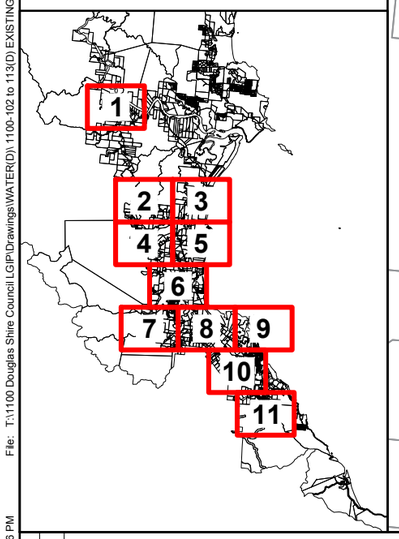
LEGEND

EXISTING WATER SUPPLY TRUNK INFRASTRUCTURE

- WATER MAIN
- WATER MAIN ≤ 80mm
- PUMP STATION
- WATER TREATMENT PLANT
- RESERVOIR
- BORE
- RAW WATER INTAKE

N

KEY MAP



WHYANBEEL (W3)
MOSSMAN (W2)
MOSSMAN GORGE
PORT DOUGLAS (W1)
NEWELL
BONNIE DOON
COOYA BEACH

WME198
WME113
WME196
WME066
WRE003
WME115
WME001
WME002
WME067
WME114
WME116
WME117
WME014
WME195
WME194
WME118
WME119
WME120
WME065
WRE004
WME122
WME032
WME063
WME121
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WME126
WME019
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A	ISSUED FOR REVIEW			

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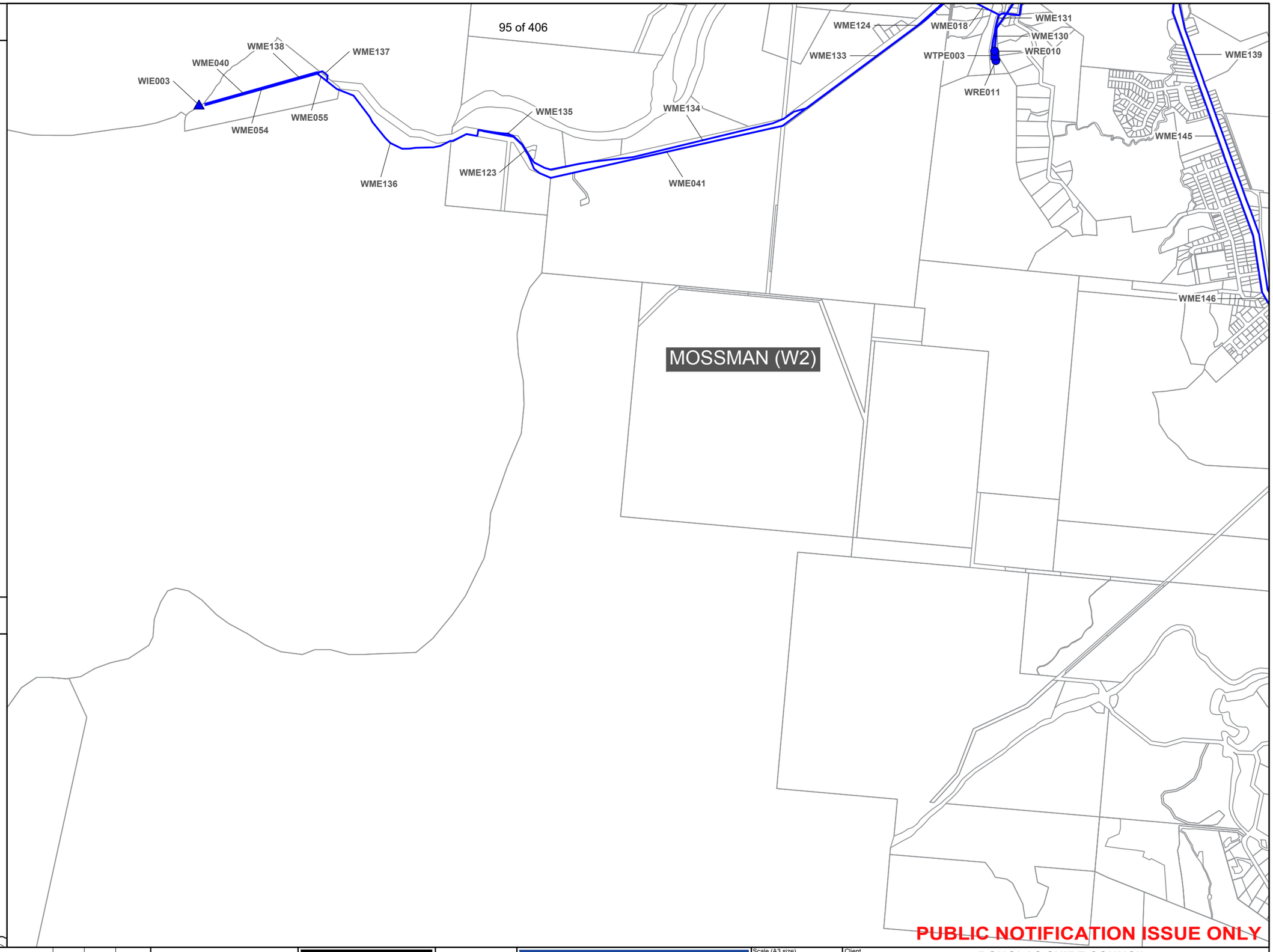
	Drawing is not to be used for construction unless approved.
Client	DOUGLAS SHIRE COUNCIL
Project	1100 DOUGLAS SHIRE COUNCIL LGIP
Title	EXISTING WATER TRUNK INFRASTRUCTURE - GRID 6

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-108	D

LEGEND

EXISTING WATER SUPPLY TRUNK INFRASTRUCTURE

- WATER MAIN
- WATER MAIN ≤ 80mm
- PUMP STATION
- WATER TREATMENT PLANT
- RESERVOIR
- BORE
- RAW WATER INTAKE



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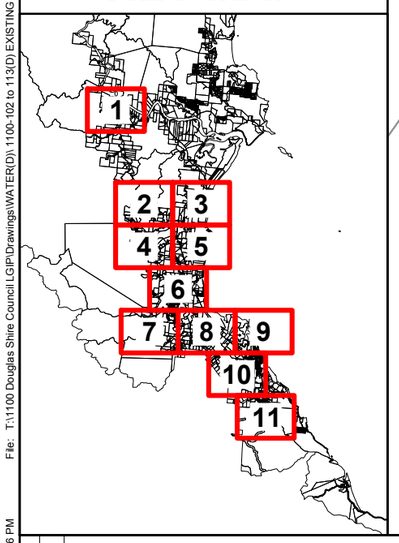
KEY MAP



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IM	RR	RR	RR	R RANKINE		20/03/18

Client: DOUGLAS SHIRE COUNCIL
Project: 1100 DOUGLAS SHIRE COUNCIL LGIP
Title: EXISTING WATER TRUNK INFRASTRUCTURE - GRID 7
Drawing No.: 1100-109
Revision: D

File: T:\1100 Douglas Shire Council LGIP\Drawings\WATER(D)\ 1100-102 to 113(D) EXISTING WATER.dwg
Printed: 20 March 2018, 6:26 PM
External References: TEC-TITLE-A3_a.dwg

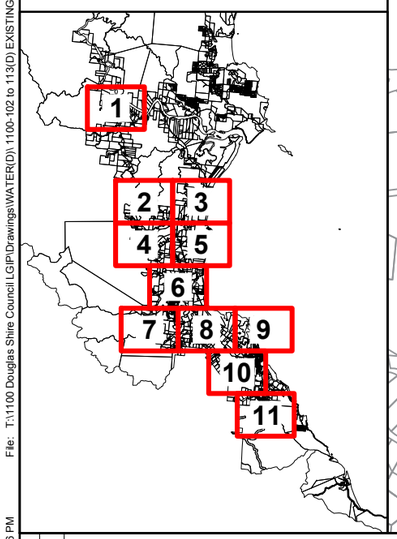
LEGEND

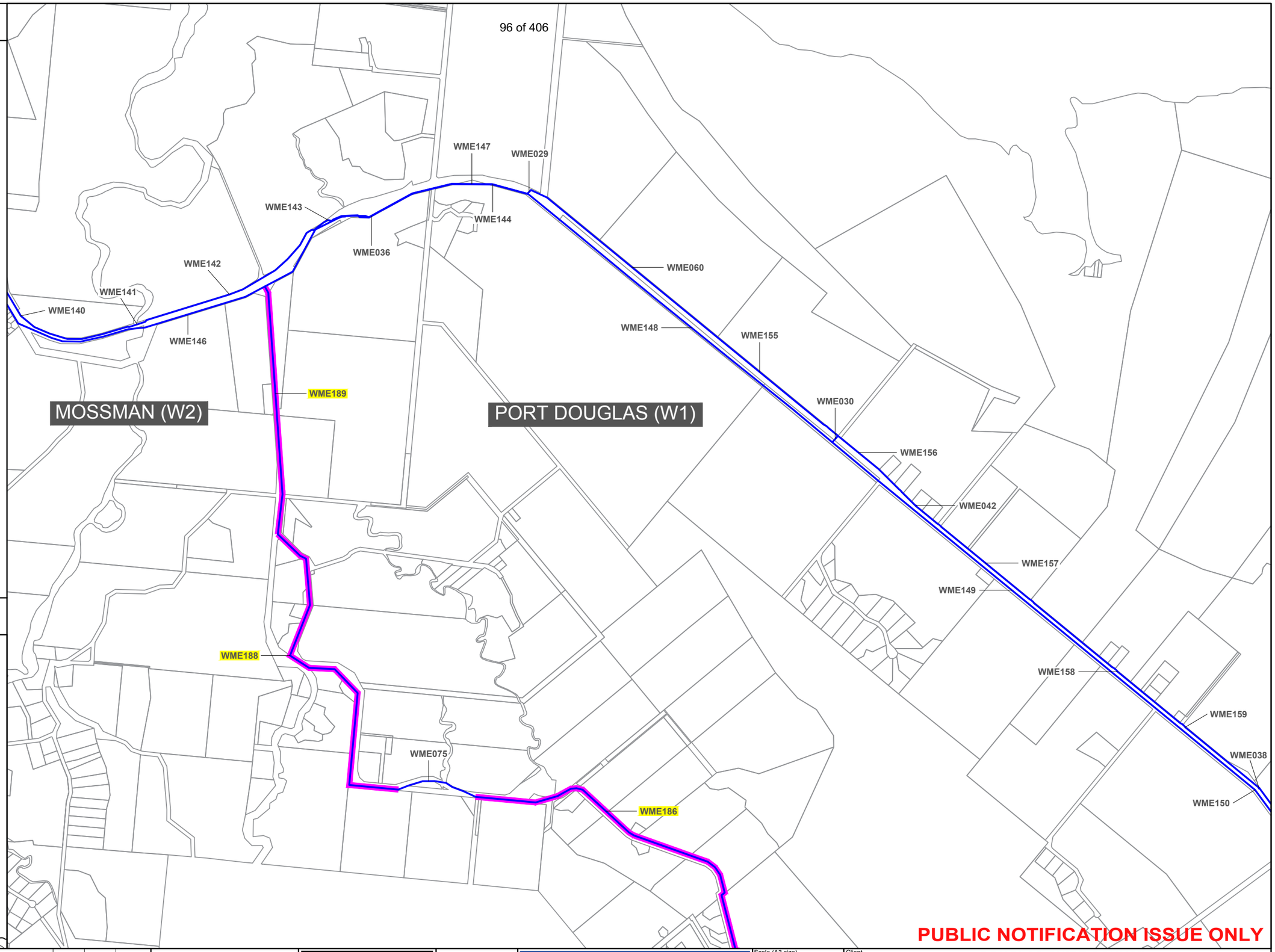
EXISTING WATER SUPPLY TRUNK INFRASTRUCTURE

- WATER MAIN
- WATER MAIN ≤ 80mm
- PUMP STATION
- WATER TREATMENT PLANT
- RESERVOIR
- BORE
- RAW WATER INTAKE

N

KEY MAP





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1:20000	DOUGLAS SHIRE COUNCIL
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	Title: EXISTING WATER TRUNK INFRASTRUCTURE - GRID 8

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-110	D

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External References: TEC-TITLE-A3_a.dwg

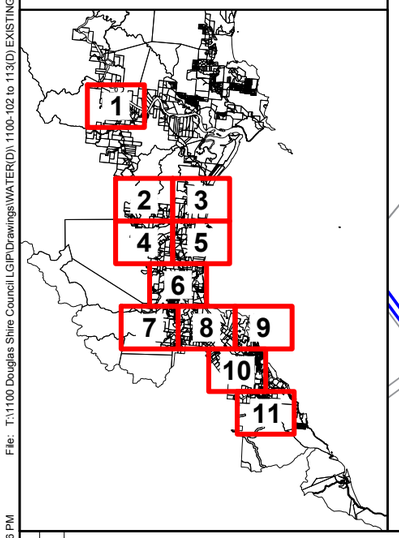
LEGEND

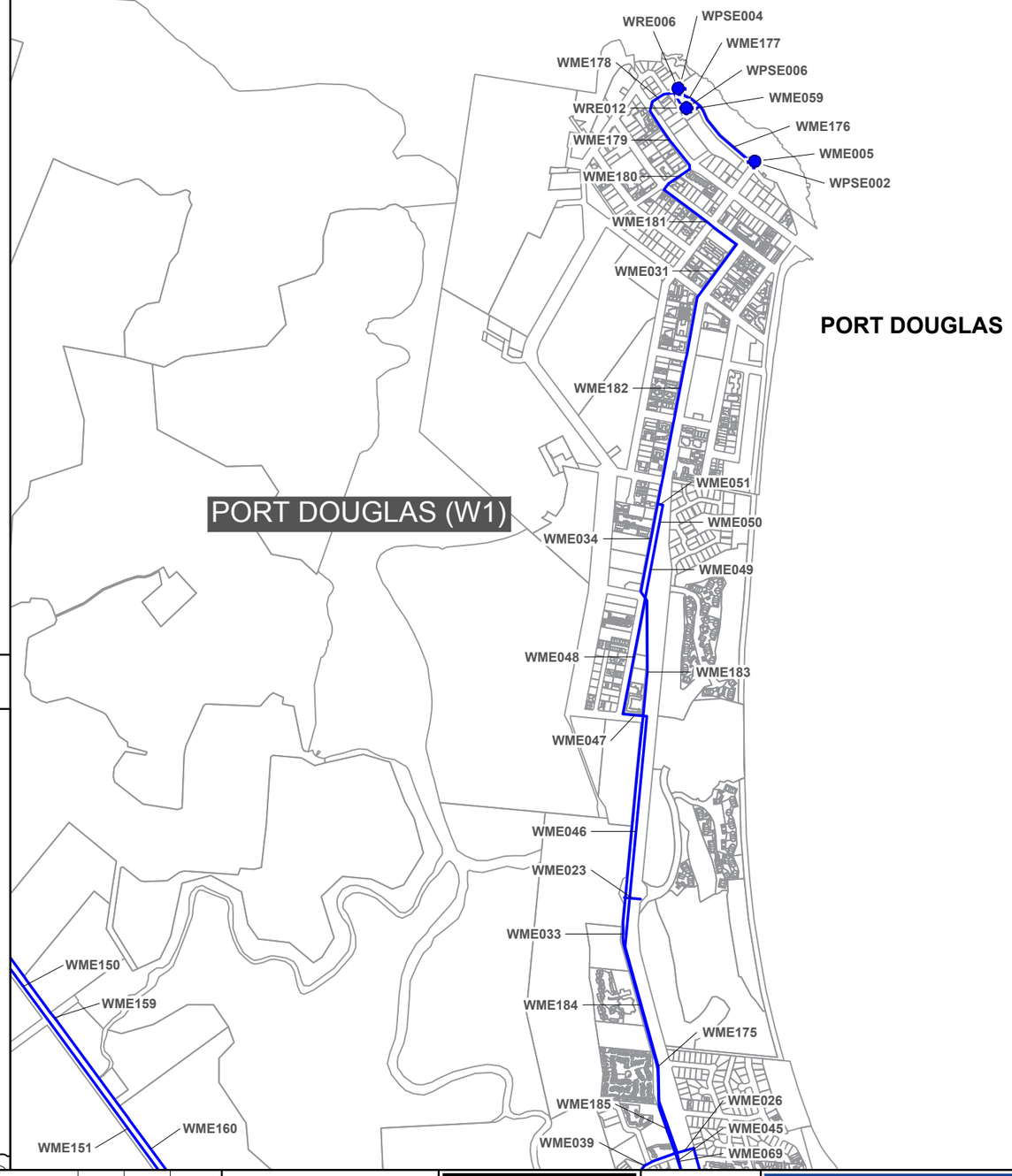
EXISTING WATER SUPPLY TRUNK INFRASTRUCTURE

- WATER MAIN
- WATER MAIN ≤ 80mm
- PUMP STATION
- WATER TREATMENT PLANT
- RESERVOIR
- BORE
- RAW WATER INTAKE

N

KEY MAP





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1:20000	IM	RR	RR	RR	R RANKINE		20/03/18	1100-111	D

Drawing is not to be used for construction unless approved.

Client: DOUGLAS SHIRE COUNCIL

Project: 1100 DOUGLAS SHIRE COUNCIL LGIP

Title: EXISTING WATER TRUNK INFRASTRUCTURE - GRID 9

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File: T:\1100 Douglas Shire Council LGIP\Drawings\WATER(D)\ 1100-102 to 113(D) EXISTING WATER.dwg

External References: TEC-TITLE-A3_a.dwg

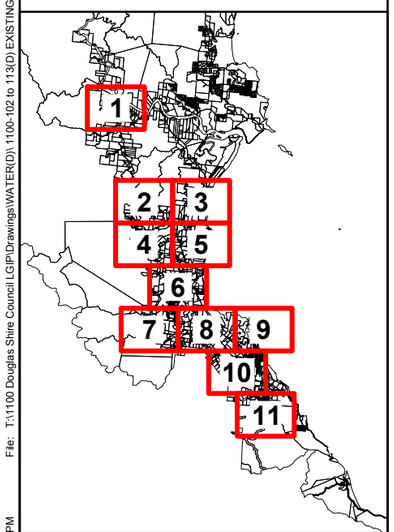
LEGEND

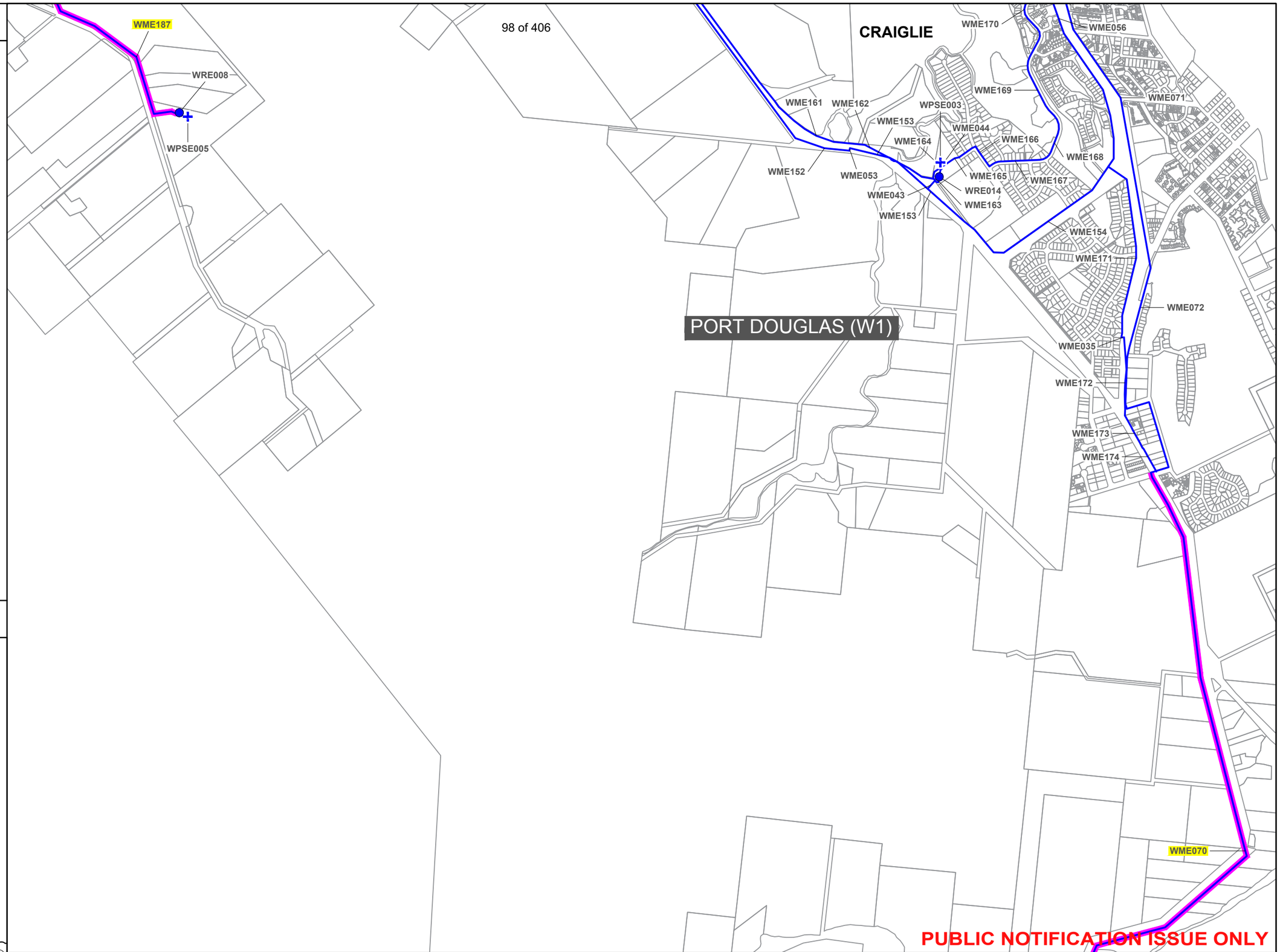
EXISTING WATER SUPPLY TRUNK INFRASTRUCTURE

- WATER MAIN
- WATER MAIN ≤ 80mm
- PUMP STATION
- WATER TREATMENT PLANT
- RESERVOIR
- BORE
- RAW WATER INTAKE

N

KEY MAP





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GRID: 10

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Scale (A3 size): 1:20000

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Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-112	D

Client: DOUGLAS SHIRE COUNCIL

Project: 1100 DOUGLAS SHIRE COUNCIL LGIP

Title: EXISTING WATER TRUNK INFRASTRUCTURE - GRID 10

Printed: 20 March 2018, 6:26 PM
File: T:\1100 Douglas Shire Council LGIP\Drawings\WATER(D)\ 1100-102 to 113(D) EXISTING WATER.dwg

External References: TEC-TITLE-A3_a.dwg

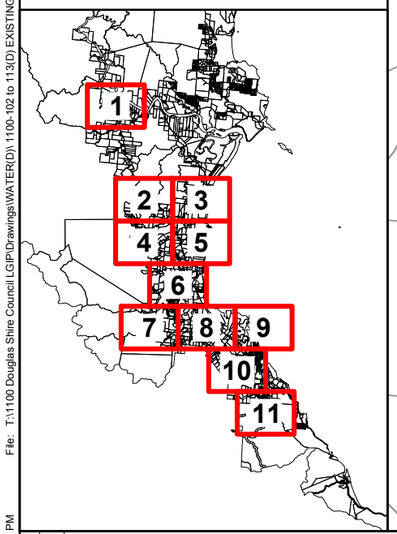
LEGEND

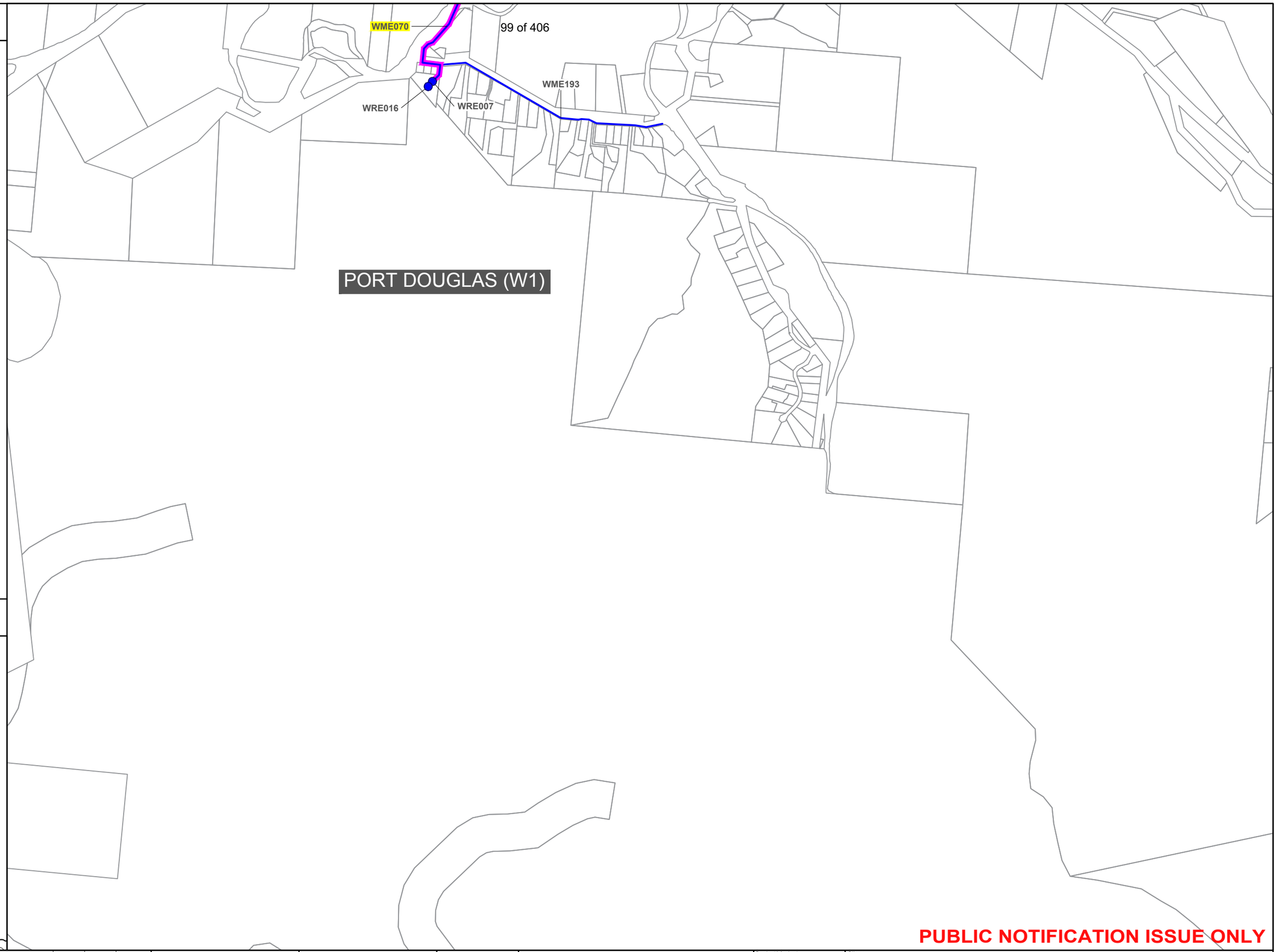
EXISTING WATER SUPPLY TRUNK INFRASTRUCTURE

- WATER MAIN
- WATER MAIN ≤ 80mm
- PUMP STATION
- WATER TREATMENT PLANT
- RESERVOIR
- BORE
- RAW WATER INTAKE

N

KEY MAP





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Revisions					
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

GRID: 11

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Scale (A3 size): 1:20000

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Client: DOUGLAS SHIRE COUNCIL

Project: 1100 DOUGLAS SHIRE COUNCIL LGIP

Title: EXISTING WATER TRUNK INFRASTRUCTURE - GRID 11

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-113	D

Printed: 20 March 2018, 6:26 PM
File: T:\1100 Douglas Shire Council LGIP\Drawings\WATER(D)\ 1100-102 to 113(D) EXISTING WATER.dwg

External References: TEC-TITLE-A3_a.dwg

LEGEND

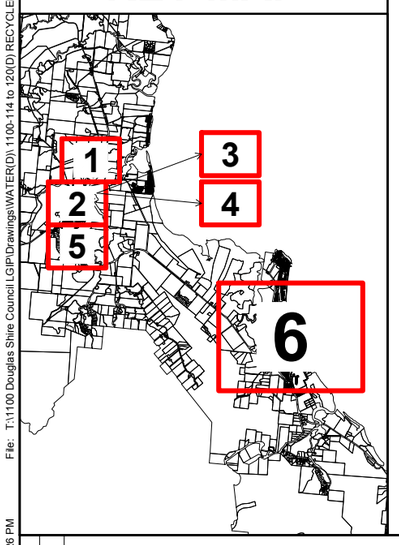
RECYCLED WATER SUPPLY TRUNK INFRASTRUCTURE

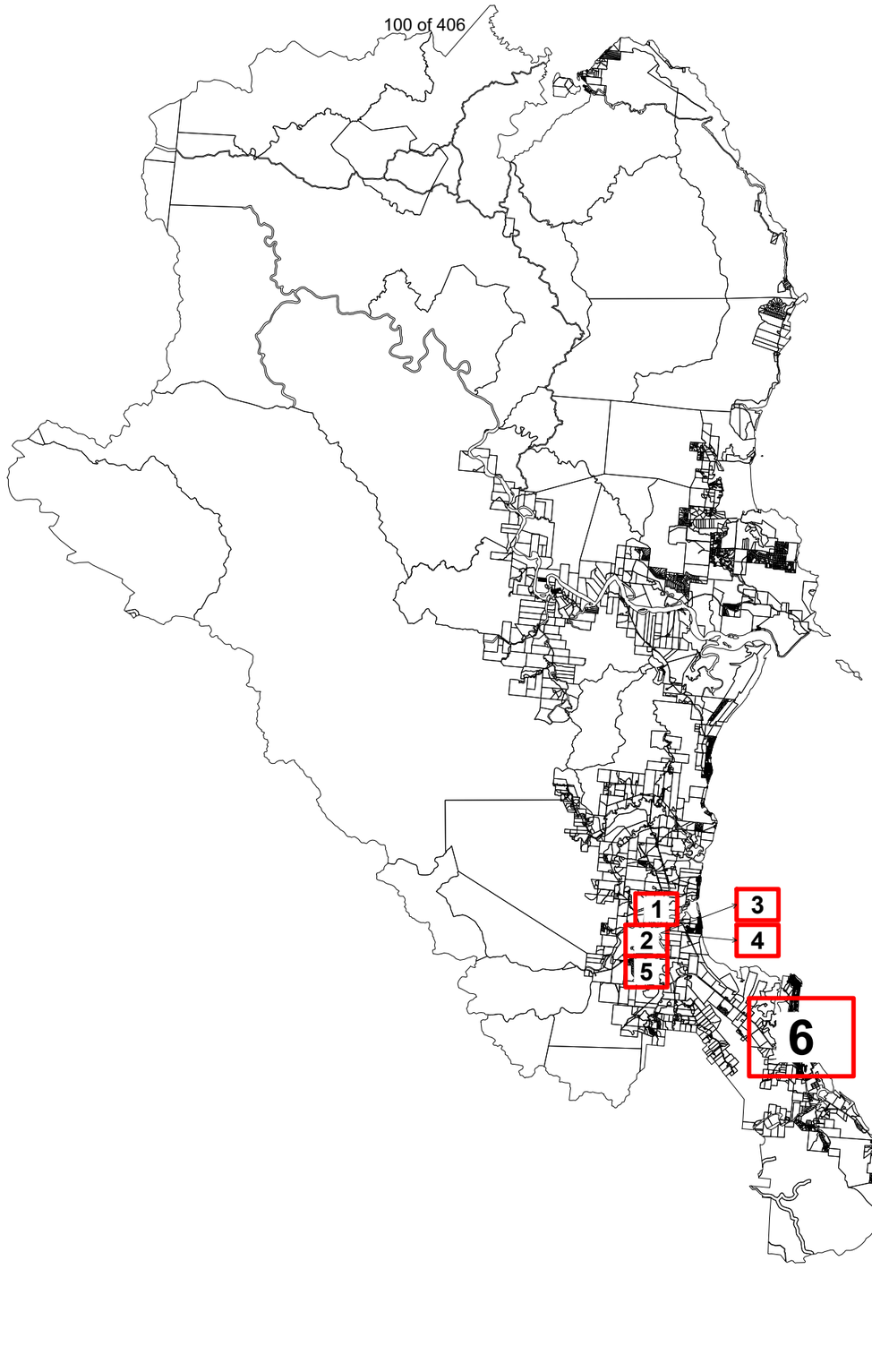
WATER MAIN

WATER MAIN ≤ 80mm

N

KEY MAP





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No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

Revisions

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Scale (A3 size)	NOT TO SCALE
	Drawing is not to be used for construction unless approved.
Client	DOUGLAS SHIRE COUNCIL
Project	1100 DOUGLAS SHIRE COUNCIL LGIP
Title	EXISTING RECYCLED WATER TRUNK INFRASTRUCTURE KEY MAP

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-114	D

Printed: 20 March 2018, 6:26 PM
File: T:\1100 Douglas Shire Council LGIP\Drawings\WATER(D)\ 1100-114 to 120(D) RECYCLED WATER.dwg

External References: TEC-TITLE-A3_a.dwg

LEGEND

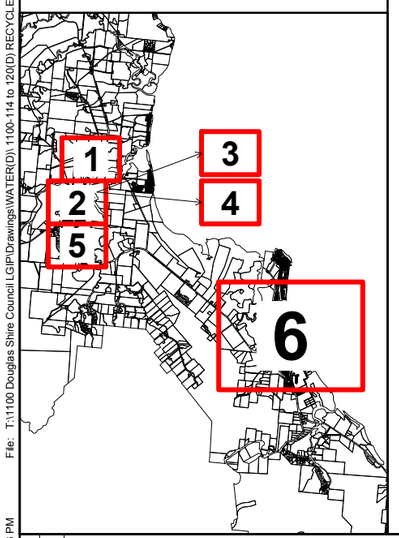
RECYCLED WATER SUPPLY TRUNK INFRASTRUCTURE

WATER MAIN

WATER MAIN ≤ 80mm

N

KEY MAP



RWME067
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RWME113
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RWME030
RWME032
RWME060
RWME049
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RWME126
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RWME002
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RWME097
RWME048
RWME106

MOSSMAN (W2)

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No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

Revisions

GRID: 1

DOUGLAS SHIRE COUNCIL
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Scale (A3 size)	Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
1:8000	IM	RR	RR	RR	R RANKINE		20/03/18	1100-115	D

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Client: DOUGLAS SHIRE COUNCIL
Project: 1100 DOUGLAS SHIRE COUNCIL LGIP
Title: EXISTING RECYCLED WATER TRUNK INFRASTRUCTURE - GRID 1

Printed: 20 March 2018, 6:26 PM
File: T:\1100 Douglas Shire Council LGIP\Drawings\WATER(D)\ 1100-114 to 120(D) RECYCLED WATER.dwg

External References: TEC-TITLE-A3_a.dwg

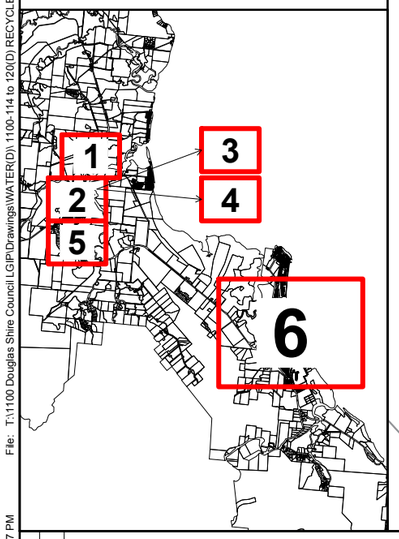
LEGEND

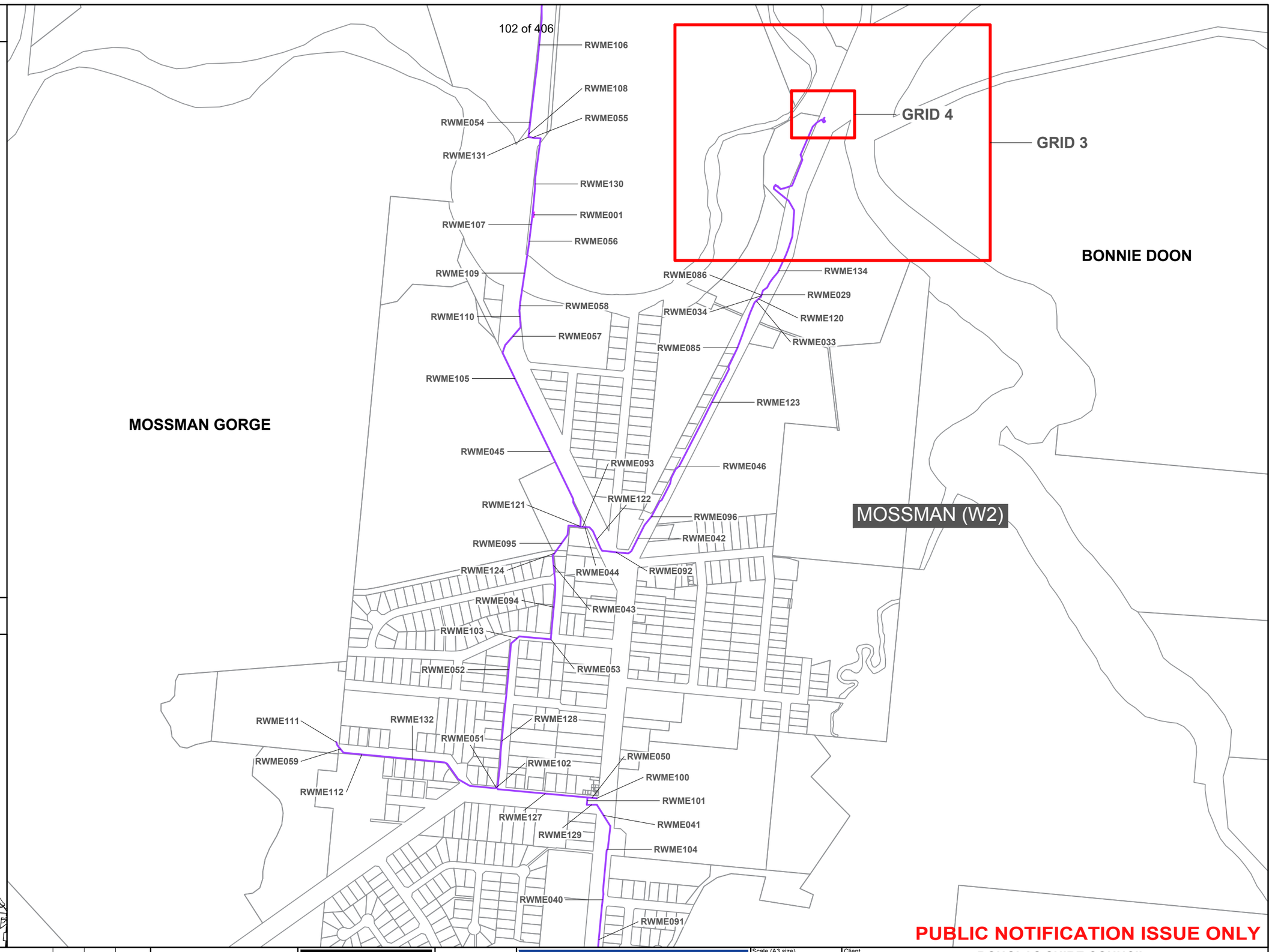
RECYCLED WATER SUPPLY TRUNK INFRASTRUCTURE

- WATER MAIN
- WATER MAIN ≤ 80mm

N

KEY MAP





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Revisions					
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

GRID: 2

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Scale (A3 size)	1:8000
	Drawing is not to be used for construction unless approved.
Client	DOUGLAS SHIRE COUNCIL
Project	1100 DOUGLAS SHIRE COUNCIL LGIP
Title	EXISTING RECYCLED WATER TRUNK INFRASTRUCTURE - GRID 2

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-116	D

Printed: 20 March 2018, 6:27 PM
File: T:\1100 Douglas Shire Council LGIP\Drawings\WATER\(D)\1100-114 to 120(D) RECYCLED WATER.dwg
External References: TEC-TITLE-A3_a.dwg

LEGEND

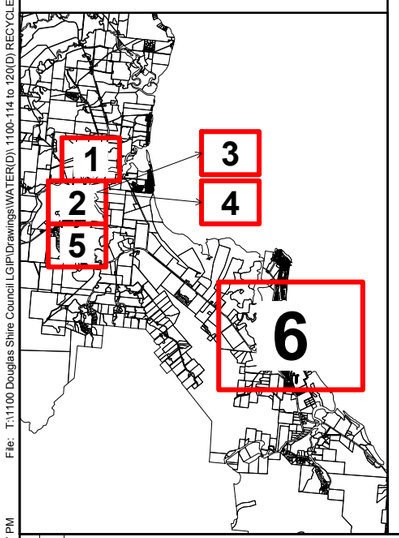
RECYCLED WATER SUPPLY TRUNK INFRASTRUCTURE

WATER MAIN

WATER MAIN ≤ 80mm

N

KEY MAP



GRID 4

RWME017
RWME079
RWME080
RWME025
RWME026
RWME028
RWME081
RWME027
RWME078
RWME117
RWME134

MOSSMAN (W2)

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Revisions					
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

GRID: 3

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Scale (A3 size)	Client	
1:2000	DOUGLAS SHIRE COUNCIL	
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	Title: EXISTING RECYCLED WATER TRUNK INFRASTRUCTURE - GRID 3	

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-117	D

External References: TEC-TITLE-A3_a.dwg

File: T:\1100 Douglas Shire Council LGIP\Drawings\WATER(D)\ 1100-114 to 120(D) RECYCLED WATER.dwg
Printed: 20 March 2018, 6:27 PM

LEGEND

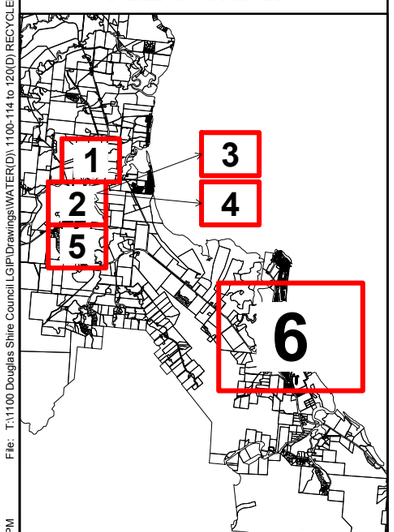
RECYCLED WATER SUPPLY TRUNK INFRASTRUCTURE

WATER MAIN

WATER MAIN ≤ 80mm

N

KEY MAP



MOSSMAN (W2)

RWME020
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RWME073
RWME072
RWME076
RWME023
RWME114
RWME115
RWME116
RWME019
RWME022
RWME133
RWME077
RWME024
RWME074
RWME018

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Revisions					
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

GRID: 4

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Scale (A3 size)	Client	
1:400	DOUGLAS SHIRE COUNCIL	
Drawing is not to be used for construction unless approved.	Project: 1100 DOUGLAS SHIRE COUNCIL LGIP	
	Title: EXISTING RECYCLED WATER TRUNK INFRASTRUCTURE - GRID 4	

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-118	D

External References: TEC-TITLE-A3_a.dwg

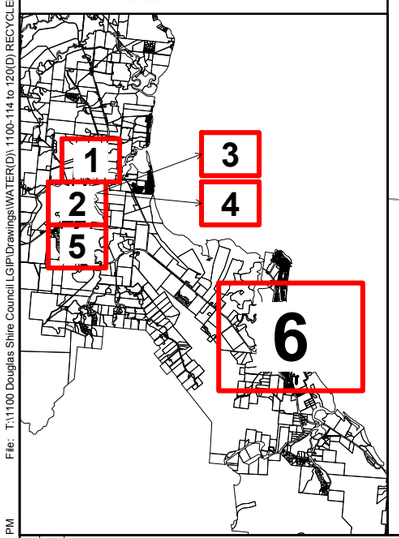
File: T:\1100 Douglas Shire Council LGIP\Drawings\WATER(D)\ 1100-114 to 120(D) RECYCLED WATER.dwg
Printed: 20 March 2018, 6:27 PM

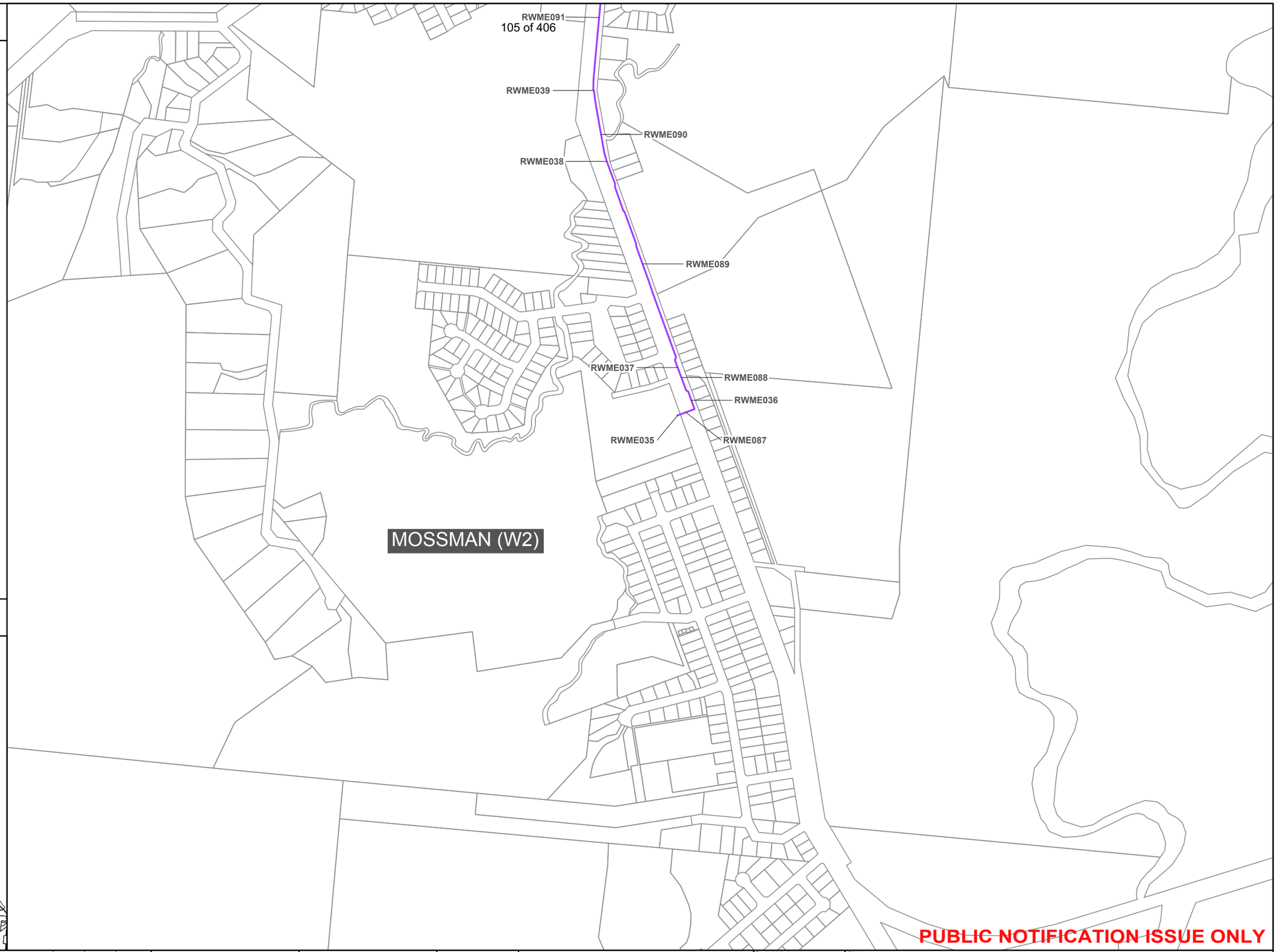
LEGEND

RECYCLED WATER SUPPLY TRUNK INFRASTRUCTURE

- WATER MAIN
- WATER MAIN ≤ 80mm

KEY MAP





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Revisions					
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

GRID: 5

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Scale (A3 size)	Client	
1:8000	DOUGLAS SHIRE COUNCIL	
Drawing is not to be used for construction unless approved.	Project	1100 DOUGLAS SHIRE COUNCIL LGIP
	Title	EXISTING RECYCLED WATER TRUNK INFRASTRUCTURE - GRID 5

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-119	D

Printed: 20 March 2018, 6:27 PM
File: T:\1100 Douglas Shire Council LGIP\Drawings\WATER(D)\ 1100-114 to 120(D) RECYCLED WATER.dwg

External References: TEC-TITLE-A3_a.dwg

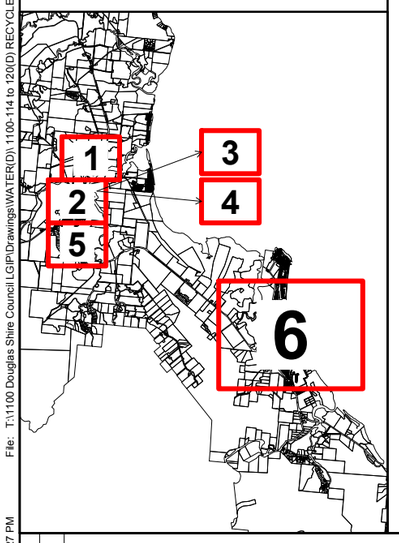
LEGEND

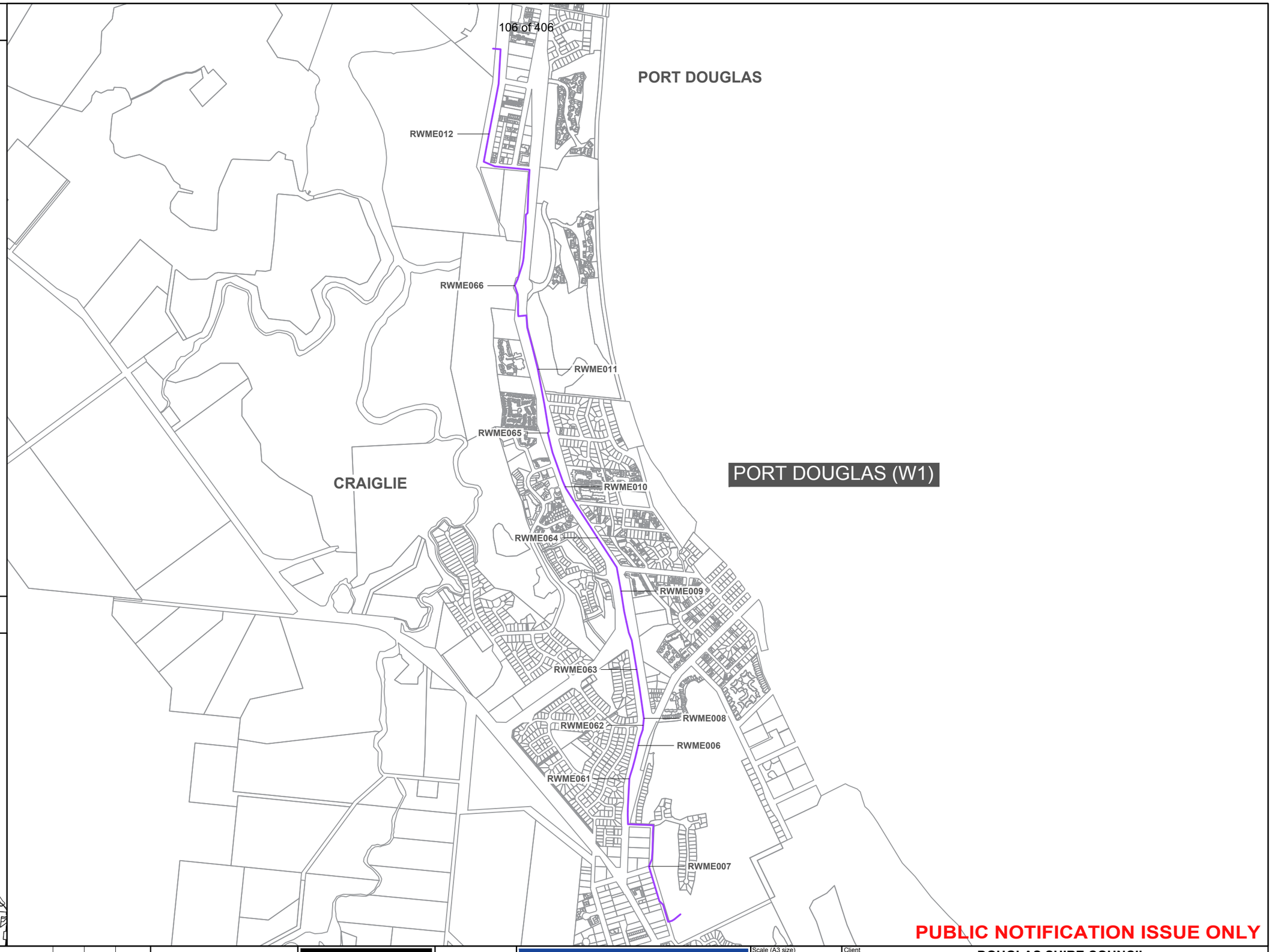
RECYCLED WATER SUPPLY TRUNK INFRASTRUCTURE

- WATER MAIN
- WATER MAIN ≤ 80mm

N

KEY MAP





PORT DOUGLAS (W1)

PUBLIC NOTIFICATION ISSUE ONLY

No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

Revisions

GRID: 6

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Scale (A3 size)	1:20000
	Drawing is not to be used for construction unless approved.
Client	DOUGLAS SHIRE COUNCIL
Project	1100 DOUGLAS SHIRE COUNCIL LGIP
Title	EXISTING RECYCLED WATER TRUNK INFRASTRUCTURE - GRID 6

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-120	D

External References: TEC-TITLE-A3_a.dwg

Printed: 20 March 2018, 6:27 PM
File: T:\1100 Douglas Shire Council LGIP\Drawings\WATER\D\1100-114 to 120(D) RECYCLED WATER.dwg

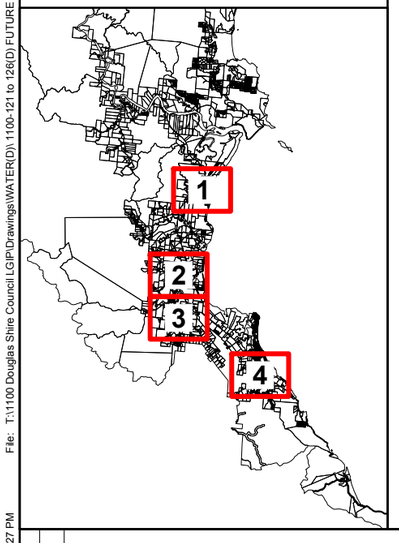
LEGEND

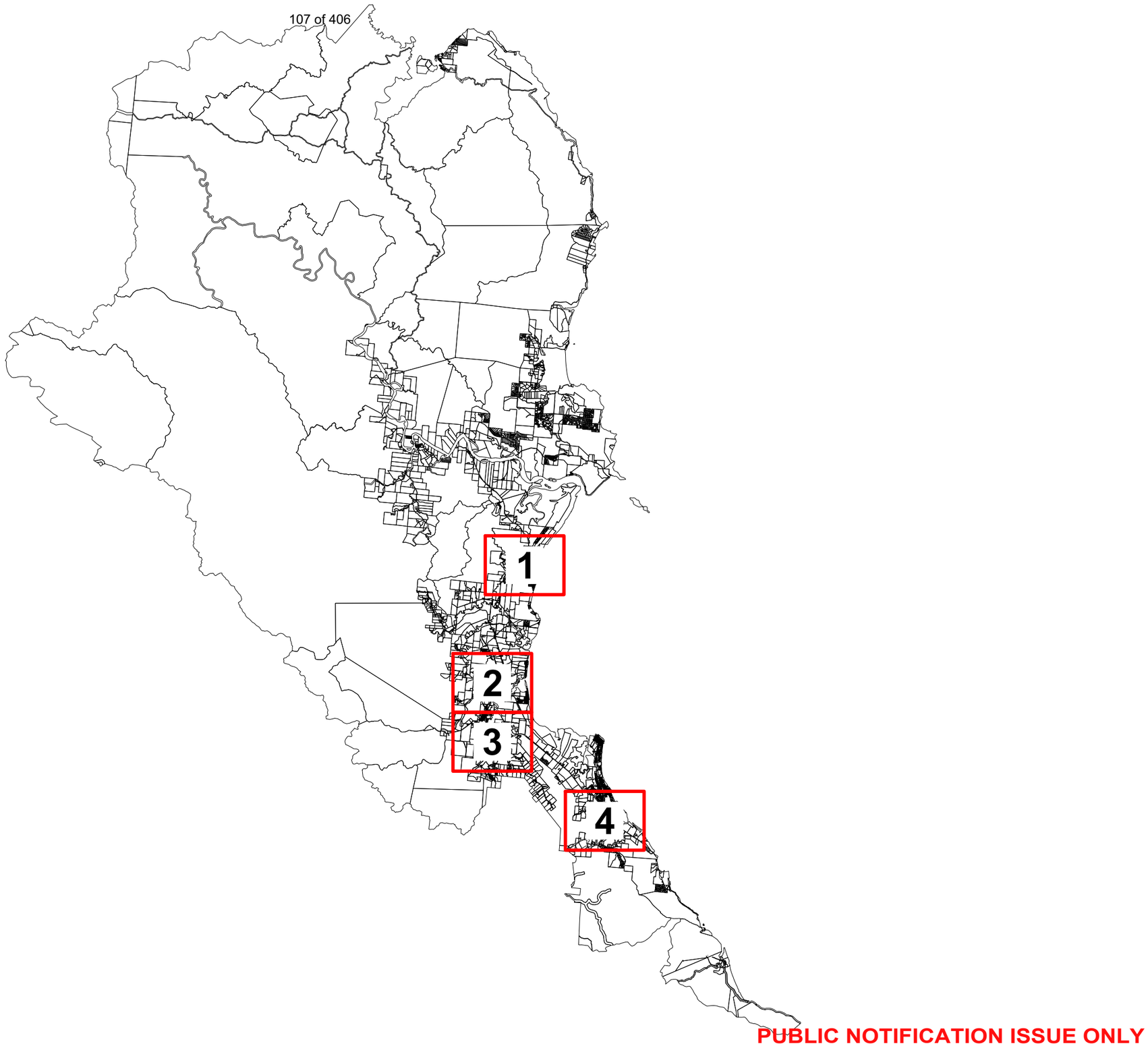
FUTURE WATER SUPPLY TRUNK INFRASTRUCTURE

- WATER MAIN
- RESERVOIR
- RESERVOIR
- RAW WATER INTAKE

N

KEY MAP





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Revisions					
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

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Scale (A3 size)	Client
NOT TO SCALE	DOUGLAS SHIRE COUNCIL
Drawing is not to be used for construction unless approved.	Project: 1100 DOUGLAS SHIRE COUNCIL LGIP
	Title: FUTURE WATER TRUNK INFRASTRUCTURE KEY MAP

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-121	D

Printed: 20 March 2018, 6:27 PM
File: T:\1100 Douglas Shire Council LGIP\Drawings\WATER(D)\ 1100-121 to 126(D) FUTURE WATER.dwg
External References: TEC-TITLE-A3_a.dwg

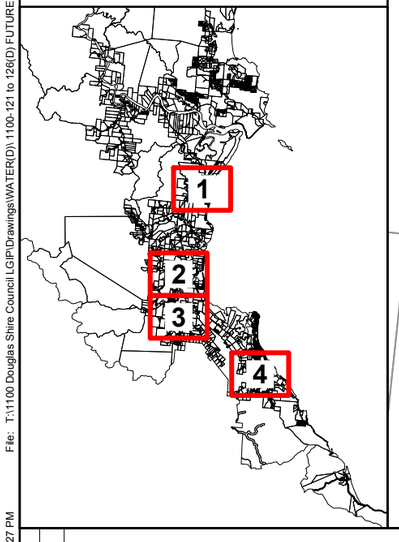
LEGEND

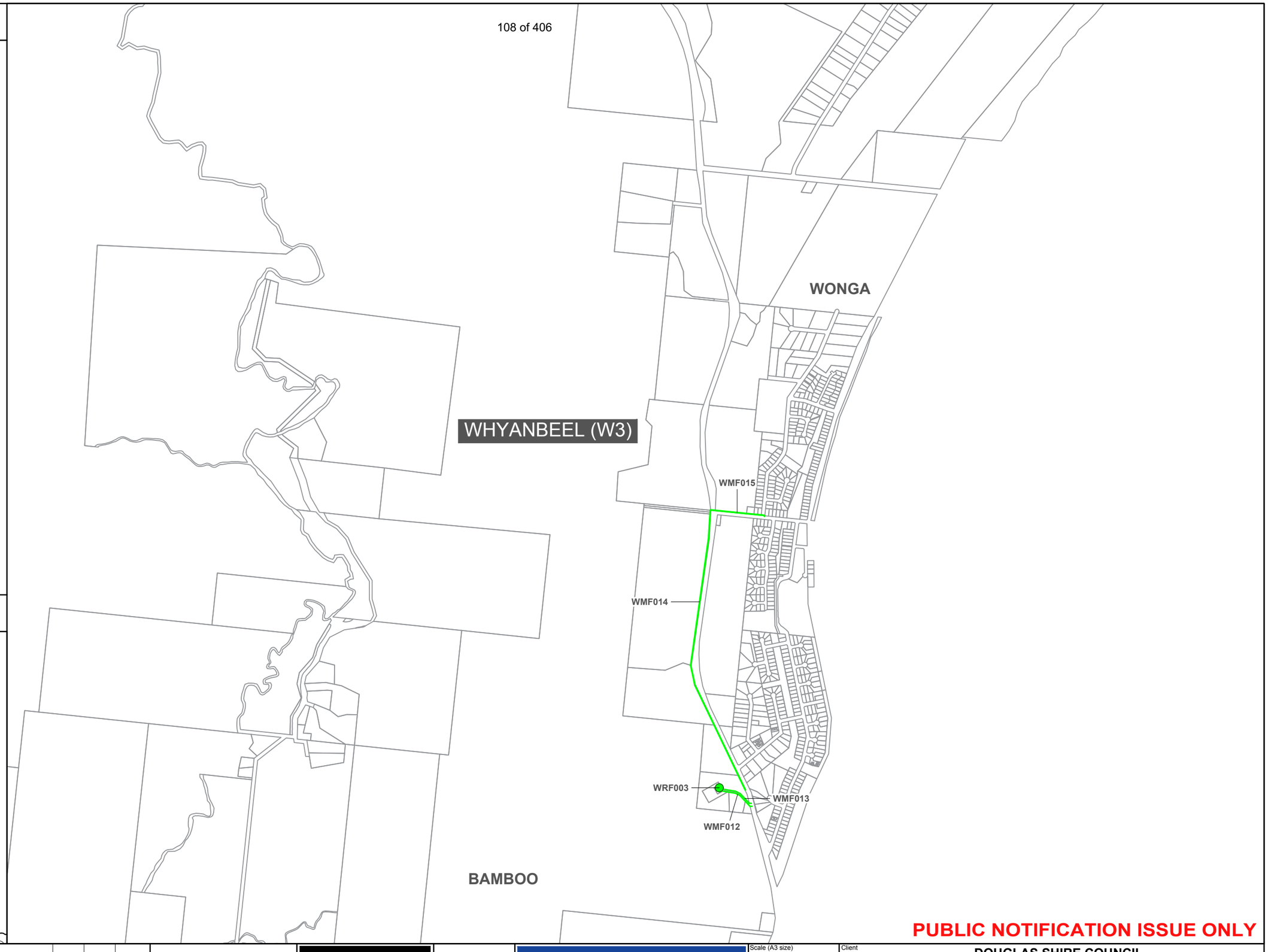
FUTURE WATER SUPPLY TRUNK INFRASTRUCTURE

- WATER MAIN
- RESERVOIR
- RESERVOIR
- RAW WATER INTAKE

N

KEY MAP





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No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

Revisions

GRID: 1

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Scale (A3 size): 1:20000

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Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date
IM	RR	RR	RR	R RANKINE		20/03/18

Client: DOUGLAS SHIRE COUNCIL

Project: 1100 DOUGLAS SHIRE COUNCIL LGIP

Title: FUTURE WATER TRUNK INFRASTRUCTURE - GRID 1

Drawing No.: 1100-122

Revision: D

Printed: 20 March 2018, 6:27 PM
File: T:\1100 Douglas Shire Council LGIP\Drawings\WATER(D)\ 1100-121 to 128(D) FUTURE WATER.dwg
External References: TEC-TITLE-A3_a.dwg

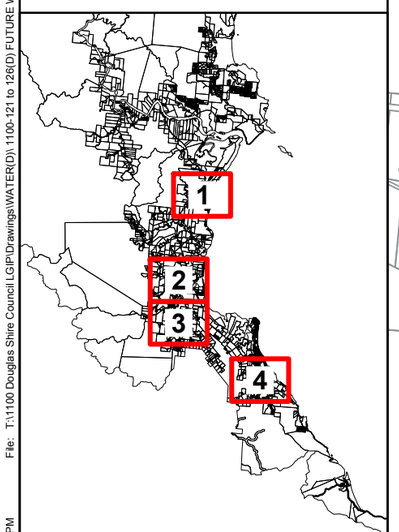
LEGEND

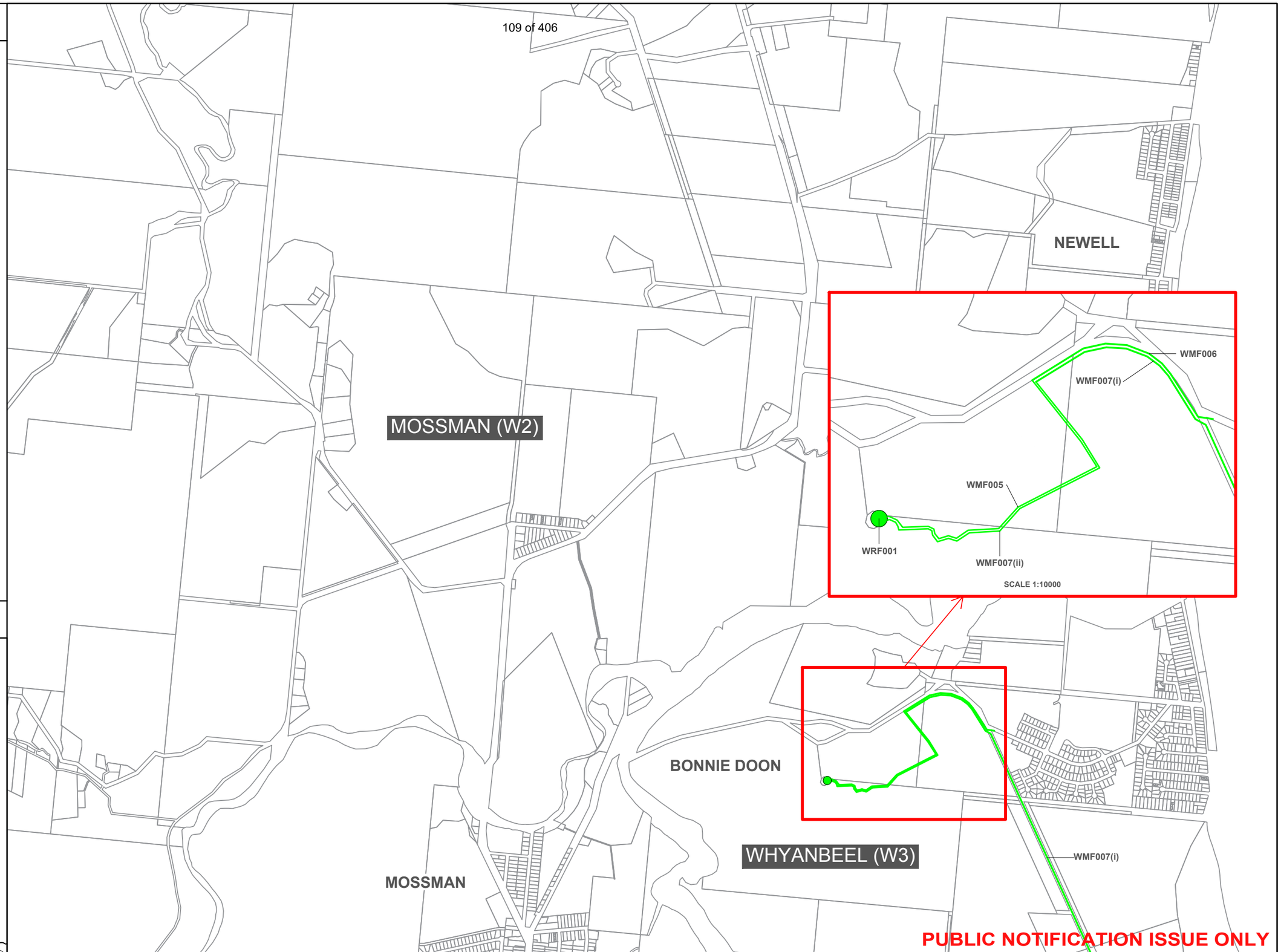
FUTURE WATER SUPPLY TRUNK INFRASTRUCTURE

- WATER MAIN
- RESERVOIR
- RESERVOIR
- RAW WATER INTAKE

N

KEY MAP





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Revisions				
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

GRID: 2

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Scale (A3 size)	1:20000
	Drawing is not to be used for construction unless approved.
Client	DOUGLAS SHIRE COUNCIL
Project	1100 DOUGLAS SHIRE COUNCIL LGIP
Title	FUTURE WATER TRUNK INFRASTRUCTURE - GRID 2

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-123	D

File: T:\1100 Douglas Shire Council LGIP\Drawings\WATER(D)\ 1100-121 to 126(D) FUTURE WATER.dwg
Printed: 20 March 2018, 6:27 PM

External References: TEC-TITLE-A3_a.dwg

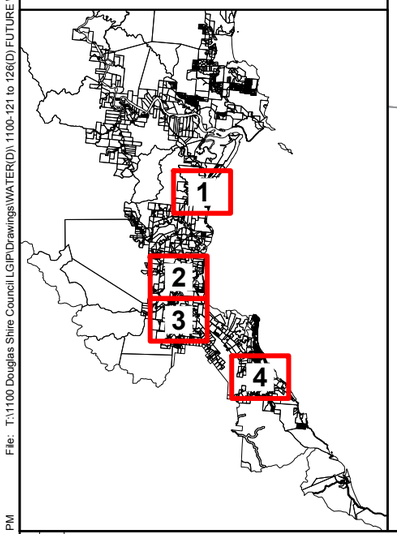
LEGEND

FUTURE WATER SUPPLY TRUNK INFRASTRUCTURE

- WATER MAIN
- RESERVOIR
- RESERVOIR
- RAW WATER INTAKE

N

KEY MAP



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Revisions					
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

GRID: 3

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Scale (A3 size)	Client
1:20000	DOUGLAS SHIRE COUNCIL
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	Title: FUTURE WATER TRUNK INFRASTRUCTURE - GRID 3

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-124	D

Printed: 20 March 2018, 6:27 PM
File: T:\1100 Douglas Shire Council LGIP\Drawings\WATER(D)\ 1100-121 to 126(D) FUTURE WATER.dwg
External References: TEC-TITLE-A3_a.dwg

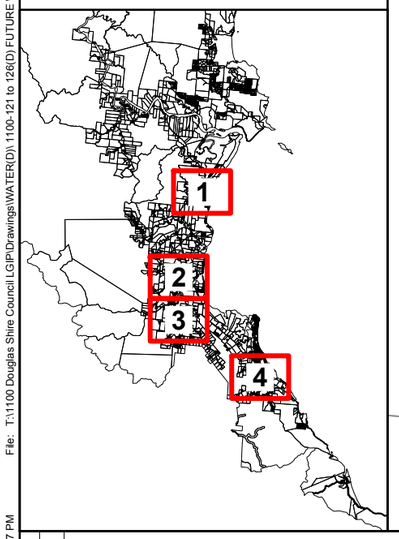
LEGEND

FUTURE WATER SUPPLY TRUNK INFRASTRUCTURE

- WATER MAIN
- RESERVOIR
- RESERVOIR
- RAW WATER INTAKE

N

KEY MAP



WMF002(i)
WMF002(ii)
WRF002
CRAIGLIE
WMF001
PORT DOUGLAS (W1)
WMF003(i)
WMF003(ii)
WMF003
WMF003(iii)

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No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

Revisions

GRID: 4

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Scale (A3 size): 1:20000

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Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-125	D

Client: DOUGLAS SHIRE COUNCIL

Project: 1100 DOUGLAS SHIRE COUNCIL LGIP

Title: FUTURE WATER TRUNK INFRASTRUCTURE - GRID 4

Printed: 20 March 2018, 6:27 PM
File: T:\1100 Douglas Shire Council LGIP\Drawings\WATER(D)\1100-121 to 128(D) FUTURE WATER.dwg
External References: TEC-TITLE-A3_a.dwg

DOUGLAS SHIRE COUNCIL

Trinity Engineering and Consulting

LOCAL GOVERNMENT INFRASTRUCTURE PLANS (SEWERAGE TRUNK INFRASTRUCTURE)

for

DOUGLAS SHIRE COUNCIL

SCHEDULE OF PROJECT DRAWINGS

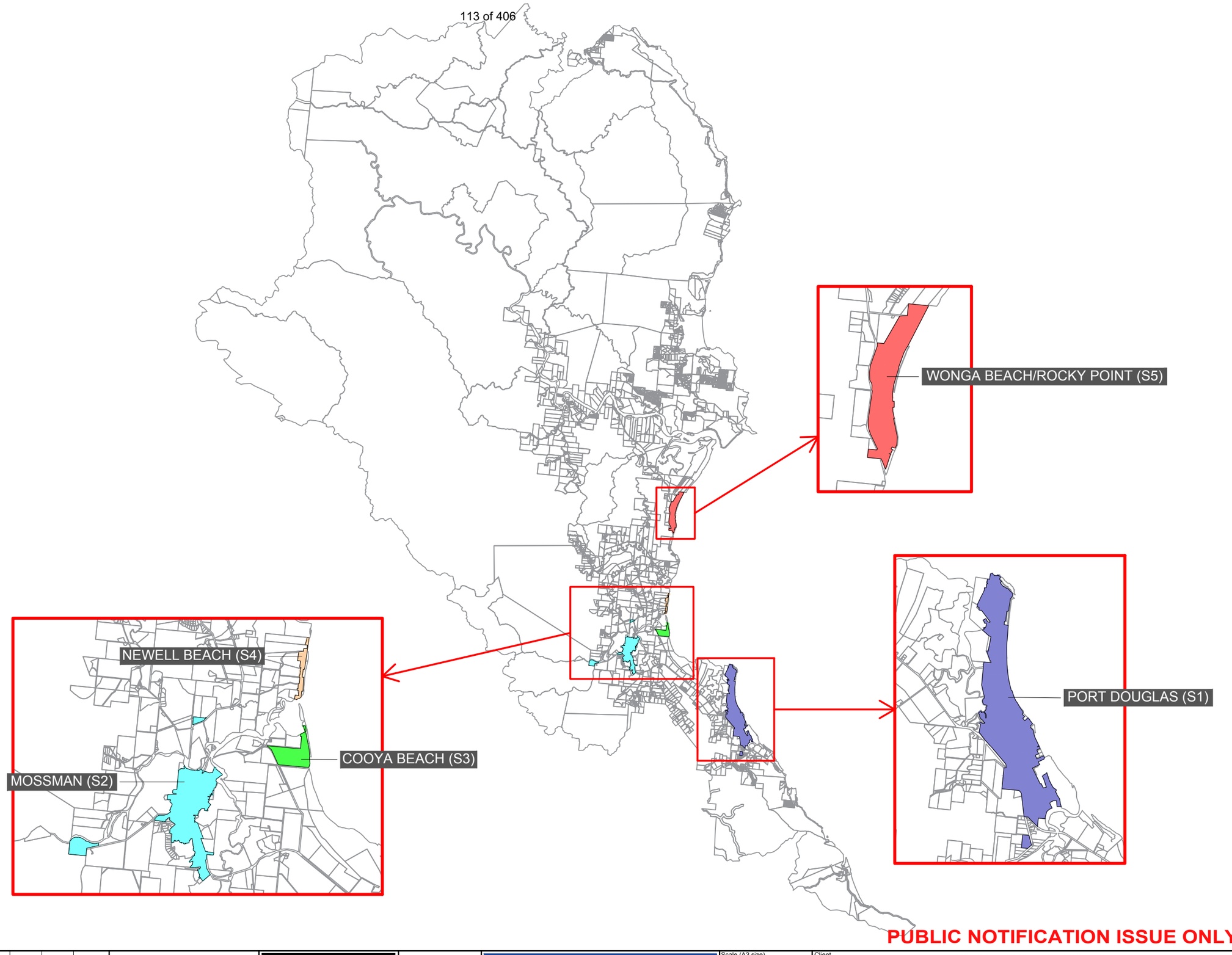
PUBLIC NOTIFICATION ISSUE ONLY

LEGEND

SEWERAGE INFRASTRUCTURE CHARGES CATCHMENT AREAS

- PORT DOUGLAS (S1)
- MOSSMAN (S2)
- COOYA BEACH (S3)
- NEWELL BEACH (S4)
- WONGA BEACH/ROCKY POINT (S5)

N



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Revisions				
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

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NOT TO SCALE	DOUGLAS SHIRE COUNCIL
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	Title: SEWERAGE INFRASTRUCTURE CHARGES CATCHMENTS

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-201	D

Printed: 20 March 2018, 5:29 PM
File: T:\1100 Douglas Shire Council LGIP\Drawings\SEWERAGE(D)\ 1100-201(D) SEWERAGE CHARGES CATCHMENTS.dwg

External References: TEC-TITLE-A3_a.dwg

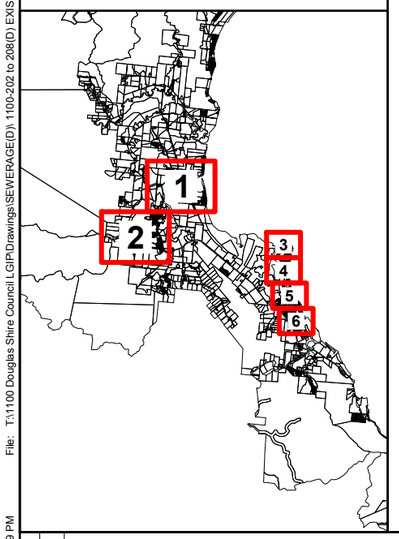
LEGEND

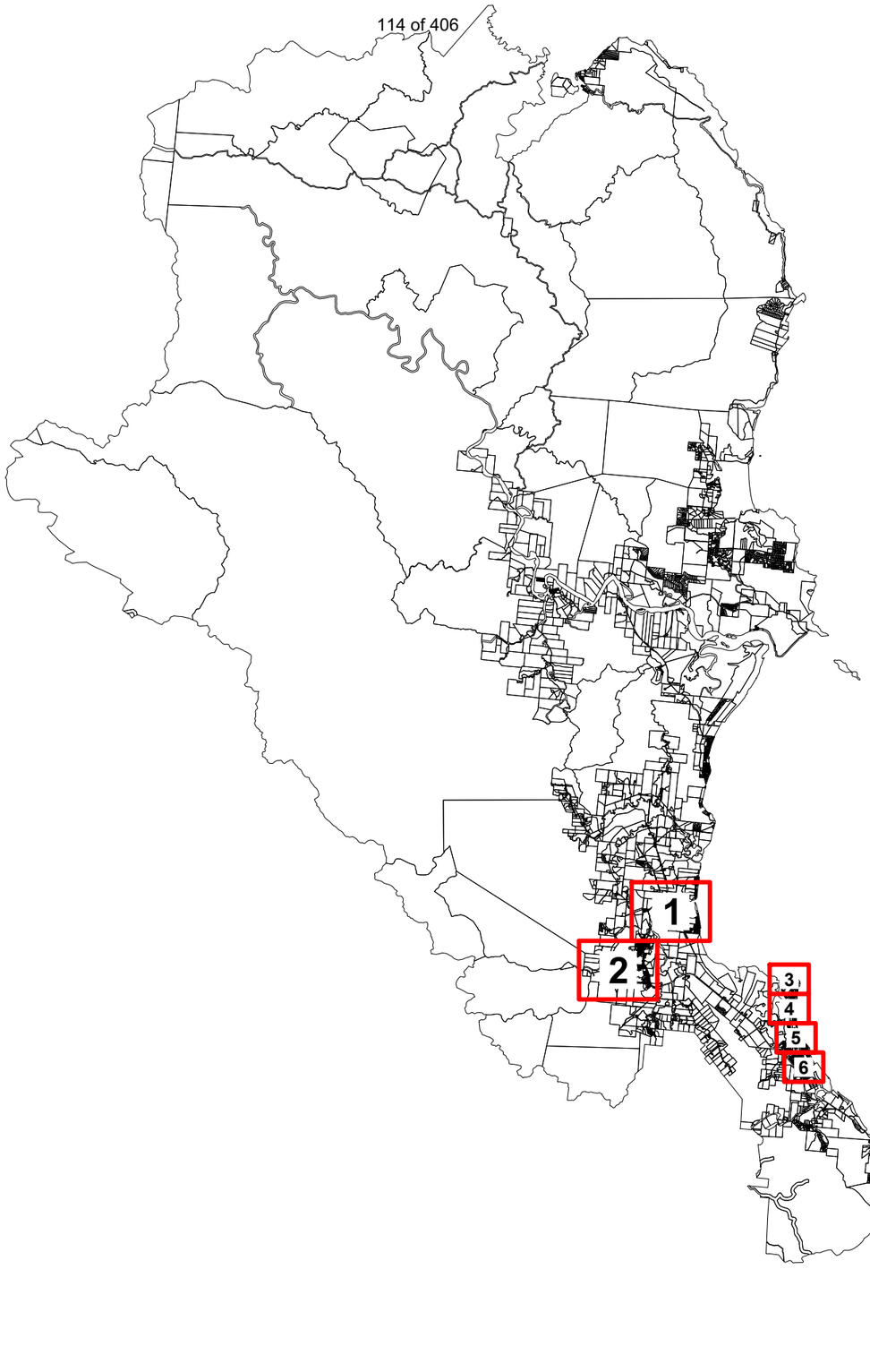
EXISTING SEWERAGE TRUNK INFRASTRUCTURE

- EFFLUENT RISING MAIN
- GRAVITY MAIN
- RISING MAIN
- PUMP STATION
- WASTEWATER TREATMENT PLANT

N

KEY MAP





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Revisions				
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

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Scale (A3 size)	Client
NOT TO SCALE	DOUGLAS SHIRE COUNCIL
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	Title: EXISTING SEWERAGE TRUNK INFRASTRUCTURE KEY MAP

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-202	D

Printed: 20 March 2018, 5:29 PM
File: T:\1100 Douglas Shire Council LGIP\Drawings\SEWERAGE(D)\ 1100-202 to 208(D) EXISTING SEWERAGE.dwg

External References: TEC-TITLE-A3_a.dwg

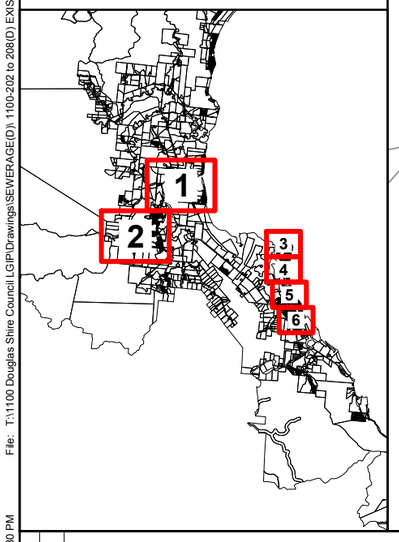
LEGEND

EXISTING SEWERAGE TRUNK INFRASTRUCTURE

- EFFLUENT RISING MAIN
- GRAVITY MAIN
- RISING MAIN
- PUMP STATION
- WASTEWATER TREATMENT PLANT

N

KEY MAP



NEWELL

SPSE020

RME017

MOSSMAN (S2)

COOYA BEACH (S3)

COOYA BEACH

MOSSMAN

RME038

RME037

RME041

RME039

STPE003

RME035

SPSE017

RME042

RME040

RME003

RME033

RME070

RME034

RME018

SPSE002

RME036

BONNIE DOON

RME019

GME029

SPSE001

GME015

GME031

GME030

PUBLIC NOTIFICATION ISSUE ONLY

File: T:\1100 Douglas Shire Council LGIP\Drawings\SEWERAGE(D). 1100-202 to 208(D) EXISTING SEWERAGE.dwg

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Revisions

No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

GRID: 1

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Scale (A3 size): 1:15000

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Client: DOUGLAS SHIRE COUNCIL

Project: 1100 DOUGLAS SHIRE COUNCIL LGIP

Title: EXISTING SEWERAGE TRUNK INFRASTRUCTURE - GRID 1

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-203	D

External References: TEC-TITLE-A3_a.dwg

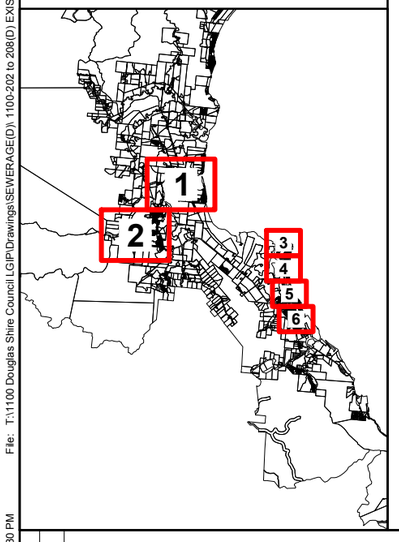
LEGEND

EXISTING SEWERAGE TRUNK INFRASTRUCTURE

- EFFLUENT RISING MAIN
- GRAVITY MAIN
- RISING MAIN
- PUMP STATION
- WASTEWATER TREATMENT PLANT

N

KEY MAP



FINLAYVALE

MOSSMAN

MOSSMAN (S2)

SPSE003
SPSE004
SPSE028
RME020
RME021
RME002
RME043
GME001
GME010
GME011
GME012
GME013
GME014
GME016
GME017
GME018
GME030
GME031
GME032
GME033
GME034
GME035
GME036
GME037
GME038
GME039
GME040
GME051

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Revisions					
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

GRID: 2

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Scale (A3 size)	1:15000
	Drawing is not to be used for construction unless approved.
Client	DOUGLAS SHIRE COUNCIL
Project	1100 DOUGLAS SHIRE COUNCIL LGIP
Title	EXISTING SEWERAGE TRUNK INFRASTRUCTURE - GRID 2

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-204	D

External References: TEC-TITLE-A3_a.dwg

File: T:\1100 Douglas Shire Council LGIP\Drawings\SEWERAGE(D)\ 1100-202 to 208(D) EXISTING SEWERAGE.dwg
Printed: 20 March 2018, 5:30 PM

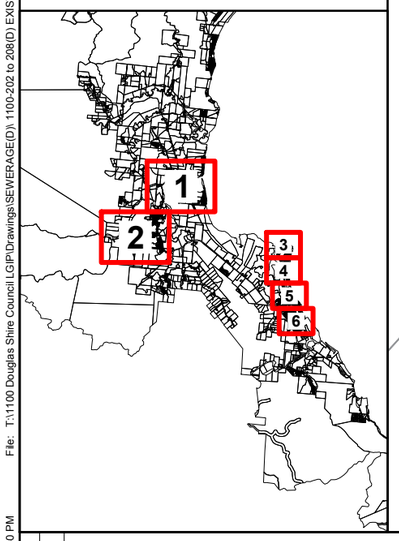
LEGEND

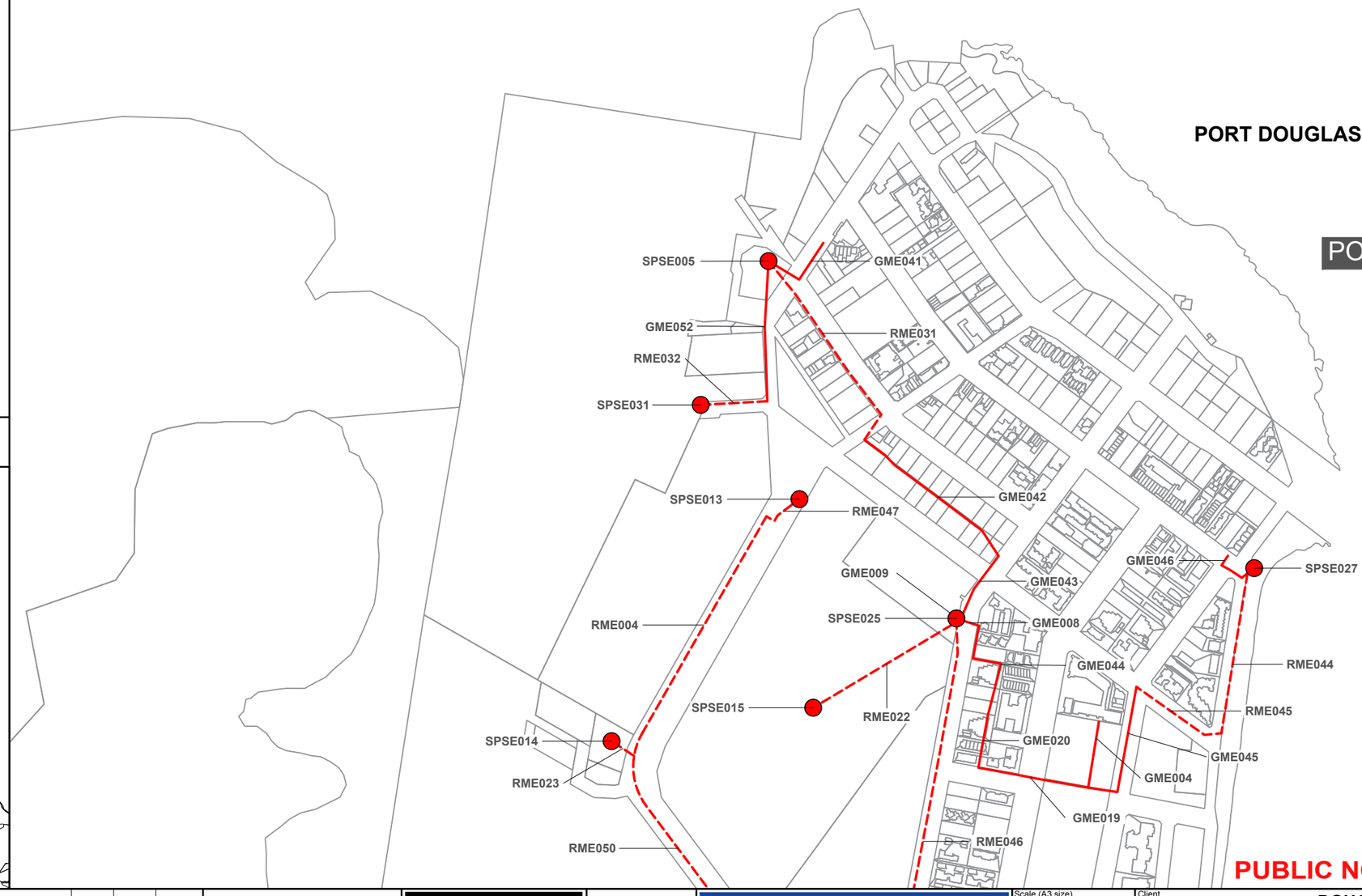
EXISTING SEWERAGE TRUNK INFRASTRUCTURE

- EFFLUENT RISING MAIN
- GRAVITY MAIN
- RISING MAIN
- PUMP STATION
- WASTEWATER TREATMENT PLANT

N

KEY MAP





PORT DOUGLAS (S1)

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Revisions					
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

GRID: 3

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Scale (A3 size): 1:7500

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Client: DOUGLAS SHIRE COUNCIL
Project: 1100 DOUGLAS SHIRE COUNCIL LGIP
Title: EXISTING SEWERAGE TRUNK INFRASTRUCTURE - GRID 3

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-205	D

File: T:\1100 Douglas Shire Council LGIP\Drawings\SEWERAGE(D)\ 1100-202 to 208(D) EXISTING SEWERAGE.dwg
Printed: 20 March 2018, 5:30 PM

External References: TEC-TITLE-A3_a.dwg

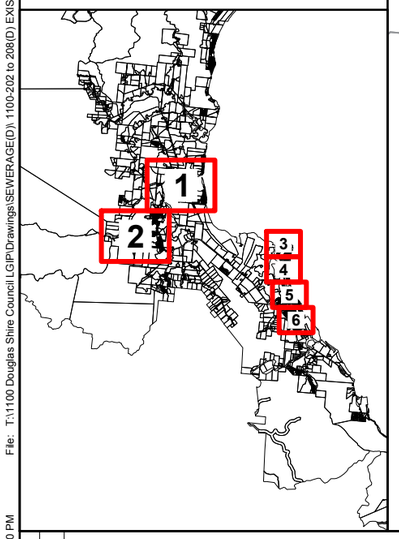
LEGEND

EXISTING SEWERAGE TRUNK INFRASTRUCTURE

- EFFLUENT RISING MAIN
- GRAVITY MAIN
- RISING MAIN
- PUMP STATION
- WASTEWATER TREATMENT PLANT

N

KEY MAP



PORT DOUGLAS (S1)

RME050
RME046
RME048
RME049
STPE002
RME051
RME001
EME005
RME052
STPE001
EME004
RME054
RME053
EME020
RME015
RME074
GME005
SPSE032
SPSE026
EME018
EME006
RME016
EME009
EME008
RME075
SPSE034
EME019
RME076
SPSE033
SPSE035
RME013
EME007
RME077
RME072
RME073
RME055
SPSE036
EME010
RME056

PORT DOUGLAS

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Revisions					
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

GRID: 4

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Scale (A3 size)	Client
1:7500	DOUGLAS SHIRE COUNCIL
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	Title: EXISTING SEWERAGE TRUNK INFRASTRUCTURE - GRID 4

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-206	D

Printed: 20 March 2018, 5:30 PM File: T:\1100 Douglas Shire Council LGIP\Drawings\SEWERAGE(D)\ 1100-202 to 208(D) EXISTING SEWERAGE.dwg

External References: TEC-TITLE-A3_a.dwg

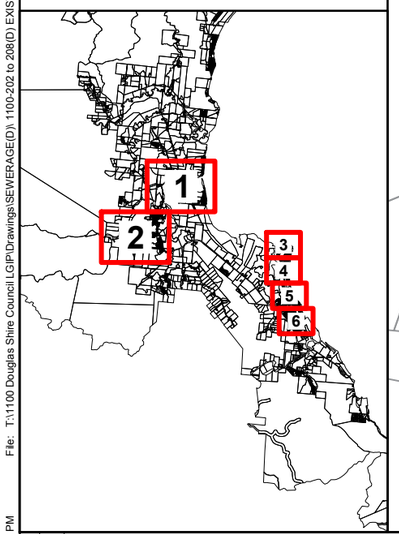
LEGEND

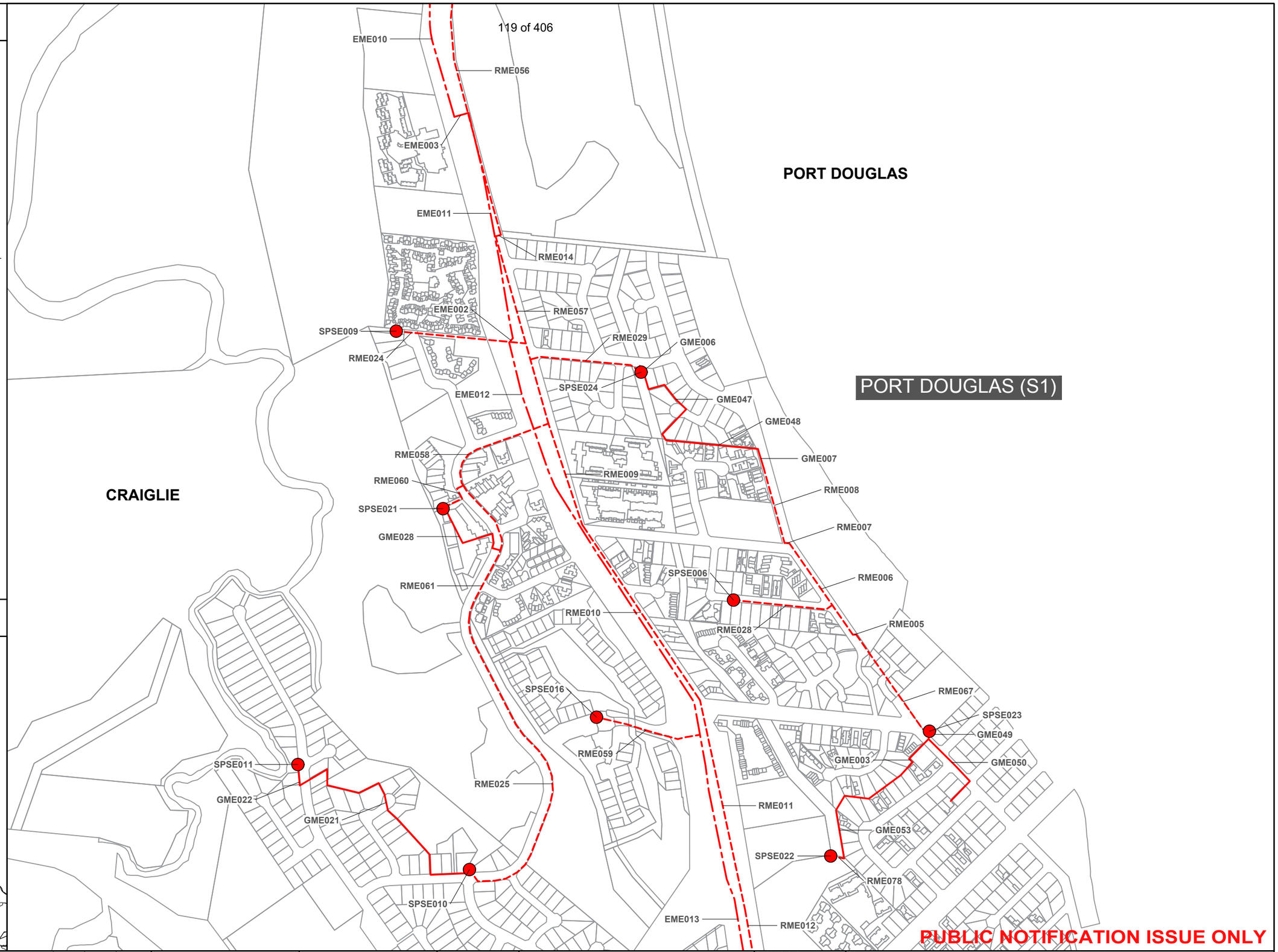
EXISTING SEWERAGE TRUNK INFRASTRUCTURE

- EFFLUENT RISING MAIN
- GRAVITY MAIN
- RISING MAIN
- PUMP STATION
- WASTEWATER TREATMENT PLANT

N

KEY MAP





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No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

Revisions

GRID: 5

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Scale (A3 size)	Client
1:7500	DOUGLAS SHIRE COUNCIL
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	Title: EXISTING SEWERAGE TRUNK INFRASTRUCTURE - GRID 5

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-207	D

Printed: 20 March 2018, 5:30 PM
File: T:\1100 Douglas Shire Council LGIP\Drawings\SEWERAGE(D)\ 1100-202 to 208(D) EXISTING SEWERAGE.dwg
External References: TEC-TITLE-A3_a.dwg

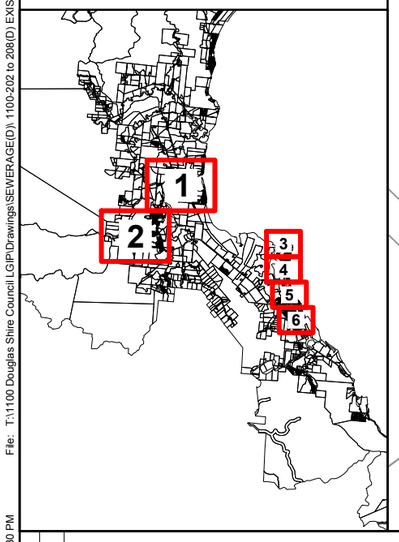
LEGEND

EXISTING SEWERAGE TRUNK INFRASTRUCTURE

- EFFLUENT RISING MAIN
- GRAVITY MAIN
- RISING MAIN
- PUMP STATION
- WASTEWATER TREATMENT PLANT

N

KEY MAP



EME013
RME012
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RME030
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RME027
GME023
SPSE030

PORT DOUGLAS

PORT DOUGLAS (S1)

PUBLIC NOTIFICATION ISSUE ONLY

Revisions					
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

GRID: 6

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Scale (A3 size)	Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
1:7500	IM	RR	RR	RR	R RANKINE		20/03/18	1100-208	D

Drawing is not to be used for construction unless approved.

Client: DOUGLAS SHIRE COUNCIL
Project: 1100 DOUGLAS SHIRE COUNCIL LGIP
Title: EXISTING SEWERAGE TRUNK INFRASTRUCTURE - GRID 6

File: T:\1100 Douglas Shire Council LGIP\Drawings\SEWERAGE(D)\ 1100-202 to 208(D) EXISTING SEWERAGE.dwg
Printed: 20 March 2018, 5:30 PM
External References: TEC-TITLE-A3_a.dwg

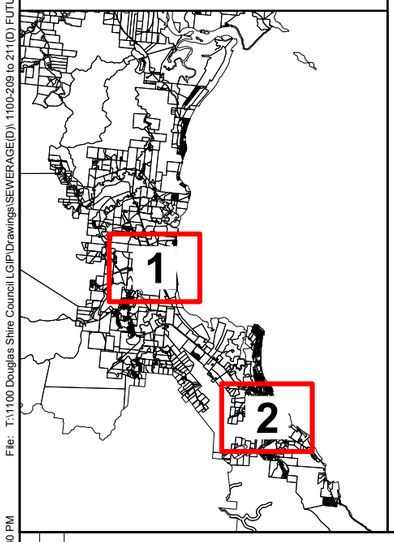
LEGEND

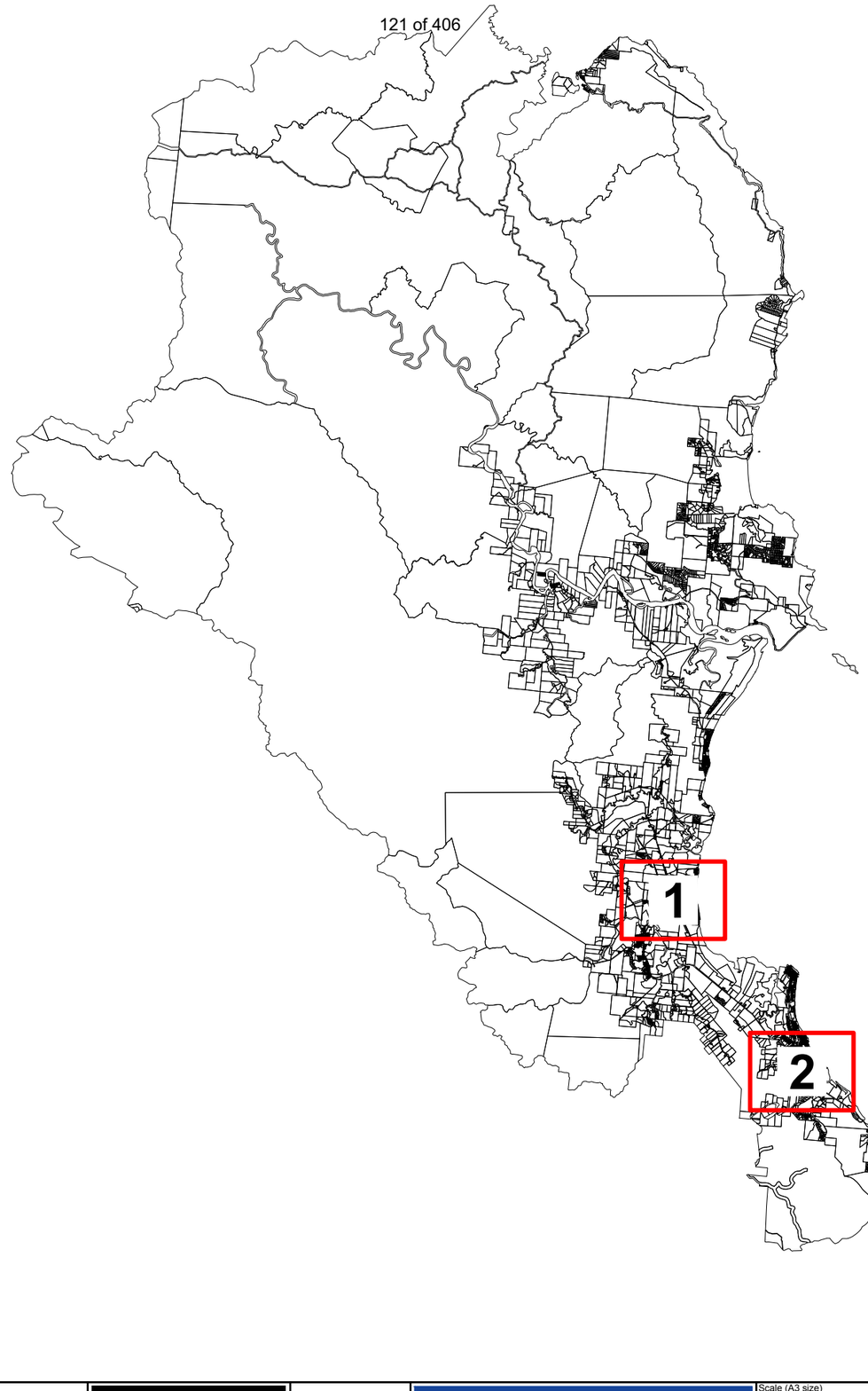
FUTURE SEWERAGE TRUNK INFRASTRUCTURE

- RISING MAINS
- RISING MAINS (TRUNK)
- EFFLUENT RISING MAINS
- EFFLUENT RISING MAINS (TRUNK)
- PUMP STATION
- WASTEWATER TREATMENT PLANT
- STORAGE FACILITY

N

KEY MAP





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File: T:\1100 Douglas Shire Council LGIP\Drawings\SEWERAGE(D)\ 1100-209 to 211(D) FUTURE SEWERAGE.dwg

Revisions				
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

External References: TEC-TITLE-A3_a.dwg

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Scale (A3 size)	Client
NOT TO SCALE	DOUGLAS SHIRE COUNCIL
Drawing is not to be used for construction unless approved.	Project: 1100 DOUGLAS SHIRE COUNCIL LGIP
	Title: FUTURE SEWERAGE TRUNK INFRASTRUCTURE KEY MAP

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-209	D

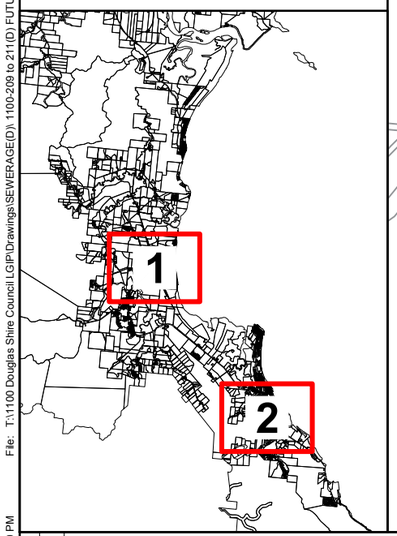
LEGEND

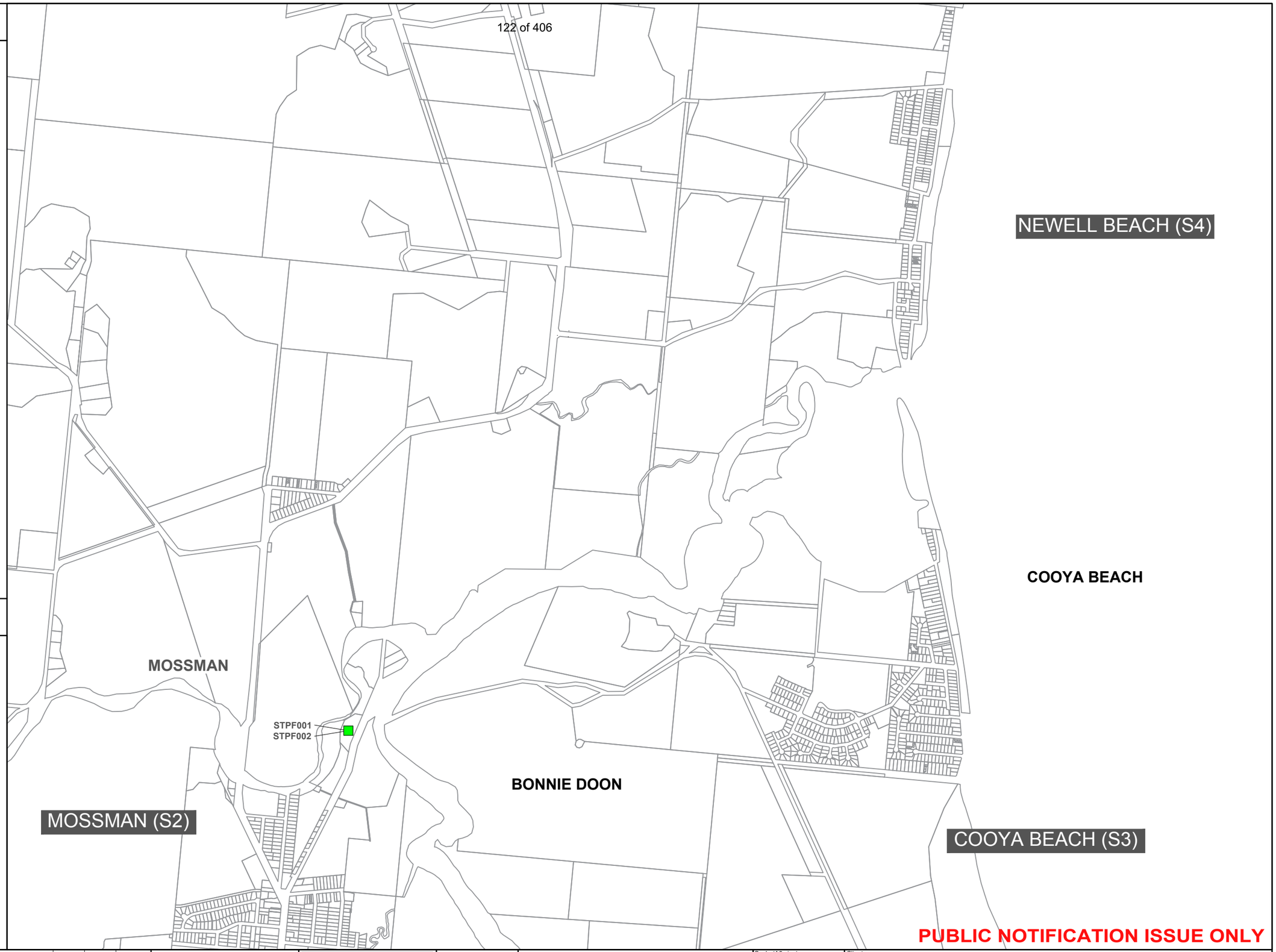
FUTURE SEWERAGE TRUNK INFRASTRUCTURE

- RISING MAINS
- RISING MAINS (TRUNK)
- EFFLUENT RISING MAINS
- EFFLUENT RISING MAINS (TRUNK)
- PUMP STATION
- WASTEWATER TREATMENT PLANT
- STORAGE FACILITY

N

KEY MAP





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Revisions				
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

GRID: 1

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Scale (A3 size)	Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
1:20000	IM	RR	RR	RR	R RANKINE		20/03/18	1100-210	D

Drawing is not to be used for construction unless approved.

Client: DOUGLAS SHIRE COUNCIL
Project: 1100 DOUGLAS SHIRE COUNCIL LGIP
Title: FUTURE SEWERAGE TRUNK INFRASTRUCTURE - GRID 1

Printed: 20 March 2018, 5:30 PM
File: T:\1100 Douglas Shire Council LGIP\Drawings\SEWERAGE(D)\ 1100-209 to 211(D) FUTURE SEWERAGE.dwg
External References: TEC-TITLE-A3_a.dwg

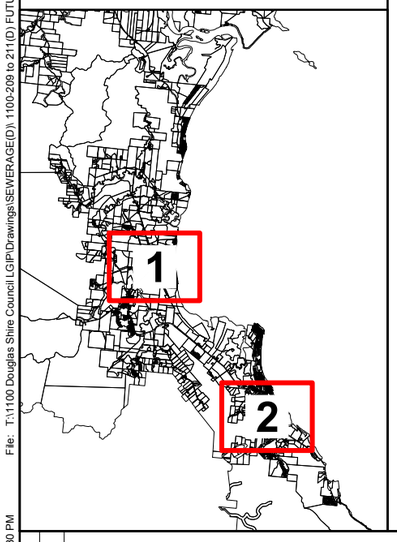
LEGEND

FUTURE SEWERAGE TRUNK INFRASTRUCTURE

- RISING MAINS
- RISING MAINS (TRUNK)
- EFFLUENT RISING MAINS
- EFFLUENT RISING MAINS (TRUNK)
- PUMP STATION
- WASTEWATER TREATMENT PLANT
- STORAGE FACILITY

N

KEY MAP



PORT DOUGLAS

PORT DOUGLAS (S1)

RMF068

SPSF001

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Revisions					
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

GRID: 2

DOUGLAS SHIRE COUNCIL

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Scale (A3 size) 1:20000

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Client: DOUGLAS SHIRE COUNCIL

Project: 1100 DOUGLAS SHIRE COUNCIL LGIP

Title: FUTURE SEWERAGE TRUNK INFRASTRUCTURE - GRID 2

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-211	D

Printed: 20 March 2018, 5:30 PM File: T:\1100 Douglas Shire Council LGIP\Drawings\SEWERAGE(D)\ 1100-209 to 211(D) FUTURE SEWERAGE.dwg

External References: TEC-TITLE-A3_a.dwg

LOCAL GOVERNMENT INFRASTRUCTURE PLANS
TRANSPORT (ROAD) TRUNK INFRASTRUCTURE

for

DOUGLAS SHIRE COUNCIL

SCHEDULE OF PROJECT DRAWINGS

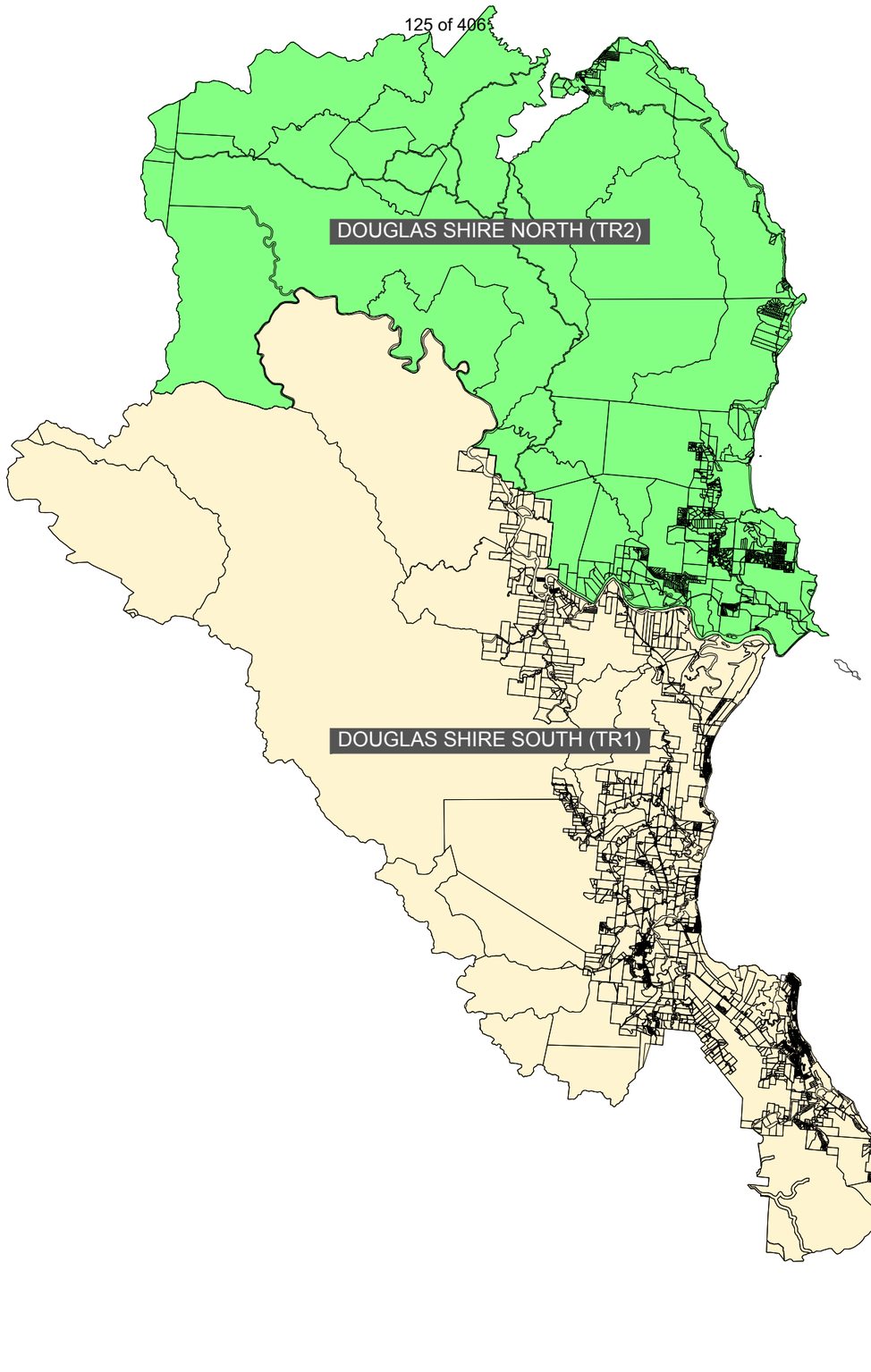
PUBLIC NOTIFICATION ISSUE ONLY

LEGEND

TRANSPORT (ROADS) CATCHMENT AREAS

- DOUGLAS SHIRE SOUTH (TR1)
- DOUGLAS SHIRE NORTH (TR2)

N



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No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

Revisions

DOUGLAS SHIRE COUNCIL
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Client	DOUGLAS SHIRE COUNCIL
Project	1100 DOUGLAS SHIRE COUNCIL LGIP
Title	TRANSPORT (ROAD) INFRASTRUCTURE CATCHMENT AREAS

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-301	E

Printed: 20 March 2018, 4:23 PM
File: T:\1100 Douglas Shire Council LGIP\Drawings\TRANSPORT(E)\ 1100-301(E) TRANSPORT CATCHMENTS.dwg

External References: TEC-TITLE-A3_a.dwg

LEGEND

EXISTING TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

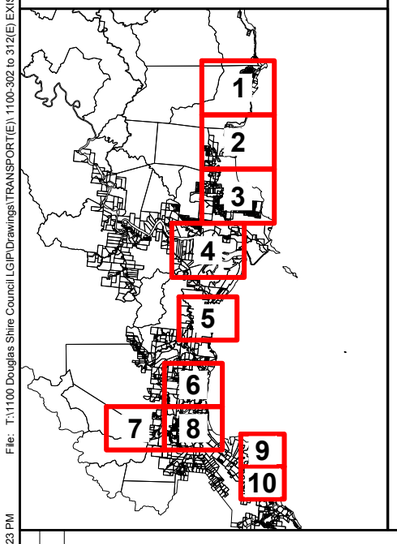
- HIGHWAY (SCR)
- SUB ARTERIAL (SCR)
- URBAN MAJOR COLLECTOR
- RURAL MAJOR COLLECTOR
- URBAN MINOR COLLECTOR
- RURAL MINOR COLLECTOR
- ACCESS STREET

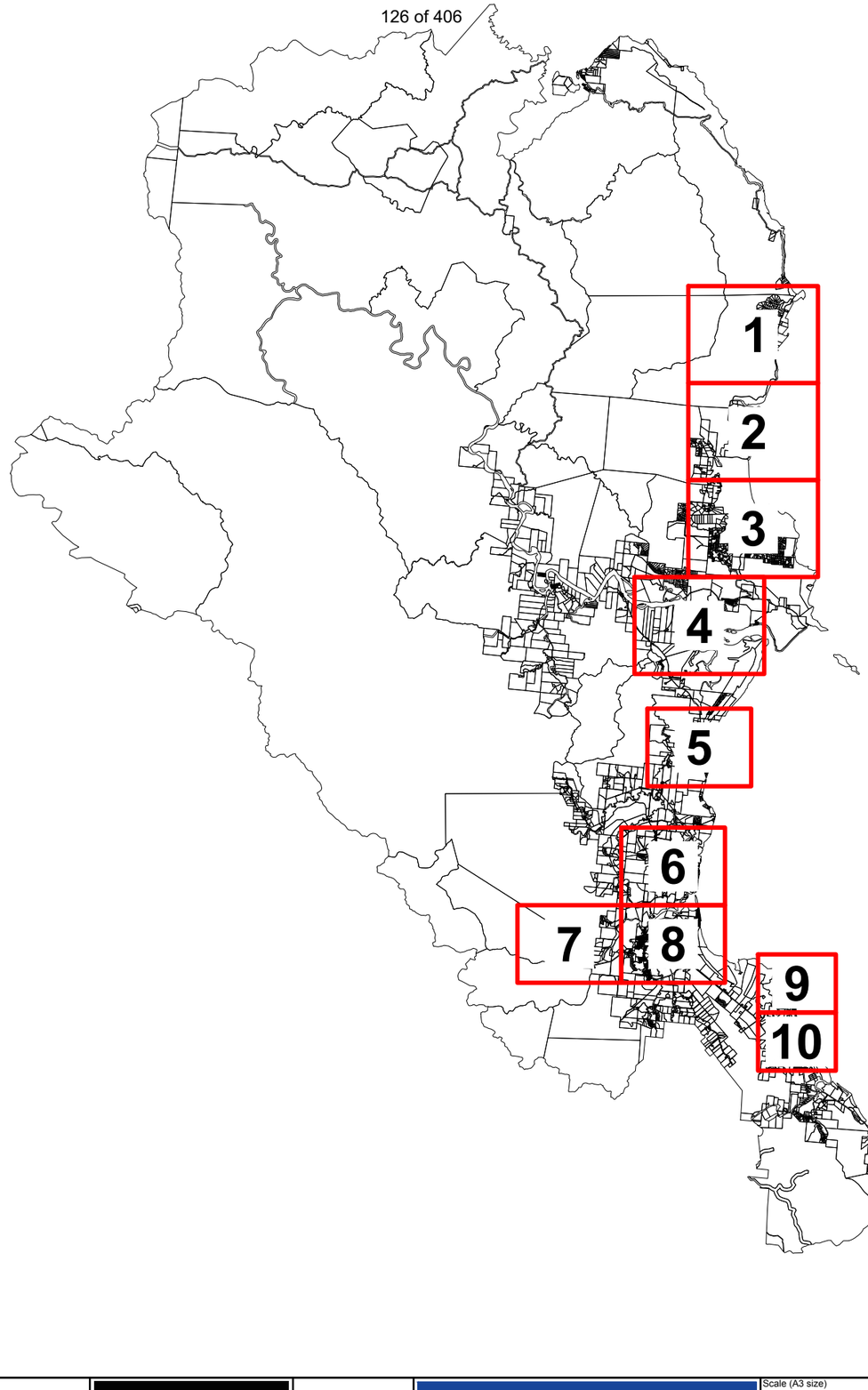
EXISTING INTERSECTIONS AND STRUCTURES

- BRIDGE (SCR)
- CULVERT (SCR)
- ROUNDABOUT (SCR)
- BRIDGE
- CULVERT
- FERRY LANDING
- ROUNDABOUT

N

KEY MAP





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Revisions				
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Scale (A3 size)	NOT TO SCALE
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Client	DOUGLAS SHIRE COUNCIL
Project	1100 DOUGLAS SHIRE COUNCIL LGIP
Title	EXISTING TRANSPORT TRUNK INFRASTRUCTURE KEY MAP

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-302	E

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File: T:\1100 Douglas Shire Council LGIP\Drawings\TRANSPORT(E)\1100-302 to 312(E) EXISTING TRANSPORT.dwg

External References: TEC-TITLE-A3_a.dwg

LEGEND

EXISTING TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

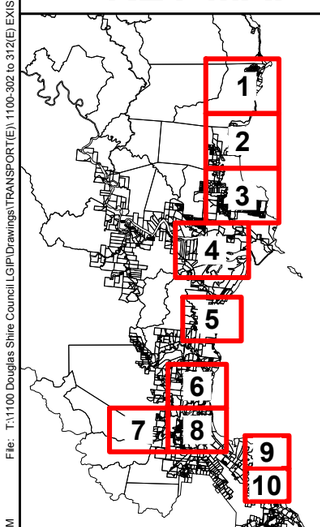
- HIGHWAY (SCR)
- SUB ARTERIAL (SCR)
- URBAN MAJOR COLLECTOR
- RURAL MAJOR COLLECTOR
- URBAN MINOR COLLECTOR
- RURAL MINOR COLLECTOR
- ACCESS STREET

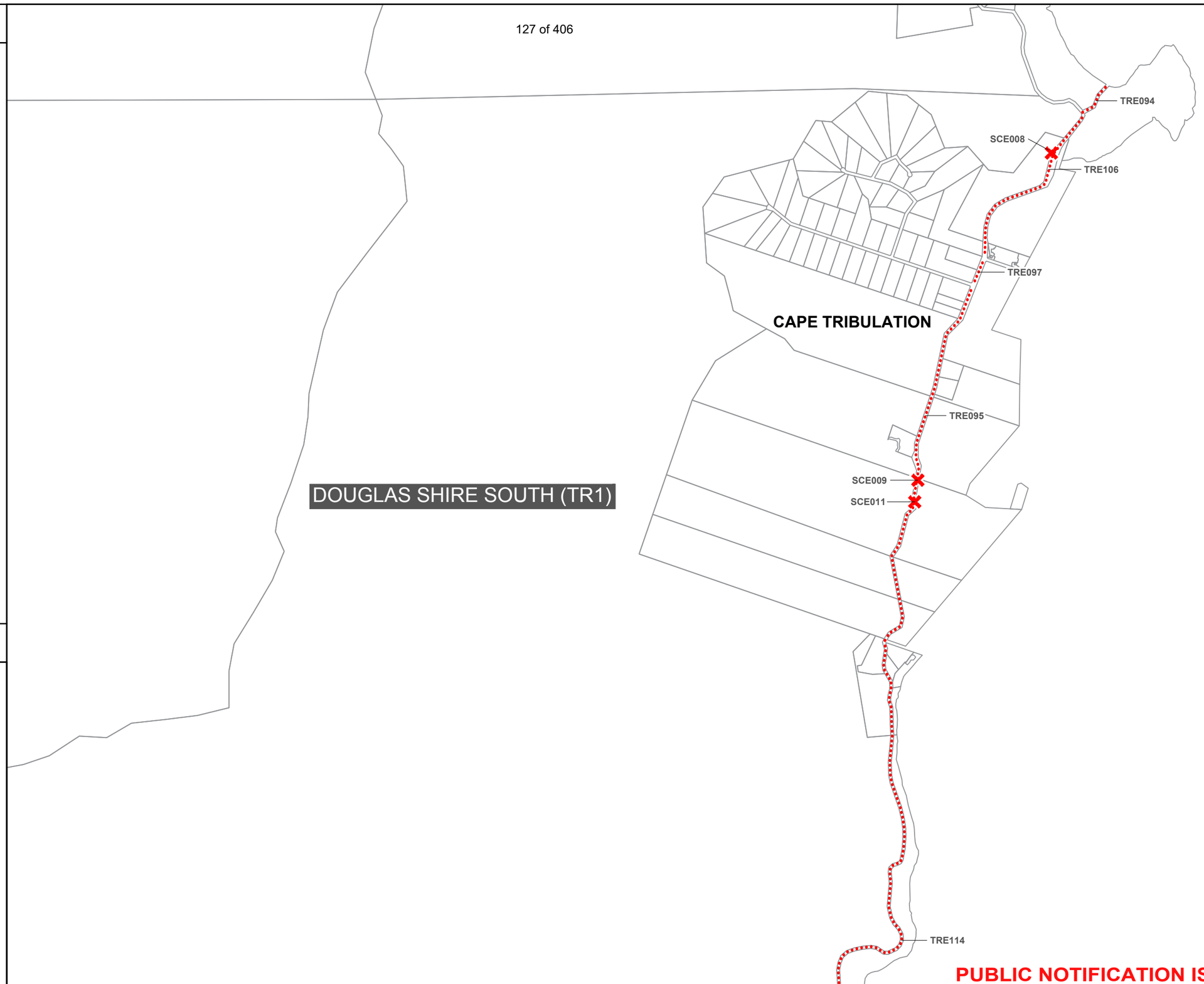
EXISTING INTERSECTIONS AND STRUCTURES

- BRIDGE (SCR)
- CULVERT (SCR)
- ROUNDABOUT (SCR)
- BRIDGE
- CULVERT
- FERRY LANDING
- ROUNDABOUT

N

KEY MAP





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No.	Description	Reviewed	Approved	Date
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Revisions

GRID: 1

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Client	DOUGLAS SHIRE COUNCIL
Project	1100 DOUGLAS SHIRE COUNCIL LGIP
Title	EXISTING TRANSPORT TRUNK INFRASTRUCTURE - GRID 1

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-303	E

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File: T:\1100 Douglas Shire Council LGIP\Drawings\TRANSPORT(E)\ 1100-302 to 312(E) EXISTING TRANSPORT.dwg

External References: TEC-TITLE-A3_a.dwg

LEGEND

EXISTING TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

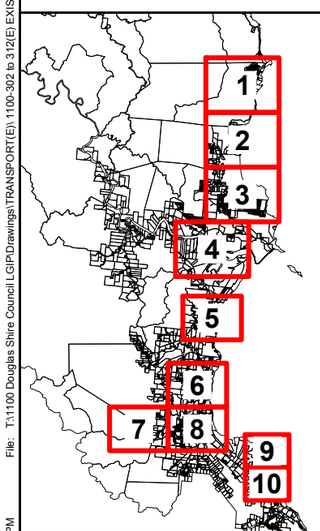
- HIGHWAY (SCR)
- SUB ARTERIAL (SCR)
- URBAN MAJOR COLLECTOR
- RURAL MAJOR COLLECTOR
- URBAN MINOR COLLECTOR
- RURAL MINOR COLLECTOR
- ACCESS STREET

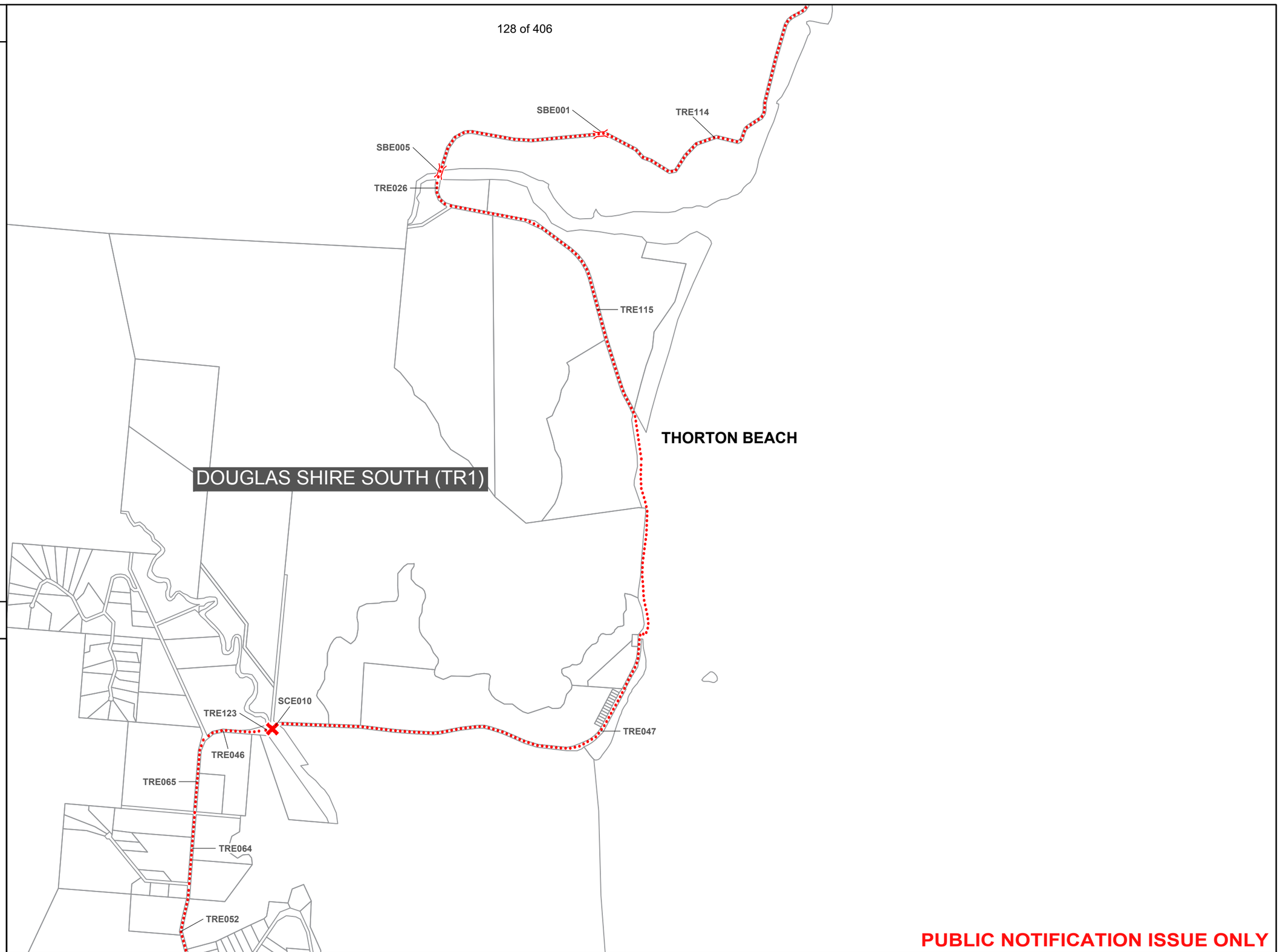
EXISTING INTERSECTIONS AND STRUCTURES

- BRIDGE (SCR)
- CULVERT (SCR)
- ROUNDABOUT (SCR)
- BRIDGE
- CULVERT
- FERRY LANDING
- ROUNDABOUT

N

KEY MAP





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Revisions				
No.	Description	Reviewed	Approved	Date
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GRID: 2

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Scale (A3 size)	1:25000
	Drawing is not to be used for construction unless approved.
Client	DOUGLAS SHIRE COUNCIL
Project	1100 DOUGLAS SHIRE COUNCIL LGIP
Title	EXISTING TRANSPORT TRUNK INFRASTRUCTURE - GRID 2

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-304	E

Printed: 20 March 2018, 4:23 PM
File: T:\1100 Douglas Shire Council LGIP\Drawings\TRANSPORT\E\1100-302 to 312(E) EXISTING TRANSPORT.dwg

External References: TEC-TITLE-A3_a.dwg

LEGEND

EXISTING TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

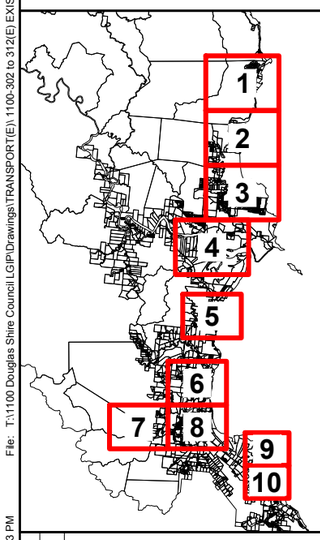
- HIGHWAY (SCR)
- SUB ARTERIAL (SCR)
- URBAN MAJOR COLLECTOR
- RURAL MAJOR COLLECTOR
- URBAN MINOR COLLECTOR
- RURAL MINOR COLLECTOR
- ACCESS STREET

EXISTING INTERSECTIONS AND STRUCTURES

- BRIDGE (SCR)
- CULVERT (SCR)
- ROUNDABOUT (SCR)
- BRIDGE
- CULVERT
- FERRY LANDING
- ROUNDABOUT

N

KEY MAP



DIWAN

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SCE003
TRE140
TRE139
TRE049
SCE004
TRE059
TRE058
TRE044
COW BAY
TRE093
TRE021
SCE005
TRE020
TRE072
TRE081
TRE127
TRE129
TRE128
TRE131

DOUGLAS SHIRE SOUTH (TR1)

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Revisions					
No.	Description		Reviewed	Approved	Date
A	ISSUED FOR REVIEW				

GRID: 3

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Scale (A3 size)	1:25000
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Client	DOUGLAS SHIRE COUNCIL
Project	1100 DOUGLAS SHIRE COUNCIL LGIP
Title	EXISTING TRANSPORT TRUNK INFRASTRUCTURE - GRID 3

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-305	E

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External References: TEC-TITLE-A3_a.dwg

LEGEND

EXISTING TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

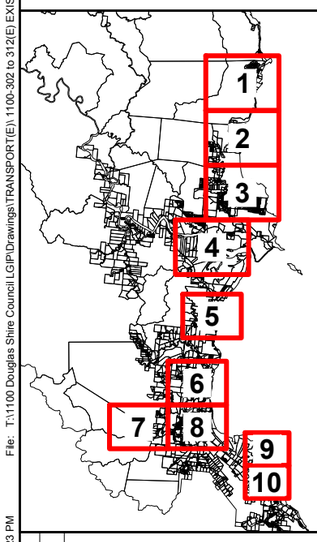
- HIGHWAY (SCR)
- SUB ARTERIAL (SCR)
- URBAN MAJOR COLLECTOR
- RURAL MAJOR COLLECTOR
- URBAN MINOR COLLECTOR
- RURAL MINOR COLLECTOR
- ACCESS STREET

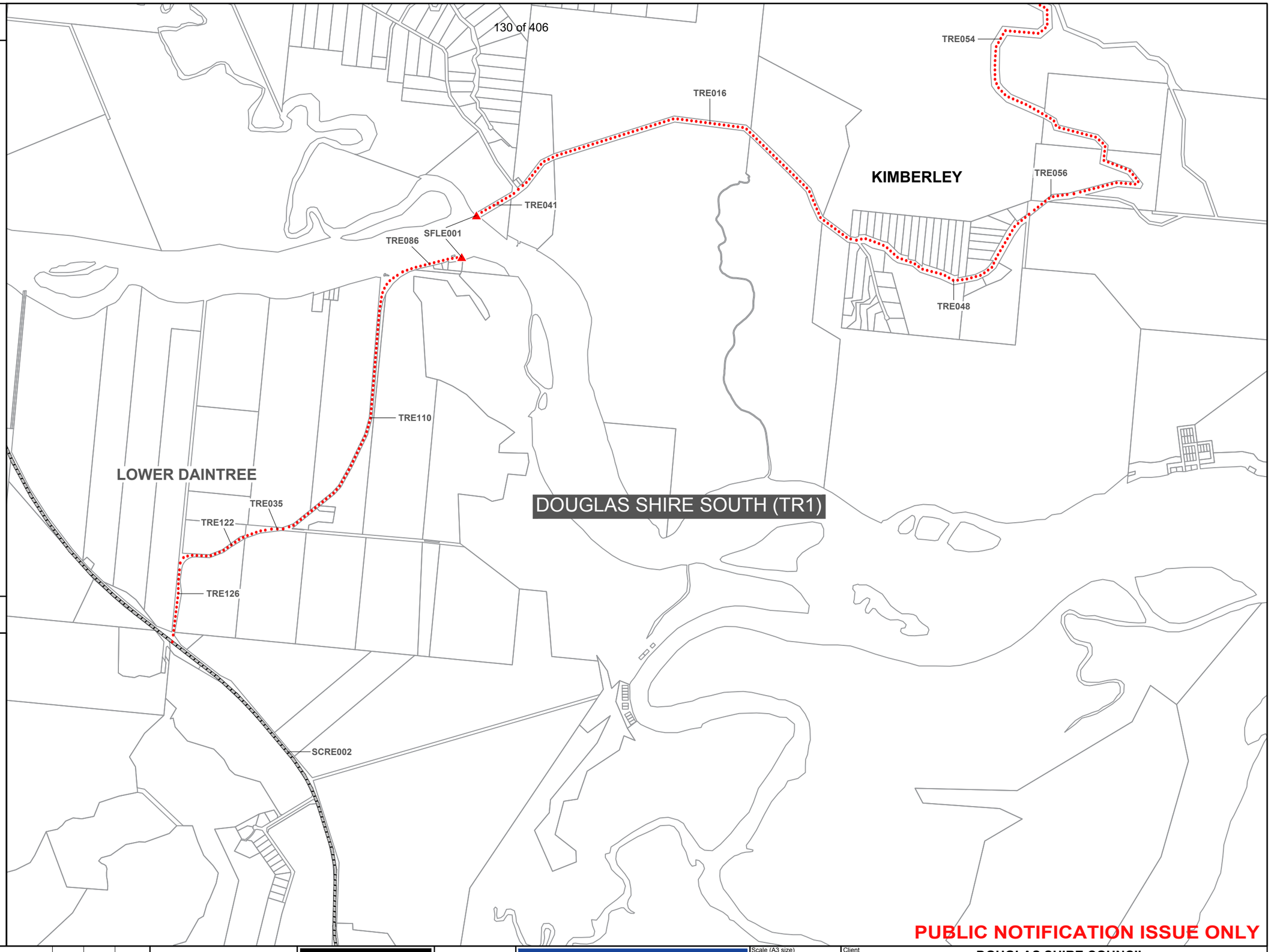
EXISTING INTERSECTIONS AND STRUCTURES

- BRIDGE (SCR)
- CULVERT (SCR)
- ROUNDABOUT (SCR)
- BRIDGE
- CULVERT
- FERRY LANDING
- ROUNDABOUT

N

KEY MAP





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No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

Revisions

GRID: 4

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Scale (A3 size)	1:25000
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Client	DOUGLAS SHIRE COUNCIL
Project	1100 DOUGLAS SHIRE COUNCIL LGIP
Title	EXISTING TRANSPORT TRUNK INFRASTRUCTURE - GRID 4

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-306	E

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External References: TEC-TITLE-A3_a.dwg

LEGEND

EXISTING TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

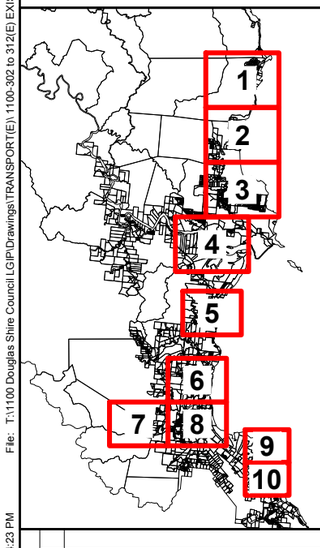
- HIGHWAY (SCR)
- SUB ARTERIAL (SCR)
- URBAN MAJOR COLLECTOR
- RURAL MAJOR COLLECTOR
- URBAN MINOR COLLECTOR
- RURAL MINOR COLLECTOR
- ACCESS STREET

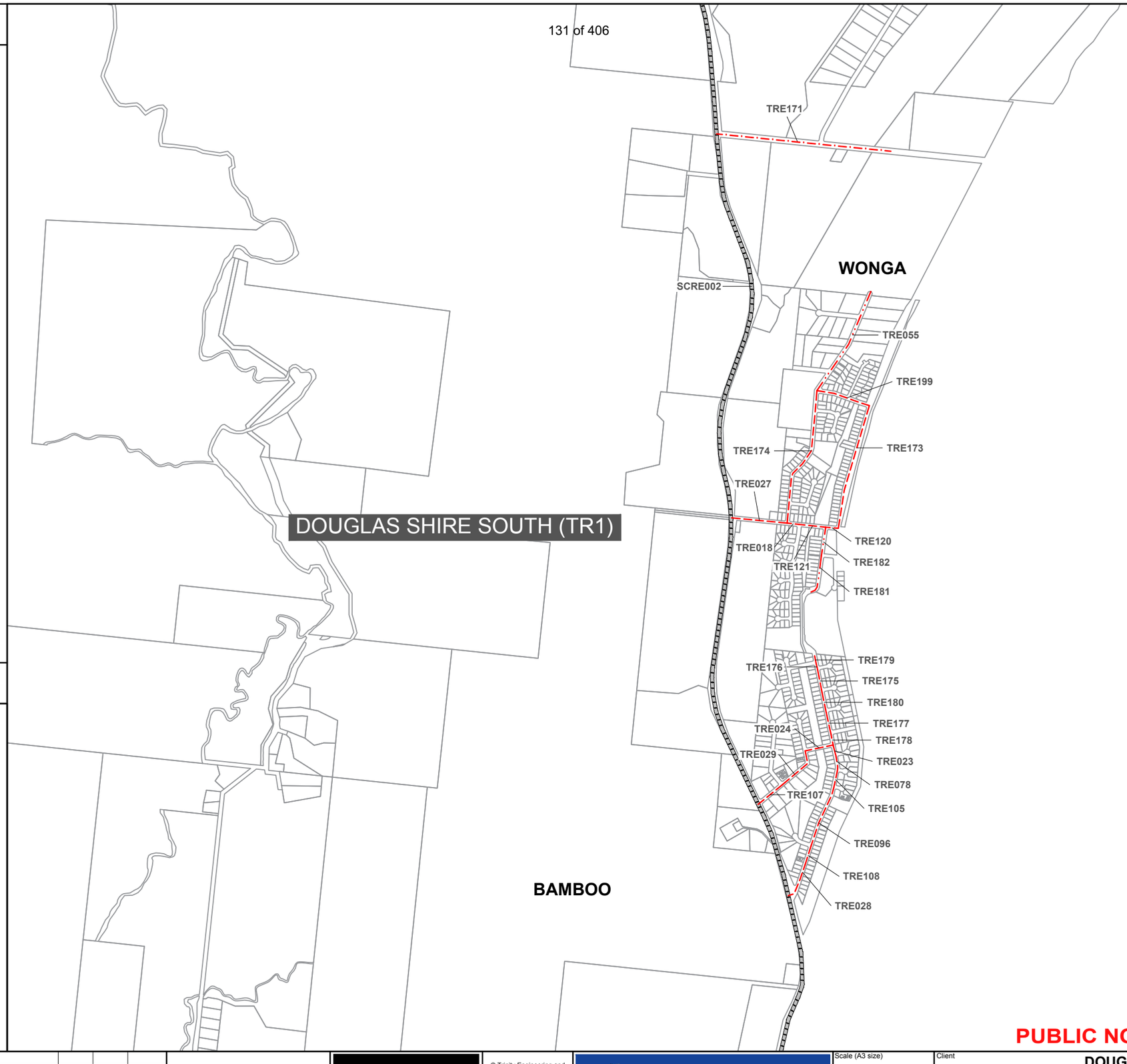
EXISTING INTERSECTIONS AND STRUCTURES

- BRIDGE (SCR)
- CULVERT (SCR)
- ROUNDABOUT (SCR)
- BRIDGE
- CULVERT
- FERRY LANDING
- ROUNDABOUT

N

KEY MAP





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No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

Revisions

GRID: 5

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Client	DOUGLAS SHIRE COUNCIL
Project	1100 DOUGLAS SHIRE COUNCIL LGIP
Title	EXISTING TRANSPORT TRUNK INFRASTRUCTURE - GRID 5

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-307	E

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External References: TEC-TITLE-A3_a.dwg

LEGEND

EXISTING TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

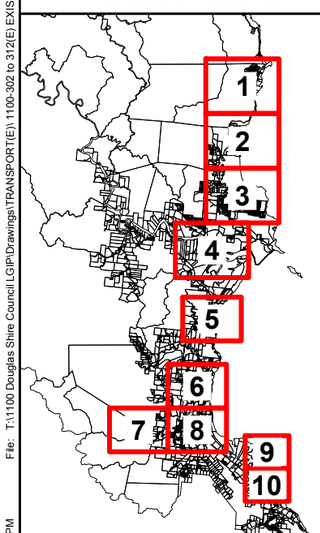
- HIGHWAY (SCR)
- SUB ARTERIAL (SCR)
- URBAN MAJOR COLLECTOR
- RURAL MAJOR COLLECTOR
- URBAN MINOR COLLECTOR
- RURAL MINOR COLLECTOR
- ACCESS STREET

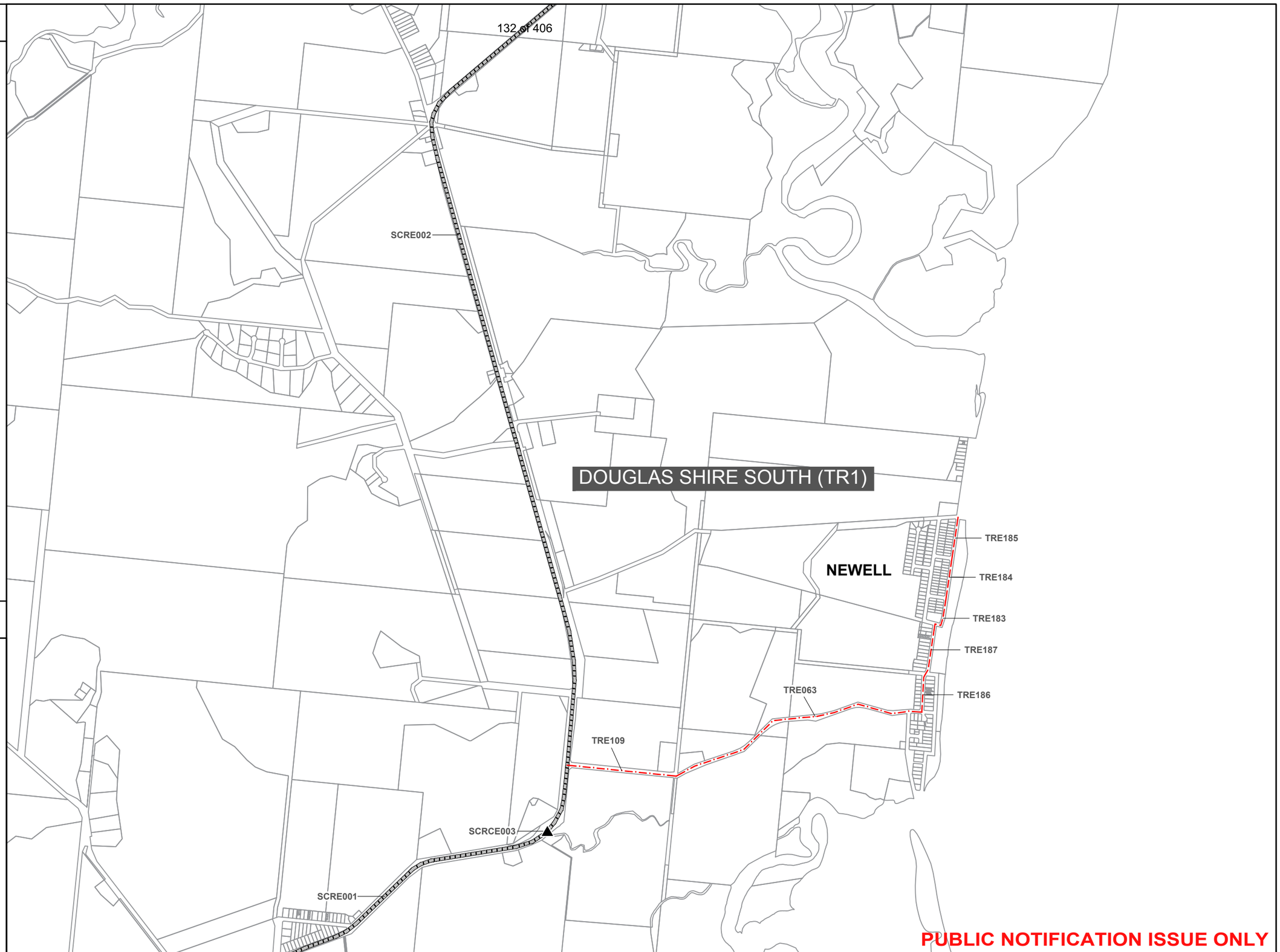
EXISTING INTERSECTIONS AND STRUCTURES

- BRIDGE (SCR)
- CULVERT (SCR)
- ROUNDABOUT (SCR)
- BRIDGE
- CULVERT
- FERRY LANDING
- ROUNDABOUT

N

KEY MAP





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Revisions					
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A	ISSUED FOR REVIEW			

GRID: 6

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Scale (A3 size)	1:20000
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Client	DOUGLAS SHIRE COUNCIL
Project	1100 DOUGLAS SHIRE COUNCIL LGIP
Title	EXISTING TRANSPORT TRUNK INFRASTRUCTURE - GRID 6

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-308	E

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External References: TEC-TITLE-A3_a.dwg

LEGEND

EXISTING TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

- HIGHWAY (SCR)
- SUB ARTERIAL (SCR)
- URBAN MAJOR COLLECTOR
- RURAL MAJOR COLLECTOR
- URBAN MINOR COLLECTOR
- RURAL MINOR COLLECTOR
- ACCESS STREET

EXISTING INTERSECTIONS AND STRUCTURES

- BRIDGE (SCR)
- CULVERT (SCR)
- ROUNDABOUT (SCR)
- BRIDGE
- CULVERT
- FERRY LANDING
- ROUNDABOUT

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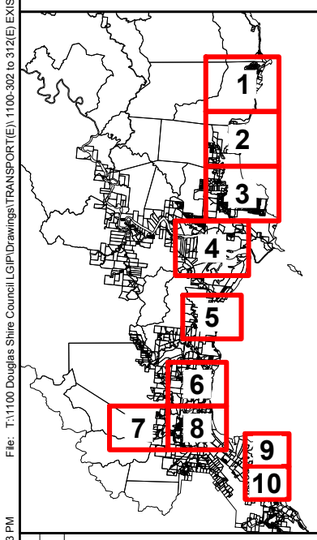
KEY MAP



DOUGLAS SHIRE SOUTH (TR1)

FINLAYVALE

TRE200

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No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

Revisions

GRID: 7

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Scale (A3 size)	1:20000
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Client	DOUGLAS SHIRE COUNCIL
Project	1100 DOUGLAS SHIRE COUNCIL LGIP
Title	EXISTING TRANSPORT TRUNK INFRASTRUCTURE - GRID 7

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-309	E

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External References: TEC-TITLE-A3_a.dwg

LEGEND

EXISTING TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

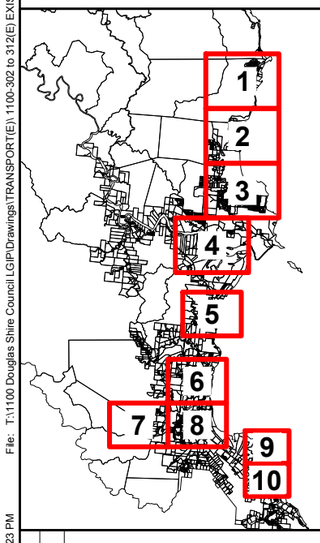
- HIGHWAY (SCR)
- SUB ARTERIAL (SCR)
- URBAN MAJOR COLLECTOR
- RURAL MAJOR COLLECTOR
- URBAN MINOR COLLECTOR
- RURAL MINOR COLLECTOR
- ACCESS STREET

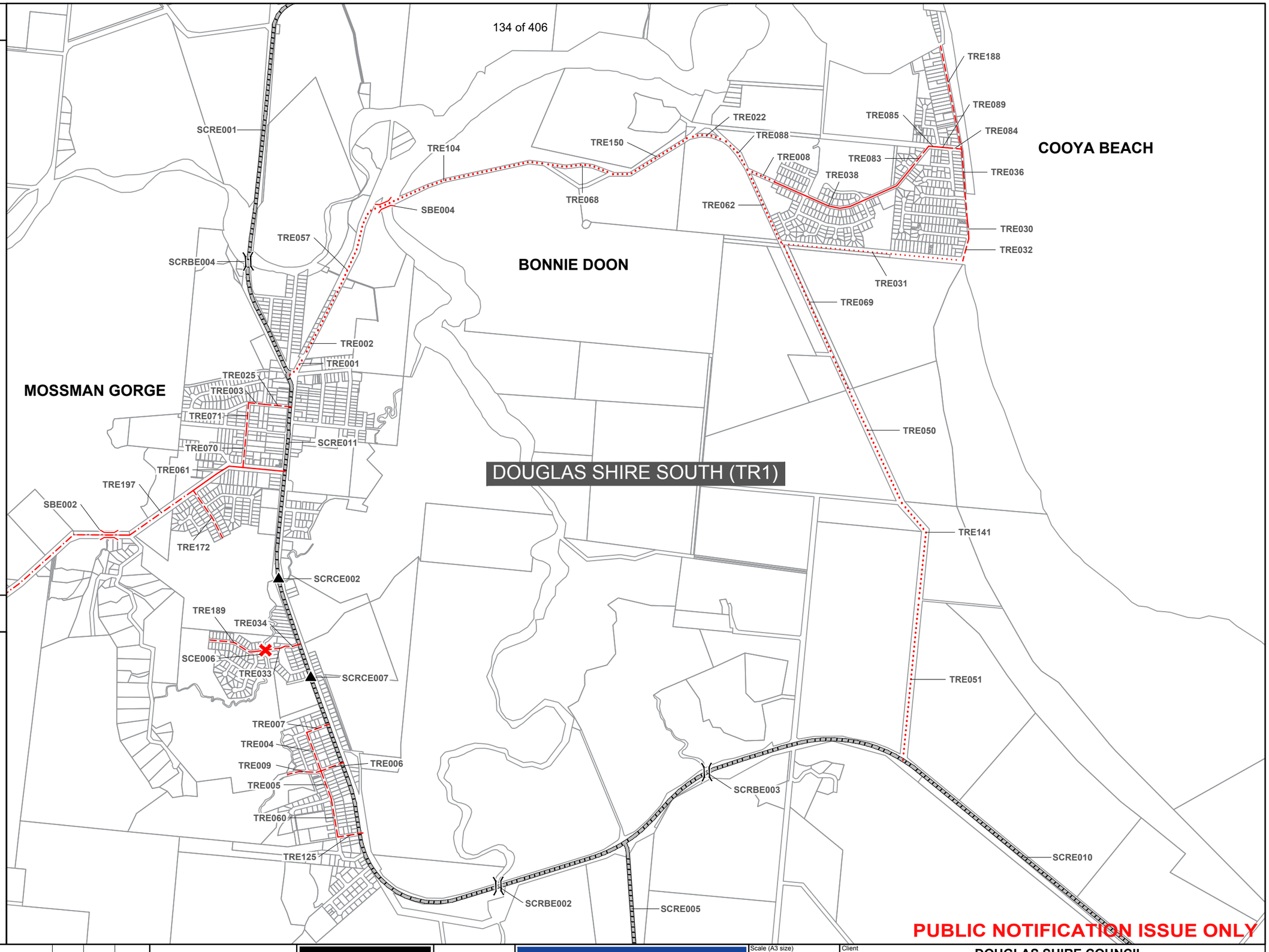
EXISTING INTERSECTIONS AND STRUCTURES

- BRIDGE (SCR)
- CULVERT (SCR)
- ROUNDABOUT (SCR)
- BRIDGE
- CULVERT
- FERRY LANDING
- ROUNDABOUT

N

KEY MAP





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No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

Revisions

GRID: 8

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Scale (A3 size)	1:20000
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Client	DOUGLAS SHIRE COUNCIL
Project	1100 DOUGLAS SHIRE COUNCIL LGIP
Title	EXISTING TRANSPORT TRUNK INFRASTRUCTURE - GRID 8

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-310	E

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File: T:\1100 Douglas Shire Council LGIP\Drawings\TRANSPORT(E)\1100-302 to 312(E) EXISTING TRANSPORT.dwg
External References: TEC-TITLE-A3_a.dwg

LEGEND

EXISTING TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

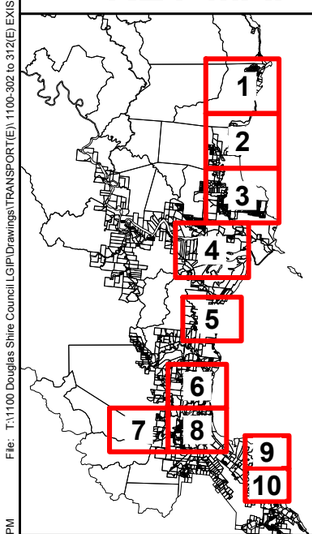
- HIGHWAY (SCR)
- SUB ARTERIAL (SCR)
- URBAN MAJOR COLLECTOR
- RURAL MAJOR COLLECTOR
- URBAN MINOR COLLECTOR
- RURAL MINOR COLLECTOR
- ACCESS STREET

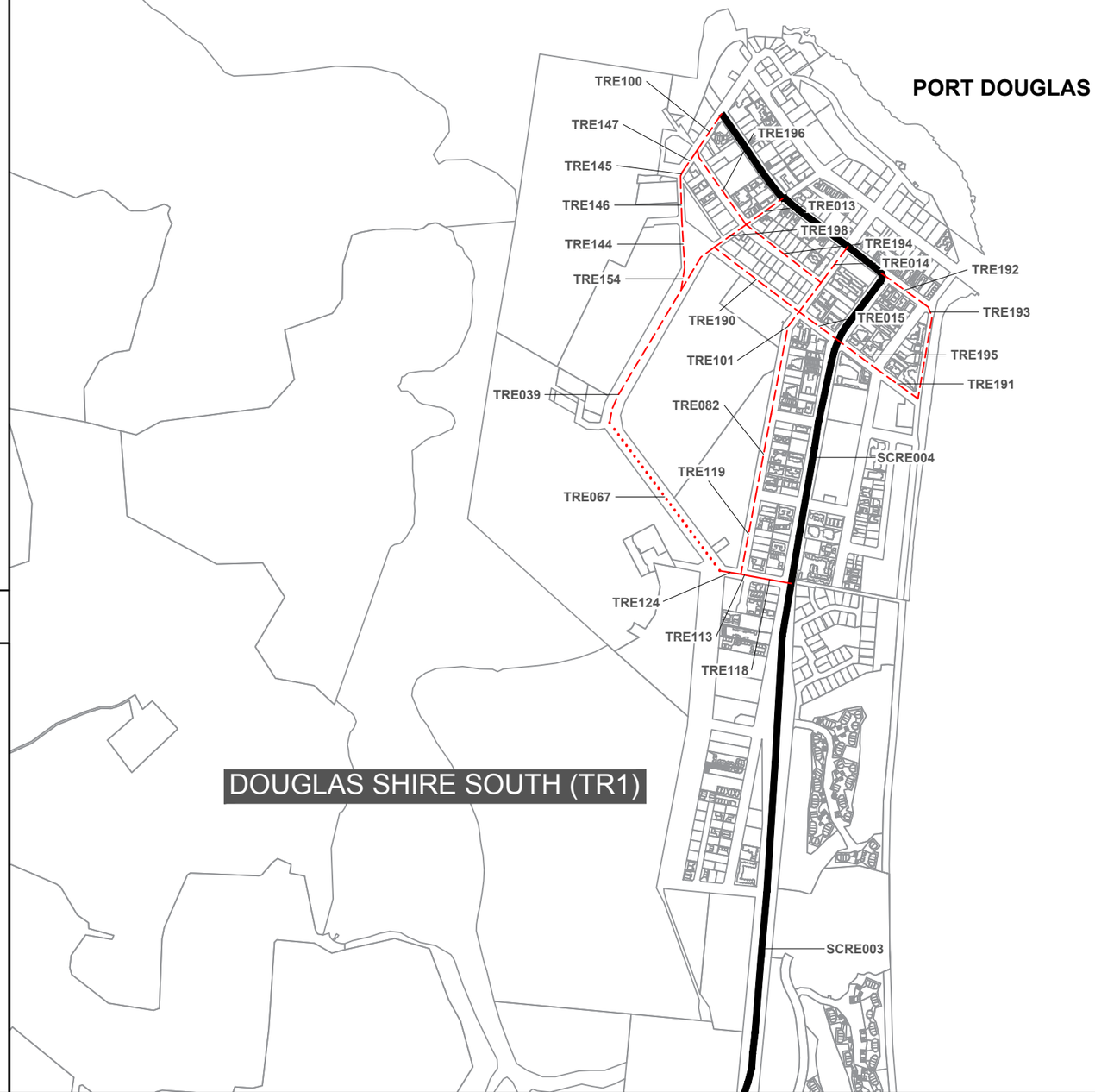
EXISTING INTERSECTIONS AND STRUCTURES

- BRIDGE (SCR)
- CULVERT (SCR)
- ROUNDABOUT (SCR)
- BRIDGE
- CULVERT
- FERRY LANDING
- ROUNDABOUT

N

KEY MAP





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A	ISSUED FOR REVIEW			

Revisions

GRID: 9

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Scale (A3 size)	Client
1:15000	DOUGLAS SHIRE COUNCIL
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	Title: EXISTING TRANSPORT TRUNK INFRASTRUCTURE - GRID 9

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-311	E

Printed: 20 March 2018, 4:23 PM
File: T:\1100 Douglas Shire Council LGIP\Drawings\TRANSPORT(E)\ 1100-302 to 312(E) EXISTING TRANSPORT.dwg
External References: TEC-TITLE-A3_a.dwg

LEGEND

EXISTING TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

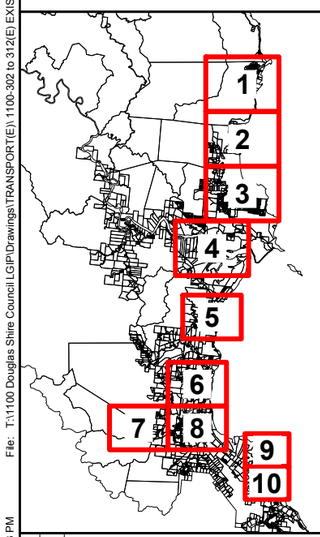
- HIGHWAY (SCR)
- SUB ARTERIAL (SCR)
- URBAN MAJOR COLLECTOR
- RURAL MAJOR COLLECTOR
- URBAN MINOR COLLECTOR
- RURAL MINOR COLLECTOR
- ACCESS STREET

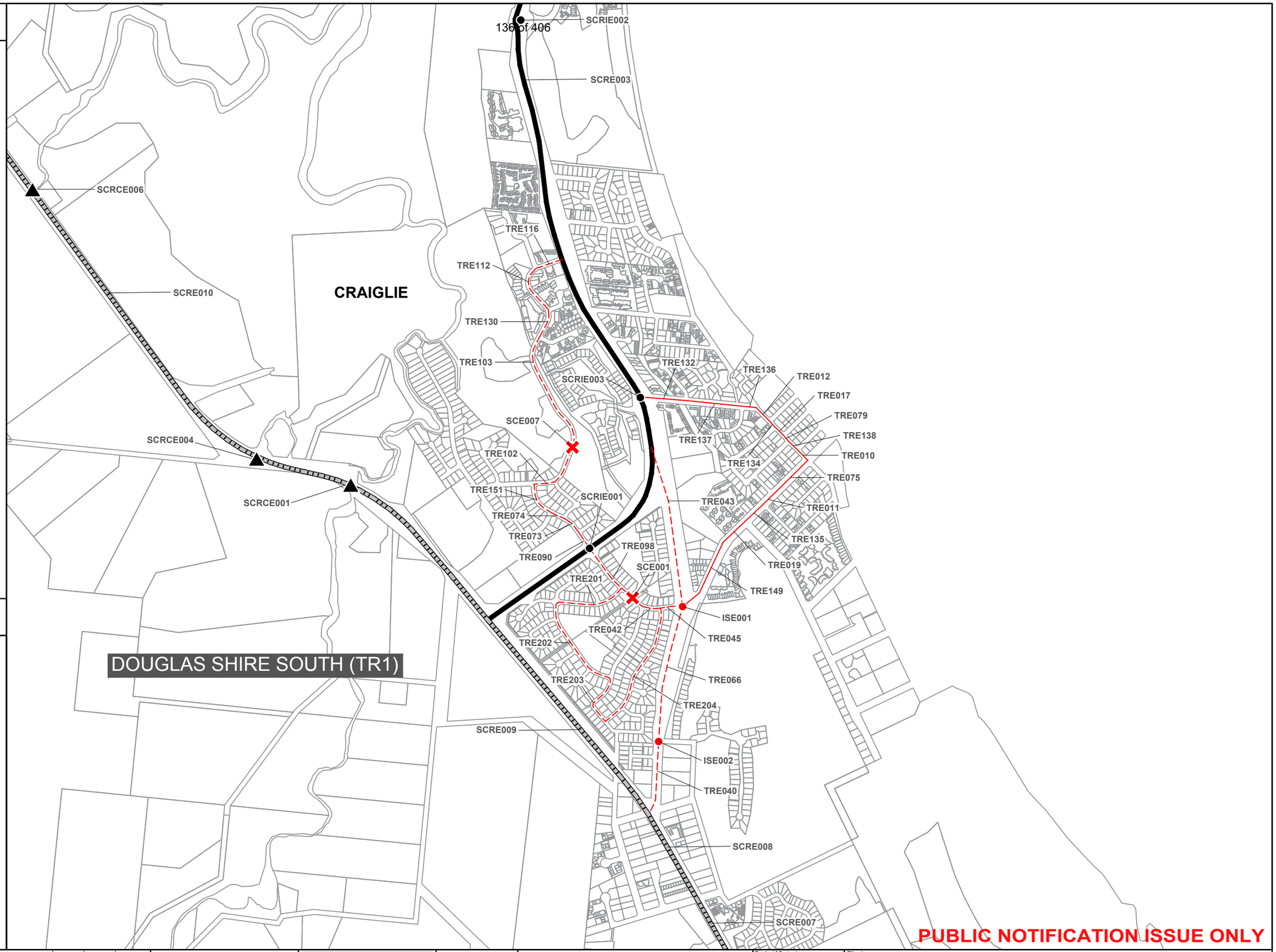
EXISTING INTERSECTIONS AND STRUCTURES

- BRIDGE (SCR)
- CULVERT (SCR)
- ROUNDABOUT (SCR)
- BRIDGE
- CULVERT
- FERRY LANDING
- ROUNDABOUT

N

KEY MAP





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Revisions				
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

GRID: 10

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Project	1100 DOUGLAS SHIRE COUNCIL LGIP
Title	EXISTING TRANSPORT TRUNK INFRASTRUCTURE - GRID 10

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-312	E

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External References: TEC-TITLE-A3_a.dwg

LEGEND

EXISTING TRANSPORT (SCR) TRUNK INFRASTRUCTURE

- HIGHWAY (SCR)
- SUB ARTERIAL (SCR)
- BRIDGE (SCR)
- CULVERT (SCR)
- ROUNDABOUT (SCR)

FUTURE TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

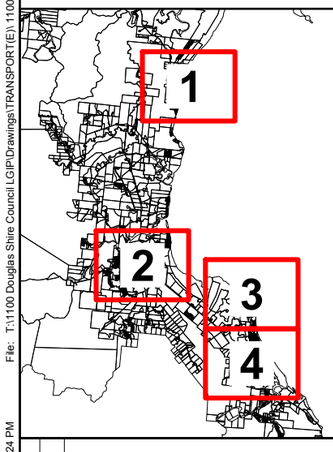
- SUB ARTERIAL
- URBAN MAJOR COLLECTOR
- RURAL MAJOR COLLECTOR
- URBAN MINOR COLLECTOR
- RURAL MINOR COLLECTOR
- DRAINAGE LINE
- ROAD UPGRADE
- AREAS UNDER INVESTIGATION

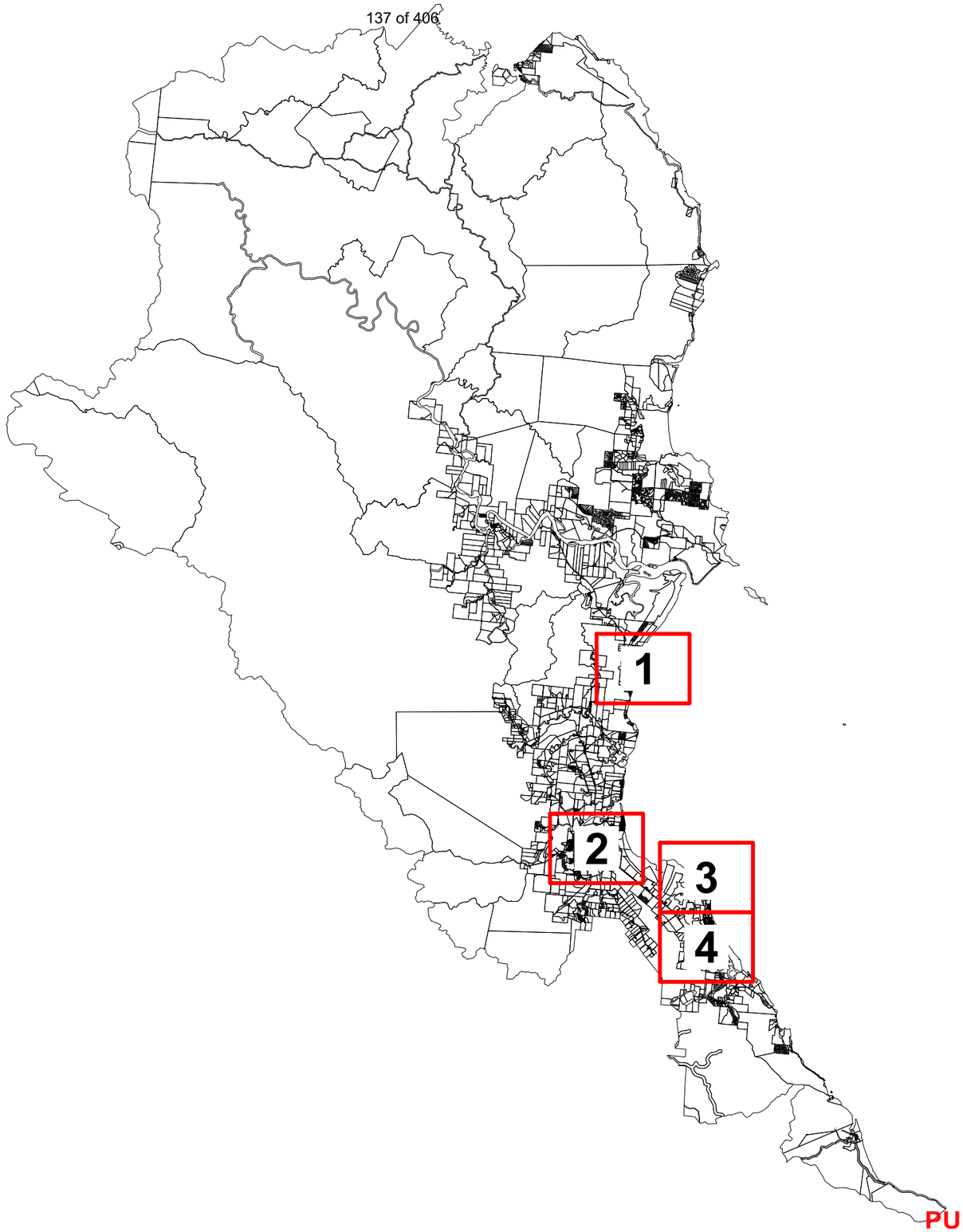
FUTURE INTERSECTIONS AND STRUCTURES

- BRIDGE
- CULVERT
- PRIORITY INTERSECTION

N

KEY MAP





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Client	DOUGLAS SHIRE COUNCIL
Project	1100 DOUGLAS SHIRE COUNCIL LGIP
Title	FUTURE TRANSPORT TRUNK INFRASTRUCTURE KEY MAP

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-313	E

LEGEND

EXISTING TRANSPORT (SCR) TRUNK INFRASTRUCTURE

- HIGHWAY (SCR)
- SUB ARTERIAL (SCR)
- BRIDGE (SCR)
- CULVERT (SCR)
- ROUNDABOUT (SCR)

FUTURE TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

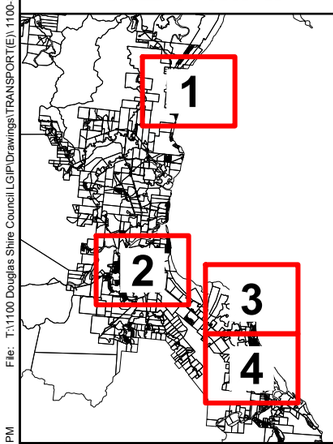
- SUB ARTERIAL
- URBAN MAJOR COLLECTOR
- RURAL MAJOR COLLECTOR
- URBAN MINOR COLLECTOR
- RURAL MINOR COLLECTOR
- DRAINAGE LINE
- ROAD UPGRADE
- AREAS UNDER INVESTIGATION

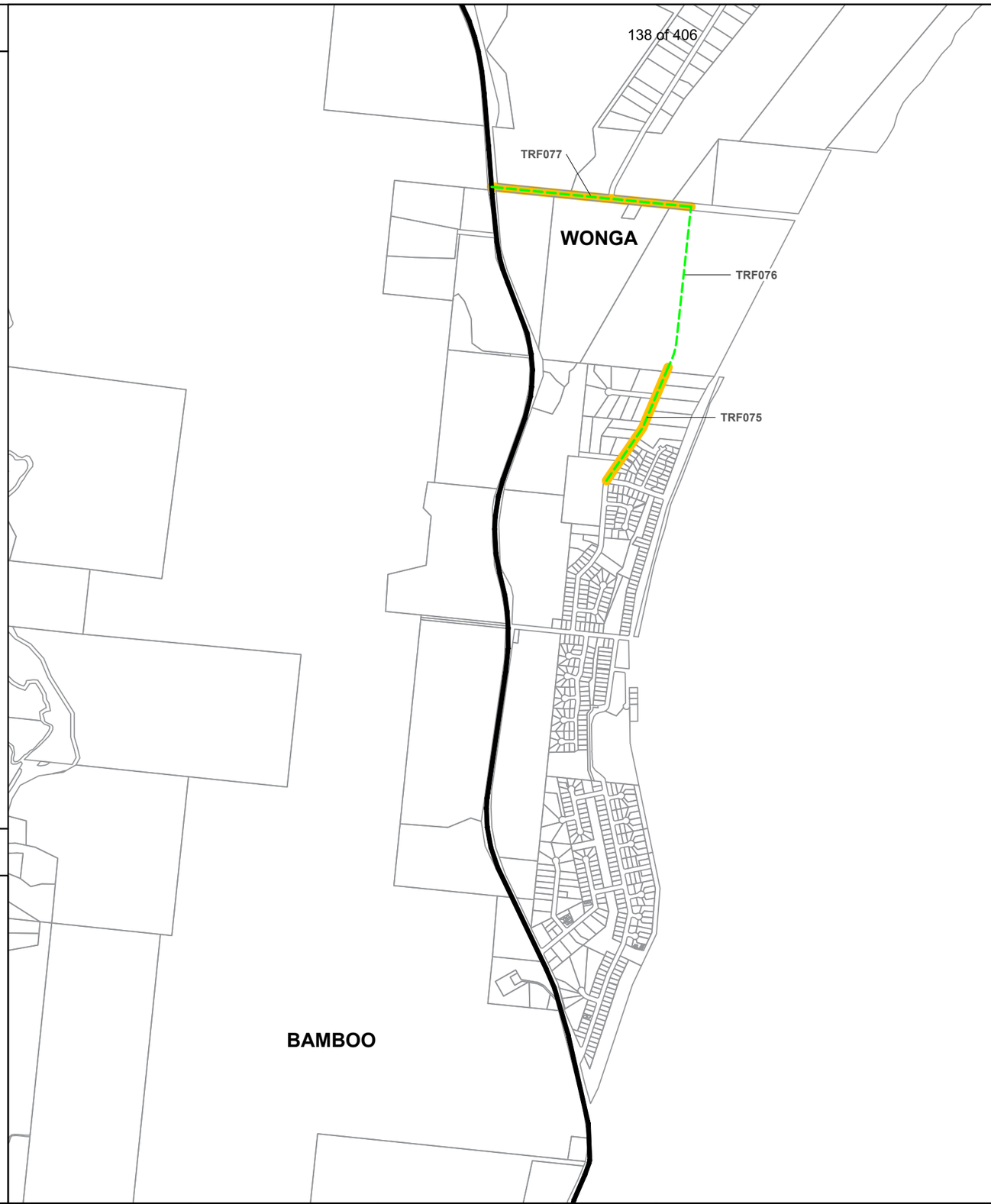
FUTURE INTERSECTIONS AND STRUCTURES

- BRIDGE
- CULVERT
- PRIORITY INTERSECTION

N

KEY MAP





DOUGLAS SHIRE SOUTH (TR1)

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No.	Description	Reviewed	Approved	Date
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Revisions

GRID: 1

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1:20000	IM	RR	RR	RR	R RANKINE		20/03/18	1100-314	E

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Client: DOUGLAS SHIRE COUNCIL
Project: 1100 DOUGLAS SHIRE COUNCIL LGIP
Title: FUTURE TRANSPORT TRUNK INFRASTRUCTURE - GRID 1

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External References: TEC-TITLE-A3_a.dwg

LEGEND

EXISTING TRANSPORT (SCR) TRUNK INFRASTRUCTURE

- HIGHWAY (SCR)
- SUB ARTERIAL (SCR)
- BRIDGE (SCR)
- CULVERT (SCR)
- ROUNDABOUT (SCR)

FUTURE TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

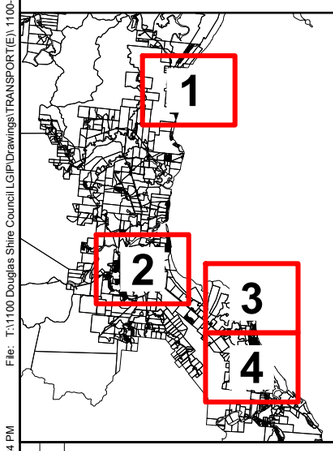
- SUB ARTERIAL
- URBAN MAJOR COLLECTOR
- RURAL MAJOR COLLECTOR
- URBAN MINOR COLLECTOR
- RURAL MINOR COLLECTOR
- DRAINAGE LINE
- ROAD UPGRADE
- AREAS UNDER INVESTIGATION

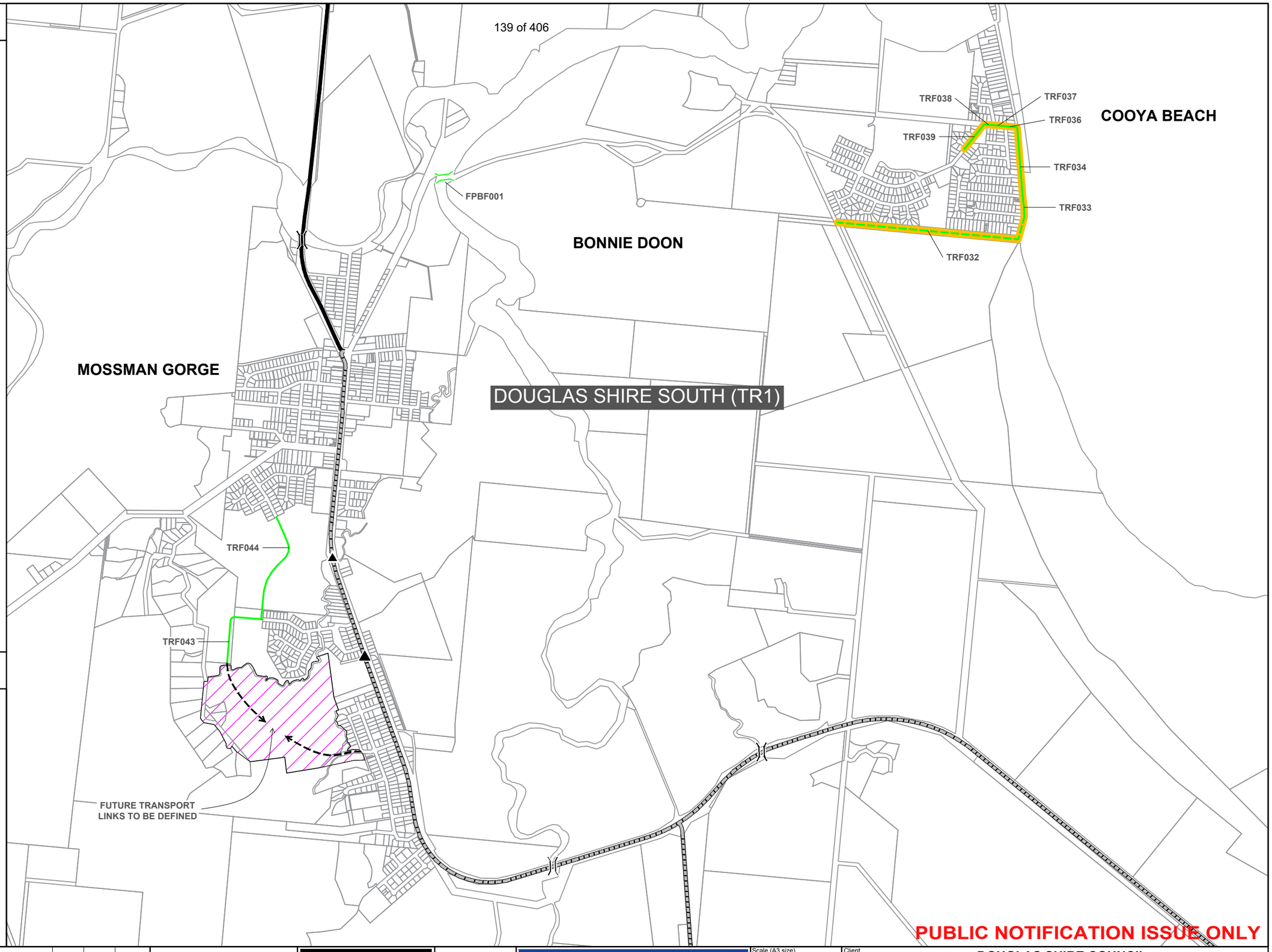
FUTURE INTERSECTIONS AND STRUCTURES

- BRIDGE
- CULVERT
- PRIORITY INTERSECTION

N

KEY MAP





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Client: DOUGLAS SHIRE COUNCIL
Project: 1100 DOUGLAS SHIRE COUNCIL LGIP
Title: FUTURE TRANSPORT TRUNK INFRASTRUCTURE - GRID 2

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-315	E

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File: T:\1100 Douglas Shire Council LGIP\Drawings\TRANSPORT\E\) 1100-313 to 317(E) FUTURE TRANSPORT.dwg
External References: TEC-TITLE-A3_a.dwg

LEGEND

EXISTING TRANSPORT (SCR) TRUNK INFRASTRUCTURE

- HIGHWAY (SCR)
- SUB ARTERIAL (SCR)
- BRIDGE (SCR)
- CULVERT (SCR)
- ROUNDABOUT (SCR)

FUTURE TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

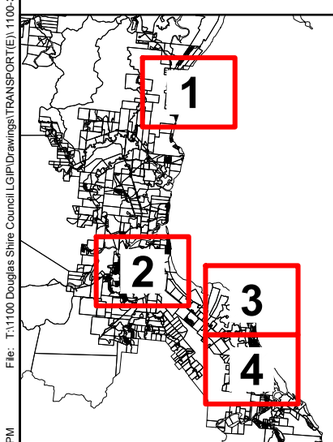
- SUB ARTERIAL
- URBAN MAJOR COLLECTOR
- RURAL MAJOR COLLECTOR
- URBAN MINOR COLLECTOR
- RURAL MINOR COLLECTOR
- DRAINAGE LINE
- ROAD UPGRADE
- AREAS UNDER INVESTIGATION

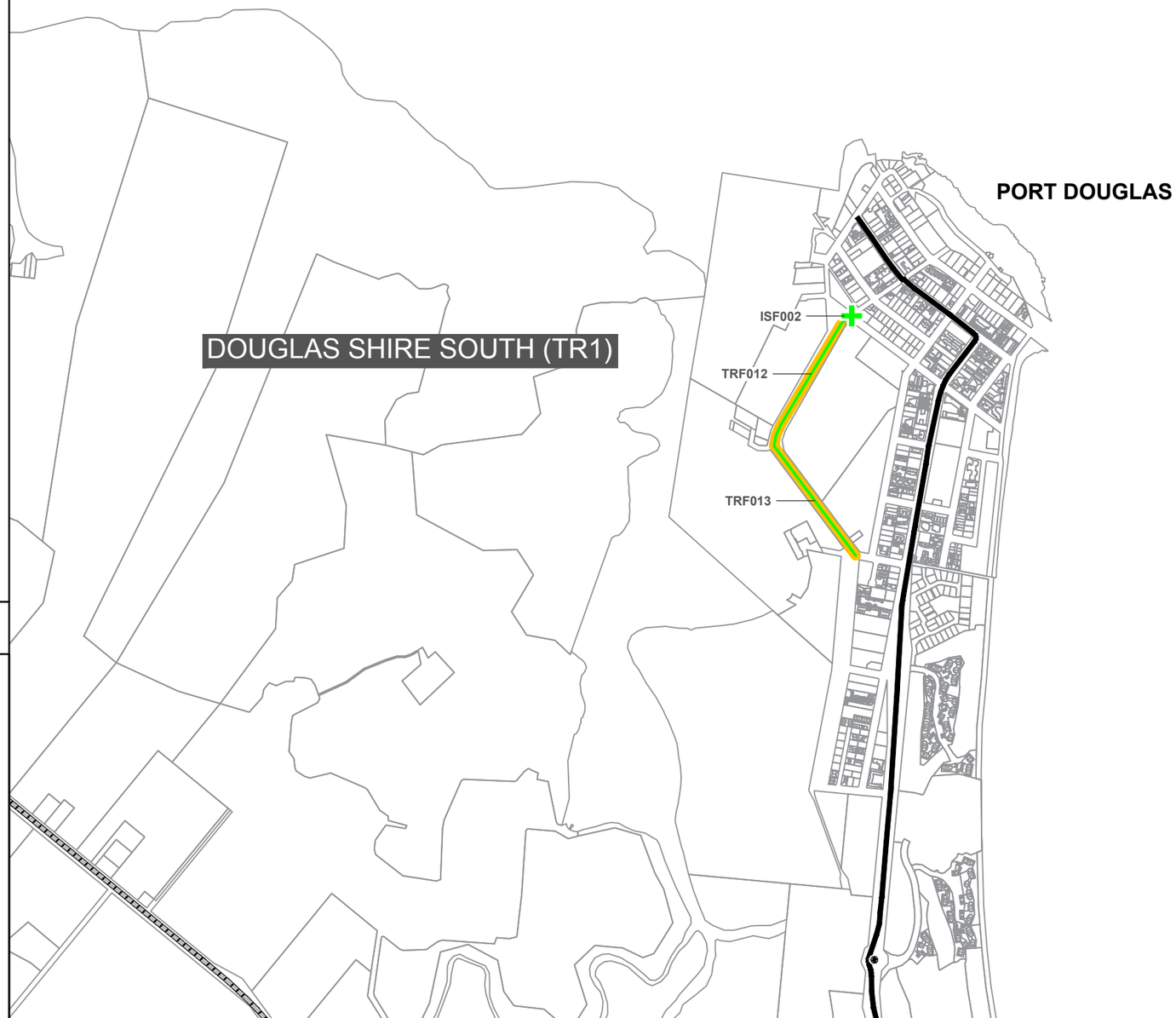
FUTURE INTERSECTIONS AND STRUCTURES

- BRIDGE
- CULVERT
- PRIORITY INTERSECTION

N

KEY MAP





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1:20000	DOUGLAS SHIRE COUNCIL	
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	Title	FUTURE TRANSPORT TRUNK INFRASTRUCTURE - GRID 3

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-316	E

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File: T:\1100 Douglas Shire Council LGIP\Drawings\TRANSPORT(E)\ 1100-313 to 317(E) FUTURE TRANSPORT.dwg

External References: TEC-TITLE-A3_a.dwg

LEGEND

EXISTING TRANSPORT (SCR) TRUNK INFRASTRUCTURE

- HIGHWAY (SCR)
- SUB ARTERIAL (SCR)
- BRIDGE (SCR)
- CULVERT (SCR)
- ROUNDABOUT (SCR)

FUTURE TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

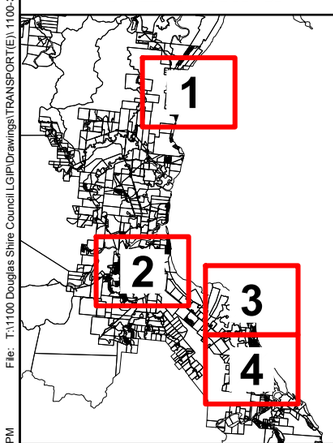
- SUB ARTERIAL
- URBAN MAJOR COLLECTOR
- RURAL MAJOR COLLECTOR
- URBAN MINOR COLLECTOR
- RURAL MINOR COLLECTOR
- DRAINAGE LINE
- ROAD UPGRADE
- AREAS UNDER INVESTIGATION
- POTENTIAL FUTURE TRANSPORT CORRIDOR

FUTURE INTERSECTIONS AND STRUCTURES

- BRIDGE
- CULVERT
- PRIORITY INTERSECTION

N

KEY MAP



CRAIGLIE

DOUGLAS SHIRE SOUTH (TR1)

FUTURE TRANSPORT LINKS TO BE DEFINED

SCF012

TRF008

SCF013

TRF007

TRF006

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GRID: 4

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Scale (A3 size)	Client	
1:20000	DOUGLAS SHIRE COUNCIL	
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	Title: FUTURE TRANSPORT TRUNK INFRASTRUCTURE - GRID 4	

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		20/03/18	1100-317	E

External References: TEC-TITLE-A3_a.dwg

DOUGLAS SHIRE COUNCIL

Trinity Engineering and Consulting

LOCAL GOVERNMENT INFRASTRUCTURE PLANS (TRUNK PATH INFRASTRUCTURE)

for

DOUGLAS SHIRE COUNCIL

SCHEDULE OF PROJECT DRAWINGS

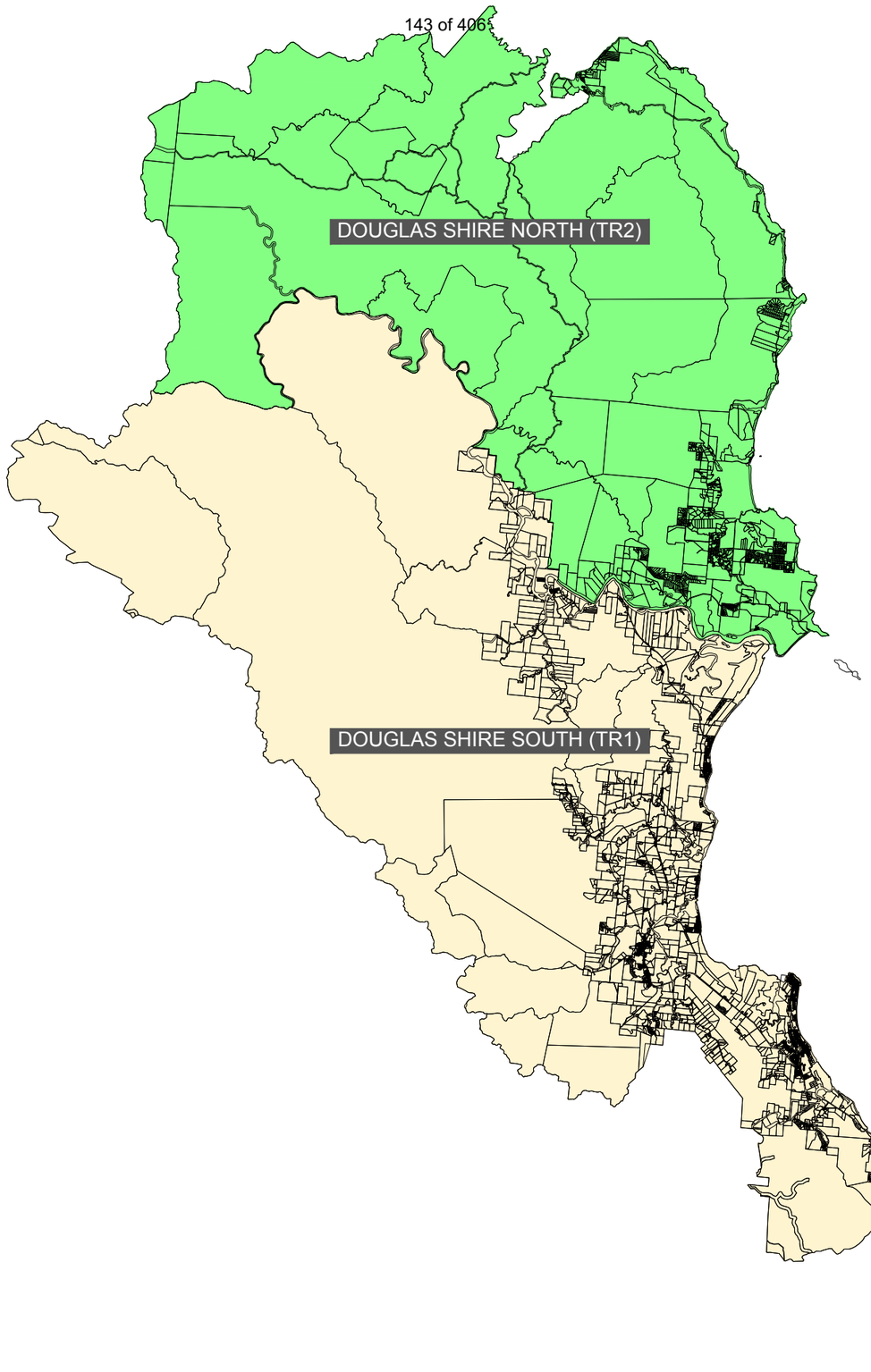
PUBLIC NOTIFICATION ISSUE ONLY

LEGEND

TRUNK PATH INFRASTRUCTURE CATCHMENT AREAS

- DOUGLAS SHIRE SOUTH (TR1)
- DOUGLAS SHIRE NORTH (TR2)

N



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Revisions

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	Title: TRUNK PATH INFRASTRUCTURE CATCHMENT AREAS	

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-401	C

External References: TEC-TITLE-A3_a.dwg

LEGEND

TRUNK PATH INFRASTRUCTURE

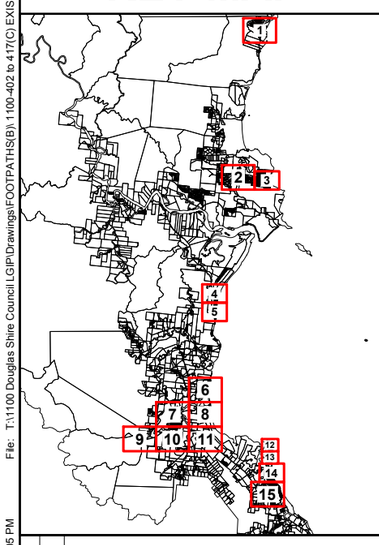
- TRUNK PATH (EXISTING)
- TRUNK PATH (FUTURE)
- EXISTING PATHS ASSOCIATED WITH TRUNK ROADS INFRASTRUCTURE
- STRATEGIC INVESTIGATION CORRIDOR
- FAR NORTH QUEENSLAND PRINCIPAL CYCLE NETWORK
- AREAS UNDER INVESTIGATION
- PEDESTRIAN BRIDGE (FUTURE)

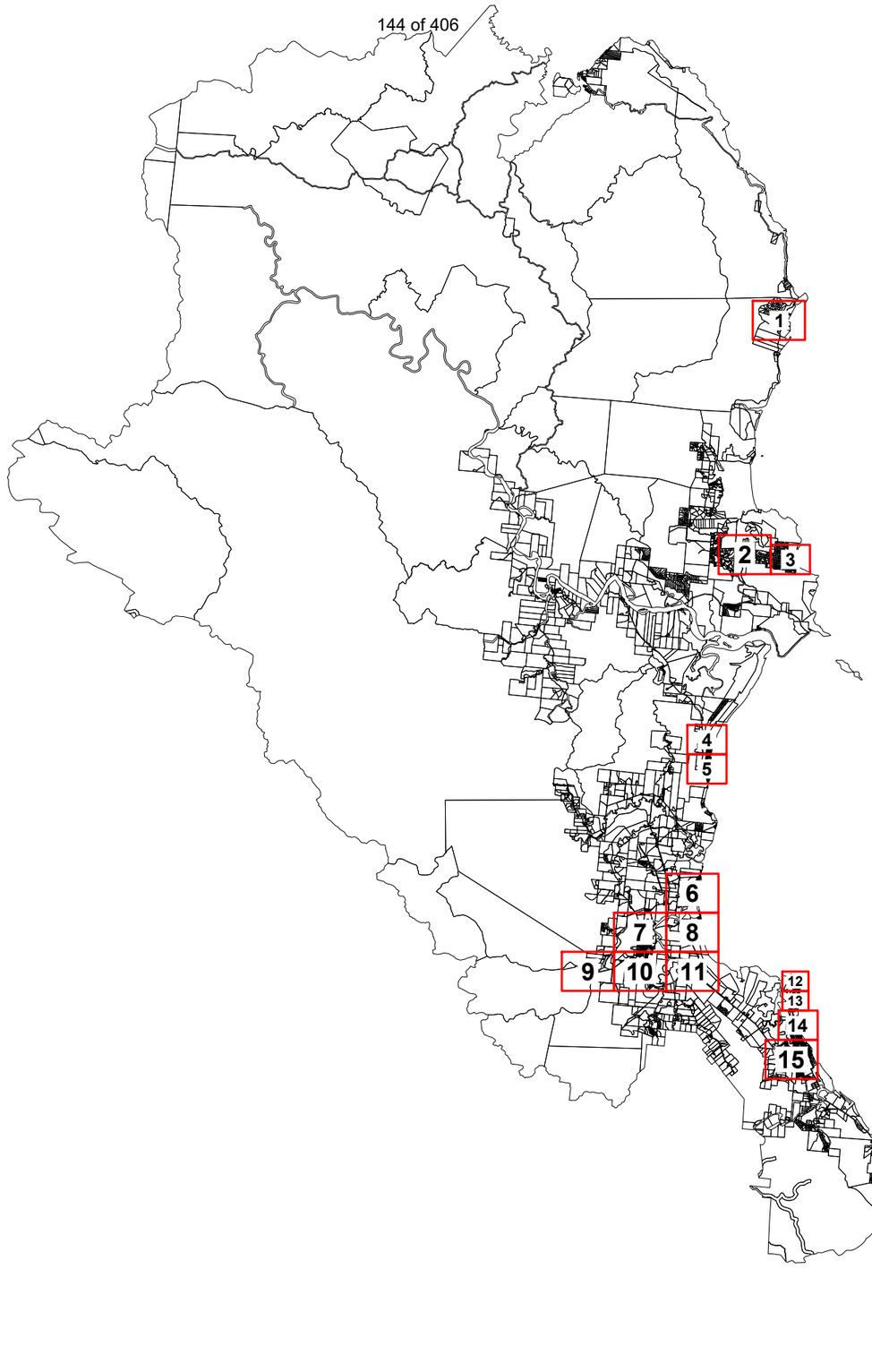
TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

- SCR ROADS
- LOCAL TRUNK ROADS INFRASTRUCTURE (EXISTING)
- LOCAL TRUNK ROADS INFRASTRUCTURE (FUTURE)
- POTENTIAL FUTURE TRANSPORT CORRIDOR

N

KEY MAP





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Client	DOUGLAS SHIRE COUNCIL
Project	1100 DOUGLAS SHIRE COUNCIL LGIP
Title	TRUNK PATH INFRASTRUCTURE KEY MAP

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-402	C

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External References: TEC-TITLE-A3_a.dwg

LEGEND

TRUNK PATH INFRASTRUCTURE

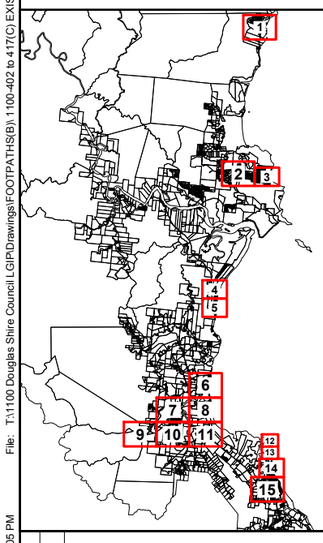
- TRUNK PATH (EXISTING)
- TRUNK PATH (FUTURE)
- EXISTING PATHS ASSOCIATED WITH TRUNK ROADS INFRASTRUCTURE
- STRATEGIC INVESTIGATION CORRIDOR
- FAR NORTH QUEENSLAND PRINCIPAL CYCLE NETWORK
- AREAS UNDER INVESTIGATION
- PEDESTRIAN BRIDGE (FUTURE)

TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

- SCR ROADS
- LOCAL TRUNK ROADS INFRASTRUCTURE (EXISTING)
- LOCAL TRUNK ROADS INFRASTRUCTURE (FUTURE)
- POTENTIAL FUTURE TRANSPORT CORRIDOR

N

KEY MAP



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Scale (A3 size)	Client	
1:10000	DOUGLAS SHIRE COUNCIL	
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	Title: TRUNK PATH INFRASTRUCTURE - GRID 1	

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-403	C

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External References: TEC-TITLE-A3_a.dwg

LEGEND

TRUNK PATH INFRASTRUCTURE

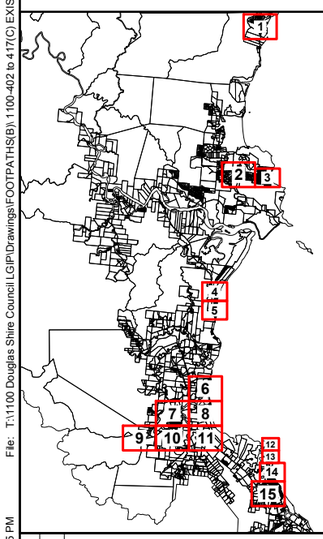
- TRUNK PATH (EXISTING)
- TRUNK PATH (FUTURE)
- EXISTING PATHS ASSOCIATED WITH TRUNK ROADS INFRASTRUCTURE
- STRATEGIC INVESTIGATION CORRIDOR
- FAR NORTH QUEENSLAND PRINCIPAL CYCLE NETWORK
- AREAS UNDER INVESTIGATION
- PEDESTRIAN BRIDGE (FUTURE)

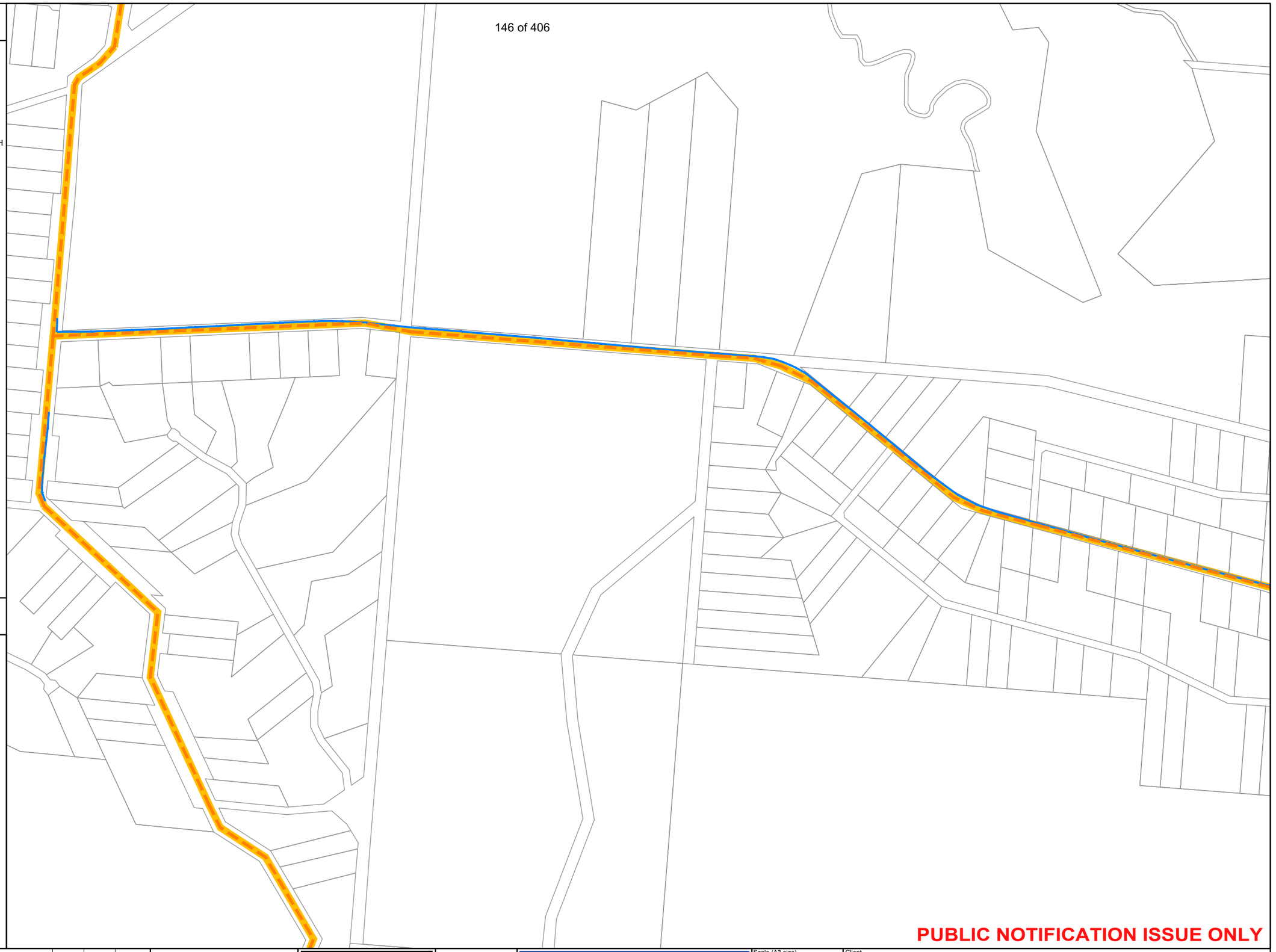
TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

- SCR ROADS
- LOCAL TRUNK ROADS INFRASTRUCTURE (EXISTING)
- LOCAL TRUNK ROADS INFRASTRUCTURE (FUTURE)
- POTENTIAL FUTURE TRANSPORT CORRIDOR

N

KEY MAP





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Revisions				
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

GRID: 2

DOUGLAS SHIRE COUNCIL
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Scale (A3 size)	Client
1:10000	DOUGLAS SHIRE COUNCIL
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	Title: TRUNK PATH INFRASTRUCTURE - GRID 2

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-404	C

External References: TEC-TITLE-A3_a.dwg

LEGEND

TRUNK PATH INFRASTRUCTURE

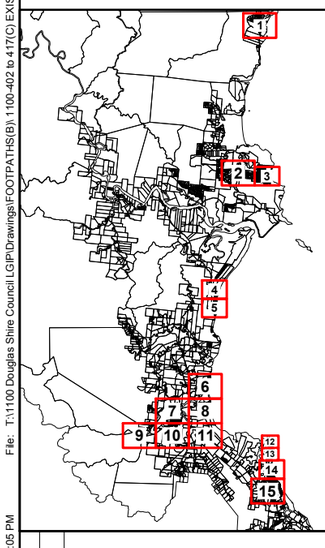
- TRUNK PATH (EXISTING)
- TRUNK PATH (FUTURE)
- EXISTING PATHS ASSOCIATED WITH TRUNK ROADS INFRASTRUCTURE
- STRATEGIC INVESTIGATION CORRIDOR
- FAR NORTH QUEENSLAND PRINCIPAL CYCLE NETWORK
- AREAS UNDER INVESTIGATION
- PEDESTRIAN BRIDGE (FUTURE)

TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

- SCR ROADS
- LOCAL TRUNK ROADS INFRASTRUCTURE (EXISTING)
- LOCAL TRUNK ROADS INFRASTRUCTURE (FUTURE)
- POTENTIAL FUTURE TRANSPORT CORRIDOR

N

KEY MAP



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No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

External References: TEC-TITLE-A3_a.dwg

GRID: 3

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Scale (A3 size)	1:7500
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Client	DOUGLAS SHIRE COUNCIL
Project	1100 DOUGLAS SHIRE COUNCIL LGIP
Title	TRUNK PATH INFRASTRUCTURE - GRID 3

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-405	C

LEGEND

TRUNK PATH INFRASTRUCTURE

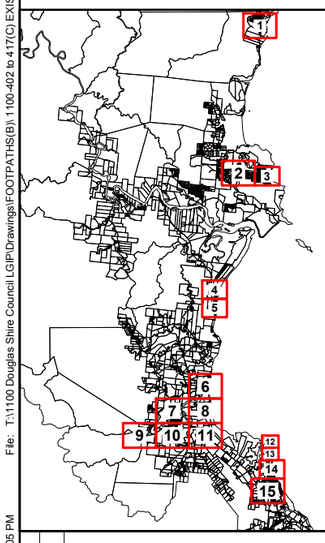
- TRUNK PATH (EXISTING)
- TRUNK PATH (FUTURE)
- EXISTING PATHS ASSOCIATED WITH TRUNK ROADS INFRASTRUCTURE
- STRATEGIC INVESTIGATION CORRIDOR
- FAR NORTH QUEENSLAND PRINCIPAL CYCLE NETWORK
- AREAS UNDER INVESTIGATION
- PEDESTRIAN BRIDGE (FUTURE)

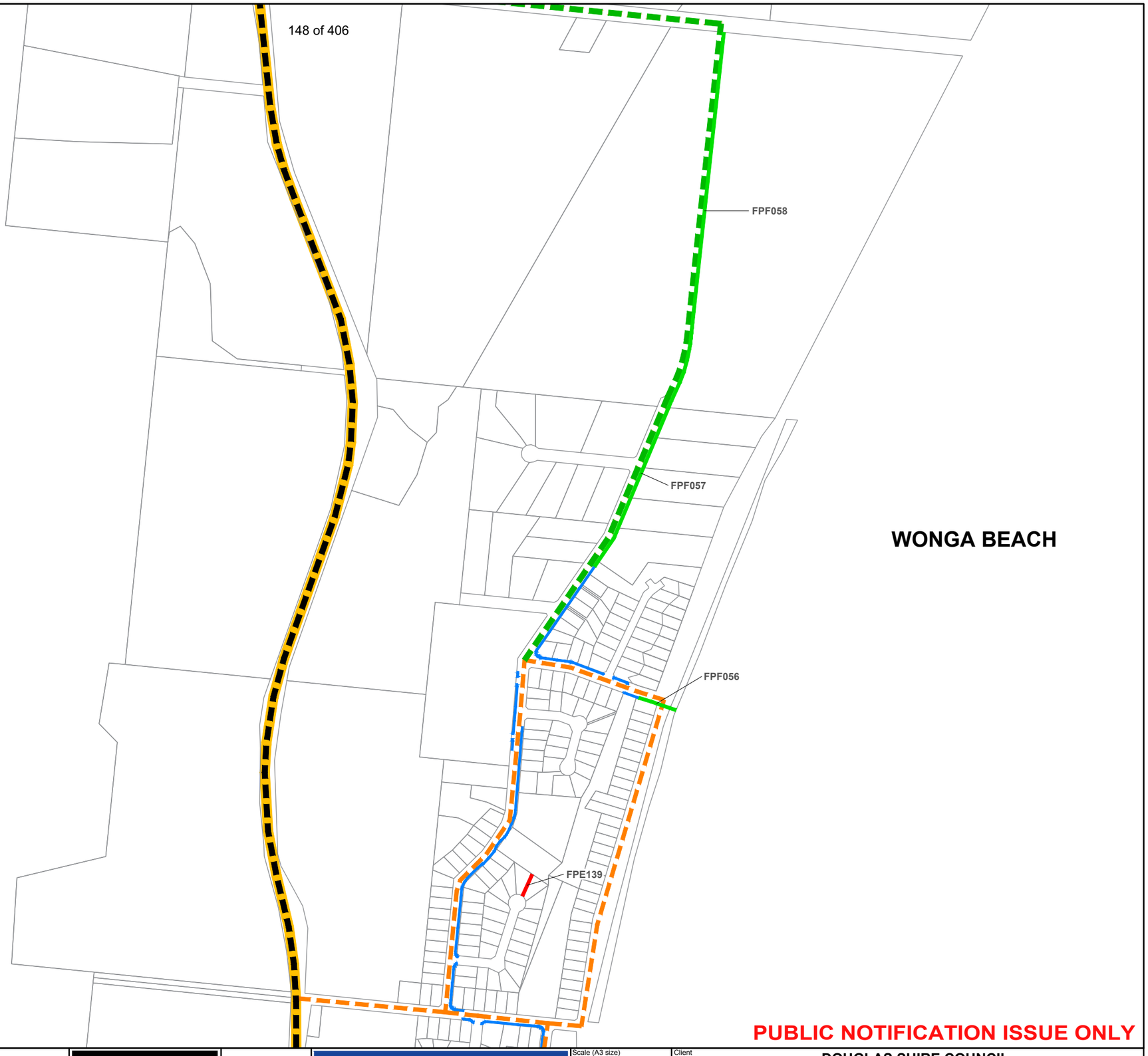
TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

- SCR ROADS
- LOCAL TRUNK ROADS INFRASTRUCTURE (EXISTING)
- LOCAL TRUNK ROADS INFRASTRUCTURE (FUTURE)
- POTENTIAL FUTURE TRANSPORT CORRIDOR

N

KEY MAP





WONGA BEACH

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Revisions					
No.	Description	Reviewed	Approved	Date	
A	ISSUED FOR REVIEW				

GRID: 4

DOUGLAS SHIRE COUNCIL
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Scale (A3 size)	Client
1:7500	DOUGLAS SHIRE COUNCIL
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	Title: TRUNK PATH INFRASTRUCTURE - GRID 4

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-406	C

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External References: TEC-TITLE-A3_a.dwg

LEGEND

TRUNK PATH INFRASTRUCTURE

- TRUNK PATH (EXISTING)
- TRUNK PATH (FUTURE)
- EXISTING PATHS ASSOCIATED WITH TRUNK ROADS INFRASTRUCTURE
- STRATEGIC INVESTIGATION CORRIDOR
- FAR NORTH QUEENSLAND PRINCIPAL CYCLE NETWORK
- AREAS UNDER INVESTIGATION
- PEDESTRIAN BRIDGE (FUTURE)

TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

- SCR ROADS
- LOCAL TRUNK ROADS INFRASTRUCTURE (EXISTING)
- LOCAL TRUNK ROADS INFRASTRUCTURE (FUTURE)
- POTENTIAL FUTURE TRANSPORT CORRIDOR

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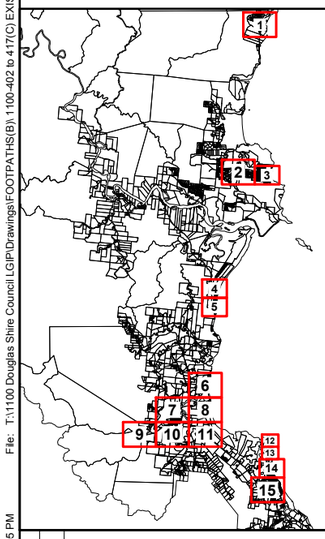
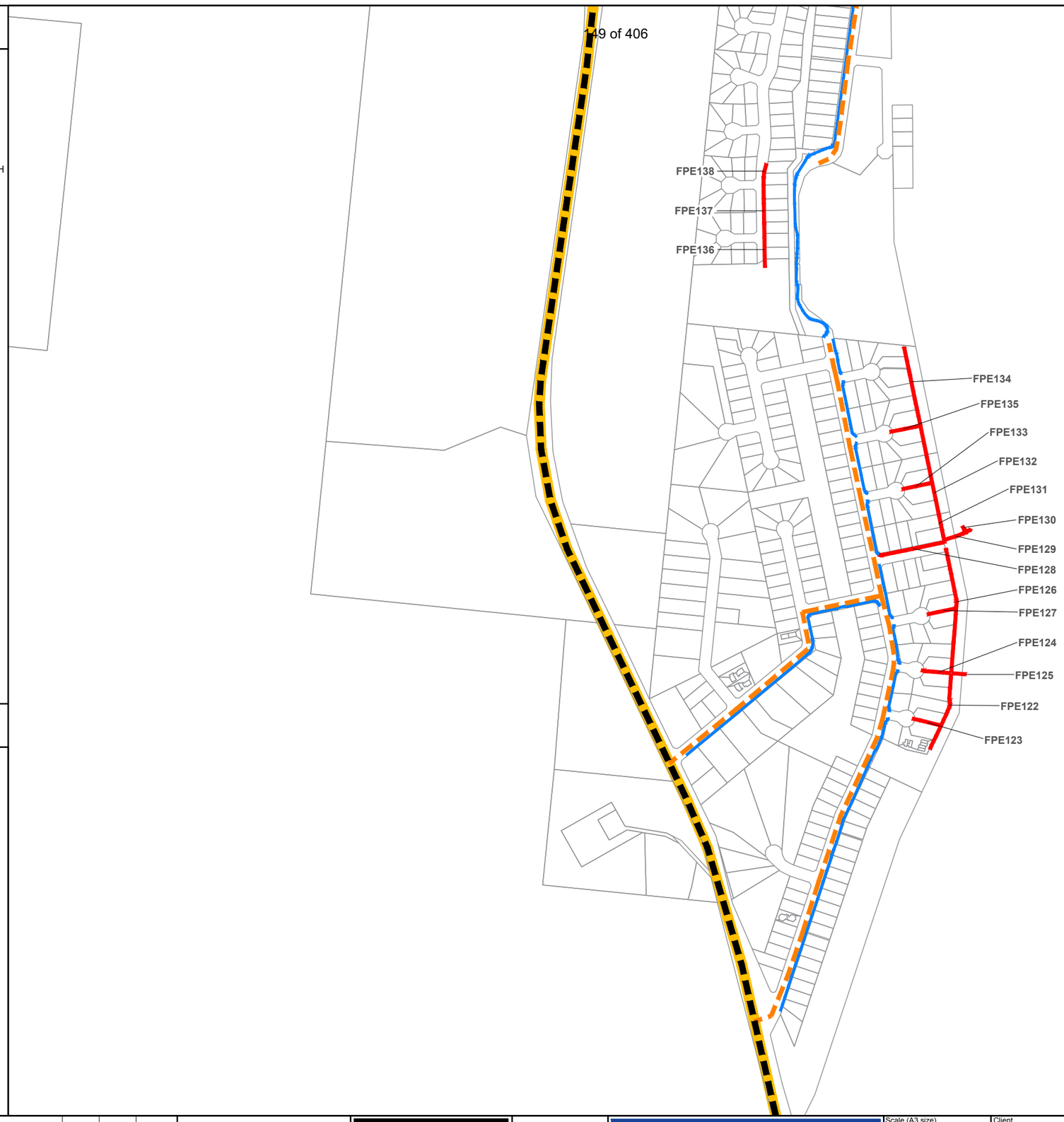
KEY MAP





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Revisions					
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

GRID: 5

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Scale (A3 size): 1:7500

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Client: DOUGLAS SHIRE COUNCIL
Project: 1100 DOUGLAS SHIRE COUNCIL LGIP
Title: TRUNK PATH INFRASTRUCTURE - GRID 5

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-407	C

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External References: TEC-TITLE-A3_a.dwg

LEGEND

TRUNK PATH INFRASTRUCTURE

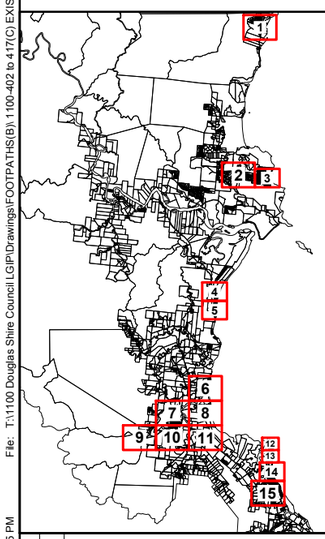
- TRUNK PATH (EXISTING)
- TRUNK PATH (FUTURE)
- EXISTING PATHS ASSOCIATED WITH TRUNK ROADS INFRASTRUCTURE
- STRATEGIC INVESTIGATION CORRIDOR
- FAR NORTH QUEENSLAND PRINCIPAL CYCLE NETWORK
- AREAS UNDER INVESTIGATION
- PEDESTRIAN BRIDGE (FUTURE)

TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

- SCR ROADS
- LOCAL TRUNK ROADS INFRASTRUCTURE (EXISTING)
- LOCAL TRUNK ROADS INFRASTRUCTURE (FUTURE)
- POTENTIAL FUTURE TRANSPORT CORRIDOR

N

KEY MAP



NEWELL BEACH

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No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

Revisions

GRID: 6

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Client: DOUGLAS SHIRE COUNCIL
Project: 1100 DOUGLAS SHIRE COUNCIL LGIP
Title: TRUNK PATH INFRASTRUCTURE - GRID 6

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-408	C

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External References: TEC-TITLE-A3_a.dwg

LEGEND

TRUNK PATH INFRASTRUCTURE

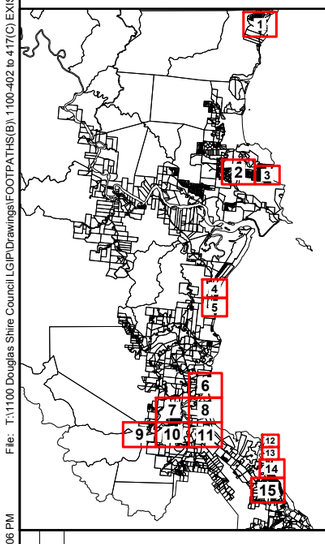
- TRUNK PATH (EXISTING)
- TRUNK PATH (FUTURE)
- EXISTING PATHS ASSOCIATED WITH TRUNK ROADS INFRASTRUCTURE
- STRATEGIC INVESTIGATION CORRIDOR
- FAR NORTH QUEENSLAND PRINCIPAL CYCLE NETWORK
- AREAS UNDER INVESTIGATION
- PEDESTRIAN BRIDGE (FUTURE)

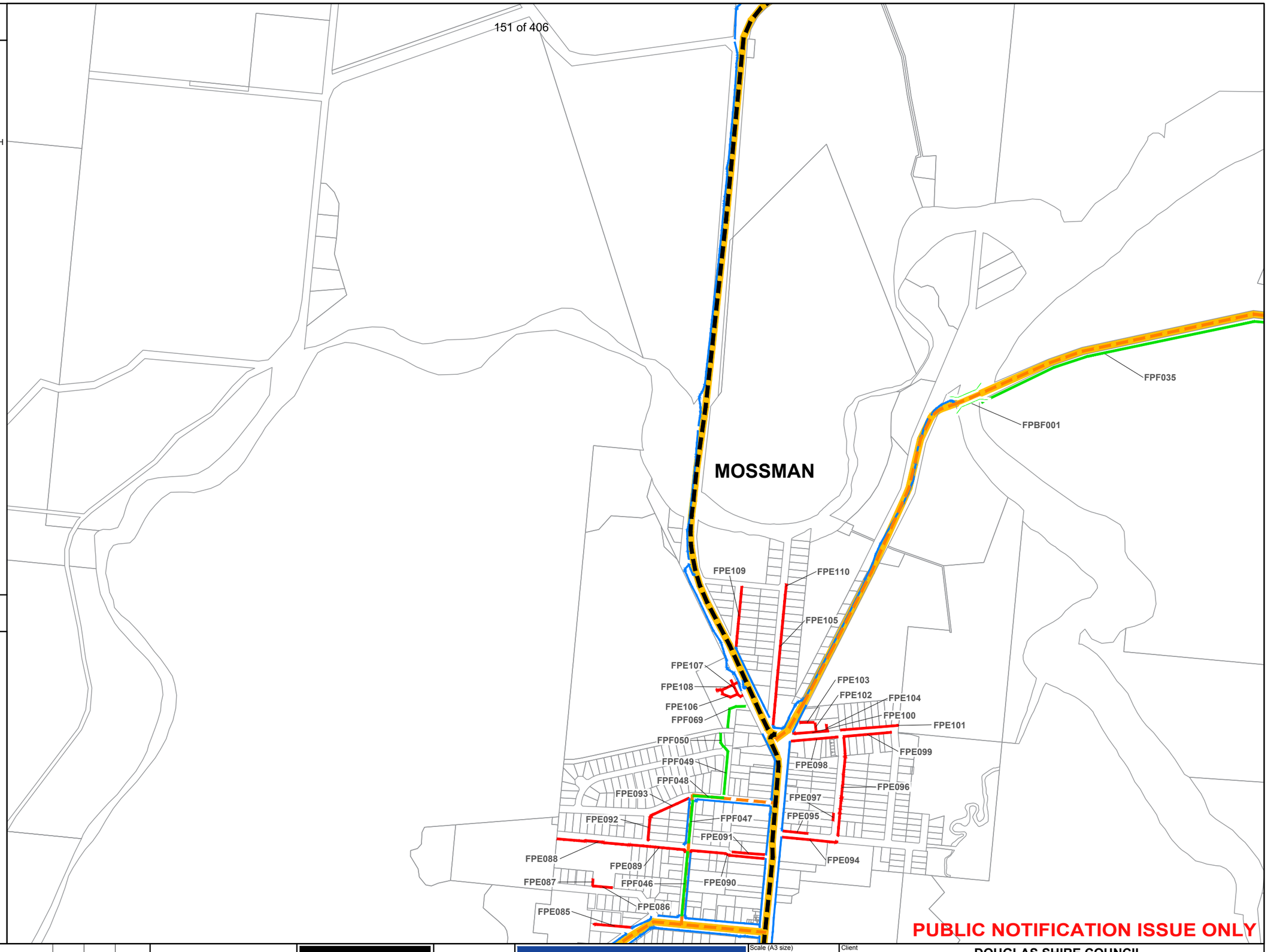
TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

- SCR ROADS
- LOCAL TRUNK ROADS INFRASTRUCTURE (EXISTING)
- LOCAL TRUNK ROADS INFRASTRUCTURE (FUTURE)
- POTENTIAL FUTURE TRANSPORT CORRIDOR

N

KEY MAP





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Revisions				
No.	Description	Reviewed	Approved	Date
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GRID: 7

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Client	DOUGLAS SHIRE COUNCIL
Project	1100 DOUGLAS SHIRE COUNCIL LGIP
Title	TRUNK PATH INFRASTRUCTURE - GRID 7

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-409	C

External References: TEC-TITLE-A3_a.dwg

LEGEND

TRUNK PATH INFRASTRUCTURE

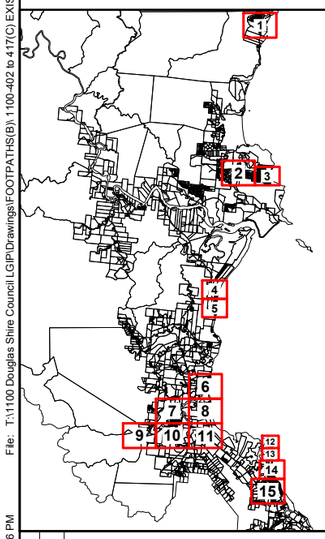
- TRUNK PATH (EXISTING)
- TRUNK PATH (FUTURE)
- EXISTING PATHS ASSOCIATED WITH TRUNK ROADS INFRASTRUCTURE
- STRATEGIC INVESTIGATION CORRIDOR
- FAR NORTH QUEENSLAND PRINCIPAL CYCLE NETWORK
- AREAS UNDER INVESTIGATION
- PEDESTRIAN BRIDGE (FUTURE)

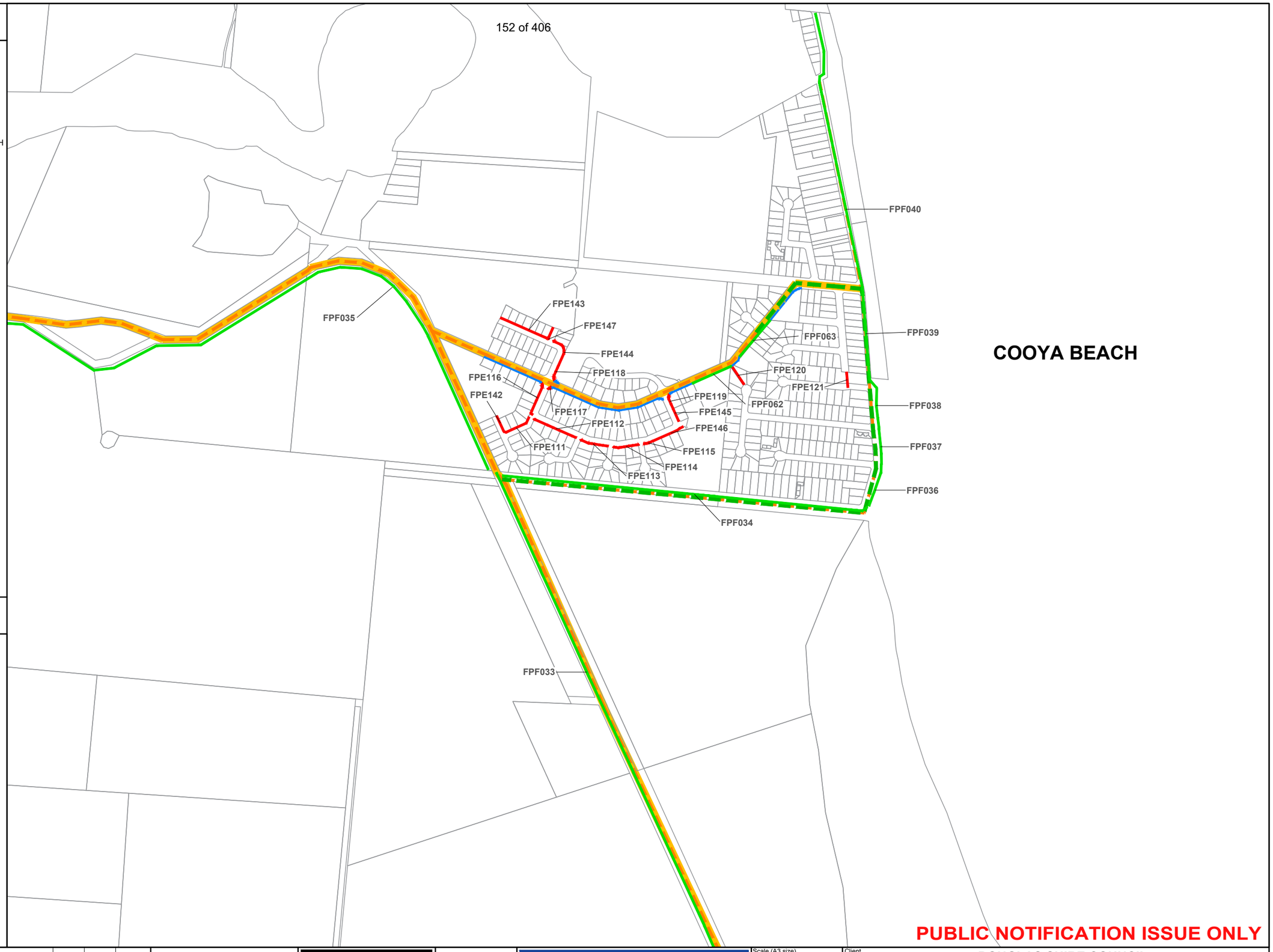
TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

- SCR ROADS
- LOCAL TRUNK ROADS INFRASTRUCTURE (EXISTING)
- LOCAL TRUNK ROADS INFRASTRUCTURE (FUTURE)
- POTENTIAL FUTURE TRANSPORT CORRIDOR

N

KEY MAP





COOYA BEACH

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Revisions					
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

GRID: 8

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Scale (A3 size)	Client	Project	Title
1:10000	DOUGLAS SHIRE COUNCIL	1100 DOUGLAS SHIRE COUNCIL LGIP	TRUNK PATH INFRASTRUCTURE - GRID 8

Drawing is not to be used for construction unless approved.

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-410	C

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External References: TEC-TITLE-A3_a.dwg

LEGEND

TRUNK PATH INFRASTRUCTURE

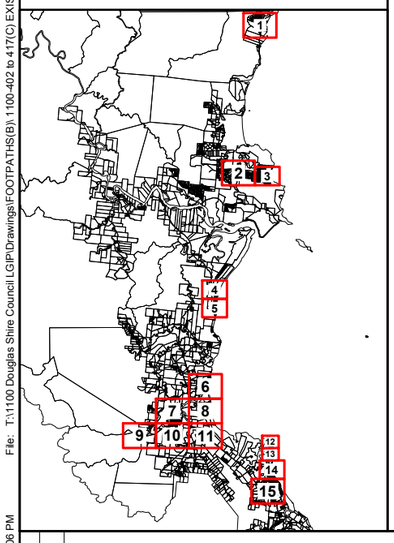
- TRUNK PATH (EXISTING)
- TRUNK PATH (FUTURE)
- EXISTING PATHS ASSOCIATED WITH TRUNK ROADS INFRASTRUCTURE
- STRATEGIC INVESTIGATION CORRIDOR
- FAR NORTH QUEENSLAND PRINCIPAL CYCLE NETWORK
- AREAS UNDER INVESTIGATION
- PEDESTRIAN BRIDGE (FUTURE)

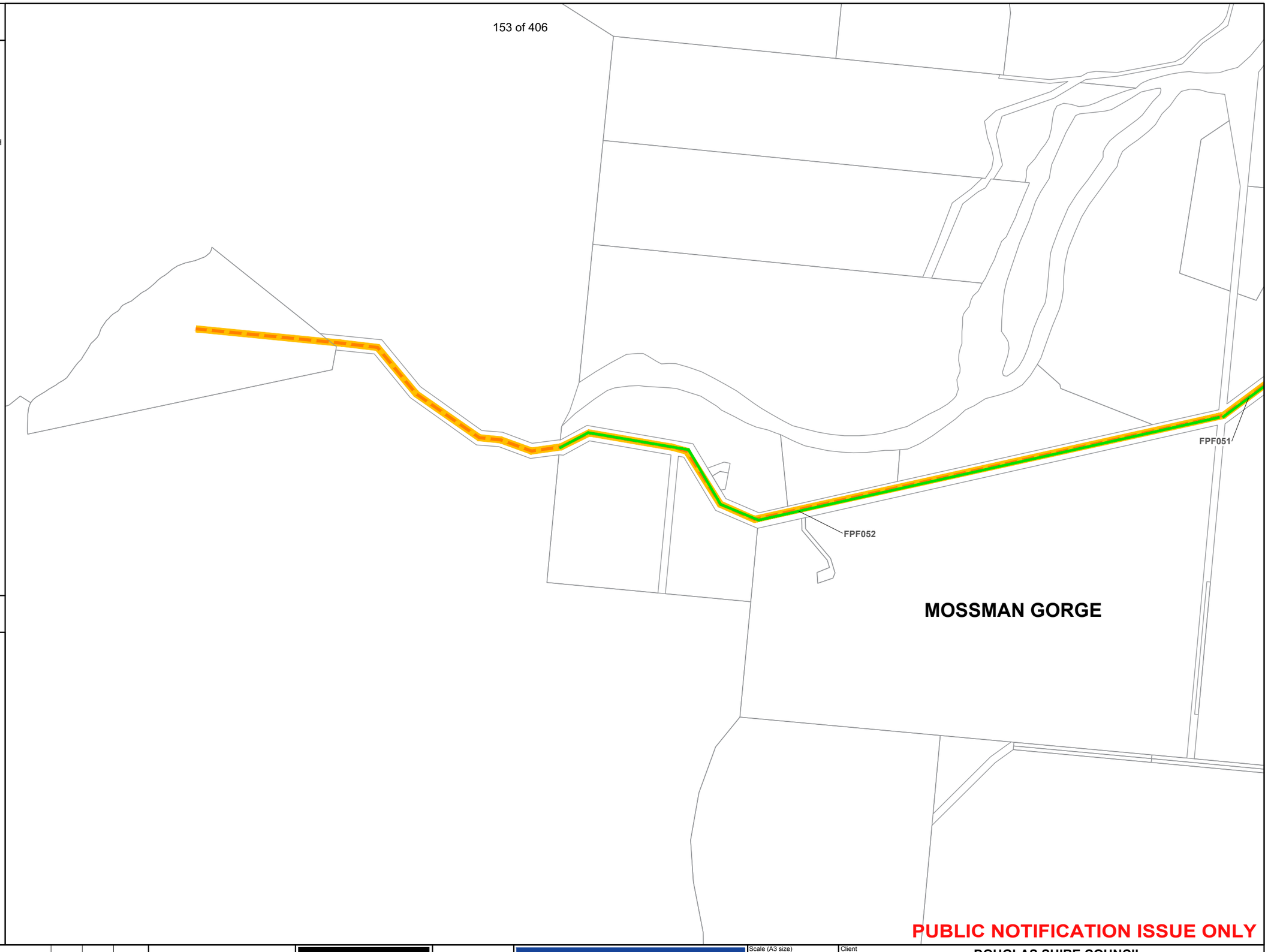
TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

- SCR ROADS
- LOCAL TRUNK ROADS INFRASTRUCTURE (EXISTING)
- LOCAL TRUNK ROADS INFRASTRUCTURE (FUTURE)
- POTENTIAL FUTURE TRANSPORT CORRIDOR

N

KEY MAP





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Revisions				
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GRID: 9

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	Title	TRUNK PATH INFRASTRUCTURE - GRID 9

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-411	C

External References: TEC-TITLE-A3_a.dwg

LEGEND

TRUNK PATH INFRASTRUCTURE

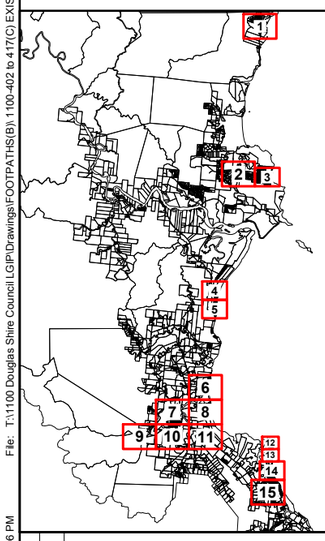
- TRUNK PATH (EXISTING)
- TRUNK PATH (FUTURE)
- EXISTING PATHS ASSOCIATED WITH TRUNK ROADS INFRASTRUCTURE
- STRATEGIC INVESTIGATION CORRIDOR
- FAR NORTH QUEENSLAND PRINCIPAL CYCLE NETWORK
- AREAS UNDER INVESTIGATION
- PEDESTRIAN BRIDGE (FUTURE)

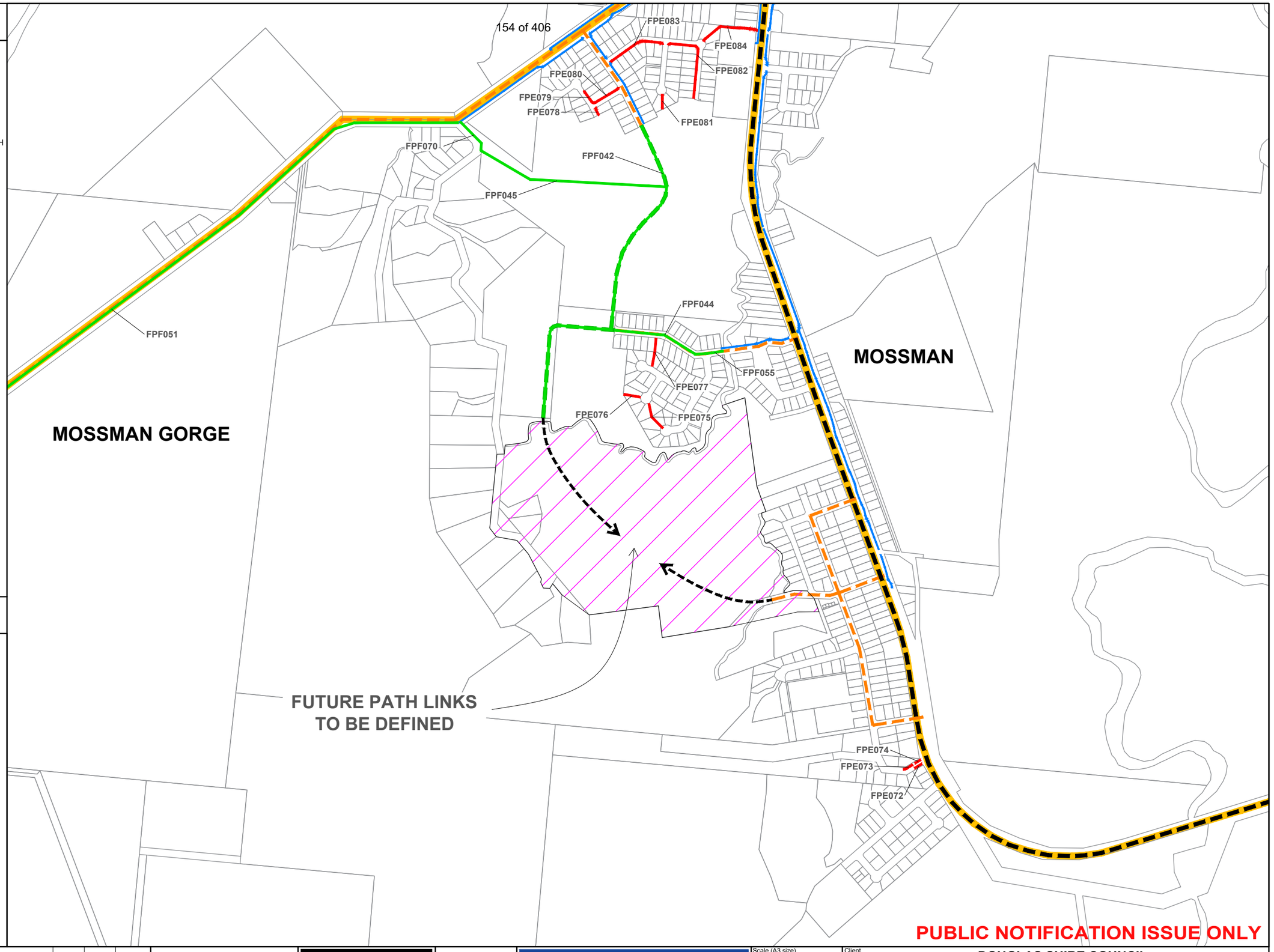
TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

- SCR ROADS
- LOCAL TRUNK ROADS INFRASTRUCTURE (EXISTING)
- LOCAL TRUNK ROADS INFRASTRUCTURE (FUTURE)
- POTENTIAL FUTURE TRANSPORT CORRIDOR

N

KEY MAP





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Revisions					
No.	Description	Reviewed	Approved	Date
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GRID: 10

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Client	DOUGLAS SHIRE COUNCIL
Project	1100 DOUGLAS SHIRE COUNCIL LGIP
Title	TRUNK PATH INFRASTRUCTURE - GRID 10

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-412	C

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External References: TEC-TITLE-A3_a.dwg

LEGEND

TRUNK PATH INFRASTRUCTURE

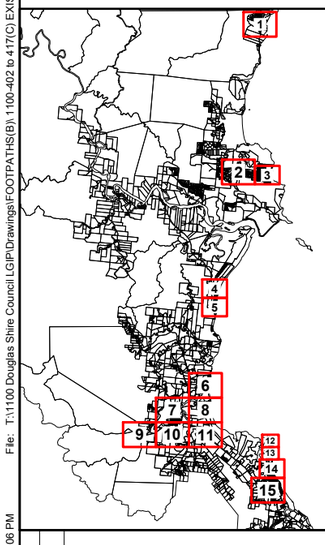
- TRUNK PATH (EXISTING)
- TRUNK PATH (FUTURE)
- EXISTING PATHS ASSOCIATED WITH TRUNK ROADS INFRASTRUCTURE
- STRATEGIC INVESTIGATION CORRIDOR
- FAR NORTH QUEENSLAND PRINCIPAL CYCLE NETWORK
- AREAS UNDER INVESTIGATION
- PEDESTRIAN BRIDGE (FUTURE)

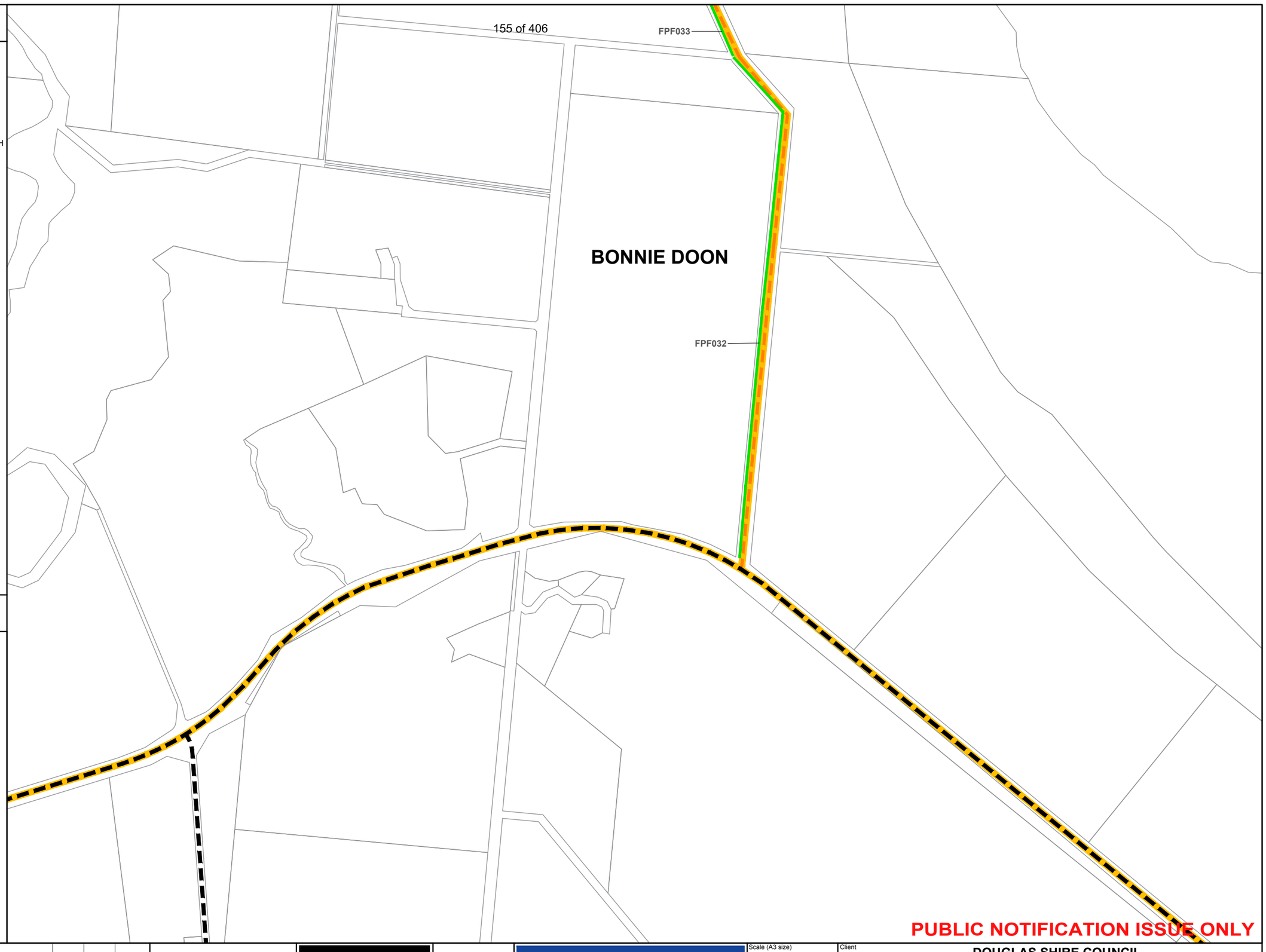
TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

- SCR ROADS
- LOCAL TRUNK ROADS INFRASTRUCTURE (EXISTING)
- LOCAL TRUNK ROADS INFRASTRUCTURE (FUTURE)
- POTENTIAL FUTURE TRANSPORT CORRIDOR

N

KEY MAP





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Revisions					
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A	ISSUED FOR REVIEW			

GRID: 11

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Scale (A3 size)	Client	
1:10000	DOUGLAS SHIRE COUNCIL	
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	Title: TRUNK PATH INFRASTRUCTURE - GRID 11	

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-413	C

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File: T:\1100 Douglas Shire Council LGIP\Drawings\FOOTPATHS\(B)\1100-402 to 417(C) EXIST & FUTURE FOOTPATHS.dwg

External References: TEC-TITLE-A3_a.dwg

LEGEND

Attachment 5.1.13

TRUNK PATH INFRASTRUCTURE

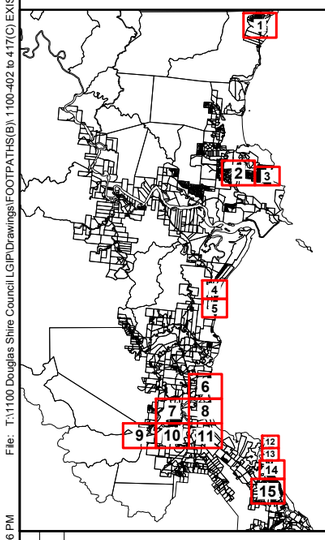
- TRUNK PATH (EXISTING)
- TRUNK PATH (FUTURE)
- EXISTING PATHS ASSOCIATED WITH TRUNK ROADS INFRASTRUCTURE
- STRATEGIC INVESTIGATION CORRIDOR
- FAR NORTH QUEENSLAND PRINCIPAL CYCLE NETWORK
- AREAS UNDER INVESTIGATION
- PEDESTRIAN BRIDGE (FUTURE)

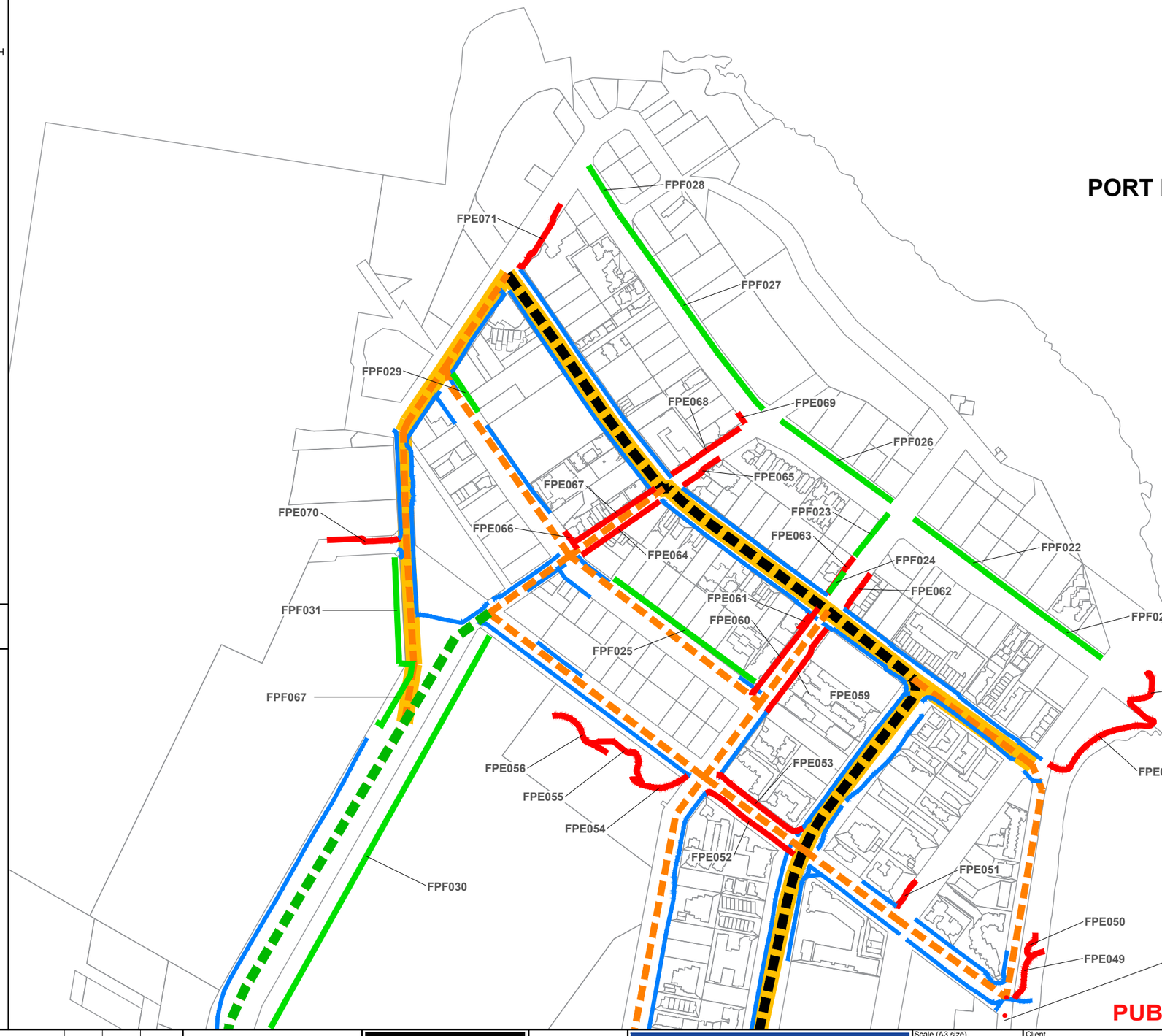
TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

- SCR ROADS
- LOCAL TRUNK ROADS INFRASTRUCTURE (EXISTING)
- LOCAL TRUNK ROADS INFRASTRUCTURE (FUTURE)
- POTENTIAL FUTURE TRANSPORT CORRIDOR

N

KEY MAP





PORT DOUGLAS

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Revisions				
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A	ISSUED FOR REVIEW			

External References: TEC-TITLE-A3_a.dwg

GRID: 12

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Scale (A3 size)	Client	
1:5000	DOUGLAS SHIRE COUNCIL	
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	Title: TRUNK PATH INFRASTRUCTURE - GRID 12	

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-414	C

LEGEND

TRUNK PATH INFRASTRUCTURE

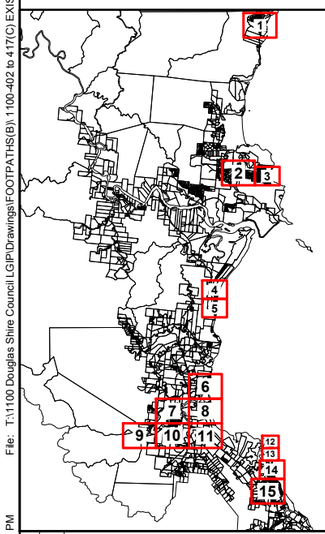
- TRUNK PATH (EXISTING)
- TRUNK PATH (FUTURE)
- EXISTING PATHS ASSOCIATED WITH TRUNK ROADS INFRASTRUCTURE
- STRATEGIC INVESTIGATION CORRIDOR
- FAR NORTH QUEENSLAND PRINCIPAL CYCLE NETWORK
- AREAS UNDER INVESTIGATION
- PEDESTRIAN BRIDGE (FUTURE)

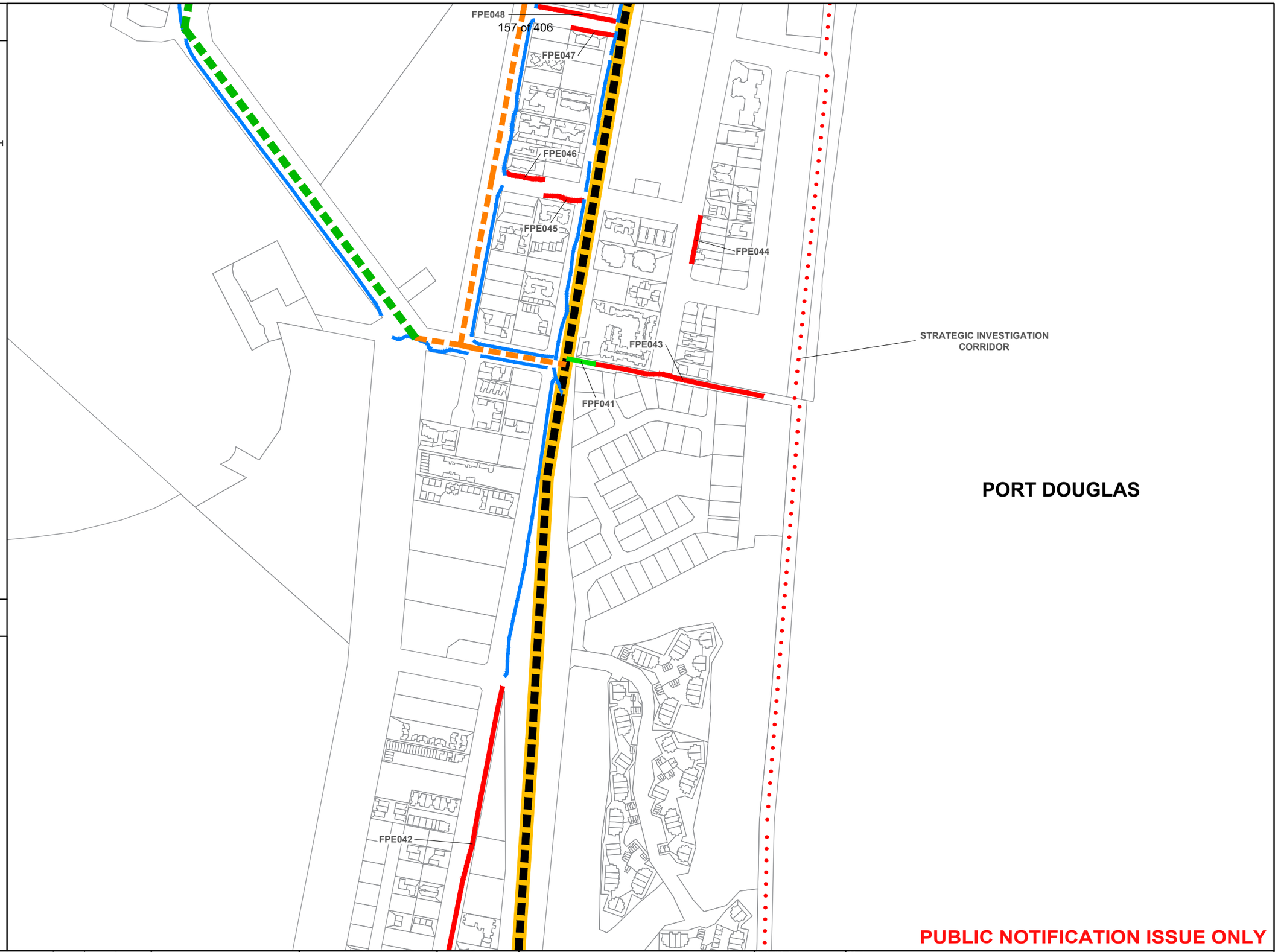
TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

- SCR ROADS
- LOCAL TRUNK ROADS INFRASTRUCTURE (EXISTING)
- LOCAL TRUNK ROADS INFRASTRUCTURE (FUTURE)
- POTENTIAL FUTURE TRANSPORT CORRIDOR

N

KEY MAP





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No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

Revisions

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Scale (A3 size)	Client	DOUGLAS SHIRE COUNCIL
1:5000	Project	1100 DOUGLAS SHIRE COUNCIL LGIP
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Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-415	C

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External References: TEC-TITLE-A3_a.dwg

LEGEND

TRUNK PATH INFRASTRUCTURE

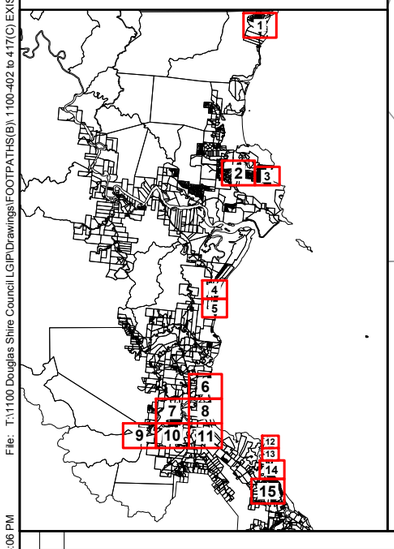
- TRUNK PATH (EXISTING)
- TRUNK PATH (FUTURE)
- EXISTING PATHS ASSOCIATED WITH TRUNK ROADS INFRASTRUCTURE
- STRATEGIC INVESTIGATION CORRIDOR
- FAR NORTH QUEENSLAND PRINCIPAL CYCLE NETWORK
- AREAS UNDER INVESTIGATION
- PEDESTRIAN BRIDGE (FUTURE)

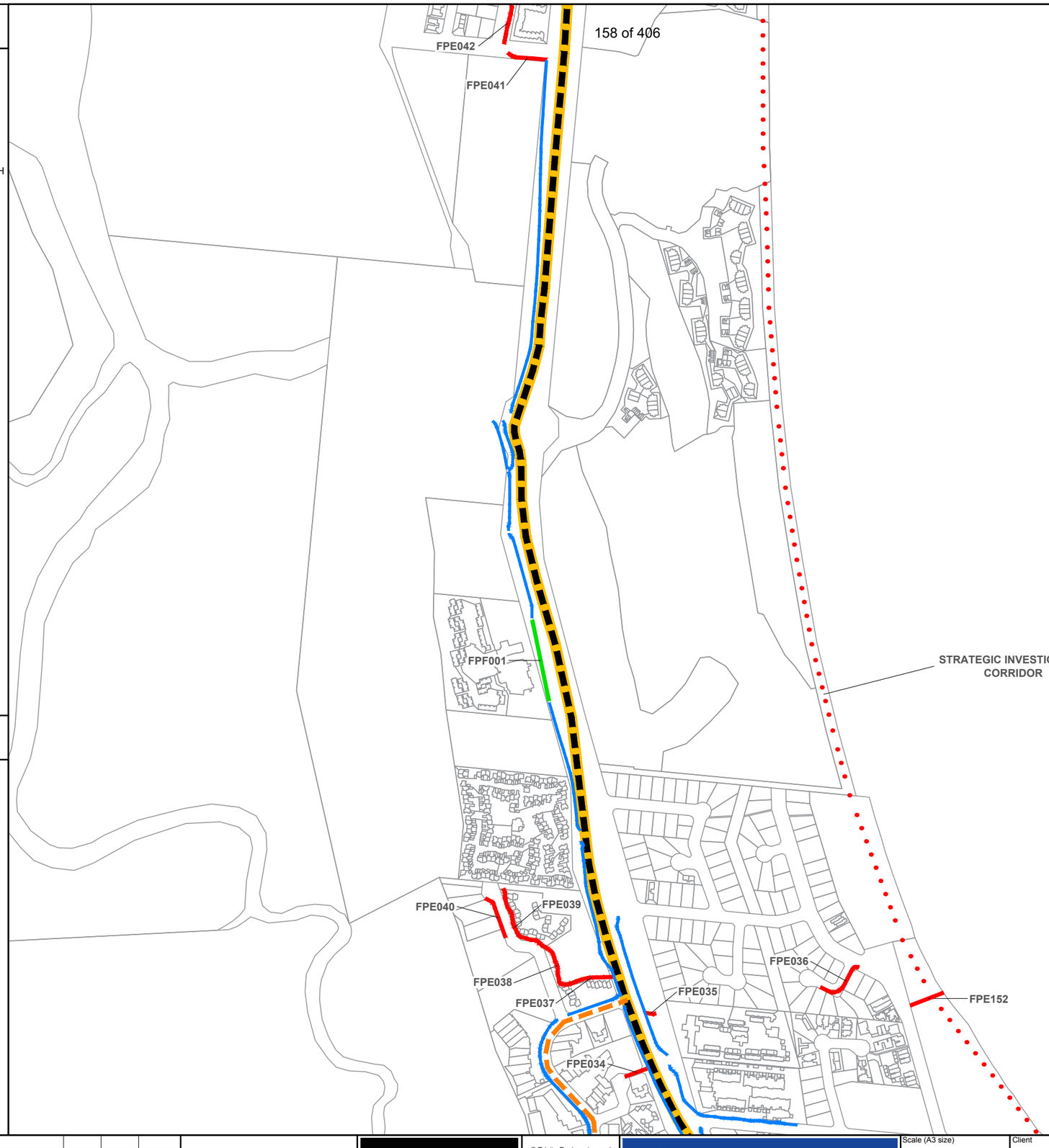
TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

- SCR ROADS
- LOCAL TRUNK ROADS INFRASTRUCTURE (EXISTING)
- LOCAL TRUNK ROADS INFRASTRUCTURE (FUTURE)
- POTENTIAL FUTURE TRANSPORT CORRIDOR

N

KEY MAP





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Revisions				
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

GRID: 14

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Scale (A3 size)	1:7500
	Drawing is not to be used for construction unless approved.
Client	DOUGLAS SHIRE COUNCIL
Project	1100 DOUGLAS SHIRE COUNCIL LGIP
Title	TRUNK PATH INFRASTRUCTURE - GRID 14

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-416	C

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External References: TEC-TITLE-A3_a.dwg

LEGEND

TRUNK PATH INFRASTRUCTURE

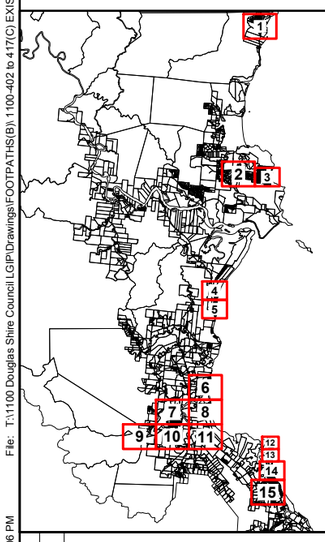
- TRUNK PATH (EXISTING)
- TRUNK PATH (FUTURE)
- EXISTING PATHS ASSOCIATED WITH TRUNK ROADS INFRASTRUCTURE
- STRATEGIC INVESTIGATION CORRIDOR
- FAR NORTH QUEENSLAND PRINCIPAL CYCLE NETWORK
- AREAS UNDER INVESTIGATION
- PEDESTRIAN BRIDGE (FUTURE)

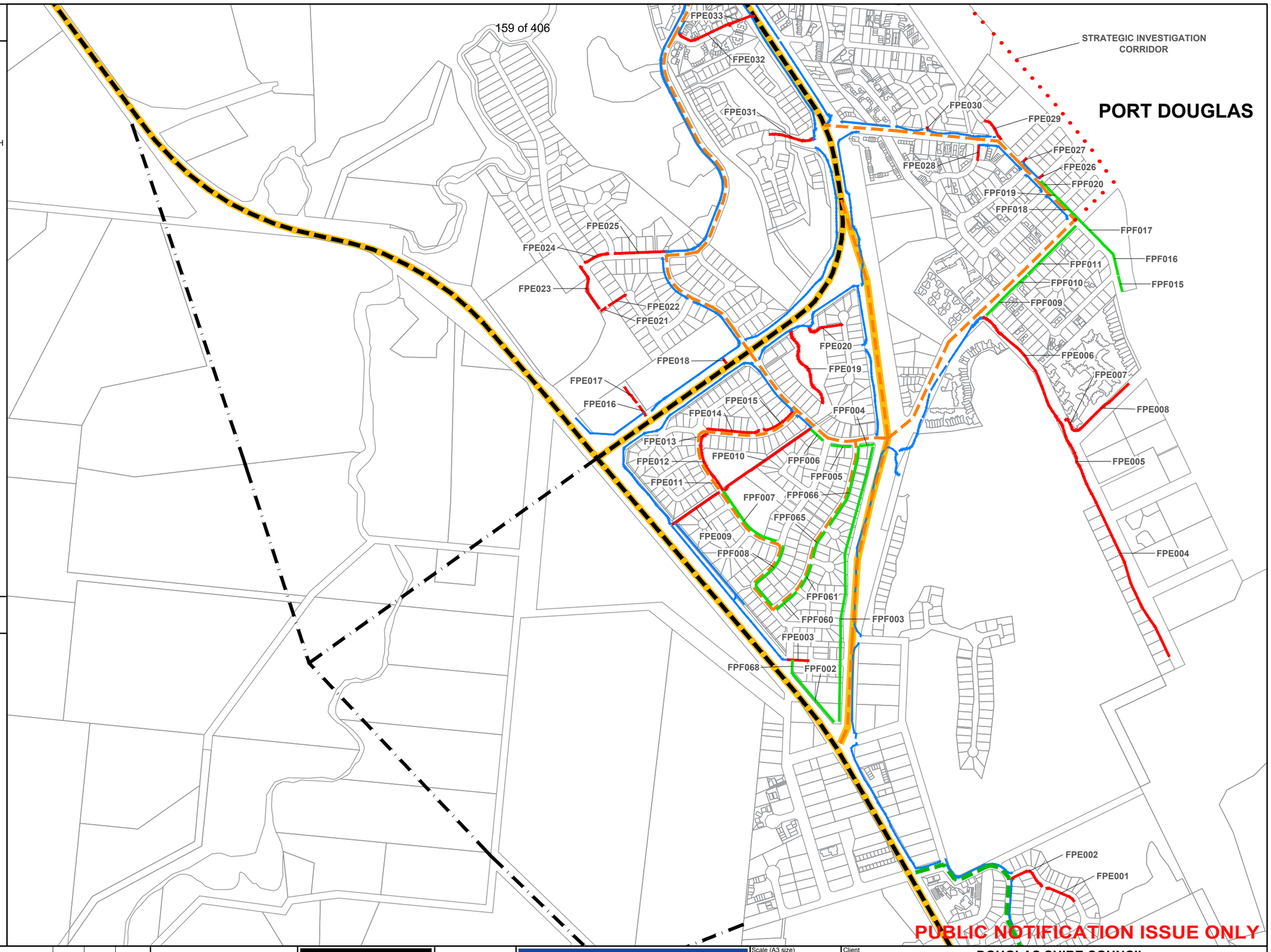
TRANSPORT (ROADS) TRUNK INFRASTRUCTURE

- SCR ROADS
- LOCAL TRUNK ROADS INFRASTRUCTURE (EXISTING)
- LOCAL TRUNK ROADS INFRASTRUCTURE (FUTURE)
- POTENTIAL FUTURE TRANSPORT CORRIDOR

N

KEY MAP





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Revisions					
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Scale (A3 size)	Client	
1:10000	DOUGLAS SHIRE COUNCIL	
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	Title: TRUNK PATH INFRASTRUCTURE - GRID 15	

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-417	C

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External References: TEC-TITLE-A3_a.dwg

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LOCAL GOVERNMENT INFRASTRUCTURE PLANS (STORMWATER TRUNK INFRASTRUCTURE)

for

DOUGLAS SHIRE COUNCIL

SCHEDULE OF PROJECT DRAWINGS

1100–500	DRAWING INDEX
1100–501	STORMWATER INFRASTRUCTURE SUPPLY CHARGES CATCHMENT AREAS
1100–501	FUTURE STORMWATER INFRASTRUCTURE

PUBLIC NOTIFICATION ISSUE ONLY

LEGEND

STORMWATER INFRASTRUCTURE SUPPLY CHARGES CATCHMENT AREAS

DOUGLAS SHIRE (SW1)

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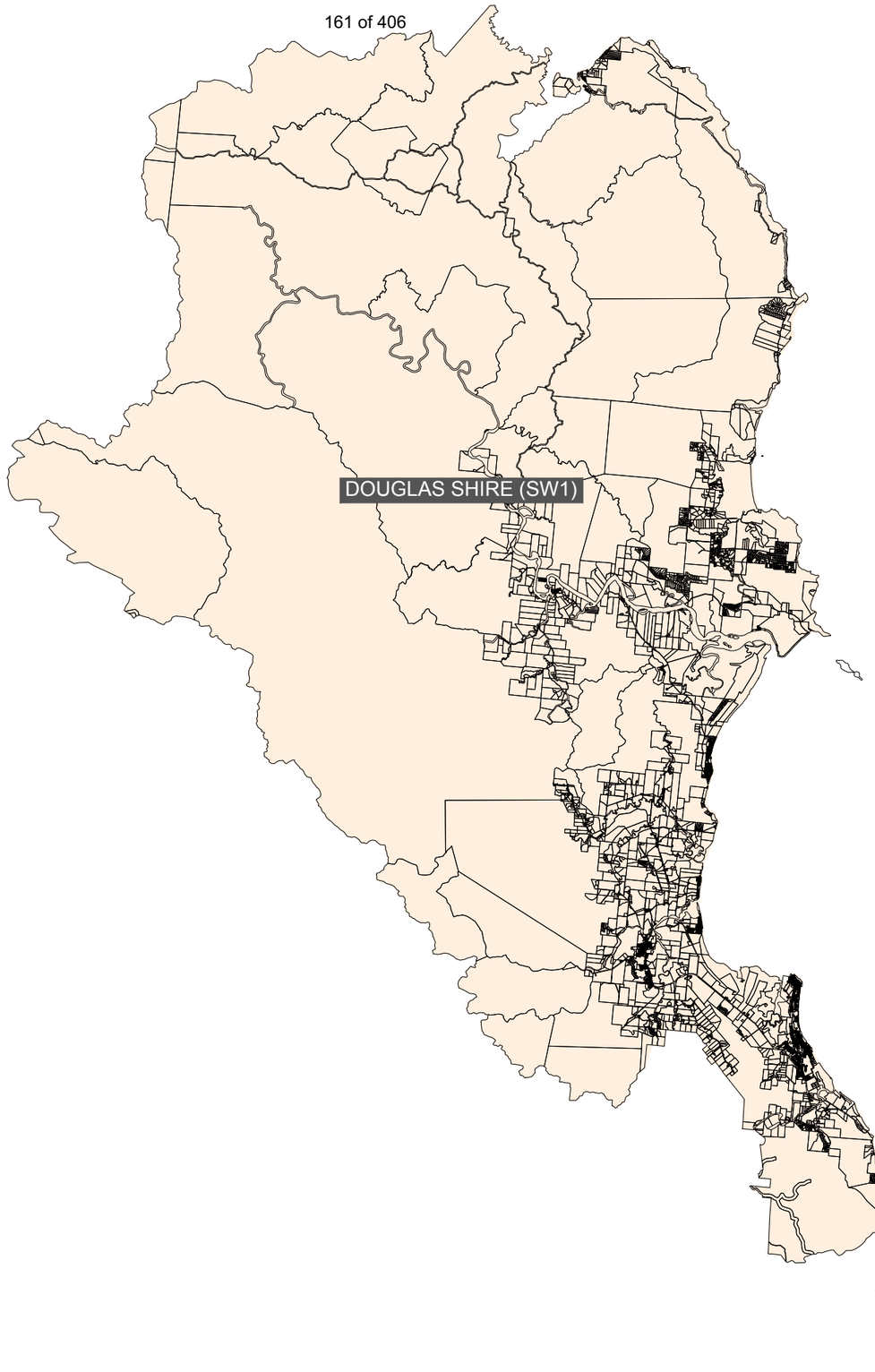

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NOT TO SCALE	IM	RR	RR	RR	R RANKINE		23/03/18	1100-501	C

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Client: DOUGLAS SHIRE COUNCIL

Project: 1100 DOUGLAS SHIRE COUNCIL LGIP

Title: STORMWATER INFRASTRUCTURE SUPPLY CHARGES CATCHMENTS AREAS

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External References: TEC-TITLE-A3_a.dwg

LEGEND

FUTURE STORMWATER INFRASTRUCTURE

FUTURE STORMWATER AREAS

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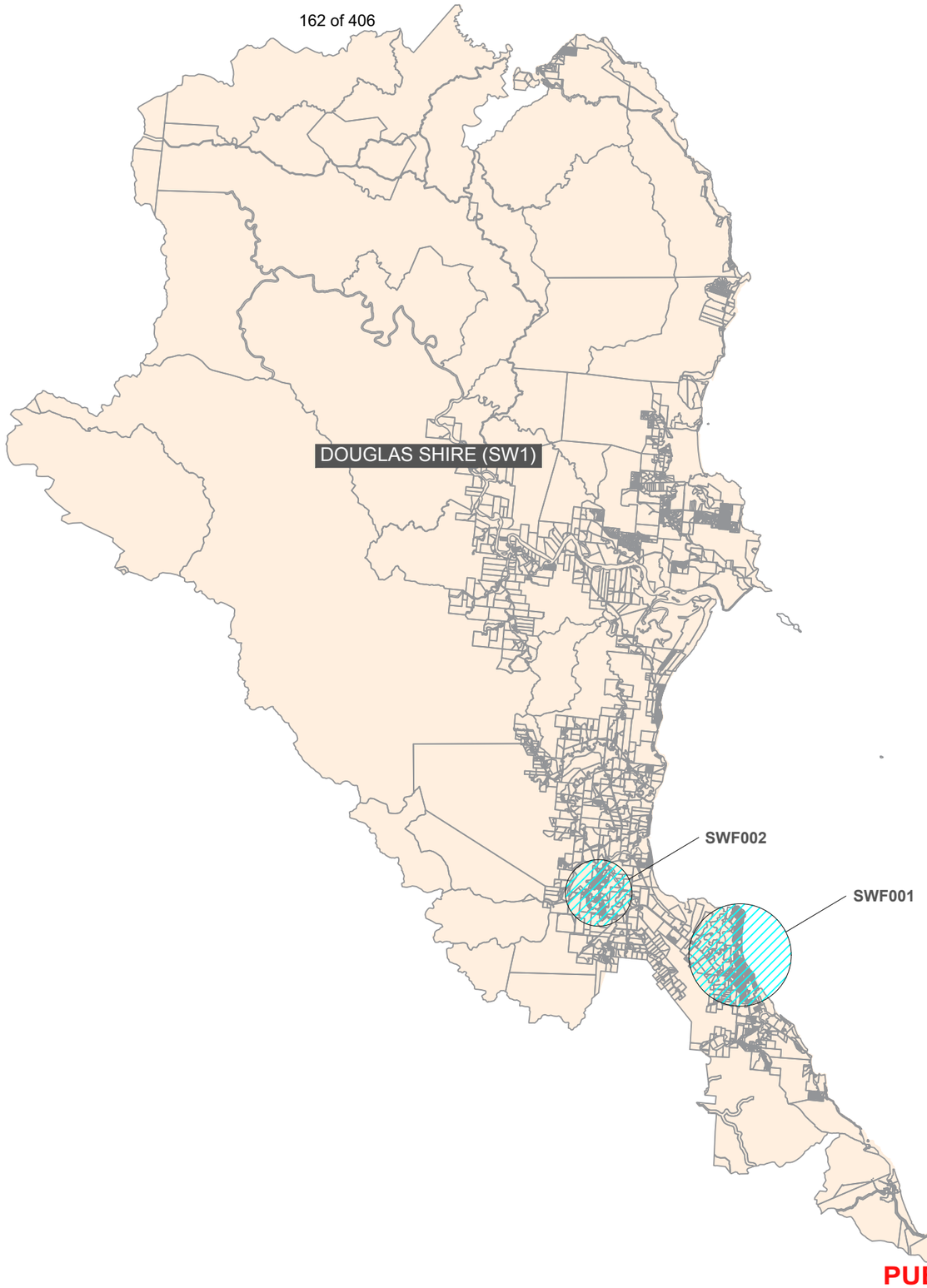

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Scale (A3 size): NOT TO SCALE

Drawing is not to be used for construction unless approved.

Client: DOUGLAS SHIRE COUNCIL

Project: 1100 DOUGLAS SHIRE COUNCIL LGIP

Title: FUTURE STORMWATER INFRASTRUCTURE

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-502	C

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File: T:\1100 Douglas Shire Council LGIP\Drawings\STORMWATER(C)\ 1100-502(C) FUTURE STORMWATER INFRASTRUCTURE.dwg

External References: TEC-TITLE-A3_a.dwg

LOCAL GOVERNMENT INFRASTRUCTURE PLANS (PARKS AND RESERVES TRUNK INFRASTRUCTURE)

for

DOUGLAS SHIRE COUNCIL

SCHEDULE OF PROJECT DRAWINGS

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External References:

LEGEND

Attachment 1.1

PUBLIC PARKS AND LAND FOR COMMUNITY (PPLC) FACILITIES CHARGES CATCHMENTS

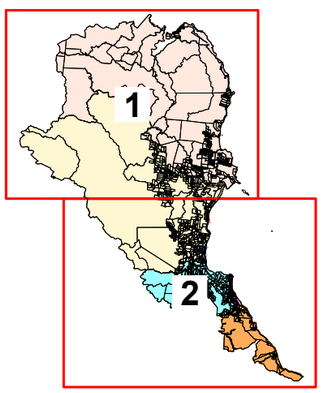
- PORT DOUGLAS (PPLC1)
- MOSSMAN (PPLC2)
- COOYA BEACH (PPLC3)
- NEWELL BEACH (PPLC4)
- WONGA BEACH (PPLC5)
- RURAL AREA - SOUTH OF MOWBRAY RIVER (PPLC6)
- RURAL AREA - MOWBRAY RIVER TO MOSSMAN RIVER (PPLC7)
- RURAL AREA - MOSSMAN RIVER TO DAINTREE RIVER (PPLC8)
- RURAL AREA - NORTH OF DAINTREE RIVER (PPLC9)

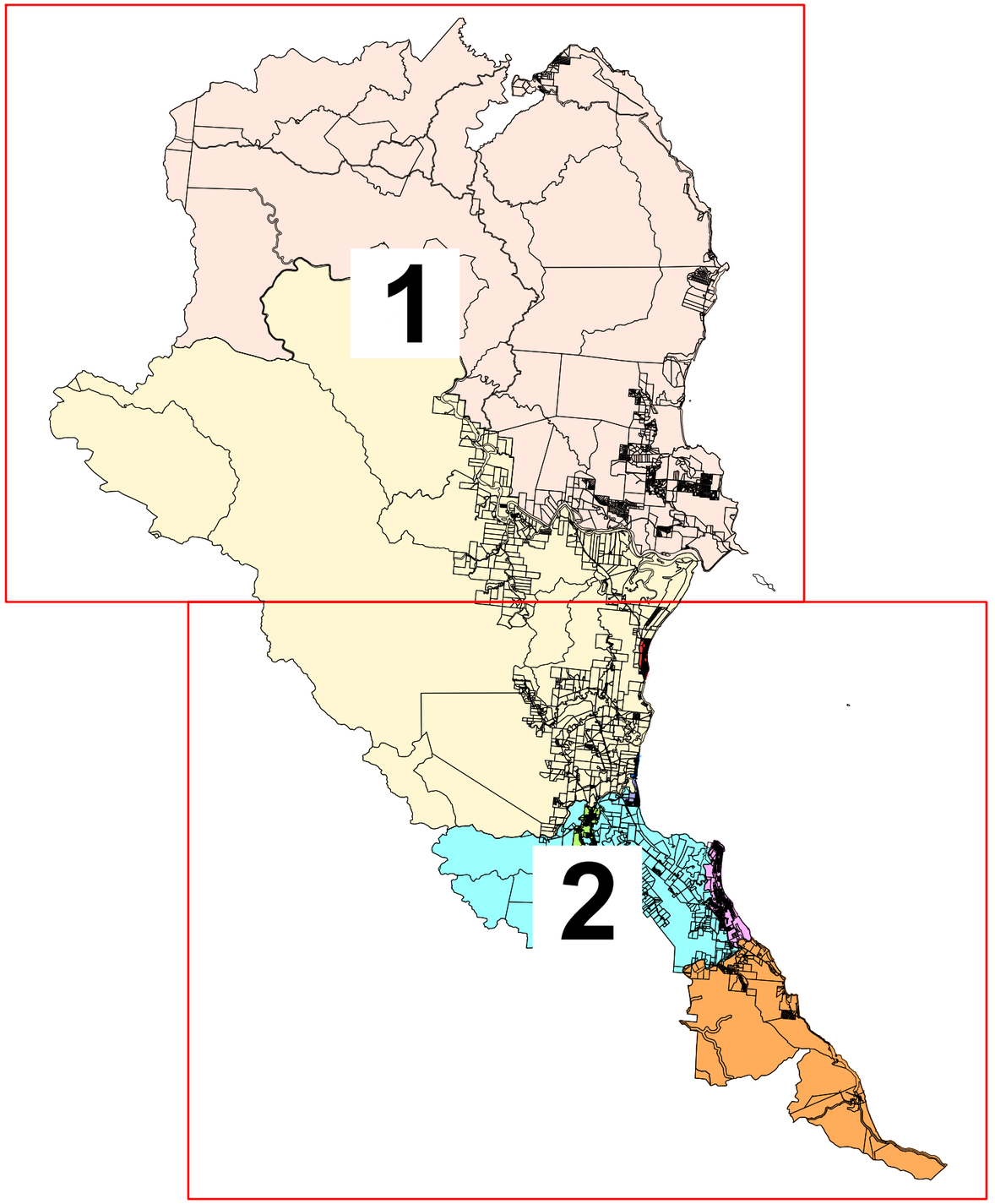
GENERAL

- PROPERTY BOUNDARY

N

KEY MAP





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File: T:\1100 Douglas Shire Council LGIP\Drawings\PARKS(C)\ 1100-601 to 603(C) PPLC CATCHMENT AREAS.dwg

External References: TEC-TITLE-A3_a.dwg

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Scale (A3 size): NOT TO SCALE

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Client: DOUGLAS SHIRE COUNCIL

Project: 1100 DOUGLAS SHIRE COUNCIL LGIP

Title: PPLC CHARGES CATCHMENT AREAS KEY MAP

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-601	C

LEGEND

PUBLIC PARKS AND LAND FOR COMMUNITY (PPLC) FACILITIES CHARGES CATCHMENTS

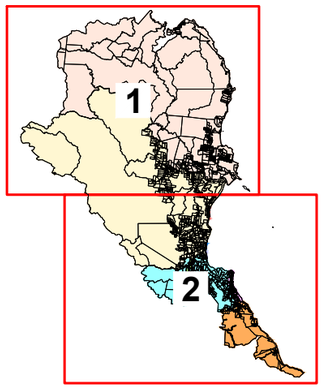
- PORT DOUGLAS (PPLC1)
- MOSSMAN (PPLC2)
- COOYA BEACH (PPLC3)
- NEWELL BEACH (PPLC4)
- WONGA BEACH (PPLC5)
- RURAL AREA - SOUTH OF MOWBRAY RIVER (PPLC6)
- RURAL AREA - MOWBRAY RIVER TO MOSSMAN RIVER (PPLC7)
- RURAL AREA - MOSSMAN RIVER TO DAINTREE RIVER (PPLC8)
- RURAL AREA - NORTH OF DAINTREE RIVER (PPLC9)

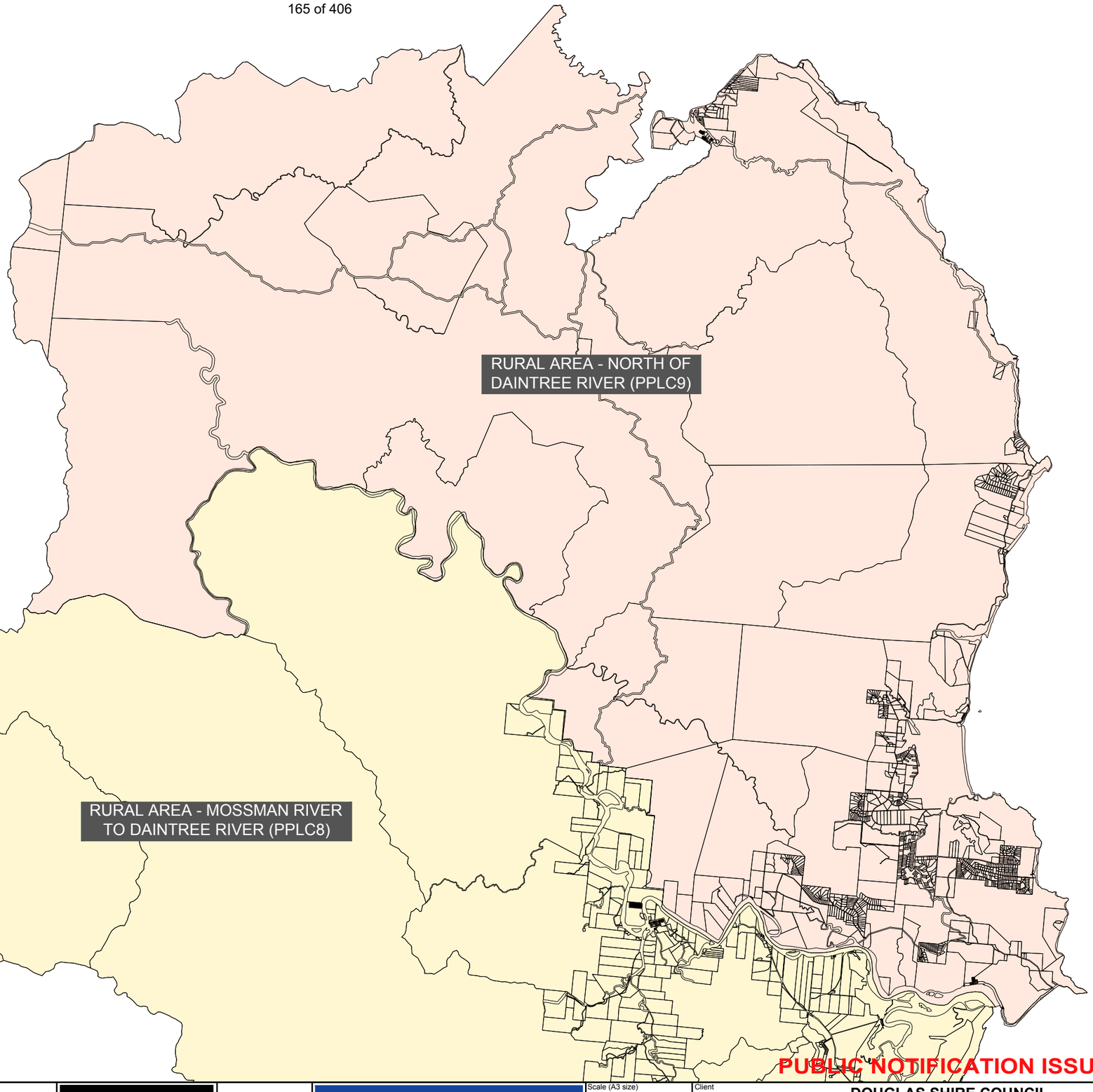
GENERAL

- PROPERTY BOUNDARY

N

KEY MAP





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Revisions					
No.	Description	Reviewed	Approved	Date	
A	ISSUED FOR REVIEW				

GRID: 1

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Client: DOUGLAS SHIRE COUNCIL
Project: 1100 DOUGLAS SHIRE COUNCIL LGIP
Title: PPLC CHARGES CATCHMENT AREAS - GRID 1

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-602	C

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External References: TEC-TITLE-A3_a.dwg

LEGEND

PUBLIC PARKS AND LAND FOR COMMUNITY (PPLC) FACILITIES CHARGES CATCHMENTS

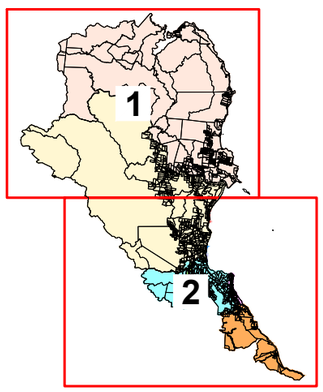
- PORT DOUGLAS (PPLC1)
- MOSSMAN (PPLC2)
- COOYA BEACH (PPLC3)
- NEWELL BEACH (PPLC4)
- WONGA BEACH (PPLC5)
- RURAL AREA - SOUTH OF MOWBRAY RIVER (PPLC6)
- RURAL AREA - MOWBRAY RIVER TO MOSSMAN RIVER (PPLC7)
- RURAL AREA - MOSSMAN RIVER TO DAINTREE RIVER (PPLC8)
- RURAL AREA - NORTH OF DAINTREE RIVER (PPLC9)

GENERAL

- PROPERTY BOUNDARY

N

KEY MAP



RURAL AREA - MOSSMAN RIVER TO DAINTREE RIVER (PPLC8)

WONGA BEACH (PPLC5)

NEWELL BEACH (PPLC4)

COOYA BEACH (PPLC3)

RURAL AREA - MOWBRAY RIVER TO MOSSMAN RIVER (PPLC7)

PORT DOUGLAS (PPLC1)

RURAL AREA - SOUTH OF MOWBRAY RIVER (PPLC6)

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Revisions					
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	Drawing is not to be used for construction unless approved.
Client	DOUGLAS SHIRE COUNCIL
Project	1100 DOUGLAS SHIRE COUNCIL LGIP
Title	PPLC CHARGES CATCHMENT AREAS - GRID 2

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-603	C

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File: T:\1100 Douglas Shire Council LGIP\Drawings\PARKS(C)\ 1100-601 to 603(C) PPLC CATCHMENT AREAS.dwg
External References: TEC-TITLE-A3_a.dwg

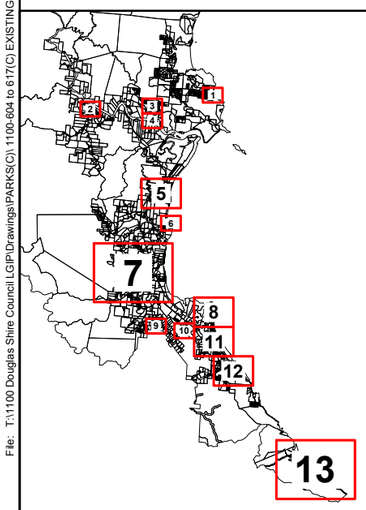
LEGEND

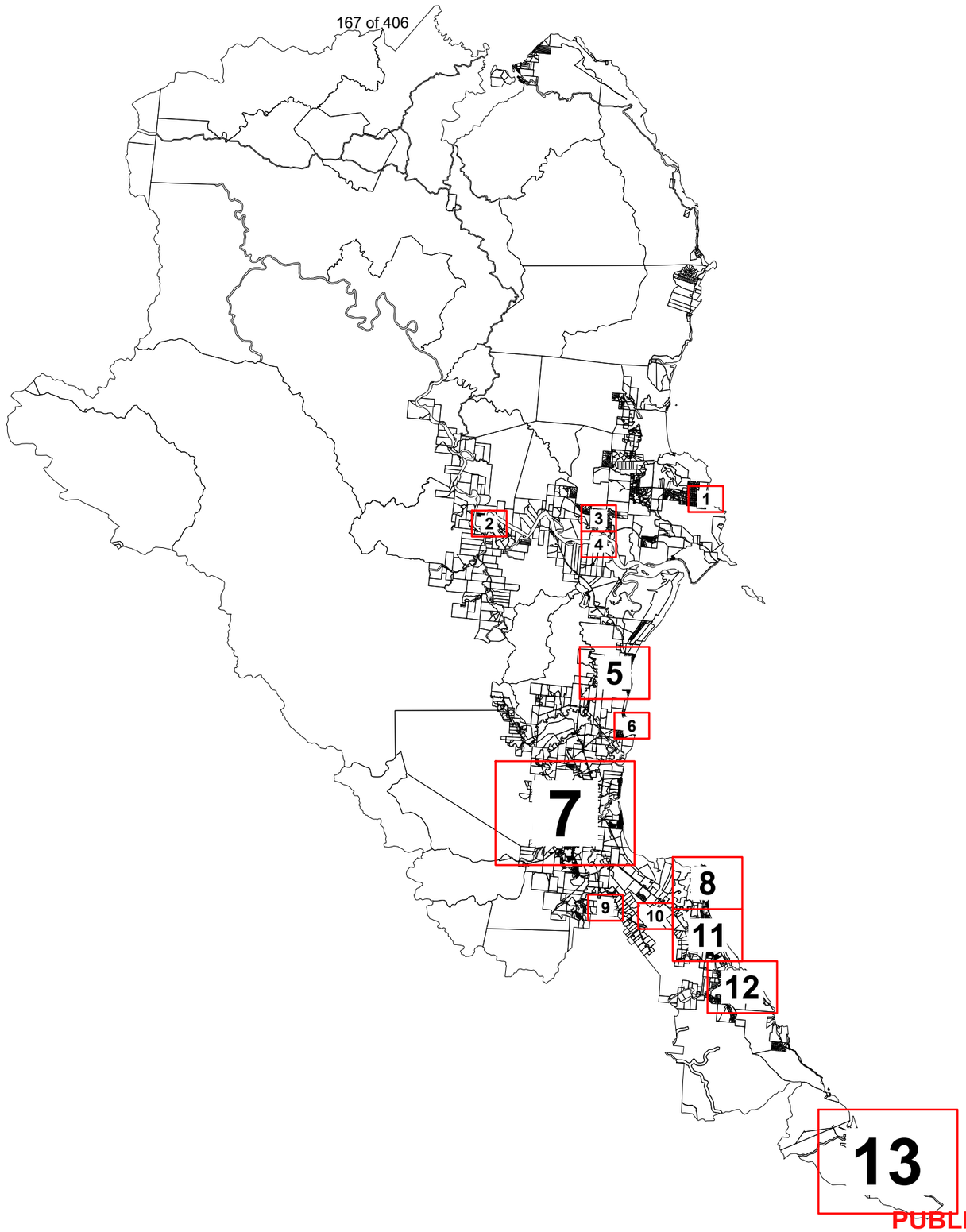
PUBLIC PARKS AND LAND FOR COMMUNITY (PPLC) FACILITIES

- LOCAL RECREATION PARK
- DISTRICT RECREATION PARK
- DISTRICT SPORTS PARK
- LOCAL GOVT WIDE RECREATION PARK
- LOCAL GOVT WIDE SPORTS PARK
- COMMUNITY FACILITIES
- OTHER OPEN SPACE
- LAND FOR DRAINAGE PURPOSES
- CONSERVATION

N

KEY MAP





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External References: TEC-TITLE-A3_a.dwg

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Client: DOUGLAS SHIRE COUNCIL

Project: 1100 DOUGLAS SHIRE COUNCIL LGIP

Title: EXISTING PPLC TRUNK INFRASTRUCTURE KEY MAP

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-604	C

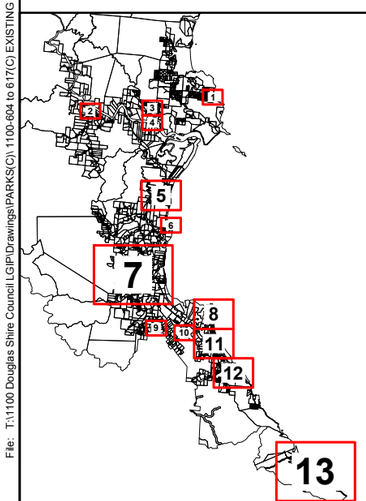
LEGEND

PUBLIC PARKS AND LAND FOR COMMUNITY (PPLC) FACILITIES

- LOCAL RECREATION PARK
- DISTRICT RECREATION PARK
- DISTRICT SPORTS PARK
- LOCAL GOVT WIDE RECREATION PARK
- LOCAL GOVT WIDE SPORTS PARK
- COMMUNITY FACILITIES
- OTHER OPEN SPACE
- LAND FOR DRAINAGE PURPOSES
- CONSERVATION

N

KEY MAP



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Revisions				
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

GRID: 1

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Email: admin@trinityengineering.com.au

Scale (A3 size)	Client	
1:7500	DOUGLAS SHIRE COUNCIL	
Drawing is not to be used for construction unless approved.	Project: 1100 DOUGLAS SHIRE COUNCIL LGIP	
	Title: EXISTING PPLC TRUNK INFRASTRUCTURE - GRID 1	

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-605	C

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File: T:\1100 Douglas Shire Council LGIP\Drawings\PARKS(C)\ 1100-604 to 617(C) EXISTING PARKS.dwg

External References: TEC-TITLE-A3_a.dwg

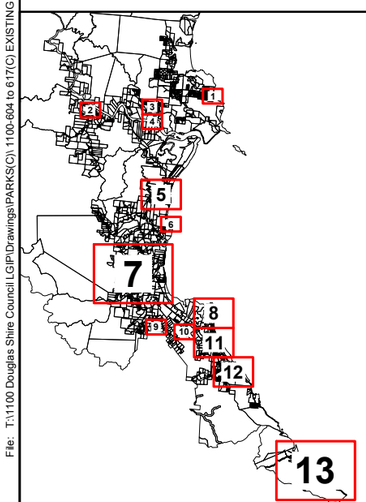
LEGEND

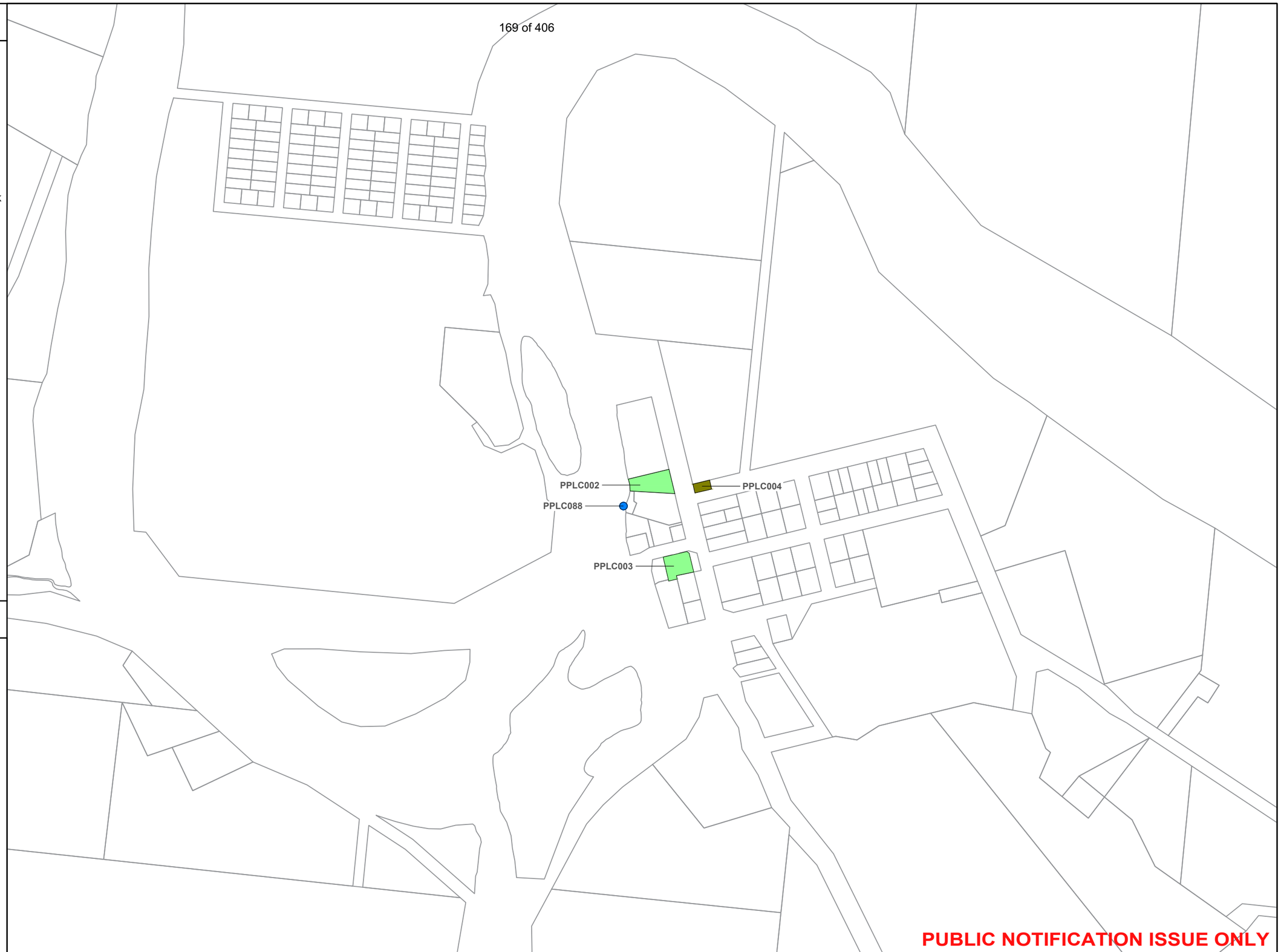
PUBLIC PARKS AND LAND FOR COMMUNITY (PPLC) FACILITIES

- LOCAL RECREATION PARK
- DISTRICT RECREATION PARK
- DISTRICT SPORTS PARK
- LOCAL GOVT WIDE RECREATION PARK
- LOCAL GOVT WIDE SPORTS PARK
- COMMUNITY FACILITIES
- OTHER OPEN SPACE
- LAND FOR DRAINAGE PURPOSES
- CONSERVATION

N

KEY MAP





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Revisions					
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

GRID: 2

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Scale (A3 size)	Client	
1:7500	DOUGLAS SHIRE COUNCIL	
Drawing is not to be used for construction unless approved.	Project	1100 DOUGLAS SHIRE COUNCIL LGIP
	Title	EXISTING PPLC TRUNK INFRASTRUCTURE - GRID 2

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-606	C

Printed: 23 March 2018, 11:47 AM
File: T:\1100 Douglas Shire Council LGIP\Drawings\PARKS(C)\ 1100-604 to 617(C) EXISTING PARKS.dwg
External References: TEC-TITLE-A3_a.dwg

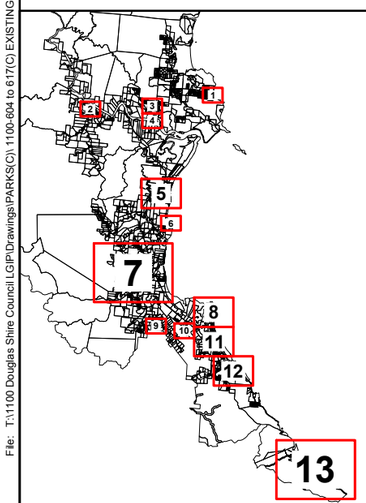
LEGEND

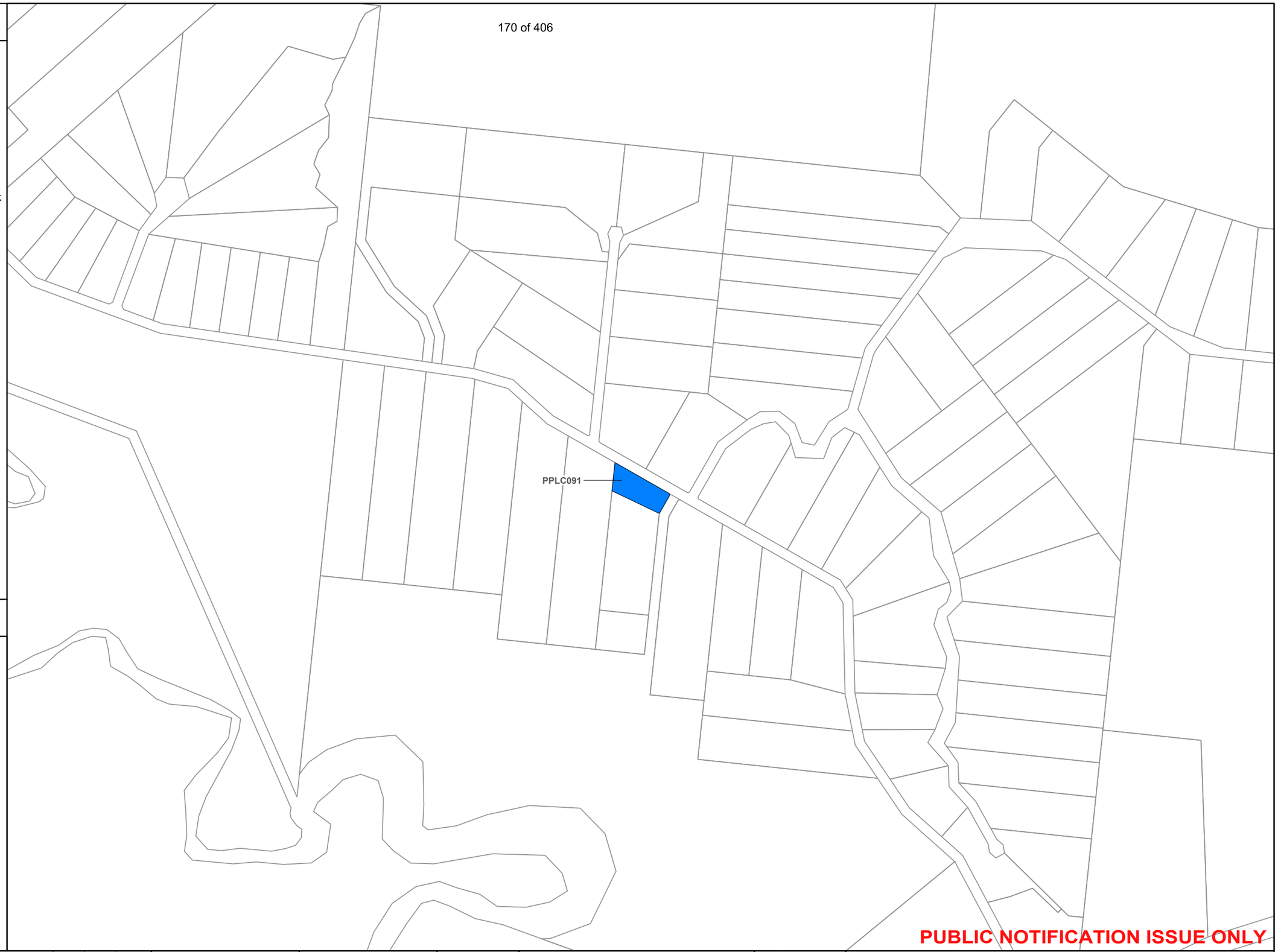
PUBLIC PARKS AND LAND FOR COMMUNITY (PPLC) FACILITIES

- LOCAL RECREATION PARK
- DISTRICT RECREATION PARK
- DISTRICT SPORTS PARK
- LOCAL GOVT WIDE RECREATION PARK
- LOCAL GOVT WIDE SPORTS PARK
- COMMUNITY FACILITIES
- OTHER OPEN SPACE
- LAND FOR DRAINAGE PURPOSES
- CONSERVATION

N

KEY MAP





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Revisions					
A	ISSUED FOR REVIEW				
No.	Description	Reviewed	Approved	Date	

GRID: 3

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Scale (A3 size)	Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
1:7500	IM	RR	RR	RR	R RANKINE		23/03/18	1100-607	C

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Client: DOUGLAS SHIRE COUNCIL

Project: 1100 DOUGLAS SHIRE COUNCIL LGIP

Title: EXISTING PPLC TRUNK INFRASTRUCTURE - GRID 3

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External References: TEC-TITLE-A3_a.dwg

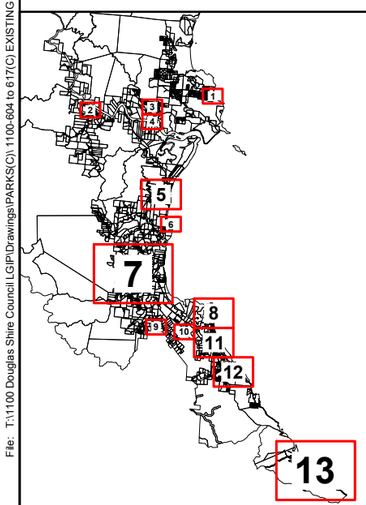
LEGEND

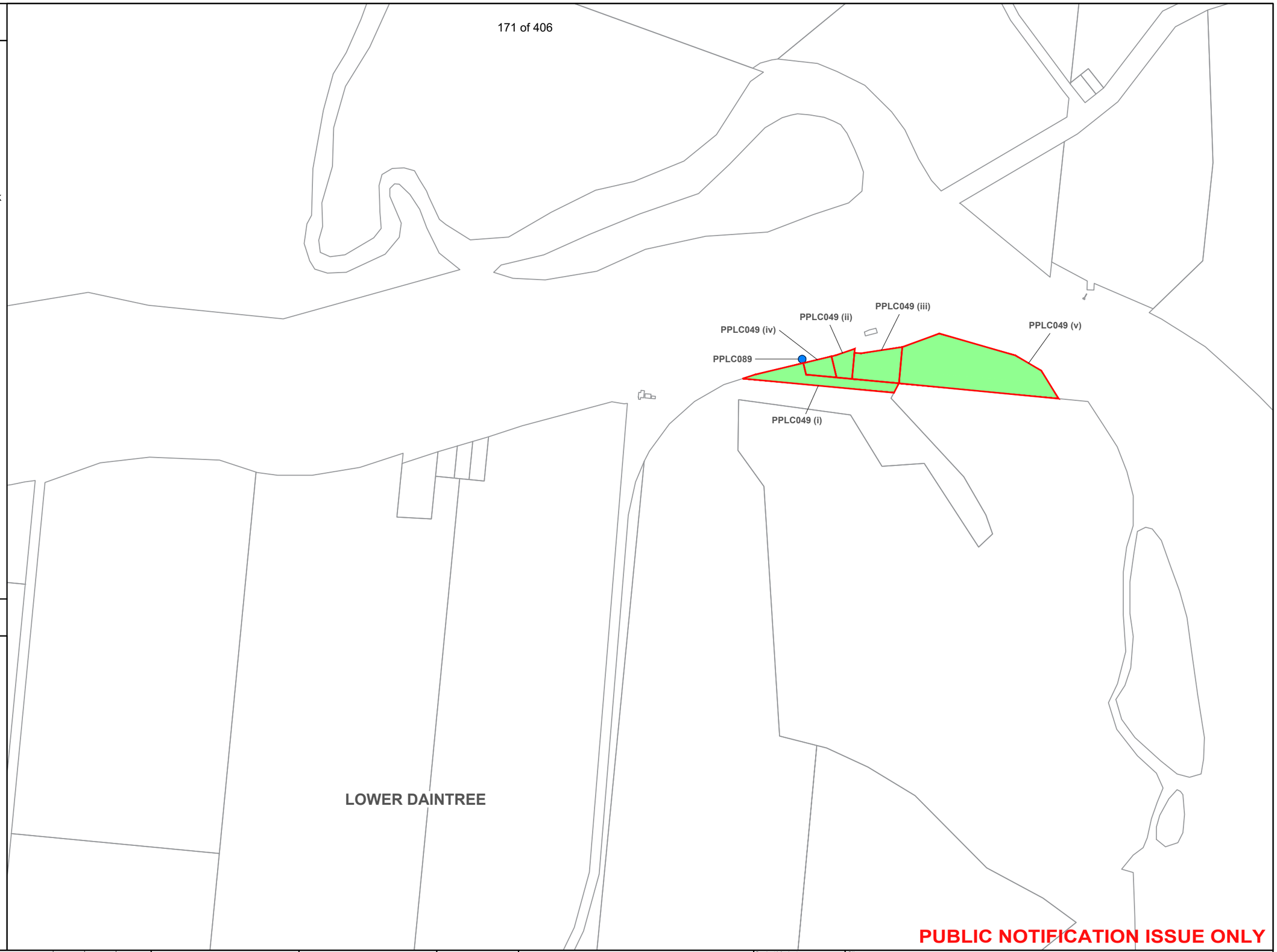
PUBLIC PARKS AND LAND FOR COMMUNITY (PPLC) FACILITIES

- LOCAL RECREATION PARK
- DISTRICT RECREATION PARK
- DISTRICT SPORTS PARK
- LOCAL GOVT WIDE RECREATION PARK
- LOCAL GOVT WIDE SPORTS PARK
- COMMUNITY FACILITIES
- OTHER OPEN SPACE
- LAND FOR DRAINAGE PURPOSES
- CONSERVATION

N

KEY MAP





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Revisions					
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

GRID: 4

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Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-608	C

Client: DOUGLAS SHIRE COUNCIL

Project: 1100 DOUGLAS SHIRE COUNCIL LGIP

Title: EXISTING PPLC TRUNK INFRASTRUCTURE - GRID 4

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External References: TEC-TITLE-A3_a.dwg

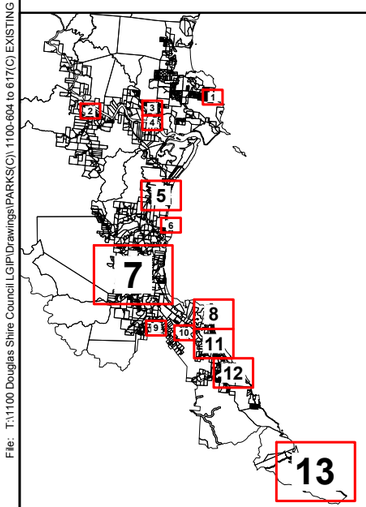
LEGEND

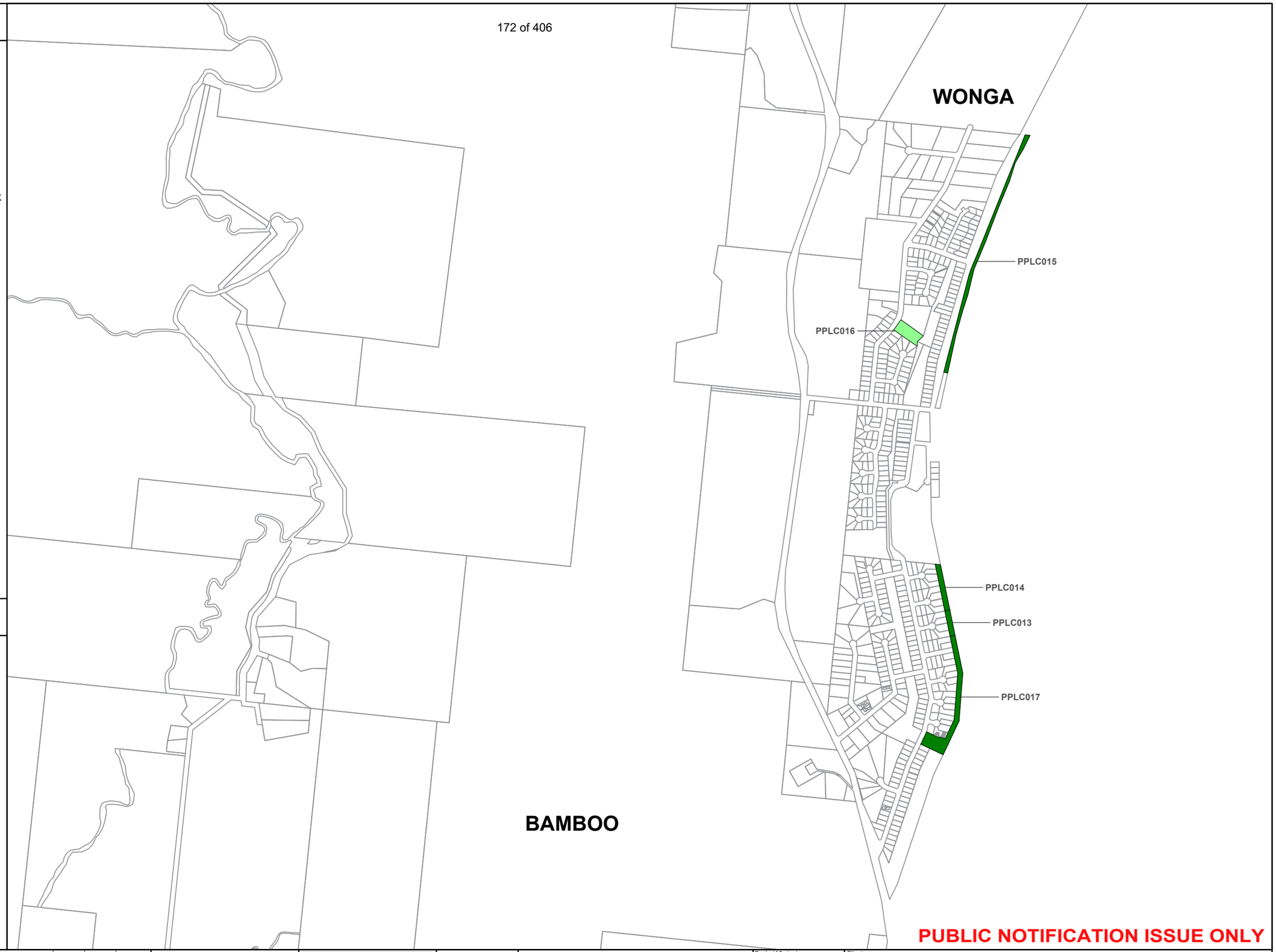
PUBLIC PARKS AND LAND FOR COMMUNITY (PPLC) FACILITIES

- LOCAL RECREATION PARK
- DISTRICT RECREATION PARK
- DISTRICT SPORTS PARK
- LOCAL GOVT WIDE RECREATION PARK
- LOCAL GOVT WIDE SPORTS PARK
- COMMUNITY FACILITIES
- OTHER OPEN SPACE
- LAND FOR DRAINAGE PURPOSES
- CONSERVATION

N

KEY MAP





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Revisions No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

GRID: 5

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Scale (A3 size)	Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
1:15000	IM	RR	RR	RR	R RANKINE		23/03/18	1100-609	C

Drawing is not to be used for construction unless approved.

Client: DOUGLAS SHIRE COUNCIL
Project: 1100 DOUGLAS SHIRE COUNCIL LGIP
Title: EXISTING PPLC TRUNK INFRASTRUCTURE - GRID 5

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File: T:\1100 Douglas Shire Council LGIP\Drawings\PARKS(C)\ 1100-604 to 617(C) EXISTING PARKS.dwg

External References: TEC-TITLE-A3_a.dwg

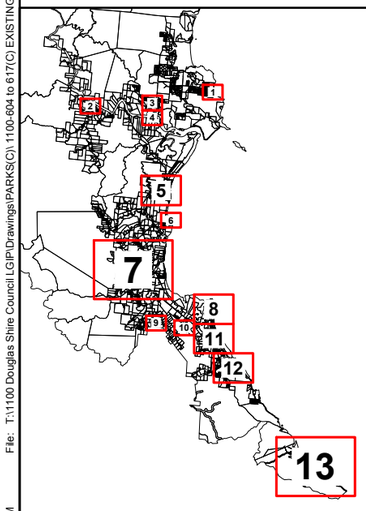
LEGEND

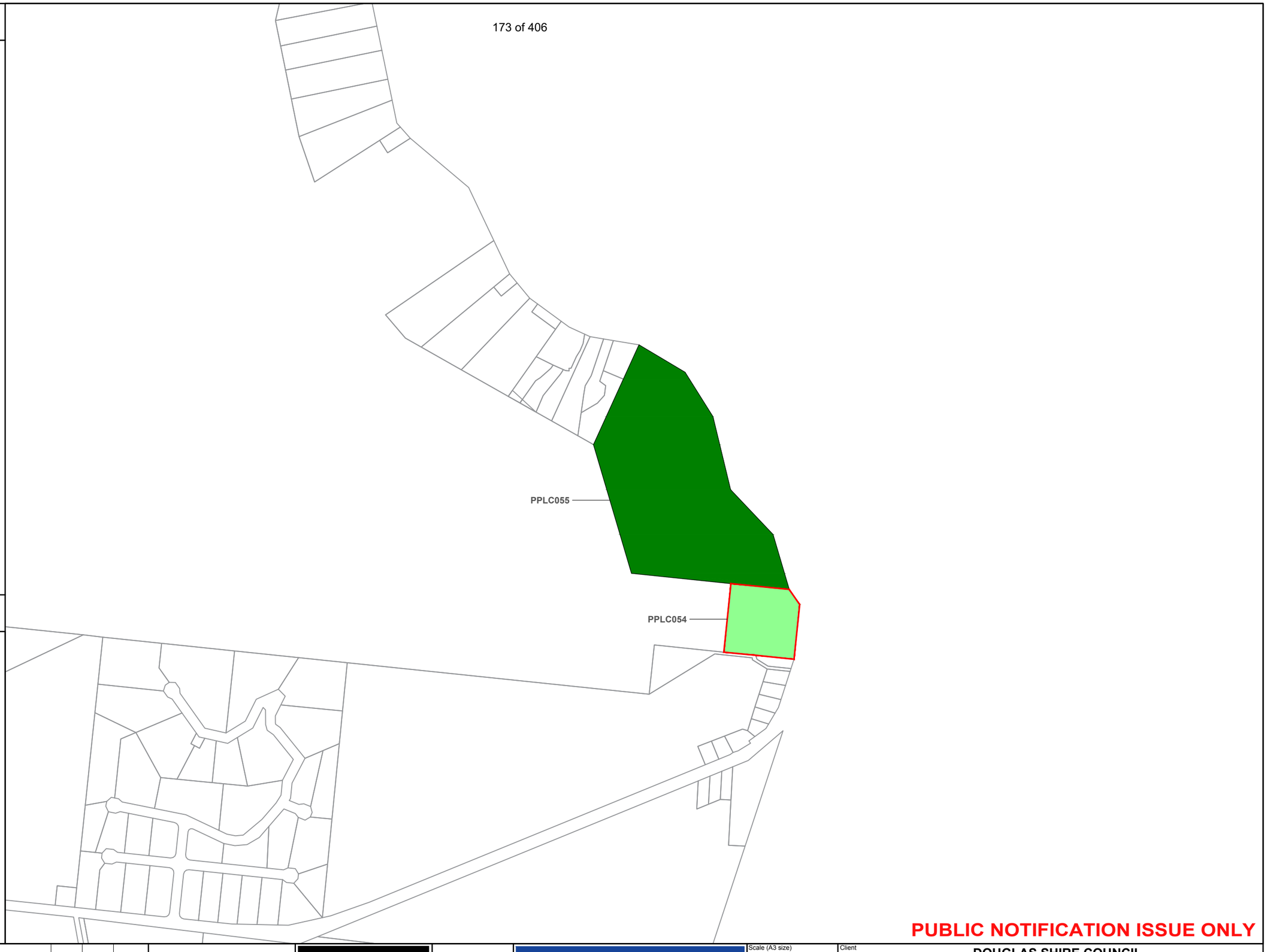
PUBLIC PARKS AND LAND FOR COMMUNITY (PPLC) FACILITIES

- LOCAL RECREATION PARK
- DISTRICT RECREATION PARK
- DISTRICT SPORTS PARK
- LOCAL GOVT WIDE RECREATION PARK
- LOCAL GOVT WIDE SPORTS PARK
- COMMUNITY FACILITIES
- OTHER OPEN SPACE
- LAND FOR DRAINAGE PURPOSES
- CONSERVATION

N

KEY MAP





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A	ISSUED FOR REVIEW			

GRID: 6

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Scale (A3 size): 1:7500

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Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-610	C

Client: DOUGLAS SHIRE COUNCIL

Project: 1100 DOUGLAS SHIRE COUNCIL LGIP

Title: EXISTING PPLC TRUNK INFRASTRUCTURE - GRID 6

External References: TEC-TITLE-A3_a.dwg

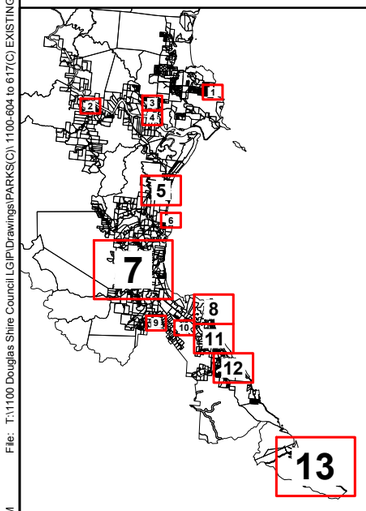
LEGEND

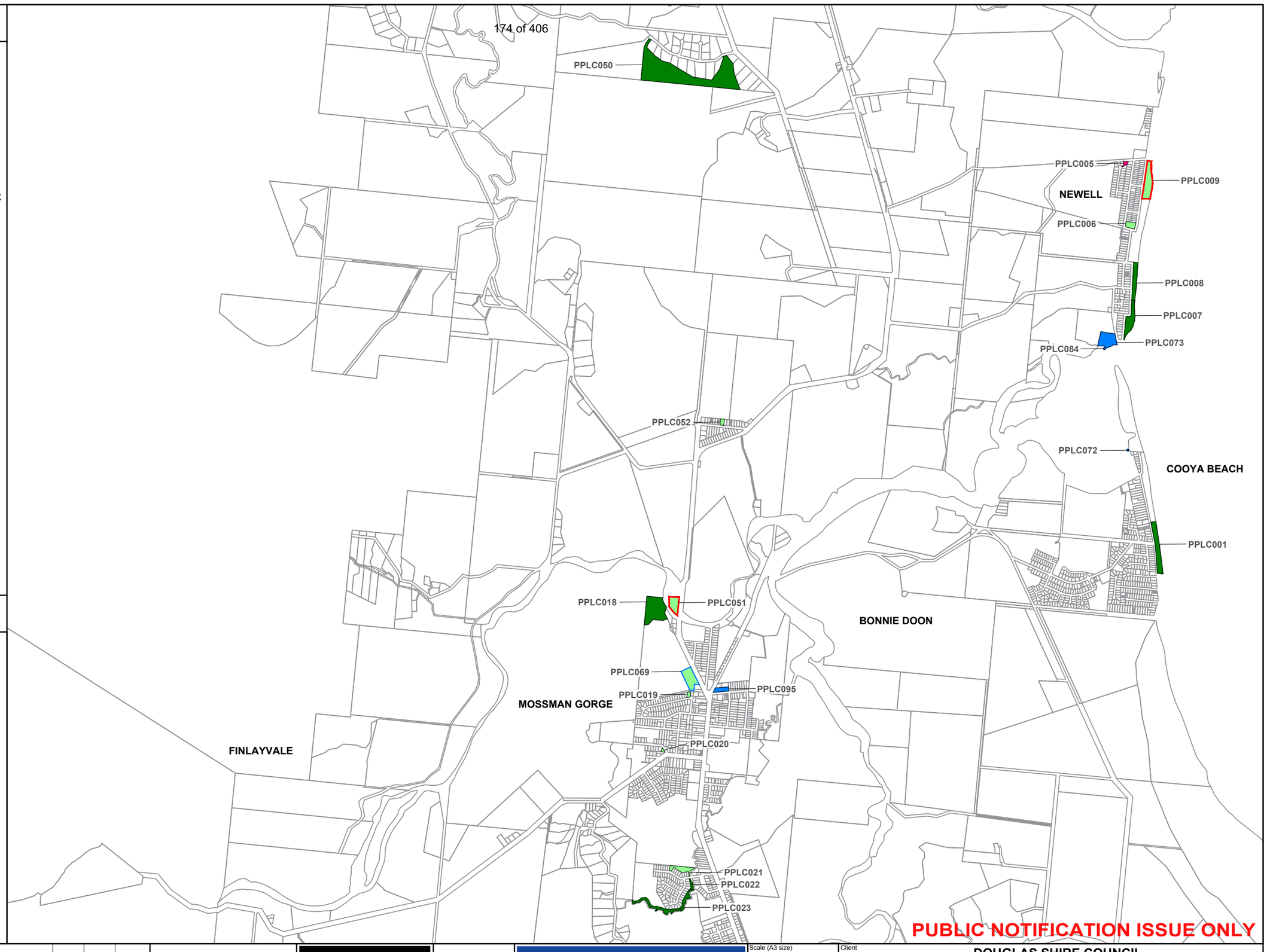
PUBLIC PARKS AND LAND FOR COMMUNITY (PPLC) FACILITIES

- LOCAL RECREATION PARK
- DISTRICT RECREATION PARK
- DISTRICT SPORTS PARK
- LOCAL GOVT WIDE RECREATION PARK
- LOCAL GOVT WIDE SPORTS PARK
- COMMUNITY FACILITIES
- OTHER OPEN SPACE
- LAND FOR DRAINAGE PURPOSES
- CONSERVATION

N

KEY MAP





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Printed: 23 March 2018, 11:48 AM

Revisions				
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

GRID: 7

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Scale (A3 size): 1:30000

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Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date
IM	RR	RR	RR	R RANKINE		23/03/18

Client: DOUGLAS SHIRE COUNCIL
Project: 1100 DOUGLAS SHIRE COUNCIL LGIP
Title: EXISTING PPLC TRUNK INFRASTRUCTURE - GRID 7
Drawing No.: 1100-611
Revision: C

External References: TEC-TITLE-A3_a.dwg

LEGEND

PUBLIC PARKS AND LAND FOR COMMUNITY (PPLC) FACILITIES

- LOCAL RECREATION PARK
- DISTRICT RECREATION PARK
- DISTRICT SPORTS PARK
- LOCAL GOVT WIDE RECREATION PARK
- LOCAL GOVT WIDE SPORTS PARK
- COMMUNITY FACILITIES
- OTHER OPEN SPACE
- LAND FOR DRAINAGE PURPOSES
- CONSERVATION

N

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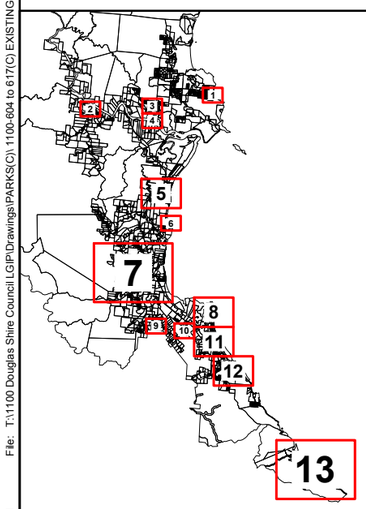

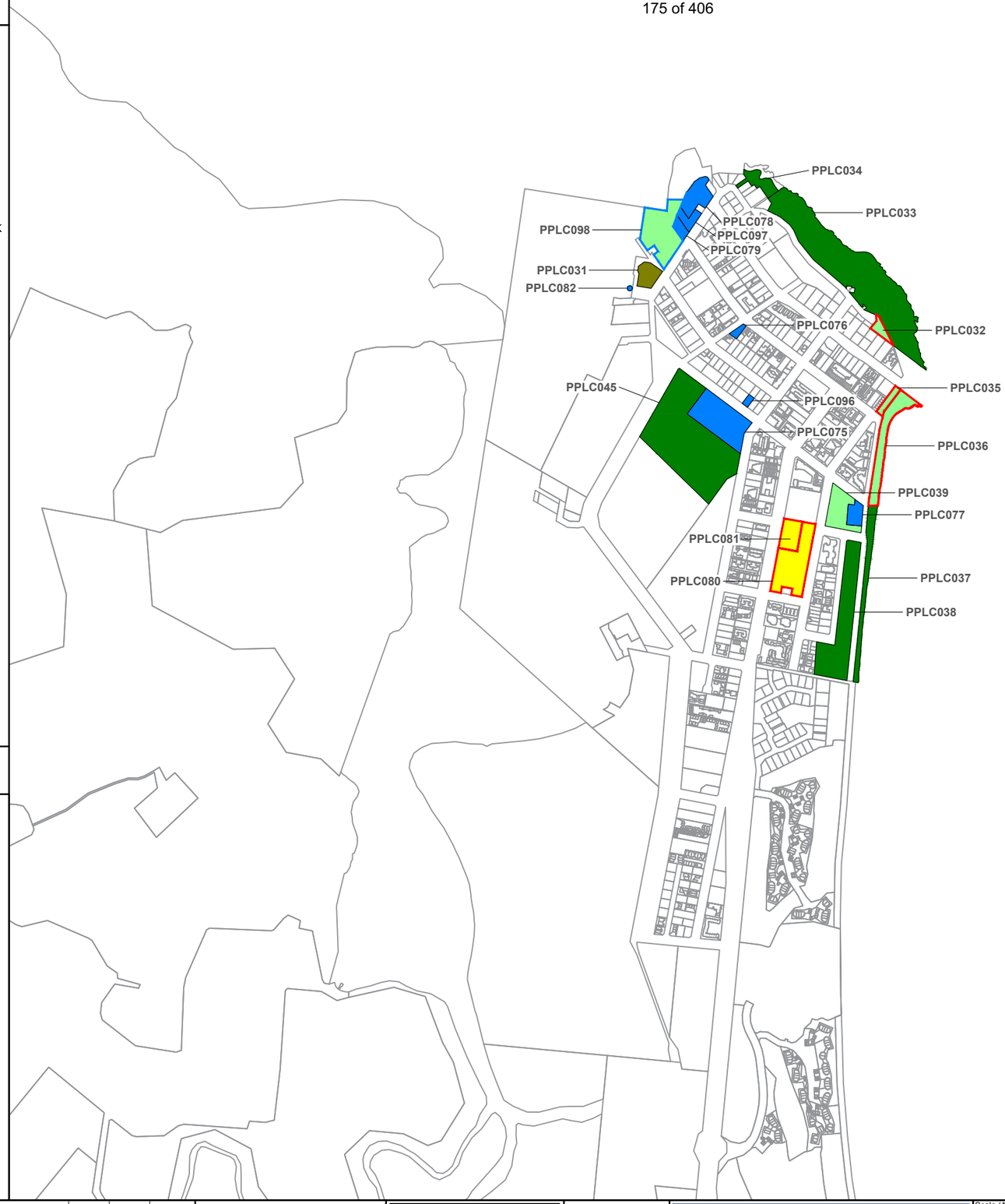

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1:15000	IM	RR	RR	RR	R RANKINE		23/03/18	1100-612	C

Drawing is not to be used for construction unless approved.

Client: DOUGLAS SHIRE COUNCIL
Project: 1100 DOUGLAS SHIRE COUNCIL LGIP
Title: EXISTING PPLC TRUNK INFRASTRUCTURE - GRID 8

External References: TEC-TITLE-A3_a.dwg

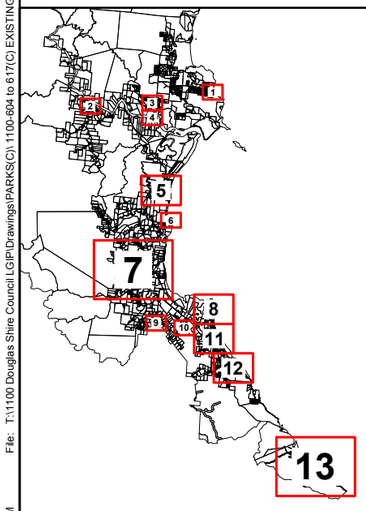
LEGEND

PUBLIC PARKS AND LAND FOR COMMUNITY (PPLC) FACILITIES

- LOCAL RECREATION PARK
- DISTRICT RECREATION PARK
- DISTRICT SPORTS PARK
- LOCAL GOVT WIDE RECREATION PARK
- LOCAL GOVT WIDE SPORTS PARK
- COMMUNITY FACILITIES
- OTHER OPEN SPACE
- LAND FOR DRAINAGE PURPOSES
- CONSERVATION

N

KEY MAP



PPLC083

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Revisions					
No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

GRID: 9

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Scale (A3 size)	Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
1:7500	IM	RR	RR	RR	R RANKINE		23/03/18	1100-613	C

Drawing is not to be used for construction unless approved.

Client: DOUGLAS SHIRE COUNCIL
Project: 1100 DOUGLAS SHIRE COUNCIL LGIP
Title: EXISTING PPLC TRUNK INFRASTRUCTURE - GRID 9

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External References: TEC-TITLE-A3_a.dwg

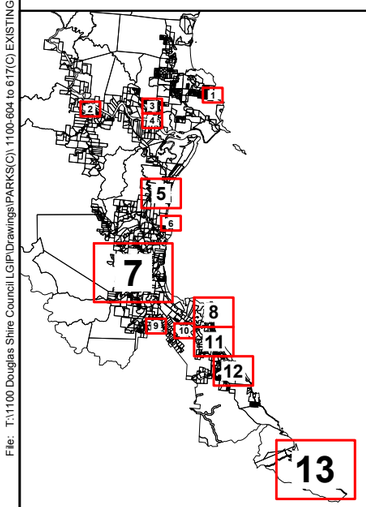
LEGEND

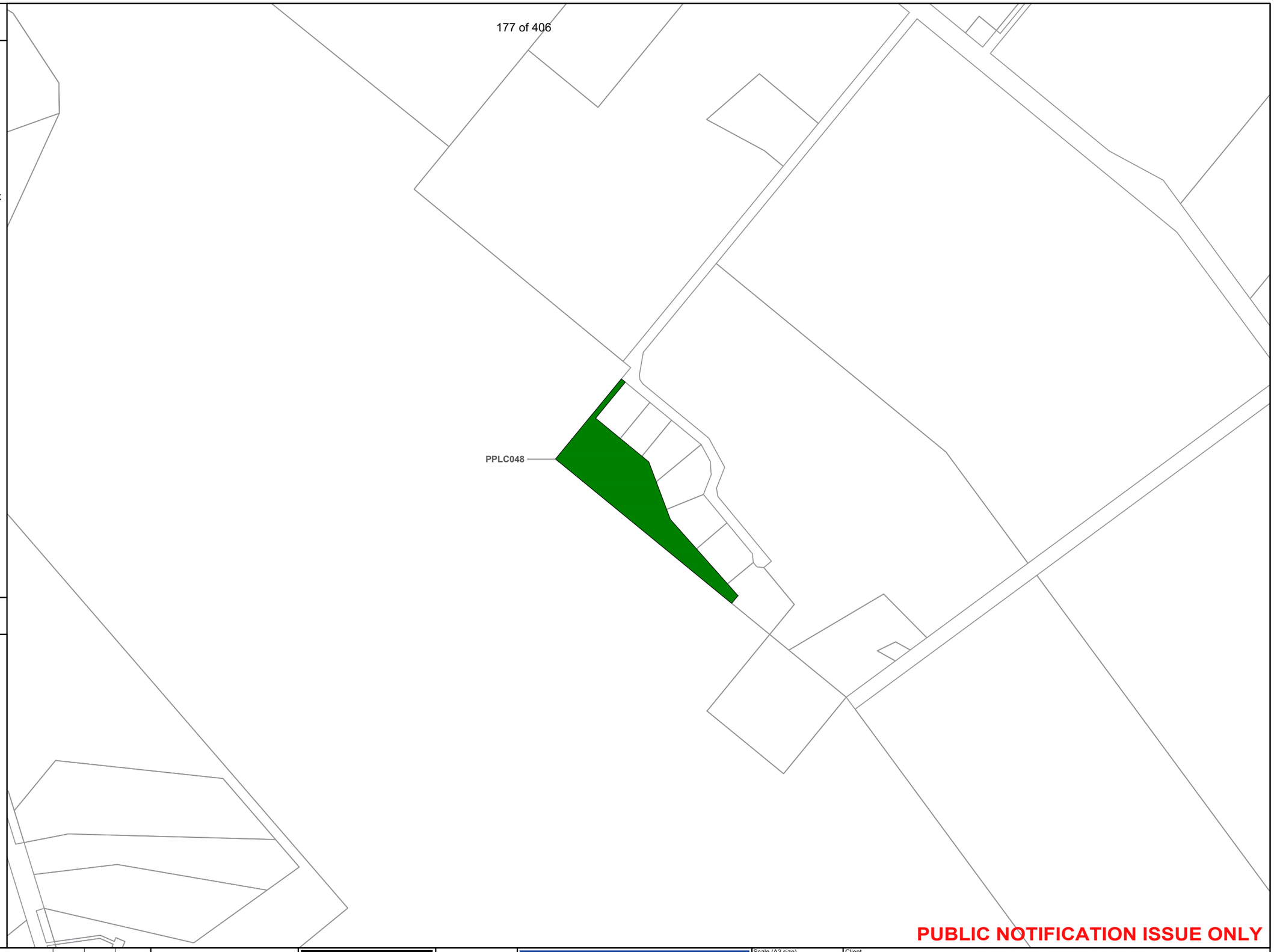
PUBLIC PARKS AND LAND FOR COMMUNITY (PPLC) FACILITIES

- LOCAL RECREATION PARK
- DISTRICT RECREATION PARK
- DISTRICT SPORTS PARK
- LOCAL GOVT WIDE RECREATION PARK
- LOCAL GOVT WIDE SPORTS PARK
- COMMUNITY FACILITIES
- OTHER OPEN SPACE
- LAND FOR DRAINAGE PURPOSES
- CONSERVATION

N

KEY MAP





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Revisions

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External References: TEC-TITLE-A3_a.dwg

GRID: 10

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Scale (A3 size): 1:7500

Drawing is not to be used for construction unless approved.

Client: DOUGLAS SHIRE COUNCIL
Project: 1100 DOUGLAS SHIRE COUNCIL LGIP
Title: EXISTING PPLC TRUNK INFRASTRUCTURE - GRID 10

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-614	C

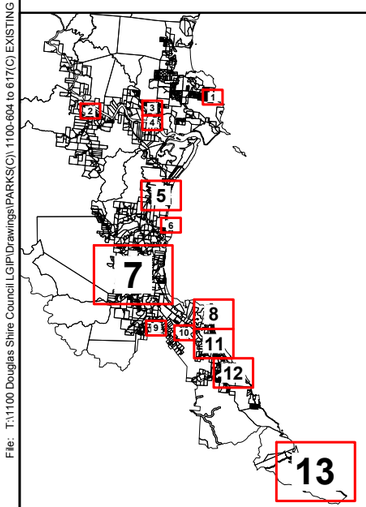
LEGEND

PUBLIC PARKS AND LAND FOR COMMUNITY (PPLC) FACILITIES

- LOCAL RECREATION PARK
- DISTRICT RECREATION PARK
- DISTRICT SPORTS PARK
- LOCAL GOVT WIDE RECREATION PARK
- LOCAL GOVT WIDE SPORTS PARK
- COMMUNITY FACILITIES
- OTHER OPEN SPACE
- LAND FOR DRAINAGE PURPOSES
- CONSERVATION

N

KEY MAP



CRAIGLIE

PORT DOUGLAS

PPLC030 (ii)
PPLC030 (i)
PPLC040
PPLC042
PPLC041
PPLC043
PPLC046
PPLC047
PPLC029
PPLC024 (ii)
PPLC024 (i)
PPLC026 (i)
PPLC026 (ii)
PPLC026 (iii)
PPLC026 (iv)
PPLC025 (i)
PPLC025 (ii)

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Scale (A3 size): 1:15000

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Client: DOUGLAS SHIRE COUNCIL
Project: 1100 DOUGLAS SHIRE COUNCIL LGIP
Title: EXISTING PPLC TRUNK INFRASTRUCTURE - GRID 11

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-615	C

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External References: TEC-TITLE-A3_a.dwg

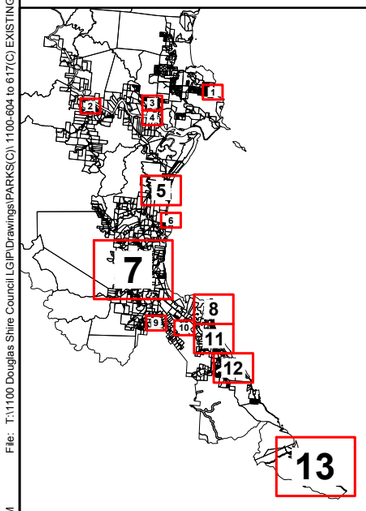
LEGEND

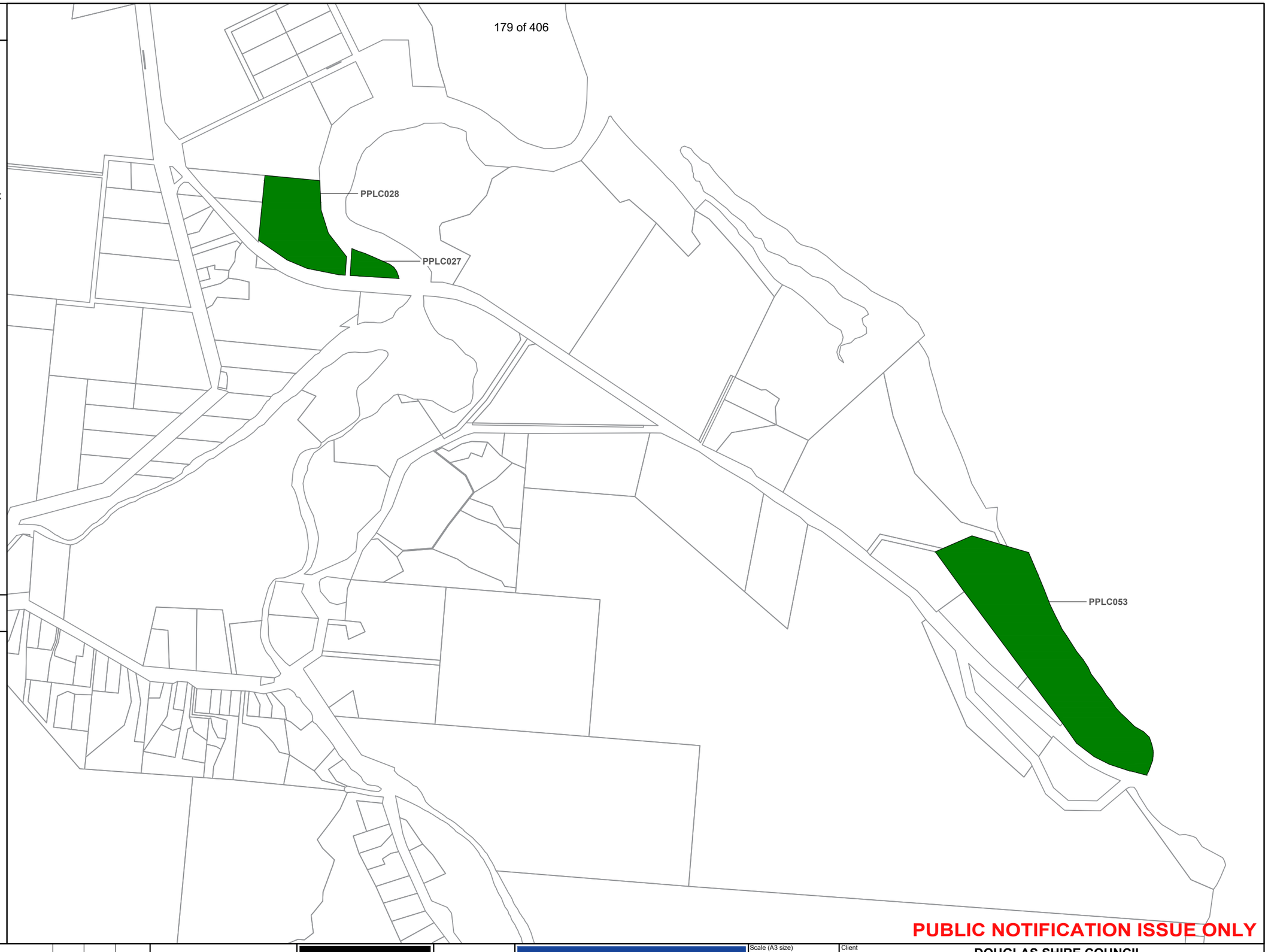
PUBLIC PARKS AND LAND FOR COMMUNITY (PPLC) FACILITIES

- LOCAL RECREATION PARK
- DISTRICT RECREATION PARK
- DISTRICT SPORTS PARK
- LOCAL GOVT WIDE RECREATION PARK
- LOCAL GOVT WIDE SPORTS PARK
- COMMUNITY FACILITIES
- OTHER OPEN SPACE
- LAND FOR DRAINAGE PURPOSES
- CONSERVATION

N

KEY MAP





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A	ISSUED FOR REVIEW			

GRID: 12

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Scale (A3 size)	1:15000
	Drawing is not to be used for construction unless approved.
Client	DOUGLAS SHIRE COUNCIL
Project	1100 DOUGLAS SHIRE COUNCIL LGIP
Title	EXISTING PPLC TRUNK INFRASTRUCTURE - GRID 12

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-616	C

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File: T:\1100 Douglas Shire Council LGIP\Drawings\PARKS(C)\ 1100-604 to 617(C) EXISTING PARKS.dwg
External References: TEC-TITLE-A3_a.dwg

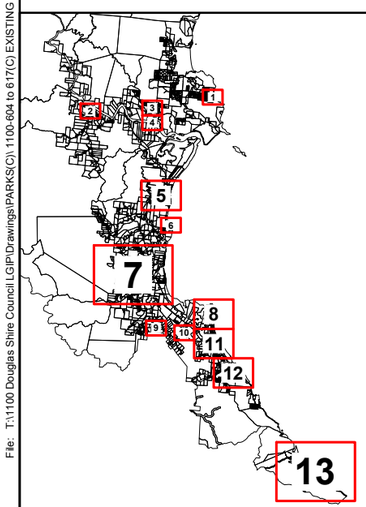
LEGEND

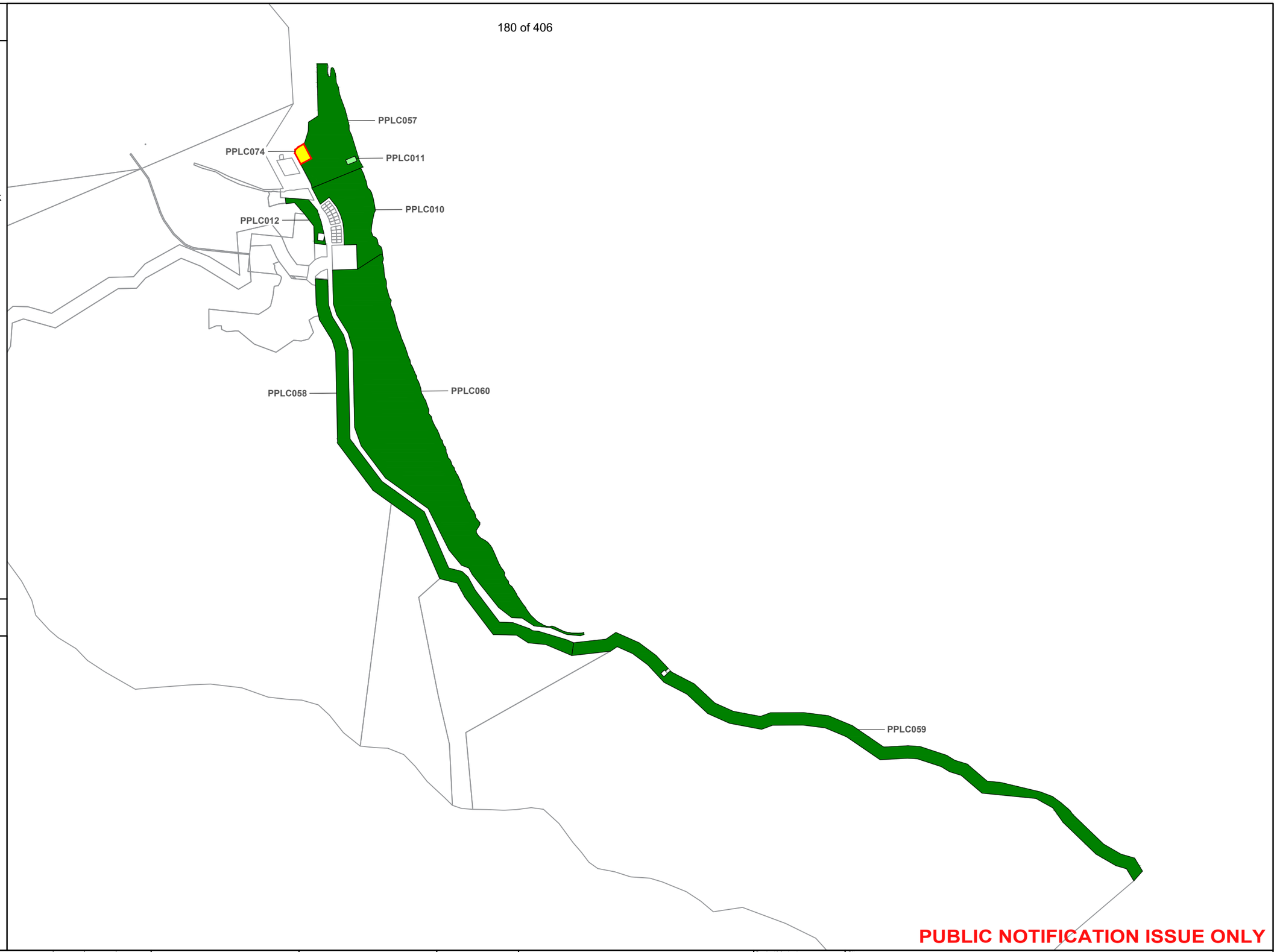
PUBLIC PARKS AND LAND FOR COMMUNITY (PPLC) FACILITIES

- LOCAL RECREATION PARK
- DISTRICT RECREATION PARK
- DISTRICT SPORTS PARK
- LOCAL GOVT WIDE RECREATION PARK
- LOCAL GOVT WIDE SPORTS PARK
- COMMUNITY FACILITIES
- OTHER OPEN SPACE
- LAND FOR DRAINAGE PURPOSES
- CONSERVATION

N

KEY MAP





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A	ISSUED FOR REVIEW			

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GRID: 13

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1:30000	IM	RR	RR	RR	R RANKINE		23/03/18	1100-617	C

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Client: DOUGLAS SHIRE COUNCIL

Project: 1100 DOUGLAS SHIRE COUNCIL LGIP

Title: EXISTING PPLC TRUNK INFRASTRUCTURE - GRID 13

LEGEND

PUBLIC PARKS AND LAND FOR COMMUNITY (PPLC) FACILITIES

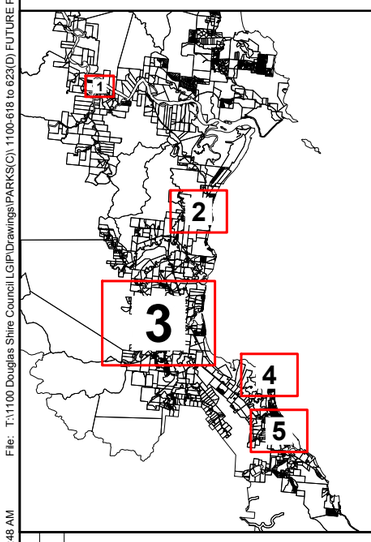
- LOCAL RECREATION PARK
- DISTRICT RECREATION PARK
- DISTRICT SPORTS PARK
- LOCAL GOVT WIDE RECREATION PARK
- LOCAL GOVT WIDE SPORTS PARK
- COMMUNITY FACILITIES
- OTHER OPEN SPACE
- LAND FOR DRAINAGE PURPOSES
- CONSERVATION

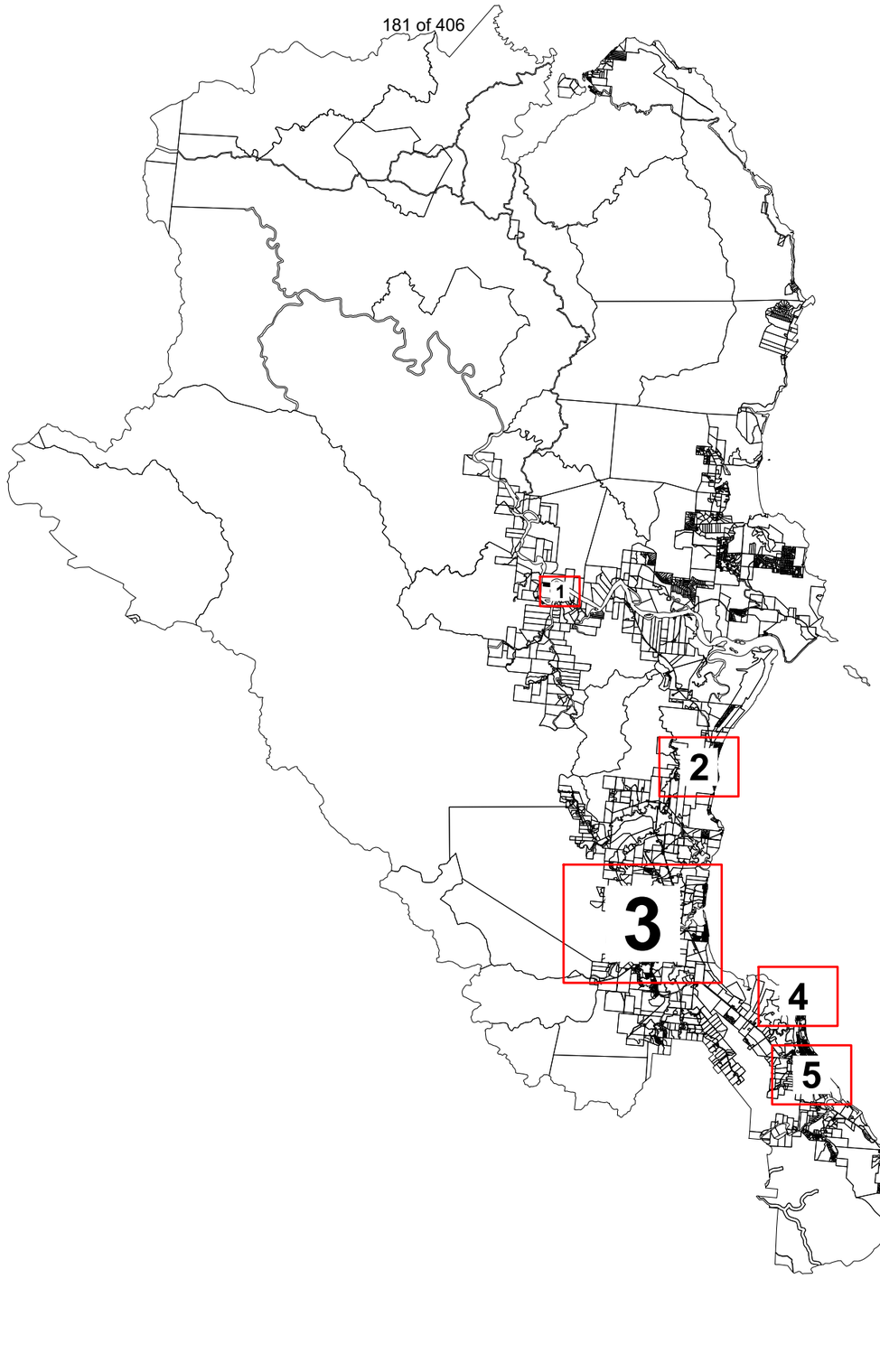
STATUS OF INFRASTRUCTURE

- FUTURE PARK
- PARK UPGRADE

N

KEY MAP





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A	ISSUED FOR REVIEW			

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External References: TEC-TITLE-A3_a.dwg

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Scale (A3 size): NOT TO SCALE

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Client: DOUGLAS SHIRE COUNCIL

Project: 1100 DOUGLAS SHIRE COUNCIL LGIP

Title: FUTURE PPLC TRUNK INFRASTRUCTURE KEY MAP

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-618	D

LEGEND

PUBLIC PARKS AND LAND FOR COMMUNITY (PPLC) FACILITIES

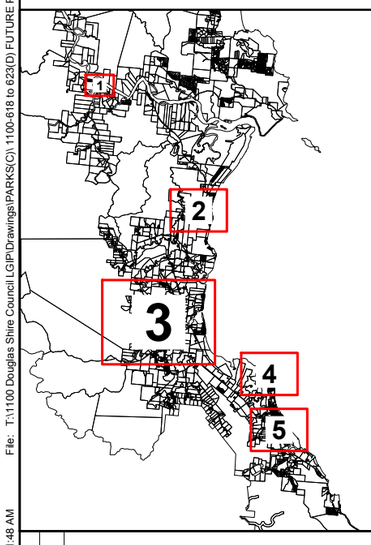
- LOCAL RECREATION PARK
- DISTRICT RECREATION PARK
- DISTRICT SPORTS PARK
- LOCAL GOVT WIDE RECREATION PARK
- LOCAL GOVT WIDE SPORTS PARK
- COMMUNITY FACILITIES
- OTHER OPEN SPACE
- LAND FOR DRAINAGE PURPOSES
- CONSERVATION

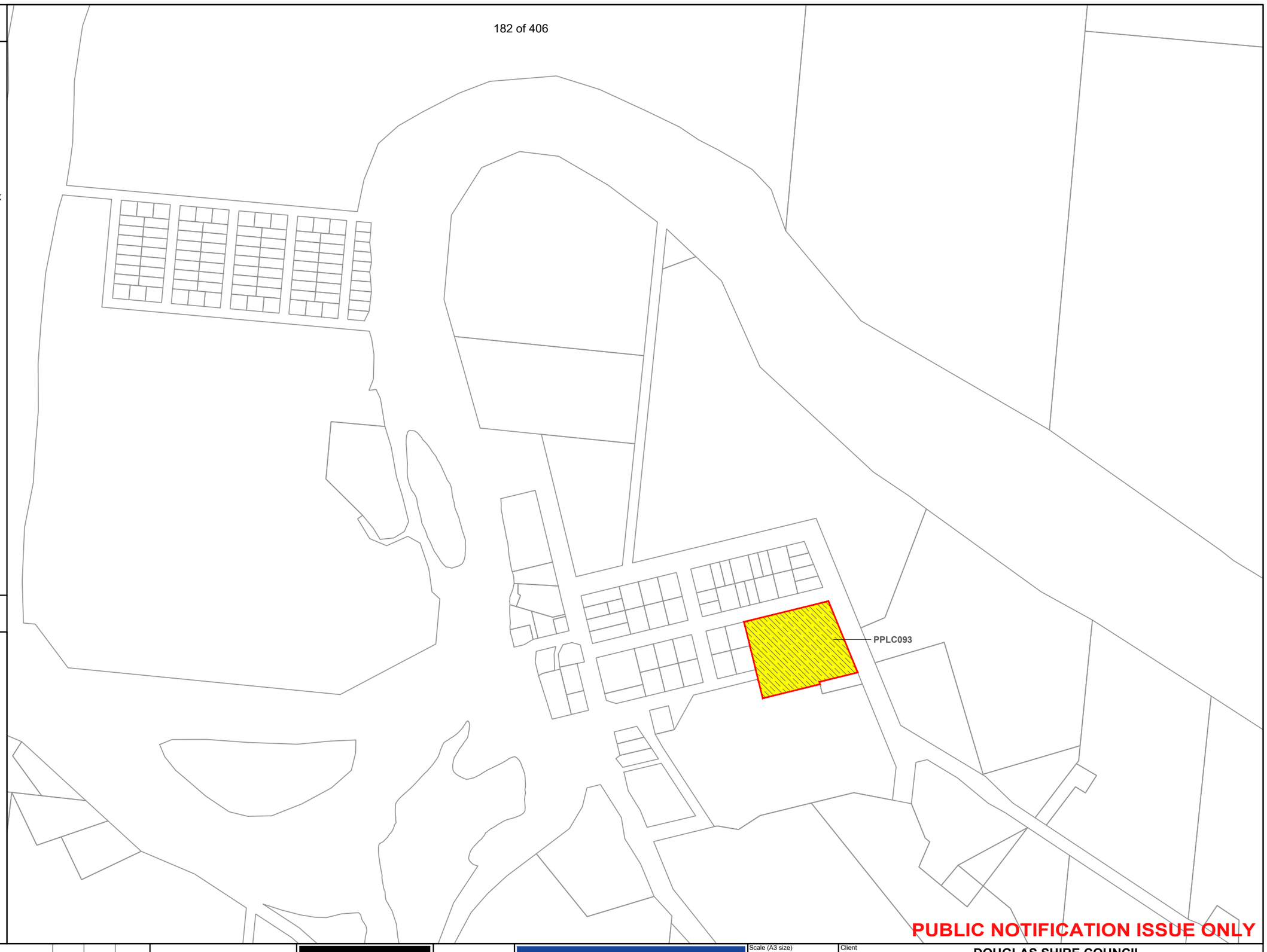
STATUS OF INFRASTRUCTURE

- FUTURE PARK
- PARK UPGRADE

N

KEY MAP





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GRID: 1

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IM	RR	RR	RR	R RANKINE		23/03/18

Client: DOUGLAS SHIRE COUNCIL
Project: 1100 DOUGLAS SHIRE COUNCIL LGIP
Title: FUTURE PPLC TRUNK INFRASTRUCTURE - GRID 1

Drawing No.: 1100-619
Revision: D

External References: TEC-TITLE-A3_a.dwg

LEGEND

PUBLIC PARKS AND LAND FOR COMMUNITY (PPLC) FACILITIES

- LOCAL RECREATION PARK
- DISTRICT RECREATION PARK
- DISTRICT SPORTS PARK
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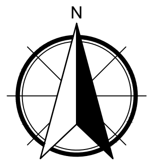
- COMMUNITY FACILITIES
- OTHER OPEN SPACE
- LAND FOR DRAINAGE PURPOSES
- CONSERVATION

STATUS OF INFRASTRUCTURE

- FUTURE PARK
- PARK UPGRADE



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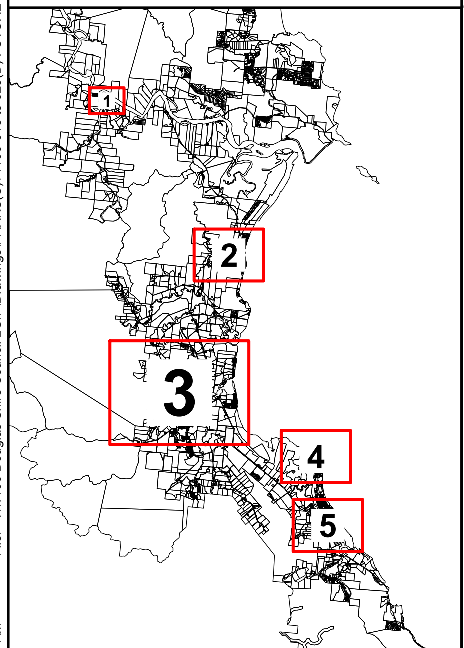

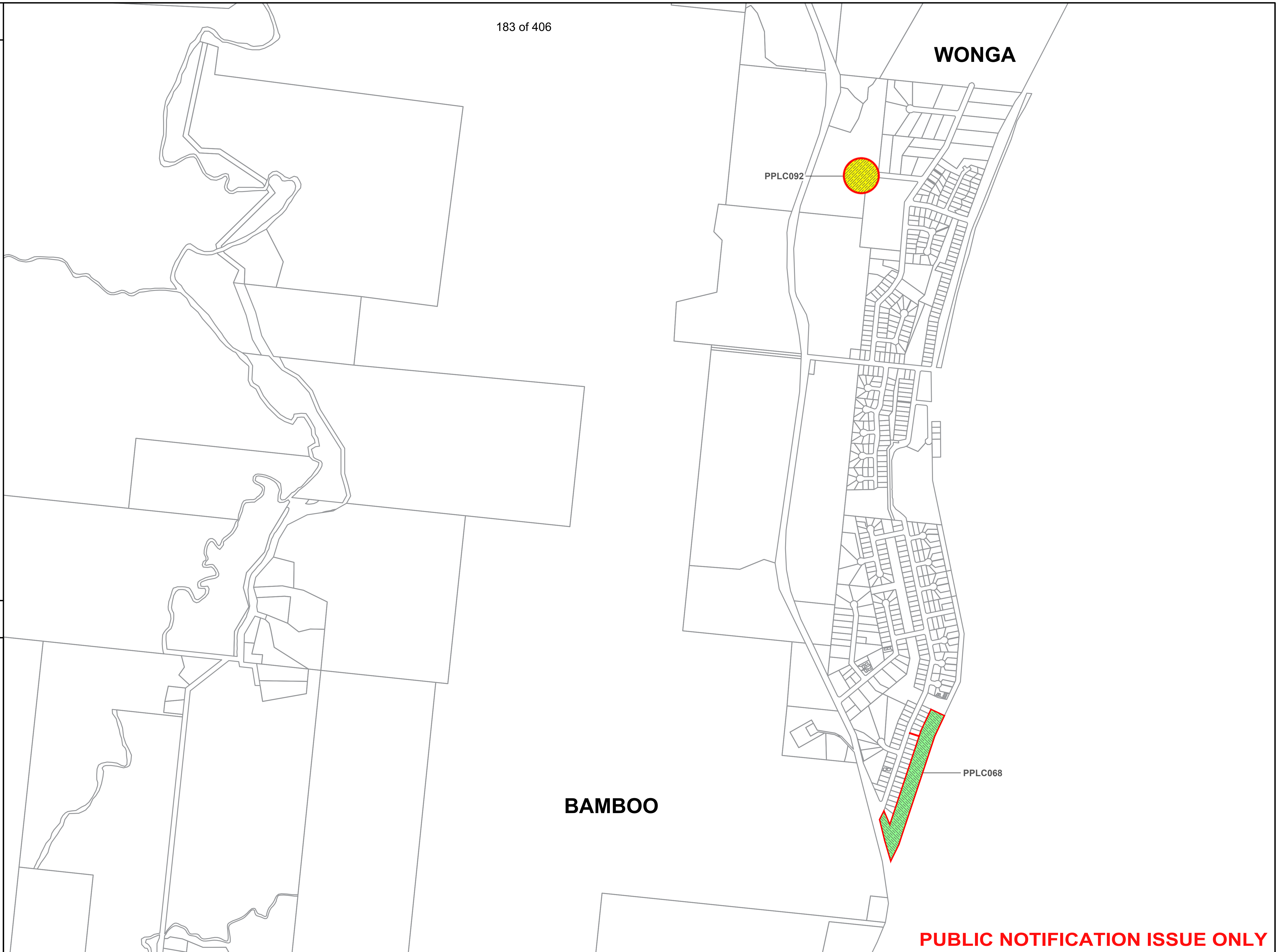

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Revisions

No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

GRID: 2

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Scale (A3 size): 1:15000

Drawing is not to be used for construction unless approved.

Client: **DOUGLAS SHIRE COUNCIL**

Project: **1100 DOUGLAS SHIRE COUNCIL LGIP**

Title: **FUTURE PPLC TRUNK INFRASTRUCTURE - GRID 2**

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-620	D

External References: TEC-TITLE-A3_a.dwg

LEGEND

PUBLIC PARKS AND LAND FOR COMMUNITY (PPLC) FACILITIES

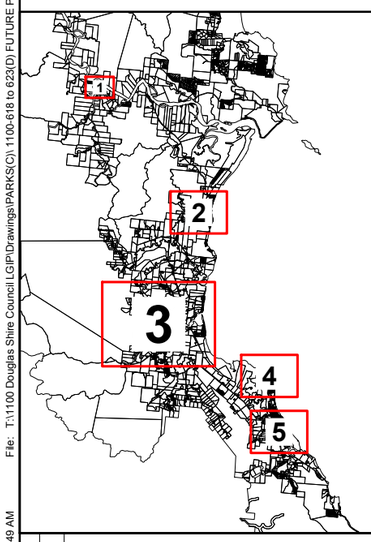
- LOCAL RECREATION PARK
- DISTRICT RECREATION PARK
- DISTRICT SPORTS PARK
- LOCAL GOVT WIDE RECREATION PARK
- LOCAL GOVT WIDE SPORTS PARK
- COMMUNITY FACILITIES
- OTHER OPEN SPACE
- LAND FOR DRAINAGE PURPOSES
- CONSERVATION

STATUS OF INFRASTRUCTURE

- FUTURE PARK
- PARK UPGRADE

N

KEY MAP



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Revisions					
No.	Description	Reviewed	Approved	Date	
A	ISSUED FOR REVIEW				

GRID: 3

DOUGLAS SHIRE COUNCIL

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www.trinityengineering.com.au | Email: admin@trinityengineering.com.au

Scale (A3 size): 1:30000

Drawing is not to be used for construction unless approved.

Client	DOUGLAS SHIRE COUNCIL
Project	1100 DOUGLAS SHIRE COUNCIL LGIP
Title	FUTURE PPLC TRUNK INFRASTRUCTURE - GRID 3

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-621	D

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External References: TEC-TITLE-A3_a.dwg

LEGEND

PUBLIC PARKS AND LAND FOR COMMUNITY (PPLC) FACILITIES

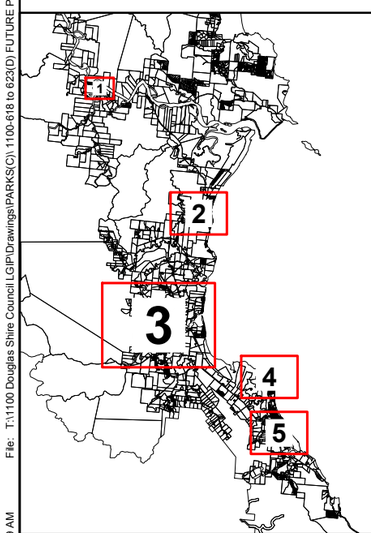
- LOCAL RECREATION PARK
- DISTRICT RECREATION PARK
- DISTRICT SPORTS PARK
- LOCAL GOVT WIDE RECREATION PARK
- LOCAL GOVT WIDE SPORTS PARK
- COMMUNITY FACILITIES
- OTHER OPEN SPACE
- LAND FOR DRAINAGE PURPOSES
- CONSERVATION

STATUS OF INFRASTRUCTURE

- FUTURE PARK
- PARK UPGRADE

N

KEY MAP



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A	ISSUED FOR REVIEW			

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GRID: 4

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www.trinityengineering.com.au
Email: admin@trinityengineering.com.au

Scale (A3 size)	Client
1:15000	DOUGLAS SHIRE COUNCIL
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	Title: FUTURE PPLC TRUNK INFRASTRUCTURE - GRID 4

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-622	D

LEGEND

PUBLIC PARKS AND LAND FOR COMMUNITY (PPLC) FACILITIES

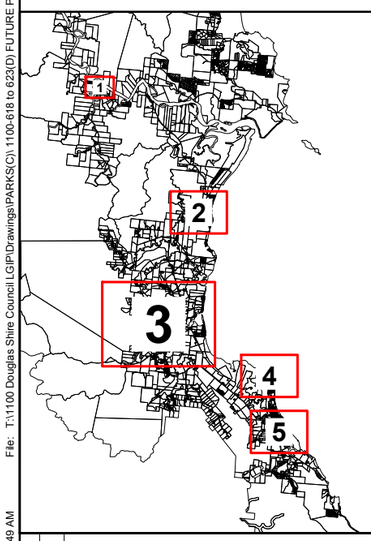
- LOCAL RECREATION PARK
- DISTRICT RECREATION PARK
- DISTRICT SPORTS PARK
- LOCAL GOVT WIDE RECREATION PARK
- LOCAL GOVT WIDE SPORTS PARK
- COMMUNITY FACILITIES
- OTHER OPEN SPACE
- LAND FOR DRAINAGE PURPOSES
- CONSERVATION

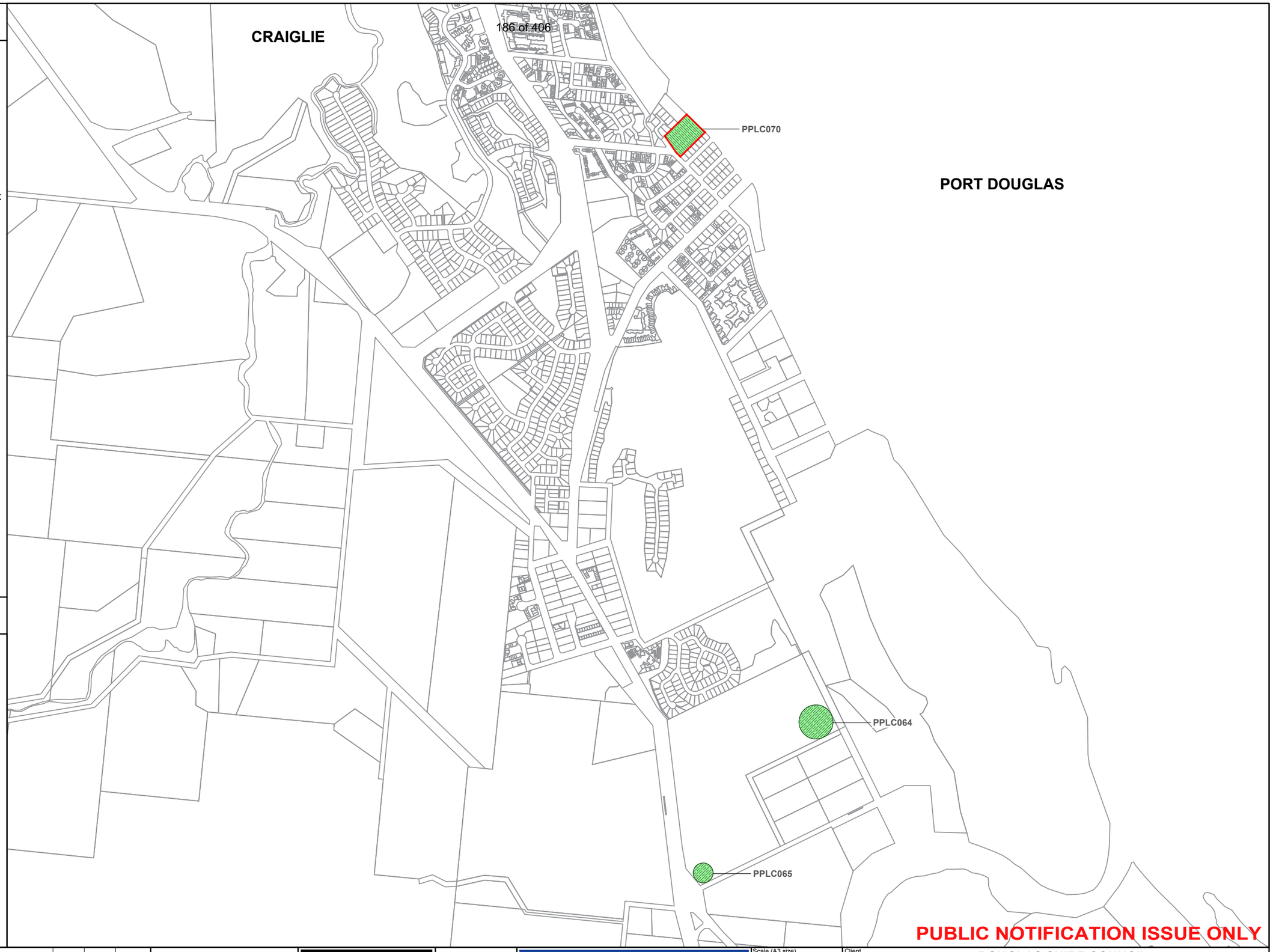
STATUS OF INFRASTRUCTURE

- FUTURE PARK
- PARK UPGRADE

N

KEY MAP





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No.	Description	Reviewed	Approved	Date
A	ISSUED FOR REVIEW			

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External References: TEC-TITLE-A3_a.dwg

GRID: 5

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Email: admin@trinityengineering.com.au

Scale (A3 size): 1:15000

Drawing is not to be used for construction unless approved.

Client: DOUGLAS SHIRE COUNCIL

Project: 1100 DOUGLAS SHIRE COUNCIL LGIP

Title: FUTURE PPLC TRUNK INFRASTRUCTURE - GRID 5

Drawn	Designed	Drawing Check	Design Check	Approved	RPEQ	Date	Drawing No.	Revision
IM	RR	RR	RR	R RANKINE		23/03/18	1100-623	D

Douglas Shire Council

Refer to the accompanying User Manual for detailed instructions on how to use the Spreadsheet

Version No	1	Date	26/03/2018	Author	RR
Comments	DSC_LGIP_V1 - For Consultation				

Inputs

General Input Sheet

- Financial Inputs
- Other "generic" inputs

- Unit Cost of Passive Assets
- Unit Cost of Land

- Estimates of current and future demand (per cost catchment)

Asset Inputs

Calculation

Calculation Function

- Catchment based summary of demand, infrastructure (existing and new) and cost allocation
- Infrastructure Cost calculation for each catchment ("Average Cost" approach)
- Optional Discounted Cashflow

Outputs

Summary Cost Schedule

- Summary of demand and cost allocation by catchment
- Final costs by catchment

Summary Cash flow Projections

- Summary of forecast Cap X and anticipated IC revenues

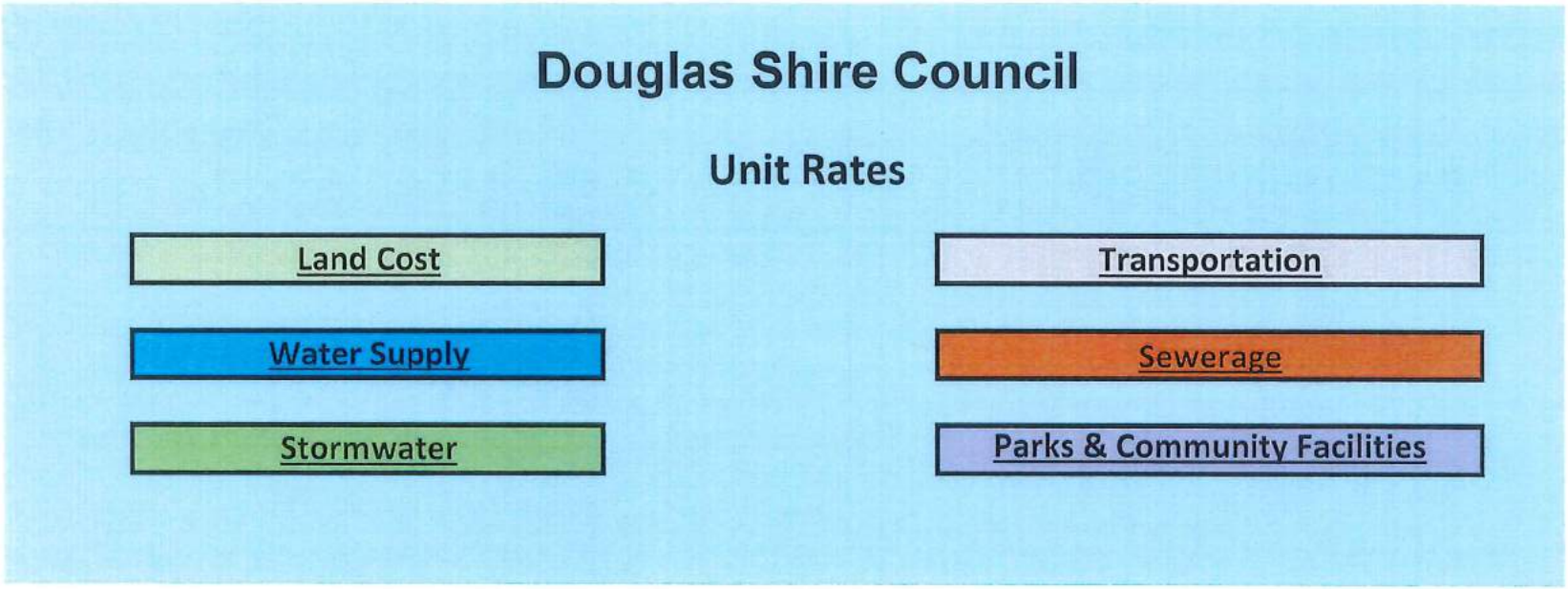
Appendix C - Schedule of works model V11Feb2016

Douglas Shire Council

Return to Navigation Pane

General Input Sheet

General Inputs		Reference	Value	Comments
	Base Year	YEAR	2011	Aligns with release of ABS data (2016 data not released prior to completion of LGIP)
	Term (between 15 and 30 years)	TERM	15	
Application of Discounted Cash flow				
	Calculate charges using Discounted Cash flow? (Y/N)	DCFTRIGGER	Yes	DCF Mtdology used to recognise inherent uncertainty in long term financial projections
General Financial Inputs				
Discount Rate (WACC):				
	Average 10 Year Bond Rate	TenYr	2.75%	Currently 10yr Bond Rate = 2.75%; (15 year bond rate = 3.02%). Adopt 2.75%
Option 1	Basic Margin on 10 Yr. Bond Rate	Margin	3.50%	3.5% is the baseline figure quoted in LG Bulletin 06/01
Option 1	WACC:	WACC1	6.25%	
Option 2	Capital Structure (% Debt)	Capstr		
Option 2	Market Risk Premium	Risk	6.00%	
Option 2	Asset Beta	AssetBeta		
Option 2	Cost of Debt	Debt		
Option 2	WACC:	WACC2	2.75%	
	WACC Option to be applied in the calculation?	WACC1	6.25%	More Appropriate for DSC as (Small-Medium Council)
Escalation Rates				
	Capital Escalation - Future Cap X	PPI	3.84%	ten (10) yr. average Roads and Bridges Index (ABS 6427, Table 17, Index 3101)
	Capital Indexation Rates - Historical (June Qtr.)			
		2011	100.30	Roads and Bridges Index (ABS 6427, Table 17, Index 3101)
		2010	96.60	
		2009	95.20	
		2008	91.80	
		2007	83.20	
		2006	80.10	
		2005	73.30	
	Land Escalation	LandInd	2.72%	ten (10) yr. average Consumer Price Index (ABS 640101, Series A2325817T, Series ID A2325820F : June Qtr - from base year)
	Charges Escalation Rate	Chargeind	**3.00%**	As adopted by Council under it's infrastructure charges resolution


Douglas Shire Council
Unit Rates
Land Cost
Transportation
Water Supply
Sewerage
Stormwater
Parks & Community Facilities

Douglas Shire Council

Demand Forecast

Anticpated Growth Residential

Anticpated Growth - NON Residential

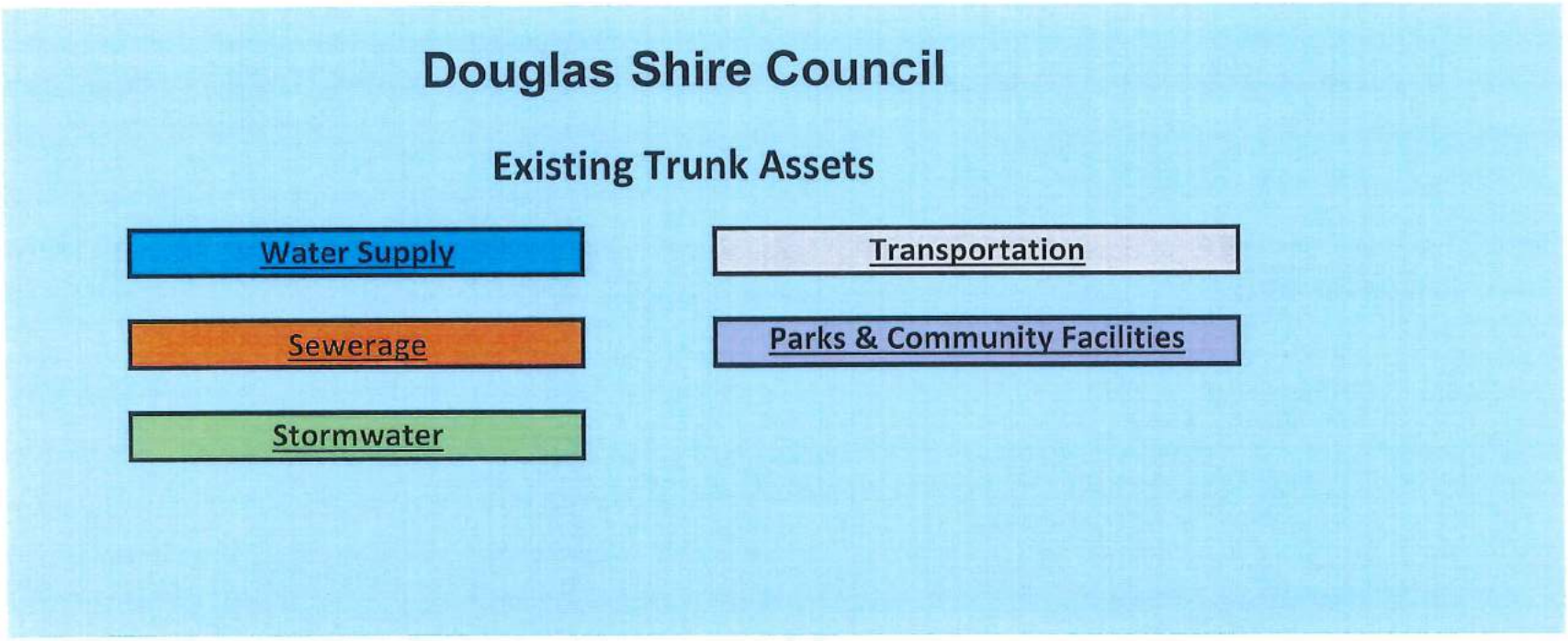
Water Supply

Transportation

Sewerage

Parks & Community Facilities

Stormwater


Douglas Shire Council
Existing Trunk Assets
Water Supply
Sewerage
Stormwater
Transportation
Parks & Community Facilities

Douglas Shire Council
Water Supply

EXISTING TRUNK ASSETS

Return to "Existing Trunk Assets"

Land Valuation Type	Location

Asset ID	LGIP ID	Asset Type (*)	Asset Class	Asset Name	Description	Unit Rate Type (*)	Length/unit (*)	Diameter (*)	Unit Rate	Baseline Valuation	Site/Condition	Multiplier	Gross Value	Land Location/Type	Size of land (ha) (*)	Unit Cost	Land Value	Valuation Year	Escalation	Current Replacement	1 PORT DOUGLAS (W1)	2 MOSSMAN (W2)	3 WHYANBEEL (W3)	4 DAINTREE (W4)	5 SHARED TREATMENT (W1&W2)
Asset Data																					Catchment Asset Allocation				
Basic Asset Data						Asset Attributes				Baseline Asset Valuation				Land Attributes				Refined Asset Value							
Councils ID (from GIS, FAR, AMA etc.)	ID from the LGIP drawings		Reservoir, Trunk Main, etc.							May be calculated from unit rates OR unique values can be direct entered										CRC	25,969	7,519	2,762	334	33,488
ACTIVE ASSETS																									
0	WBE001											1	$ -				$ -		1.00	$ -					
0	WBE002											1	$ -				$ -		1.00	$ -					
33241.03	WBE003	Active	Bore	Port Douglas Views Bore 1	Port Douglas Views Bore 1					$ 5,322		1	$ 5,322			$ 20	$ -	2011	1.00	$ 5,322			Y		
33241.04	WBE004	Active	Bore	Port Douglas Views Bore 2	Port Douglas Views Bore 2					$ 5,322		1	$ 5,322			$ 20	$ -	2011	1.00	$ 5,322			Y		
33241.05	WBE005	Active	Bore	Port Douglas Views Bore 3	Port Douglas Views Bore 3					$ 5,322		1	$ 5,322			$ 20	$ -	2011	1.00	$ 5,322			Y		
33241.06	WBE006	Active	Bore	Port Douglas Views Bore 4	Port Douglas Views Bore 4					$ 5,322		1	$ 5,322			$ 20	$ -	2011	1.00	$ 5,322			Y		
0	WBE007	Active	Bore	Port Douglas Views Bore 5	Port Douglas Views Bore 5					$ 5,322		1	$ 5,322			$ 20	$ -	2011	1.00	$ 5,322			Y		
3331002	WIE001	Active	Raw Water Intake	Whyanbeel Intake Structure	Whyanbeel Intake Structure					$ 91,238		1	$ 91,238			$ 20	$ -	2011	1.00	$ 91,238			Y		
3331001	WIE002	Active	Raw Water Intake	Daintree Intake Structure	Daintree Intake Structure					$ 38,016		1	$ 38,016			$ 20	$ -	2011	1.00	$ 38,016				Y	
3311001	WIE003	Active	Raw Water Intake	Rex Creek Intake	Rex Creek Intake					$ 197,683		1	$ 197,683			$ 20	$ -	2011	1.00	$ 197,683	Y	Y			Y
33241	WPSE001	Active	Pump Station	Port Douglas Views Pump Station	Port Douglas Views Pump Station					$ 121,651		1	$ 121,651			$ 20	$ -	2011	1.00	$ 121,651			Y		
0	WPSE002	Active	Pump Station	Flagstaff Pump Station 3	Flagstaff Pump Station 3					$ 73,255		1	$ 73,255			$ 20	$ -	2011	1.00	$ 73,255	Y				
33141	WPSE003	Active	Pump Station	Craiglie Pump Station	Craiglie Pump Station					$ 422,737		1	$ 422,737			$ 20	$ -	2011	1.00	$ 422,737	Y				
33142	WPSE004	Active	Pump Station	Flagstaff Pump Station 1	Flagstaff Pump Station 1					$ 53,222		1	$ 53,222			$ 20	$ -	2011	1.00	$ 53,222	Y				
33143	WPSE005	Active	Pump Station	Cassowary Pump Station	Cassowary Pump Station					$ 36,496		1	$ 36,496			$ 20	$ -	2011	1.00	$ 36,496	Y				
	WPSE006	Active	Pump Station	Flagstaff Pump Station 2 (Cost included in Flagstaff Pump Station 1)	Flagstaff Pump Station 2 (Cost included in Flagstaff Pump Station 1)					$ -		1	$ -			$ 20	$ -	2011	1.00	$ -	Y				
3345001.05	WRE001	Active	Reservoir	Whyanbeel Reservoir (3.5 ML)	Whyanbeel Reservoir (3.5 ML)					$ 1,412,569		1	$ 1,412,569			$ 20	$ -	2011	1.00	$ 1,412,569			Y		
3322001	WRE002	Active	Reservoir	Port Douglas Views Reservoir (1.0 ML)	Port Douglas Views Reservoir (1.0 ML)					$ 450,765		1	$ 450,765			$ 20	$ -	2011	1.00	$ 450,765			Y		
3312010	WRE003	Active	Reservoir	Newell Reservoir (0.135 ML)	Newell Reservoir (0.135 ML)					$ 304,127		1	$ 304,127			$ 20	$ -	2011	1.00	$ 304,127		Y			
3312009	WRE004	Active	Reservoir	Cooya Reservoir 1 (1.8 ML)	Cooya Reservoir 1 (1.8 ML)					$ 284,176		1	$ 284,176			$ 20	$ -	2011	1.00	$ 284,176	Y				
3312005	WRE005	Active	Reservoir	Flagstaff Reservoir 3 (0.135 ML)	Flagstaff Reservoir 3 (0.135 ML)					$ 728,464		1	$ 728,464			$ 20	$ -	2011	1.00	$ 728,464	Y				
3312003	WRE006	Active	Reservoir	Flagstaff Reservoir 1 (0.45 ML)	Flagstaff Reservoir 1 (0.45 ML)					$ 284,544		1	$ 284,544			$ 20	$ -	2011	1.00	$ 284,544	Y				
3312006	WRE007	Active	Reservoir	Mowbray Reservoir 1 (0.28 ML)	Mowbray Reservoir 1 (0.28 ML)					$ 213,737		1	$ 213,737			$ 20	$ -	2011	1.00	$ 213,737	Y				
3312002	WRE008	Active	Reservoir	Cassowary Reservoir (0.2 ML)	Cassowary Reservoir (0.2 ML)					$ 176,097		1	$ 176,097			$ 20	$ -	2011	1.00	$ 176,097	Y				
0												1	$ -				$ -		1.00	$ -					
3312001	WRE010	Active	Reservoir	Mossman Reservoir 1 (1.75 ML)	Mossman Reservoir 1 (1.75 ML)					$ 624,943		1	$ 624,943			$ 20	$ -	2011	1.00	$ 624,943	Y	Y			Y
3315001.05	WRE011	Active	Reservoir	Mossman Reservoir 2 (5.0 ML)	Mossman Reservoir 2 (5.0 ML)					$ 2,428,346		1	$ 2,428,346			$ 20	$ -	2011	1.00	$ 2,428,346	Y	Y			Y
3312004	WRE012	Active	Reservoir	Flagstaff Reservoir 2 (2.2 ML)	Flagstaff Reservoir 2 (2.2 ML)					$ 153,616		1	$ 153,616			$ 20	$ -	2011	1.00	$ 153,616	Y				
3333002	WRE013	Active	Reservoir	Daintree Reservoir 2 (0.4 ML)	Daintree Reservoir 2 (0.4 ML)					$ 263,969		1	$ 263,969			$ 20	$ -	2011	1.00	$ 263,969				Y	
3312008	WRE014	Active	Reservoir	Craiglie Reservoir (10.1 ML)	Craiglie Reservoir (10.1 ML)					$ 1,729,616		1	$ 1,729,616			$ 20	$ -	2011	1.00	$ 1,729,616	Y				
3322002	WRE015	Active	Reservoir	Wonga Reservoir (2.0 ML)	Wonga Reservoir (2.0 ML)					$ 675,696		1	$ 675,696			$ 20	$ -	2011	1.00	$ 675,696			Y		
3312007	WRE016	Active	Reservoir	Mowbray Reservoir 2 (0.08 ML)	Mowbray Reservoir 2 (0.08 ML)					$ 115,931		1	$ 115,931			$ 20	$ -	2011	1.00	$ 115,931	Y				
3335001.05	WRE017	Active	Reservoir	Daintree Reservoir 3	Daintree Reservoir 3					$ 362,374		1	$ 362,374			$ 20	$ -	2011	1.00	$ 362,374				Y	
3332001	WRE018	Active	Reservoir	Daintree Reservoir 1 (0.2 ML)	Daintree Reservoir 1 (0.2 ML)					$ 300,710		1	$ 300,710			$ 20	$ -	2011	1.00	$ 300,710				Y	
3345001	WTPE001	Active	Water Treatment Plant	Whyanbeel Water Treatment Plant	Whyanbeel Water Treatment Plant					$ 3,528,283		1	$ 3,528,283			$ 20	$ -	2011	1.00	$ 3,528,283			Y		
3335001	WTPE002	Active	Water Treatment Plant	Daintree Water Treatment Plant	Daintree Water Treatment Plant					$ 1,939,578		1	$ 1,939,578			$ 20	$ -	2011	1.00	$ 1,939,578				Y	
3315001	WTPE003	Active	Water Treatment Plant	Mossman Water Treatment Plant	Mossman Water Treatment Plant					$ 11,647,051		1	$ 11,647,051			$ 20	$ -	2011	1.00	$ 11,647,051	Y	Y			Y
PASSIVE ASSETS																									
	WME001	Passive	Water Main	WME001 - Water Main - 100mm dia (PVC)	Water Main - 100mm dia (PVC)	Passive	138.1	100	$ 174	$ 24,061		1	$ 24,061			$ 20	$ -	2011	1.00	$ 24,061		Y			
	WME002	Passive	Water Main	WME002 - Water Main - 75mm dia (AC)	Water Main - 75mm dia (AC)	Passive	291	75	$ 103	$ 30,079		1	$ 30,079			$ 20	$ -	2011	1.00	$ 30,079		Y			
	WME003	Passive	Water Main	WME003 - Water Main - 100mm dia (AC)	Water Main - 100mm dia (AC)	Passive	235.11	100	$ 174	$ 40,963		1	$ 40,963			$ 20	$ -	2011	1.00	$ 40,963				Y	
	WME004	Passive	Water Main	WME004 - Water Main - 100mm dia (AC)	Water Main - 100mm dia (AC)	Passive	175.87	100	$ 174	$ 30,642		1	$ 30,642			$ 20	$ -	2011	1.00	$ 30,642				Y	
	WME005	Passive	Water Main	WME005 - Water Main - 100mm dia (AC)	Water Main - 100mm dia (AC)	Passive	14.24	100	$ 174	$ 2,481		1	$ 2,481			$ 20	$ -	2011	1.00	$ 2,481			Y		
	WME006	Passive	Water Main	WME006 - Water Main - 100mm dia (AC)	Water Main - 100mm dia (AC)	Passive	15.09	100	$ 174	$ 2,629		1	$ 2,629			$ 20	$ -	2011	1.00	$ 2,629			Y		
	WME007	Passive	Water Main	WME007 - Water Main - 100mm dia (AC)	Water Main - 100mm dia (AC)	Passive	493.84	100	$ 174	$ 86,042		1	$ 86,042			$ 20	$ -	2011	1.00	$ 86,042				Y	
	WME008	Passive	Water Main	WME008 - Water Main - 100mm dia (AC)	Water Main - 100mm dia (AC)	Passive	82.89	100	$ 174	$ 14,442		1	$ 14,442			$ 20	$ -	2011	1.00	$ 14,442				Y	
	WME009	Passive	Water Main	WME009 - Water Main - 100mm dia (AC)	Water Main - 100mm dia (AC)	Passive	237.24	100	$ 174	$ 41,334		1	$ 41,334			$ 20	$ -	2011	1.00	$ 41,334				Y	
	WME010	Passive	Water Main	WME010 - Water Main - 100mm dia (AC)	Water Main - 100mm dia (AC)	Passive	474.42	100	$ 174	$ 82,658		1	$ 82,658			$ 20	$ -	2011	1.00	$ 82,658				Y	
	WME011	Passive	Water Main	WME011 - Water Main - 100mm dia (AC)	Water Main - 100mm dia (AC)	Passive	292.83	100	$ 174	$ 51,020		1	$ 51,020			$ 20	$ -	2011	1.00	$ 51,020				Y	
	WME012	Passive	Water Main	WME012 - Water Main - 150mm dia (AC)	Water Main - 150mm dia (AC)	Passive	9.81	150	$ 193	$ 1,893		1	$ 1,893			$ 20	$ -	2011	1.00	$ 1,893			Y		
	WME013	Passive	Water Main	WME013 - Water Main - 150mm dia (AC)	Water Main - 150mm dia (AC)	Passive	20.16	150	$ 193	$ 3,889		1	$ 3,889			$ 20	$ -	2011	1.00	$ 3,889			Y		
	WME014	Passive	Water Main	WME014 - Water Main - 150mm dia (AC)	Water Main - 150mm dia (AC)	Passive	34.75	150	$ 193	$ 6,704		1	$ 6,704			$ 20	$ -	2011	1.00	$ 6,704		Y			
	WME016	Passive	Water Main	WME016 - Water Main - 150mm dia (AC)	Water Main - 150mm dia (AC)	Passive	20.06	150	$ 193	$ 3,870		1	$ 3,870			$ 20	$ -	2011	1.00	$ 3,870			Y		
	WME017	Passive	Water Main	WME017 - Water Main - 150mm dia (AC)	Water Main - 150mm dia (AC)	Passive	13.43	150	$ 193	$ 2,591		1	$ 2,591			$ 20	$ -	2011	1.00	$ 2,591			Y		
	WME018	Passive	Water Main	WME018 - Water Main - 200mm dia (AC)	Water Main - 200mm dia (AC)	Passive	259.92	200	$ 231	$ 60,055		1	$ 60,055			$ 20	$ -	2011	1.00	$ 60,055		Y			
	WME019	Passive	Water Main	WME019 - Water Main - 200mm dia (AC)	Water Main - 200mm dia (AC)	Passive	2.5	200	$ 231	$ 578		1	$ 578			$ 20	$ -	2011	1.00	$ 578		Y			
	WME020	Passive	Water Main	WME020 - Water Main - 200mm dia (AC)	Water Main - 200mm dia (AC)	Passive	320.51	200	$ 231	$ 74,054		1	$ 74,054			$ 20	$ -	2011	1.00	$ 74,054		Y			
	WME021	Passive	Water Main	WME021 - Water Main - 200mm dia (AC)	Water Main - 200mm dia (AC)	Passive	642.73	200	$ 231	$ 148,503		1	$ 148,503			$ 20	$ -	2011	1.00	$ 148,503		Y			
	WME022	Passive	Water Main	WME022 - Water Main - 225mm dia (PVC)	Water Main - 225mm dia (PVC)	Passive	35.93	225	$ 257	$ 9,242		1	$ 9,242			$ 20	$ -	2011	1.00	$ 9,242			Y		
	WME023	Passive	Water Main	WME023 - Water Main - 225mm dia (AC)	Water Main - 225mm dia (AC)	Passive	60.24	225	$ 257	$ 15,496		1	$ 15,496			$ 20	$ -	2011	1.00	$ 15,496	Y				
	WME024	Passive	Water Main	WME024 - Water Main - 225mm dia (AC)	Water Main - 225mm dia (AC)	Passive	13.18	225	$ 257	$ 3,390		1	$ 3,390			$ 20	$ -	2011	1.00	$ 3,390			Y		
	WME025	Passive	Water Main	WME025 - Water Main - 225mm dia (DICL)	Water Main - 225mm dia (DICL)	Passive	15.87	225	$ 257	$ 4,082		1	$ 4,082			$ 20	$ -	2011	1.00	$ 4,082			Y		
	WME026	Passive	Water Main	WME026 - Water Main - 225mm dia (AC)	Water Main - 225mm dia (AC)	Passive	69.59	225	$ 257	$ 17,901		1	$ 17,901			$ 20	$ -	2011	1.00	$ 17,901	Y				
	WME027	Passive	Water Main	WME027 - Water Main - 100mm dia (PVC)	Water Main - 100mm dia (PVC)	Passive	198.29	100	$ 174	$ 34,548		1	$ 34,548			$ 20	$ -	2011	1.00	$ 34,548		Y			
	WME028	Passive	Water Main	WME028 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	608.44	300	$ 325	$ 197,451		1	$ 197,451			$ 20	$ -	2011	1.00	$ 197,451		Y			
	WME029	Passive	Water Main	WME029 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	29.2	300	$ 325	$ 9,476		1	$ 9,476			$ 20	$ -	2011	1.00	$ 9,476	Y				
	WME030	Passive	Water Main	WME030 - Water Main - 150mm dia (AC)	Water Main - 150mm dia (AC)	Passive	46.65	150	$ 193	$ 9,000		1	$ 9,000			$ 20	$ -	2011	1.00	$ 9,000	Y				
	WME031	Passive	Water Main	WME031 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	243.88	300	$ 325	$ 79,144		1	$ 79,144			$ 20	$ -	2011	1.00	$ 79,144	Y				
	WME032	Passive	Water Main	WME032 - Water Main - 300mm dia (DICL)	Water Main - 300mm dia (DICL)	Passive	35.31	300	$ 325	$ 11,459		1	$ 11,459			$ 20	$ -	2011	1.00	$ 11,459		Y			
	WME033	Passive	Water Main	WME033 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	2.86	300	$ 325	$ 928		1	$ 928			$ 20	$ -	2011	1.00	$ 928	Y				
	WME034	Passive	Water Main	WME034 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	400.12	300	$ 325	$ 129,847		1	$ 129,847			$ 20	$ -	2011	1.00	$ 129,847	Y				
	WME035	Passive	Water Main	WME035 - Water Main - 300mm dia (DICL)	Water Main - 300mm dia (DICL)	Passive	14.16	300	$ 325	$ 4,595		1	$ 4,595			$ 20	$ -	2011	1.00	$ 4,595	Y				
	WME036	Passive	Water Main	WME036 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	33.15	300	$ 325	$ 10,758		1	$ 10,758			$ 20	$ -	2011	1.00	$ 10,758	Y				
	WME037	Passive	Water Main	WME037 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	289.98	300	$ 325	$ 94,104		1	$ 94,104			$ 20	$ -	2011	1.00	$ 94,104		Y			
	WME038	Passive	Water Main	WME038 - Water Main - 375mm dia (AC)	Water Main - 375mm dia (AC)	Passive	3.61	375	$ 627	$ 2,265		1	$ 2,265			$ 20	$ -	2011	1.00	$ 2,265	Y				
	WME039	Passive	Water Main	WME039 - Water Main - 375mm dia (AC)	Water Main - 375mm dia (AC)	Passive	0.95	375	$ 627	$ 596		1	$ 596			$ 20	$ -	2011	1.00	$ 596	Y				
	WME040	Passive	Water Main	WME040 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	426.46	450	$ 675	$ 287,954		1	$ 287,954			$ 20	$ -	2011	1.00	$ 287,954		Y			
	WME041	Passive	Water Main	WME041 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	1289.46	450	$ 675	$ 870,669		1	$ 870,669			$ 20	$ -	2011	1.00	$ 870,669		Y			
	WME042	Passive	Water Main	WME042 - Water Main - 450mm dia (AC)	Water Main - 450mm dia (AC)	Passive	3.01	450	$ 675	$ 2,032		1	$ 2,032			$ 20	$ -	2011	1.00	$ 2,032	Y				
	WME043	Passive	Water Main	WME043 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	55.59	450	$ 675	$ 37,535		1	$ 37,535			$ 20	$ -	2011	1.00	$ 37,535	Y				
	WME044	Passive	Water Main	WME044 - Water Main - 450mm dia (HOBAS)	Water Main - 450mm dia (HOBAS)	Passive	34.18	450	$ 675	$ 23,079		1	$ 23,079			$ 20	$ -	2011	1.00	$ 23,079	Y				

Douglas Shire Council
Water Supply

EXISTING TRUNK ASSETS

Return to "Existing Trunk Assets"

Land Valuation Type	Location

Asset ID	LGIP ID	Asset Type (*)	Asset Class	Asset Name	Description	Unit Rate Type (*)	Length/unit (*)	Diameter (*)	Unit Rate	Baseline Valuation	Site/Condition	Multiplier	Gross Value	Land Location/Type	Size of land (ha) (*)	Unit Cost	Land Value	Valuation Year	Escalation	Current Replacement	1 PORT DOUGLAS (W1)	2 MOSSMAN (W2)	3 WHYANBEEL (W3)	4 DAINTREE (W4)	5 SHARED TREATMENT (W1&W2)
Asset Data																					Catchment Asset Allocation				
Basic Asset Data						Asset Attributes			Baseline Asset Valuation					Land Attributes				Refined Asset Value							
Councils ID (from GIS, FAR, AMA etc.)	ID from the LGIP drawings		Reservoir, Trunk Main, etc.							May be calculated from unit rates OR unique values can be direct entered										CRC	25,969	7,519	2,762	334	33,488
	WME045	Passive	Water Main	WME045 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	72.83	450	$ 675	$ 49,176		1	$ 49,176			$ 20	$ -	2011	1.00	$ 49,176	Y				
	WME046	Passive	Water Main	WME046 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	857.51	450	$ 675	$ 579,008		1	$ 579,008			$ 20	$ -	2011	1.00	$ 579,008	Y				
	WME047	Passive	Water Main	WME047 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	88.84	450	$ 675	$ 59,987		1	$ 59,987			$ 20	$ -	2011	1.00	$ 59,987	Y				
	WME048	Passive	Water Main	WME048 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	431.75	450	$ 675	$ 291,526		1	$ 291,526			$ 20	$ -	2011	1.00	$ 291,526	Y				
	WME049	Passive	Water Main	WME049 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	226.89	450	$ 675	$ 153,201		1	$ 153,201			$ 20	$ -	2011	1.00	$ 153,201	Y				
	WME050	Passive	Water Main	WME050 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	129.82	450	$ 675	$ 87,657		1	$ 87,657			$ 20	$ -	2011	1.00	$ 87,657	Y				
	WME051	Passive	Water Main	WME051 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	19.59	450	$ 675	$ 13,228		1	$ 13,228			$ 20	$ -	2011	1.00	$ 13,228	Y				
	WME052	Passive	Water Main	WME052 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	462.77	450	$ 675	$ 312,472		1	$ 312,472			$ 20	$ -	2011	1.00	$ 312,472		Y			
	WME053	Passive	Water Main	WME053 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	13.82	450	$ 675	$ 9,332		1	$ 9,332			$ 20	$ -	2011	1.00	$ 9,332	Y				
	WME054	Passive	Water Main	WME054 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	630.83	450	$ 675	$ 425,949		1	$ 425,949			$ 20	$ -	2011	1.00	$ 425,949		Y			
	WME055	Passive	Water Main	WME055 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	50.05	450	$ 675	$ 33,795		1	$ 33,795			$ 20	$ -	2011	1.00	$ 33,795		Y			
	WME056	Passive	Water Main	WME056 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	173.67	450	$ 675	$ 117,265		1	$ 117,265			$ 20	$ -	2011	1.00	$ 117,265	Y				
	WME057	Passive	Water Main	WME057 - Water Main - 600mm dia (AC)	Water Main - 600mm dia (AC)	Passive	1	600	$ 841	$ 841		1	$ 841			$ 20	$ -	2011	1.00	$ 841		Y			
	WME058	Passive	Water Main	WME058 - Water Main - 600mm dia (AC)	Water Main - 600mm dia (AC)	Passive	1.63	600	$ 841	$ 1,371		1	$ 1,371			$ 20	$ -	2011	1.00	$ 1,371		Y			
	WME059	Passive	Water Main	WME059 - Water Main - 150mm dia (PVC)	Water Main - 150mm dia (PVC)	Passive	63.78	150	$ 193	$ 12,304		1	$ 12,304			$ 20	$ -	2011	1.00	$ 12,304	Y				
	WME060	Passive	Water Main	WME060 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	1291.43	300	$ 325	$ 419,095		1	$ 419,095			$ 20	$ -	2011	1.00	$ 419,095	Y				
	WME061	Passive	Water Main	WME061 - Water Main - 200mm dia (AC)	Water Main - 200mm dia (AC)	Passive	474.67	200	$ 231	$ 109,673		1	$ 109,673			$ 20	$ -	2011	1.00	$ 109,673		Y			
	WME062	Passive	Water Main	WME062 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	476.12	300	$ 325	$ 154,510		1	$ 154,510			$ 20	$ -	2011	1.00	$ 154,510		Y			
	WME063	Passive	Water Main	WME063 - Water Main - 300mm dia (DICL)	Water Main - 300mm dia (DICL)	Passive	1462.44	300	$ 325	$ 474,591		1	$ 474,591			$ 20	$ -	2011	1.00	$ 474,591		Y			
	WME064	Passive	Water Main	WME064 - Water Main - 300mm dia (DICL)	Water Main - 300mm dia (DICL)	Passive	210.46	300	$ 325	$ 68,298		1	$ 68,298			$ 20	$ -	2011	1.00	$ 68,298		Y			
	WME065	Passive	Water Main	WME065 - Water Main - 150mm dia (AC)	Water Main - 150mm dia (AC)	Passive	216.7	150	$ 193	$ 41,806		1	$ 41,806			$ 20	$ -	2011	1.00	$ 41,806	Y				
	WME066	Passive	Water Main	WME066 - Water Main - 100mm dia (AC)	Water Main - 100mm dia (AC)	Passive	307.26	100	$ 174	$ 53,534		1	$ 53,534			$ 20	$ -	2011	1.00	$ 53,534		Y			
	WME067	Passive	Water Main	WME067 - Water Main - 75mm dia (AC)	Water Main - 75mm dia (AC)	Passive	35.39	75	$ 103	$ 3,658		1	$ 3,658			$ 20	$ -	2011	1.00	$ 3,658		Y			
	WME068	Passive	Water Main	WME068 - Water Main - 100mm dia (PVC)	Water Main - 100mm dia (PVC)	Passive	947.45	100	$ 174	$ 165,074		1	$ 165,074			$ 20	$ -	2011	1.00	$ 165,074			Y		
	WME069	Passive	Water Main	WME069 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	64.3	450	$ 675	$ 43,417		1	$ 43,417			$ 20	$ -	2011	1.00	$ 43,417	Y				
	WME070	Passive	Water Main (Asset to be re	WME070 - Water Main (Asset to be replaced & Augmented) - 80mm dia (AC)	Water Main (Asset to be replaced & Augmented) - 80mm dia (AC)	Passive	3761.93	80	$ 108	$ 407,868		1	$ 407,868			$ 20	$ -	2011	1.00	$ 407,868	Y				
	WME071	Passive	Water Main	WME071 - Water Main - 150mm dia (AC)	Water Main - 150mm dia (AC)	Passive	1617.39	150	$ 193	$ 312,027		1	$ 312,027			$ 20	$ -	2011	1.00	$ 312,027	Y				
	WME072	Passive	Water Main	WME072 - Water Main - 150mm dia (PVC)	Water Main - 150mm dia (PVC)	Passive	1373.18	150	$ 193	$ 264,914		1	$ 264,914			$ 20	$ -	2011	1.00	$ 264,914	Y				
	WME073	Passive	Water Main	WME073 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	61.01	300	$ 325	$ 19,799		1	$ 19,799			$ 20	$ -	2011	1.00	$ 19,799		Y			
	WME074	Passive	Water Main	WME074 - Water Main - 100mm dia (AC)	Water Main - 100mm dia (AC)	Passive	122.37	100	$ 174	$ 21,321		1	$ 21,321			$ 20	$ -	2011	1.00	$ 21,321				Y	
	WME075	Passive	Water Main	WME075 - Water Main - 100mm dia (PVC)	Water Main - 100mm dia (PVC)	Passive	445.31	100	$ 174	$ 77,586		1	$ 77,586			$ 20	$ -	2011	1.00	$ 77,586	Y				
	WME076	Passive	Water Main	WME076 - Water Main - 150mm dia (AC)	Water Main - 150mm dia (AC)	Passive	261.97	150	$ 193	$ 50,539		1	$ 50,539			$ 20	$ -	2011	1.00	$ 50,539				Y	
	WME077	Passive	Water Main	WME077 - Water Main - 100mm dia (AC)	Water Main - 100mm dia (AC)	Passive	516.22	100	$ 174	$ 89,941		1	$ 89,941			$ 20	$ -	2011	1.00	$ 89,941				Y	
	WME078	Passive	Water Main	WME078 - Water Main - 100mm dia (AC)	Water Main - 100mm dia (AC)	Passive	917.62	100	$ 174	$ 159,877		1	$ 159,877			$ 20	$ -	2011	1.00	$ 159,877				Y	
	WME079	Passive	Water Main	WME079 - Water Main - 100mm dia (AC)	Water Main - 100mm dia (AC)	Passive	419.22	100	$ 174	$ 73,041		1	$ 73,041			$ 20	$ -	2011	1.00	$ 73,041				Y	
	WME080	Passive	Water Main	WME080 - Water Main - 100mm dia (AC)	Water Main - 100mm dia (AC)	Passive	596.2	100	$ 174	$ 103,876		1	$ 103,876			$ 20	$ -	2011	1.00	$ 103,876				Y	
	WME081	Passive	Water Main	WME081 - Water Main - 100mm dia (AC)	Water Main - 100mm dia (AC)	Passive	893	100	$ 174	$ 155,587		1	$ 155,587			$ 20	$ -	2011	1.00	$ 155,587				Y	
									$ -	$ -		1	$ -			$ 20	$ -		1.00	$ -					
	WME083	Passive	Water Main	WME083 - Water Main - 150mm dia (AC)	Water Main - 150mm dia (AC)	Passive	527.23	150	$ 193	$ 101,713		1	$ 101,713			$ 20	$ -	2011	1.00	$ 101,713			Y		
	WME084	Passive	Water Main	WME084 - Water Main - 150mm dia (AC)	Water Main - 150mm dia (AC)	Passive	685.51	150	$ 193	$ 132,249		1	$ 132,249			$ 20	$ -	2011	1.00	$ 132,249			Y		
	WME085	Passive	Water Main	WME085 - Water Main - 150mm dia (AC)	Water Main - 150mm dia (AC)	Passive	882.43	150	$ 193	$ 170,238		1	$ 170,238			$ 20	$ -	2011	1.00	$ 170,238			Y		
	WME086	Passive	Water Main	WME086 - Water Main - 150mm dia (AC)	Water Main - 150mm dia (AC)	Passive	209.53	150	$ 193	$ 40,423		1	$ 40,423			$ 20	$ -	2011	1.00	$ 40,423			Y		
	WME087	Passive	Water Main	WME087 - Water Main - 225mm dia (DICL)	Water Main - 225mm dia (DICL)	Passive	1812.9	225	$ 257	$ 466,332		1	$ 466,332			$ 20	$ -	2011	1.00	$ 466,332			Y		
	WME088	Passive	Water Main	WME088 - Water Main - 225mm dia (DICL)	Water Main - 225mm dia (DICL)	Passive	1926.72	225	$ 257	$ 495,610		1	$ 495,610			$ 20	$ -	2011	1.00	$ 495,610			Y		
	WME089	Passive	Water Main	WME089 - Water Main - 225mm dia (PVC)	Water Main - 225mm dia (PVC)	Passive	2380.12	225	$ 257	$ 612,238		1	$ 612,238			$ 20	$ -	2011	1.00	$ 612,238			Y		
	WME090	Passive	Water Main	WME090 - Water Main - 225mm dia (PVC)	Water Main - 225mm dia (PVC)	Passive	1916.3	225	$ 257	$ 492,930		1	$ 492,930			$ 20	$ -	2011	1.00	$ 492,930			Y		
	WME091	Passive	Water Main	WME091 - Water Main - 150mm dia (AC)	Water Main - 150mm dia (AC)	Passive	164.07	150	$ 193	$ 31,652		1	$ 31,652			$ 20	$ -	2011	1.00	$ 31,652			Y		
	WME092	Passive	Water Main	WME092 - Water Main - 150mm dia (AC)	Water Main - 150mm dia (AC)	Passive	682.99	150	$ 193	$ 131,762		1	$ 131,762			$ 20	$ -	2011	1.00	$ 131,762			Y		
	WME093	Passive	Water Main	WME093 - Water Main - 150mm dia (AC)	Water Main - 150mm dia (AC)	Passive	80.99	150	$ 193	$ 15,625		1	$ 15,625			$ 20	$ -	2011	1.00	$ 15,625			Y		
	WME094	Passive	Water Main	WME094 - Water Main - 150mm dia (AC)	Water Main - 150mm dia (AC)	Passive	1342.23	150	$ 193	$ 258,943		1	$ 258,943			$ 20	$ -	2011	1.00	$ 258,943			Y		
	WME095	Passive	Water Main	WME095 - Water Main - 150mm dia (AC)	Water Main - 150mm dia (AC)	Passive	90.45	150	$ 193	$ 17,450		1	$ 17,450			$ 20	$ -	2011	1.00	$ 17,450			Y		
	WME096	Passive	Water Main	WME096 - Water Main - 150mm dia (AC)	Water Main - 150mm dia (AC)	Passive	619.97	150	$ 193	$ 119,605		1	$ 119,605			$ 20	$ -	2011	1.00	$ 119,605			Y		
	WME097	Passive	Water Main	WME097 - Water Main - 150mm dia (AC)	Water Main - 150mm dia (AC)	Passive	1379.67	150	$ 193	$ 266,166		1	$ 266,166			$ 20	$ -	2011	1.00	$ 266,166			Y		
	WME098	Passive	Water Main	WME098 - Water Main - 150mm dia (AC)	Water Main - 150mm dia (AC)	Passive	919.96	150	$ 193	$ 177,479		1	$ 177,479			$ 20	$ -	2011	1.00	$ 177,479			Y		
	WME099	Passive	Water Main	WME099 - Water Main - 225mm dia (PVC)	Water Main - 225mm dia (PVC)	Passive	1461.05	225	$ 257	$ 375,826		1	$ 375,826			$ 20	$ -	2011	1.00	$ 375,826			Y		
	WME100	Passive	Water Main	WME100 - Water Main - 225mm dia (PVC)	Water Main - 225mm dia (PVC)	Passive	1350.89	225	$ 257	$ 347,489		1	$ 347,489			$ 20	$ -	2011	1.00	$ 347,489			Y		
	WME101	Passive	Water Main	WME101 - Water Main - 225mm dia (PVC)	Water Main - 225mm dia (PVC)	Passive	2792.4	225	$ 257	$ 718,289		1	$ 718,289			$ 20	$ -	2011	1.00	$ 718,289			Y		
	WME102	Passive	Water Main	WME102 - Water Main - 225mm dia (DICL)	Water Main - 225mm dia (DICL)	Passive	242.47	225	$ 257	$ 62,371		1	$ 62,371			$ 20	$ -	2011	1.00	$ 62,371			Y		
	WME103	Passive	Water Main	WME103 - Water Main - 225mm dia (PVC)	Water Main - 225mm dia (PVC)	Passive	714.75	225	$ 257	$ 183,855		1	$ 183,855			$ 20	$ -	2011	1.00	$ 183,855			Y		
	WME104	Passive	Water Main	WME104 - Water Main - 225mm dia (PVC)	Water Main - 225mm dia (PVC)	Passive	452.52	225	$ 257	$ 116,402		1	$ 116,402			$ 20	$ -	2011	1.00	$ 116,402			Y		
	WME105	Passive	Water Main	WME105 - Water Main - 225mm dia (PVC)	Water Main - 225mm dia (PVC)	Passive	206.99	225	$ 257	$ 53,244		1	$ 53,244			$ 20	$ -	2011	1.00	$ 53,244			Y		
	WME106	Passive	Water Main	WME106 - Water Main - 225mm dia (PVC)	Water Main - 225mm dia (PVC)	Passive	1171.88	225	$ 257	$ 301,443		1	$ 301,443			$ 20	$ -	2011	1.00	$ 301,443			Y		
	WME107	Passive	Water Main	WME107 - Water Main - 100mm dia (AC)	Water Main - 100mm dia (AC)	Passive	887.73	100	$ 174	$ 154,669		1	$ 154,669			$ 20	$ -	2011	1.00	$ 154,669			Y		
	WME108	Passive	Water Main	WME108 - Water Main - 100mm dia (AC)	Water Main - 100mm dia (AC)	Passive	1967.67	100	$ 174	$ 342,827		1	$ 342,827			$ 20	$ -	2011	1.00	$ 342,827			Y		
	WME109	Passive	Water Main	WME109 - Water Main - 100mm dia (AC)	Water Main - 100mm dia (AC)	Passive	803.63	100	$ 174	$ 140,016		1	$ 140,016			$ 20	$ -	2011	1.00	$ 140,016			Y		
	WME110	Passive	Water Main	WME110 - Water Main - 100mm dia (AC)	Water Main - 100mm dia (AC)	Passive	855.33	100	$ 174	$ 149,024		1	$ 149,024			$ 20	$ -	2011	1.00	$ 149,024			Y		
	WME111	Passive	Water Main	WME111 - Water Main - 75mm dia (AC)	Water Main - 75mm dia (AC)	Passive	15.86	75	$ 103	$ 1,639		1	$ 1,639			$ 20	$ -	2011	1.00	$ 1,639			Y		
	WME112	Passive	Water Main	WME112 - Water Main - 75mm dia (AC)	Water Main - 75mm dia (AC)	Passive	1999.85	75	$ 103	$ 206,713		1	$ 206,713			$ 20	$ -	2011	1.00	$ 206,713		Y	Y		**Y**
	WME113	Passive	Water Main	WME113 - Water Main - 100mm dia (PVC)	Water Main - 100mm dia (PVC)	Passive	1381.03	100	$ 174	$ 240,617		1	$ 240,617			$ 20	$ -	2011	1.00	$ 240,617		Y			
	WME114	Passive	Water Main	WME114 - Water Main - 225mm dia (PVC)	Water Main - 225mm dia (PVC)	Passive	2029.89	225	$ 257	$ 522,149		1	$ 522,149			$ 20	$ -	2011	1.00	$ 522,149		Y			
	WME115	Passive	Water Main	WME115 - Water Main - 225mm dia (PVC)	Water Main - 225mm dia (PVC)	Passive	487.11	225	$ 257	$ 125,299		1	$ 125,299			$ 20	$ -	2011	1.00	$ 125,299		Y			
	WME116	Passive	Water Main	WME116 - Water Main - 150mm dia (AC)	Water Main - 150mm dia (AC)	Passive	872.89	150	$ 193	$ 168,398		1	$ 168,398			$ 20	$ -	2011	1.00	$ 168,398		Y			
	WME117	Passive	Water Main	WME117 - Water Main - 150mm dia (AC)	Water Main - 150mm dia (AC)	Passive	1178.26	150	$ 193	$ 227,310		1	$ 227,310			$ 20	$ -	2011	1.00	$ 227,310		Y			
	WME118	Passive	Water Main	WME118 - Water Main - 150mm dia (AC)	Water Main - 150mm dia (AC)	Passive	1398.4	150	$ 193	$ 269,779		1	$ 269,779			$ 20	$ -	2011	1.00	$ 269,779		Y			
	WME119	Passive	Water Main	WME119 - Water Main - 200mm dia (AC)	Water Main - 200mm dia (AC)	Passive	2122.84	200	$ 231	$ 490,482		1	$ 490,482			$ 20	$ -	2011	1.00	$ 490,482	Y				
	WME120	Passive	Water Main	WME120 - Water Main - 150mm dia (AC)	Water Main - 150mm dia (AC)	Passive	1074.16	150	$ 193	$ 207,227		1	$ 207,227			$ 20	$ -	2011	1.00	$ 207,227	Y				
	WME121	Passive	Water Main	WME121 - Water Main - 150mm dia (AC)	Water Main - 150mm dia (AC)	Passive	560.76	150	$ 193	$ 108,182		1	$ 108,182			$ 20	$ -	2011	1.00	$ 108,182		Y			
	WME122	Passive	Water Main	WME122 - Water Main - 150mm dia (AC)	Water Main - 150mm dia (AC)	Passive	1431.4	150	$ 193	$ 276,146		1	$ 276,146			$ 20	$ -	2011	1.00	$ 276,146	Y	Y			**Y**
	WME123	Passive	Water Main	WME123 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	511.14	450	$ 675	$ 345,132		1	$ 345,132			$ 20	$ -	2011	1.00	$ 345,132		Y			
	WME124	Passive	Water Main	WME124 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	1185.16	450	$ 675	$ 800,244		1	$ 800,244			$ 20	$ -	2011	1.00	$ 800,244		Y			
	WME125	Passive	Water Main	WME125 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	453.58	450	$ 675	$ 306,266		1	$ 306,266			$ 20	$ -	2011	1.00	$ 306,266		Y			
	WME126	Passive	Water Main	WME126 - Water Main - 150mm dia (AC)	Water Main - 150mm dia (AC)	Passive	273.68	150	$ 193	$ 52,798		1	$ 52,798			$ 20	$ -	2011	1.00	$ 52,798		Y			

Douglas Shire Council
Water Supply

Return to "Existing Trunk Assets"

EXISTING TRUNK ASSETS

Land Valuation Type	Location

Asset Data																					Catchment Asset Allocation				
Basic Asset Data						Asset Attributes			Baseline Asset Valuation					Land Attributes				Refined Asset Value							
Asset ID	LGIP ID	Asset Type (*)	Asset Class	Asset Name	Description	Unit Rate Type (*)	Length/unit (*)	Diameter (*)	Unit Rate	Baseline Valuation	Site/Condition	Multiplier	Gross Value	Land Location/Type	Size of land (ha) (*)	Unit Cost	Land Value	Valuation Year	Escalation	Current Replacement	PORT DOUGLAS (W1)	MOSSMAN (W2)	WHYANBEEL (W3)	DAINTREE (W4)	SHARED TREATMENT (W1&W2)
																					1	2	3	4	5
Councils ID (from GIS, FAR, AMA etc.)	ID from the LGIP drawings		Reservoir, Trunk Main, etc.							May be calculated from unit rates OR unique values can be direct entered										CRC	25,969	7,519	2,762	334	33,488
	WME127	Passive	Water Main	WME127 - Water Main - 200mm dia (AC)	Water Main - 200mm dia (AC)	Passive	274.52	200	$ 231	$ 63,428		1	$ 63,428			$ 20	$ -	2011	1.00	$ 63,428		Y			
	WME128	Passive	Water Main	WME128 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	90.82	300	$ 325	$ 29,473		1	$ 29,473			$ 20	$ -	2011	1.00	$ 29,473		Y			
	WME129	Passive	Water Main	WME129 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	68.81	300	$ 325	$ 22,330		1	$ 22,330			$ 20	$ -	2011	1.00	$ 22,330		Y			
	WME130	Passive	Water Main	WME130 - Water Main - 600mm dia (DICL)	Water Main - 600mm dia (DICL)	Passive	637.67	600	$ 841	$ 536,421		1	$ 536,421			$ 20	$ -	2011	1.00	$ 536,421		Y			
	WME131	Passive	Water Main	WME131 - Water Main - 600mm dia (DICL)	Water Main - 600mm dia (DICL)	Passive	635.38	600	$ 841	$ 534,494		1	$ 534,494			$ 20	$ -	2011	1.00	$ 534,494		Y			
	WME132	Passive	Water Main	WME132 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	115.11	300	$ 325	$ 37,355		1	$ 37,355			$ 20	$ -	2011	1.00	$ 37,355		Y			
	WME133	Passive	Water Main	WME133 - Water Main - 200mm dia (AC)	Water Main - 200mm dia (AC)	Passive	876.82	200	$ 231	$ 202,589		1	$ 202,589			$ 20	$ -	2011	1.00	$ 202,589		Y			
	WME134	Passive	Water Main	WME134 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	1588.93	300	$ 325	$ 515,640		1	$ 515,640			$ 20	$ -	2011	1.00	$ 515,640		Y			
	WME135	Passive	Water Main	WME135 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	475.42	300	$ 325	$ 154,283		1	$ 154,283			$ 20	$ -	2011	1.00	$ 154,283		Y			
	WME136	Passive	Water Main	WME136 - Water Main - 525mm dia (MS)	Water Main - 525mm dia (MS)	Passive	1037.34	525	$ 802	$ 831,903		1	$ 831,903			$ 20	$ -	2011	1.00	$ 831,903		Y			
	WME137	Passive	Water Main	WME137 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	306.36	300	$ 325	$ 99,420		1	$ 99,420			$ 20	$ -	2011	1.00	$ 99,420		Y			
	WME138	Passive	Water Main	WME138 - Water Main - 225mm dia (DICL)	Water Main - 225mm dia (DICL)	Passive	214.36	225	$ 257	$ 55,140		1	$ 55,140			$ 20	$ -	2011	1.00	$ 55,140		Y			
	WME139	Passive	Water Main	WME139 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	1471.01	300	$ 325	$ 477,372		1	$ 477,372			$ 20	$ -	2011	1.00	$ 477,372		Y			
	WME140	Passive	Water Main	WME140 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	1359.26	300	$ 325	$ 441,107		1	$ 441,107			$ 20	$ -	2011	1.00	$ 441,107		Y			
	WME141	Passive	Water Main	WME141 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	110.84	300	$ 325	$ 35,970		1	$ 35,970			$ 20	$ -	2011	1.00	$ 35,970	Y	Y			Y
	WME142	Passive	Water Main	WME142 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	1018.53	300	$ 325	$ 330,533		1	$ 330,533			$ 20	$ -	2011	1.00	$ 330,533	Y				
	WME143	Passive	Water Main	WME143 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	371.47	300	$ 325	$ 120,549		1	$ 120,549			$ 20	$ -	2011	1.00	$ 120,549	Y				
	WME144	Passive	Water Main	WME144 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	869.95	300	$ 325	$ 282,316		1	$ 282,316			$ 20	$ -	2011	1.00	$ 282,316	Y				
	WME145	Passive	Water Main	WME145 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	1606.2	450	$ 675	$ 1,084,538		1	$ 1,084,538			$ 20	$ -	2011	1.00	$ 1,084,538		Y			
	WME146	Passive	Water Main	WME146 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	2334.94	450	$ 675	$ 1,576,598		1	$ 1,576,598			$ 20	$ -	2011	1.00	$ 1,576,598	Y	Y			Y
	WME147	Passive	Water Main	WME147 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	908.77	450	$ 675	$ 613,620		1	$ 613,620			$ 20	$ -	2011	1.00	$ 613,620	Y				
	WME148	Passive	Water Main	WME148 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	2454.43	450	$ 675	$ 1,657,280		1	$ 1,657,280			$ 20	$ -	2011	1.00	$ 1,657,280	Y				
	WME149	Passive	Water Main	WME149 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	1939.08	450	$ 675	$ 1,309,306		1	$ 1,309,306			$ 20	$ -	2011	1.00	$ 1,309,306	Y				
	WME150	Passive	Water Main	WME150 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	1071.21	450	$ 675	$ 723,302		1	$ 723,302			$ 20	$ -	2011	1.00	$ 723,302	Y				
	WME151	Passive	Water Main	WME151 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	1610.03	450	$ 675	$ 1,087,124		1	$ 1,087,124			$ 20	$ -	2011	1.00	$ 1,087,124	Y				
	WME152	Passive	Water Main	WME152 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	300.81	450	$ 675	$ 203,113		1	$ 203,113			$ 20	$ -	2011	1.00	$ 203,113	Y				
	WME153	Passive	Water Main	WME153 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	983.49	450	$ 675	$ 664,072		1	$ 664,072			$ 20	$ -	2011	1.00	$ 664,072	Y				
	WME154	Passive	Water Main	WME154 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	1596.41	450	$ 675	$ 1,077,928		1	$ 1,077,928			$ 20	$ -	2011	1.00	$ 1,077,928	Y				
	WME155	Passive	Water Main	WME155 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	845.22	300	$ 325	$ 274,291		1	$ 274,291			$ 20	$ -	2011	1.00	$ 274,291	Y				
	WME156	Passive	Water Main	WME156 - Water Main - 375mm dia (AC)	Water Main - 375mm dia (AC)	Passive	569.88	375	$ 627	$ 357,520		1	$ 357,520			$ 20	$ -	2011	1.00	$ 357,520	Y				
	WME157	Passive	Water Main	WME157 - Water Main - 375mm dia (AC)	Water Main - 375mm dia (AC)	Passive	1167.88	375	$ 627	$ 732,681		1	$ 732,681			$ 20	$ -	2011	1.00	$ 732,681	Y				
	WME158	Passive	Water Main	WME158 - Water Main - 375mm dia (AC)	Water Main - 375mm dia (AC)	Passive	686.06	375	$ 627	$ 430,407		1	$ 430,407			$ 20	$ -	2011	1.00	$ 430,407	Y				
	WME159	Passive	Water Main	WME159 - Water Main - 375mm dia (AC)	Water Main - 375mm dia (AC)	Passive	1347.97	375	$ 627	$ 845,662		1	$ 845,662			$ 20	$ -	2011	1.00	$ 845,662	Y				
	WME160	Passive	Water Main	WME160 - Water Main - 375mm dia (AC)	Water Main - 375mm dia (AC)	Passive	951.87	375	$ 627	$ 597,165		1	$ 597,165			$ 20	$ -	2011	1.00	$ 597,165	Y				
	WME161	Passive	Water Main	WME161 - Water Main - 375mm dia (AC)	Water Main - 375mm dia (AC)	Passive	563.51	375	$ 627	$ 353,524		1	$ 353,524			$ 20	$ -	2011	1.00	$ 353,524	Y				
	WME162	Passive	Water Main	WME162 - Water Main - 375mm dia (AC)	Water Main - 375mm dia (AC)	Passive	416.37	375	$ 627	$ 261,214		1	$ 261,214			$ 20	$ -	2011	1.00	$ 261,214	Y				
	WME163	Passive	Water Main	WME163 - Water Main - 375mm dia (AC)	Water Main - 375mm dia (AC)	Passive	43.81	375	$ 627	$ 27,485		1	$ 27,485			$ 20	$ -	2011	1.00	$ 27,485	Y				
	WME164	Passive	Water Main	WME164 - Water Main - 525mm dia (HOBAS)	Water Main - 525mm dia (HOBAS)	Passive	62.77	525	$ 802	$ 50,339		1	$ 50,339			$ 20	$ -	2011	1.00	$ 50,339	Y				
	WME165	Passive	Water Main	WME165 - Water Main - 450mm dia (HOBAS)	Water Main - 450mm dia (HOBAS)	Passive	144.31	450	$ 675	$ 97,441		1	$ 97,441			$ 20	$ -	2011	1.00	$ 97,441	Y				
	WME166	Passive	Water Main	WME166 - Water Main - 450mm dia (HOBAS)	Water Main - 450mm dia (HOBAS)	Passive	131.76	450	$ 675	$ 88,967		1	$ 88,967			$ 20	$ -	2011	1.00	$ 88,967	Y				
	WME167	Passive	Water Main	WME167 - Water Main - 450mm dia (HOBAS)	Water Main - 450mm dia (HOBAS)	Passive	206.48	450	$ 675	$ 139,419		1	$ 139,419			$ 20	$ -	2011	1.00	$ 139,419	Y				
	WME168	Passive	Water Main	WME168 - Water Main - 375mm dia (AC)	Water Main - 375mm dia (AC)	Passive	334.46	375	$ 627	$ 209,827		1	$ 209,827			$ 20	$ -	2011	1.00	$ 209,827	Y				
	WME169	Passive	Water Main	WME169 - Water Main - 375mm dia (AC)	Water Main - 375mm dia (AC)	Passive	508.18	375	$ 627	$ 318,812		1	$ 318,812			$ 20	$ -	2011	1.00	$ 318,812	Y				
	WME170	Passive	Water Main	WME170 - Water Main - 375mm dia (AC)	Water Main - 375mm dia (AC)	Passive	326.36	375	$ 627	$ 204,745		1	$ 204,745			$ 20	$ -	2011	1.00	$ 204,745	Y				
	WME171	Passive	Water Main	WME171 - Water Main - 300mm dia (DICL)	Water Main - 300mm dia (DICL)	Passive	990.29	300	$ 325	$ 321,369		1	$ 321,369			$ 20	$ -	2011	1.00	$ 321,369	Y				
	WME172	Passive	Water Main	WME172 - Water Main - 300mm dia (DICL)	Water Main - 300mm dia (DICL)	Passive	425.61	300	$ 325	$ 138,119		1	$ 138,119			$ 20	$ -	2011	1.00	$ 138,119	Y				
	WME173	Passive	Water Main	WME173 - Water Main - 300mm dia (DICL)	Water Main - 300mm dia (DICL)	Passive	206.28	300	$ 325	$ 66,942		1	$ 66,942			$ 20	$ -	2011	1.00	$ 66,942	Y				
	WME174	Passive	Water Main	WME174 - Water Main - 300mm dia (DICL)	Water Main - 300mm dia (DICL)	Passive	142	300	$ 325	$ 46,082		1	$ 46,082			$ 20	$ -	2011	1.00	$ 46,082	Y				
	WME175	Passive	Water Main	WME175 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	783.29	450	$ 675	$ 528,893		1	$ 528,893			$ 20	$ -	2011	1.00	$ 528,893	Y				
	WME176	Passive	Water Main	WME176 - Water Main - 100mm dia (AC)	Water Main - 100mm dia (AC)	Passive	410.36	100	$ 174	$ 71,497		1	$ 71,497			$ 20	$ -	2011	1.00	$ 71,497	Y				
	WME177	Passive	Water Main	WME177 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	21.01	300	$ 325	$ 6,818		1	$ 6,818			$ 20	$ -	2011	1.00	$ 6,818	Y				
	WME178	Passive	Water Main	WME178 - Water Main - 375mm dia (AC)	Water Main - 375mm dia (AC)	Passive	173.76	375	$ 627	$ 109,010		1	$ 109,010			$ 20	$ -	2011	1.00	$ 109,010	Y				
	WME179	Passive	Water Main	WME179 - Water Main - 375mm dia (AC)	Water Main - 375mm dia (AC)	Passive	263.39	375	$ 627	$ 165,240		1	$ 165,240			$ 20	$ -	2011	1.00	$ 165,240	Y				
	WME180	Passive	Water Main	WME180 - Water Main - 375mm dia (AC)	Water Main - 375mm dia (AC)	Passive	122.42	375	$ 627	$ 76,801		1	$ 76,801			$ 20	$ -	2011	1.00	$ 76,801	Y				
	WME181	Passive	Water Main	WME181 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	335.63	300	$ 325	$ 108,919		1	$ 108,919			$ 20	$ -	2011	1.00	$ 108,919	Y				
	WME182	Passive	Water Main	WME182 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	710.46	300	$ 325	$ 230,558		1	$ 230,558			$ 20	$ -	2011	1.00	$ 230,558	Y				
	WME183	Passive	Water Main	WME183 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	1320.26	300	$ 325	$ 428,451		1	$ 428,451			$ 20	$ -	2011	1.00	$ 428,451	Y				
	WME184	Passive	Water Main	WME184 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	631.63	300	$ 325	$ 204,977		1	$ 204,977			$ 20	$ -	2011	1.00	$ 204,977	Y				
	WME185	Passive	Water Main	WME185 - Water Main - 300mm dia (AC)	Water Main - 300mm dia (AC)	Passive	164.49	300	$ 325	$ 53,380		1	$ 53,380			$ 20	$ -	2011	1.00	$ 53,380	Y				
	WME186	Passive	Water Main	WME186 - Water Main - 75mm dia (AC)	Water Main - 75mm dia (AC)	Passive	1961.14	75	$ 103	$ 202,712		1	$ 202,712			$ 20	$ -	2011	1.00	$ 202,712	Y				
	WME187	Passive	Water Main	WME187 - Water Main - 75mm dia (AC)	Water Main - 75mm dia (AC)	Passive	929.49	75	$ 103	$ 96,076		1	$ 96,076			$ 20	$ -	2011	1.00	$ 96,076	Y				
	WME188	Passive	Water Main	WME188 - Water Main - 75mm dia (AC)	Water Main - 75mm dia (AC)	Passive	1963.16	75	$ 103	$ 202,920		1	$ 202,920			$ 20	$ -	2011	1.00	$ 202,920	Y				
	WME189	Passive	Water Main	WME189 - Water Main - 75mm dia (AC)	Water Main - 75mm dia (AC)	Passive	1357.99	75	$ 103	$ 140,367		1	$ 140,367			$ 20	$ -	2011	1.00	$ 140,367	Y				
	WME190	Passive	Water Main	WME190 - Water Main - 450mm dia (DICL)	Water Main - 450mm dia (DICL)	Passive	929.44	450	$ 675	$ 627,576		1	$ 627,576			$ 20	$ -	2011	1.00	$ 627,576		Y			
	WME191	Passive	Water Main	WME191 - Water Main - 50mm dia (PVC)	Water Main - 50mm dia (PVC)	Passive	321.16	50	$ 79	$ 25,455		1	$ 25,455			$ 20	$ -	2011	1.00	$ 25,455			Y		
	WME192	Passive	Water Main	WME192 - Water Main - 50mm dia (PVC)	Water Main - 50mm dia (PVC)	Passive	3.05	50	$ 79	$ 242		1	$ 242			$ 20	$ -	2011	1.00	$ 242			Y		
	WME193	Passive	Water Main	WME193 - Water Main - 100 mm dia (DICL)	Water Main - 100 mm dia (DICL)	Passive	1291	100	$ 174	$ 224,931		1	$ 224,931			$ 20	$ -	2011	1.00	$ 224,931	Y				
	WME194	Passive	Water Main	WME194 - Water Main - 100 mm dia (AC)	Water Main - 100 mm dia (AC)	Passive	592.9	100	$ 174	$ 103,301		1	$ 103,301			$ 20	$ -	2011	1.00	$ 103,301		Y			
	WME195	Passive	Water Main	WME195 - Water Main - 100 mm dia (AC)	Water Main - 100 mm dia (AC)	Passive	366.33	100	$ 174	$ 63,826		1	$ 63,826			$ 20	$ -	2011	1.00	$ 63,826		Y			
	WME196	Passive	Water Main	WME196 - Water Main - 100 mm dia (AC)	Water Main - 100 mm dia (AC)	Passive	871.59	100	$ 174	$ 151,857		1	$ 151,857			$ 20	$ -	2011	1.00	$ 151,857		Y			
	WME197	Passive	Water Main	WME197 - Water Main - 100 mm dia (AC)	Water Main - 100 mm dia (AC)	Passive	1990	100	$ 174	$ 346,718		1	$ 346,718			$ 20	$ -	2011	1.00	$ 346,718			Y		
	WME198	Passive	Water Main	WME198 - Water Main - 100 mm dia (AC)	Water Main - 100 mm dia (AC)	Passive	1420	100	$ 174	$ 247,407		1	$ 247,407			$ 20	$ -	2011	1.00	$ 247,407			Y		
	WME199	Passive	Water Main	WME199 - Water Main - 100 mm dia (AC)	Water Main - 100 mm dia (AC)	Passive	1772	100	$ 174	$ 308,736		1	$ 308,736			$ 20	$ -	2011	1.00	$ 308,736			Y		
	WME200	Passive	Water Main	WME200 - Water Main - 100 mm dia (AC)	Water Main - 100 mm dia (AC)	Passive	788.44	100	$ 174	$ 137,370		1	$ 137,370			$ 20	$ -	2011	1.00	$ 137,370			Y		
	WME201	Passive	Water Main	WME201 - Water Main - 100 mm dia (AC)	Water Main - 100 mm dia (AC)	Passive	181.59	100	$ 174	$ 31,638		1	$ 31,638			$ 20	$ -	2011	1.00	$ 31,638				Y	
	WME202	Passive	Water Main	WME202 - Water Main - 100 mm dia (AC)	Water Main - 100 mm dia (AC)	Passive	2217	100	$ 174	$ 386,268		1	$ 386,268			$ 20	$ -	2011	1.00	$ 386,268			Y		
									$ -	$ -		1	$ -			$ 20	$ -	2011	1.00	$ -					

Douglas Shire Council
Water Supply

EXISTING TRUNK ASSETS

Return to "Existing Trunk Assets"

Land Valuation Type	Location

Asset Data																					Catchment Asset Allocation				
Basic Asset Data						Asset Attributes			Baseline Asset Valuation					Land Attributes				Refined Asset Value							
Asset ID	LGIP ID	Asset Type (*)	Asset Class	Asset Name	Description	Unit Rate Type (*)	Length/unit (*)	Diameter (*)	Unit Rate	Baseline Valuation	Site/Condition	Multiplier	Gross Value	Land Location/Type	Size of land (ha) (*)	Unit Cost	Land Value	Valuation Year	Escalation	Current Replacement Cost	PORT DOUGLAS (W1)	MOSSMAN (W2)	WHYANBEEL (W3)	DAINTREE (W4)	SHARED TREATMENT (W1&W2)
																					1	2	3	4	5
Councils ID (from GIS, FAR, AMA etc.)	ID from the LGIP drawings		Reservoir, Trunk Main, etc.							May be calculated from unit rates OR unique values can be direct entered										CRC	25,969	7,519	2,762	334	33,488
RECYCLED WATER RETICULATION NETWORK																									
Pipe_ID : 117283	RWME001	Passive	Water Main	RWME001 - Recycled Water Main - 80 mm (PVC)_PN16 OPVC	Recycled Water Main - 80 mm (PVC)_PN16 OPVC	Passive	3.622031	80	$ 108	$ 393		1	$ 393			$ 20	$ -	2011	1.00	$ 393		Y			
Pipe_ID : 117244	RWME002	Passive	Water Main	RWME002 - Recycled Water Main - 80 mm (PVC)_PN16 OPVC	Recycled Water Main - 80 mm (PVC)_PN16 OPVC	Passive	3.735441	80	$ 108	$ 405		1	$ 405			$ 20	$ -	2011	1.00	$ 405		Y			
Pipe_ID : 117263	RWME003	Passive	Water Main	RWME003 - Recycled Water Main - 80 mm (PVC)_PN16 OPVC	Recycled Water Main - 80 mm (PVC)_PN16 OPVC	Passive	3.630018	80	$ 108	$ 394		1	$ 394			$ 20	$ -	2011	1.00	$ 394		Y			
Pipe_ID : 117266	RWME004	Passive	Water Main	RWME004 - Recycled Water Main - 80 mm (PVC)_PN16 OPVC	Recycled Water Main - 80 mm (PVC)_PN16 OPVC	Passive	3.764433	80	$ 108	$ 408		1	$ 408			$ 20	$ -	2011	1.00	$ 408		Y			
Pipe_ID : 117281	RWME005	Passive	Water Main	RWME005 - Recycled Water Main - 80 mm (PVC)_PN16 OPVC	Recycled Water Main - 80 mm (PVC)_PN16 OPVC	Passive	2.886939	80	$ 108	$ 313		1	$ 313			$ 20	$ -	2011	1.00	$ 313		Y			
Pipe_ID : 115088	RWME006	Passive	Water Main	RWME006 - Recycled Water Main - 200 mm (PVC)_	Recycled Water Main - 200 mm (PVC)_	Passive	132.2553	200	$ 231	$ 30,558		1	$ 30,558			$ 20	$ -	2011	1.00	$ 30,558	Y				
Pipe_ID : 115091	RWME007	Passive	Water Main	RWME007 - Recycled Water Main - 200 mm (PVC)_	Recycled Water Main - 200 mm (PVC)_	Passive	837.3181	200	$ 231	$ 193,462		1	$ 193,462			$ 20	$ -	2011	1.00	$ 193,462	Y				
Pipe_ID : 115086	RWME008	Passive	Water Main	RWME008 - Recycled Water Main - 200 mm (PVC)_	Recycled Water Main - 200 mm (PVC)_	Passive	49.79064	200	$ 231	$ 11,504		1	$ 11,504			$ 20	$ -	2011	1.00	$ 11,504	Y				
Pipe_ID : 115084	RWME009	Passive	Water Main	RWME009 - Recycled Water Main - 200 mm (PVC)_	Recycled Water Main - 200 mm (PVC)_	Passive	349.1577	200	$ 231	$ 80,673		1	$ 80,673			$ 20	$ -	2011	1.00	$ 80,673	Y				
Pipe_ID : 115082	RWME010	Passive	Water Main	RWME010 - Recycled Water Main - 200 mm (PVC)_	Recycled Water Main - 200 mm (PVC)_	Passive	360.1089	200	$ 231	$ 83,203		1	$ 83,203			$ 20	$ -	2011	1.00	$ 83,203	Y				
Pipe_ID : 115080	RWME011	Passive	Water Main	RWME011 - Recycled Water Main - 200 mm (PVC)_	Recycled Water Main - 200 mm (PVC)_	Passive	320.1703	200	$ 231	$ 73,975		1	$ 73,975			$ 20	$ -	2011	1.00	$ 73,975	Y				
Pipe_ID : 115078	RWME012	Passive	Water Main	RWME012 - Recycled Water Main - 200 mm (PVC)_	Recycled Water Main - 200 mm (PVC)_	Passive	1163.412	200	$ 231	$ 268,806		1	$ 268,806			$ 20	$ -	2011	1.00	$ 268,806	Y				
Pipe_ID : 117341	RWME013	Passive	Water Main	RWME013 - Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Passive	159.8648	150	$ 193	$ 30,841		1	$ 30,841			$ 20	$ -	2011	1.00	$ 30,841		Y			
Pipe_ID : 117267	RWME014	Passive	Water Main	RWME014 - Recycled Water Main - 180 mm (HDPE)_PN16 PE100	Recycled Water Main - 180 mm (HDPE)_PN16 PE100	Passive	88.94219	180	$ 216	$ 19,194		1	$ 19,194			$ 20	$ -	2011	1.00	$ 19,194		Y			
Pipe_ID : 117350	RWME015	Passive	Water Main	RWME015 - Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Passive	59.58455	150	$ 193	$ 11,495		1	$ 11,495			$ 20	$ -	2011	1.00	$ 11,495		Y			
Pipe_ID : 117328	RWME016	Passive	Water Main	RWME016 - Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Passive	298.2891	150	$ 193	$ 57,546		1	$ 57,546			$ 20	$ -	2011	1.00	$ 57,546		Y			
Pipe_ID : 118600	RWME017	Passive	Water Main	RWME017 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	95.20318	200	$ 231	$ 21,997		1	$ 21,997			$ 20	$ -	2011	1.00	$ 21,997		Y			
Pipe_ID : 118603	RWME018	Passive	Water Main	RWME018 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	0.51134	200	$ 231	$ 118		1	$ 118			$ 20	$ -	2011	1.00	$ 118		Y			
Pipe_ID : 118611	RWME019	Passive	Water Main	RWME019 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	0.674996	200	$ 231	$ 156		1	$ 156			$ 20	$ -	2011	1.00	$ 156		Y			
Pipe_ID : 118592	RWME020	Passive	Water Main	RWME020 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	5.108036	200	$ 231	$ 1,180		1	$ 1,180			$ 20	$ -	2011	1.00	$ 1,180		Y			
Pipe_ID : 118585	RWME021	Passive	Water Main	RWME021 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	1.241574	200	$ 231	$ 287		1	$ 287			$ 20	$ -	2011	1.00	$ 287		Y			
Pipe_ID : 118583	RWME022	Passive	Water Main	RWME022 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	0.563561	200	$ 231	$ 130		1	$ 130			$ 20	$ -	2011	1.00	$ 130		Y			
Pipe_ID : 118615	RWME023	Passive	Water Main	RWME023 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	1.785719	200	$ 231	$ 413		1	$ 413			$ 20	$ -	2011	1.00	$ 413		Y			
Pipe_ID : 118606	RWME024	Passive	Water Main	RWME024 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	0.708364	200	$ 231	$ 164		1	$ 164			$ 20	$ -	2011	1.00	$ 164		Y			
Pipe_ID : 118568	RWME025	Passive	Water Main	RWME025 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	6.108596	200	$ 231	$ 1,411		1	$ 1,411			$ 20	$ -	2011	1.00	$ 1,411		Y			
Pipe_ID : 118596	RWME026	Passive	Water Main	RWME026 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	7.824857	200	$ 231	$ 1,808		1	$ 1,808			$ 20	$ -	2011	1.00	$ 1,808		Y			
Pipe_ID : 118617	RWME027	Passive	Water Main	RWME027 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	2.348502	200	$ 231	$ 543		1	$ 543			$ 20	$ -	2011	1.00	$ 543		Y			
Pipe_ID : 118627	RWME028	Passive	Water Main	RWME028 - Recycled Water Main - 250 mm (DICL)_	Recycled Water Main - 250 mm (DICL)_	Passive	90.64957	250	$ 274	$ 24,809		1	$ 24,809			$ 20	$ -	2011	1.00	$ 24,809		Y			
Pipe_ID : 118618	RWME029	Passive	Water Main	RWME029 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	0.864684	200	$ 231	$ 200		1	$ 200			$ 20	$ -	2011	1.00	$ 200		Y			
Pipe_ID : 117312	RWME030	Passive	Water Main	RWME030 - Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Passive	329.6322	150	$ 193	$ 63,593		1	$ 63,593			$ 20	$ -	2011	1.00	$ 63,593		Y			
Pipe_ID : 117257	RWME031	Passive	Water Main	RWME031 - Recycled Water Main - 180 mm (HDPE)_PN16 PE100	Recycled Water Main - 180 mm (HDPE)_PN16 PE100	Passive	27.77694	180	$ 216	$ 5,994		1	$ 5,994			$ 20	$ -	2011	1.00	$ 5,994		Y			
Pipe_ID : 117253	RWME032	Passive	Water Main	RWME032 - Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Passive	1.818938	150	$ 193	$ 351		1	$ 351			$ 20	$ -	2011	1.00	$ 351		Y			
Pipe_ID : 118563	RWME033	Passive	Water Main	RWME033 - Recycled Water Main - 100 mm (DICL)_	Recycled Water Main - 100 mm (DICL)_	Passive	1.488199	100	$ 174	$ 259		1	$ 259			$ 20	$ -	2011	1.00	$ 259		Y			
Pipe_ID : 118622	RWME034	Passive	Water Main	RWME034 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	1.328399	200	$ 231	$ 307		1	$ 307			$ 20	$ -	2011	1.00	$ 307		Y			
Pipe_ID : 118643	RWME035	Passive	Water Main	RWME035 - Recycled Water Main - 200 mm (PVC)_	Recycled Water Main - 200 mm (PVC)_	Passive	0.628737	200	$ 231	$ 145		1	$ 145			$ 20	$ -	2011	1.00	$ 145		Y			
Pipe_ID : 118641	RWME036	Passive	Water Main	RWME036 - Recycled Water Main - 200 mm (PVC)_	Recycled Water Main - 200 mm (PVC)_	Passive	58.98452	200	$ 231	$ 13,628		1	$ 13,628			$ 20	$ -	2011	1.00	$ 13,628		Y			
Pipe_ID : 118638	RWME037	Passive	Water Main	RWME037 - Recycled Water Main - 200 mm (PVC)_	Recycled Water Main - 200 mm (PVC)_	Passive	10.13961	200	$ 231	$ 2,343		1	$ 2,343			$ 20	$ -	2011	1.00	$ 2,343		Y			
Pipe_ID : 118636	RWME038	Passive	Water Main	RWME038 - Recycled Water Main - 200 mm (PVC)_	Recycled Water Main - 200 mm (PVC)_	Passive	42.52462	200	$ 231	$ 9,825		1	$ 9,825			$ 20	$ -	2011	1.00	$ 9,825		Y			
Pipe_ID : 118634	RWME039	Passive	Water Main	RWME039 - Recycled Water Main - 200 mm (PVC)_	Recycled Water Main - 200 mm (PVC)_	Passive	185.5242	200	$ 231	$ 42,865		1	$ 42,865			$ 20	$ -	2011	1.00	$ 42,865		Y			
Pipe_ID : 118632	RWME040	Passive	Water Main	RWME040 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	24.86073	200	$ 231	$ 5,744		1	$ 5,744			$ 20	$ -	2011	1.00	$ 5,744		Y			
Pipe_ID : 118630	RWME041	Passive	Water Main	RWME041 - Recycled Water Main - 250 mm (HDPE)_	Recycled Water Main - 250 mm (HDPE)_	Passive	53.79499	250	$ 274	$ 14,723		1	$ 14,723			$ 20	$ -	2011	1.00	$ 14,723		Y			
Pipe_ID : 118523	RWME042	Passive	Water Main	RWME042 - Recycled Water Main - 200 mm (PVC)_	Recycled Water Main - 200 mm (PVC)_	Passive	100.6446	200	$ 231	$ 23,254		1	$ 23,254			$ 20	$ -	2011	1.00	$ 23,254		Y			
Pipe_ID : 118531	RWME043	Passive	Water Main	RWME043 - Recycled Water Main - 200 mm (PVC)_PN16	Recycled Water Main - 200 mm (PVC)_PN16	Passive	39.14369	200	$ 231	$ 9,044		1	$ 9,044			$ 20	$ -	2011	1.00	$ 9,044		Y			
Pipe_ID : 118561	RWME044	Passive	Water Main	RWME044 - Recycled Water Main - 100 mm (DICL)_	Recycled Water Main - 100 mm (DICL)_	Passive	0.967769	100	$ 174	$ 169		1	$ 169			$ 20	$ -	2011	1.00	$ 169		Y			
Pipe_ID : 118528	RWME045	Passive	Water Main	RWME045 - Recycled Water Main - 150 mm (PVC)_	Recycled Water Main - 150 mm (PVC)_	Passive	291.5617	150	$ 193	$ 56,248		1	$ 56,248			$ 20	$ -	2011	1.00	$ 56,248		Y			
Pipe_ID : 118521	RWME046	Passive	Water Main	RWME046 - Recycled Water Main - 200 mm (PVC)_PN16	Recycled Water Main - 200 mm (PVC)_PN16	Passive	265.0627	200	$ 231	$ 61,243		1	$ 61,243			$ 20	$ -	2011	1.00	$ 61,243		Y			
Pipe_ID : 118598	RWME047	Passive	Water Main	RWME047 - Recycled Water Main - 200 mm (PVC)_	Recycled Water Main - 200 mm (PVC)_	Passive	0.985398	200	$ 231	$ 228		1	$ 228			$ 20	$ -	2011	1.00	$ 228		Y			
Pipe_ID : 117288	RWME048	Passive	Water Main	RWME048 - Recycled Water Main - 150 mm (PVC)_PN16	Recycled Water Main - 150 mm (PVC)_PN16	Passive	1.143132	150	$ 193	$ 221		1	$ 221			$ 20	$ -	2011	1.00	$ 221		Y			
Pipe_ID : 117297	RWME049	Passive	Water Main	RWME049 - Recycled Water Main - 150 mm (PVC)_PN16	Recycled Water Main - 150 mm (PVC)_PN16	Passive	3.315604	150	$ 193	$ 640		1	$ 640			$ 20	$ -	2011	1.00	$ 640		Y			
Pipe_ID : 118556	RWME050	Passive	Water Main	RWME050 - Recycled Water Main - 200 mm (PVC)_PN16	Recycled Water Main - 200 mm (PVC)_PN16	Passive	19.17679	200	$ 231	$ 4,431		1	$ 4,431			$ 20	$ -	2011	1.00	$ 4,431		Y			
Pipe_ID : 118552	RWME051	Passive	Water Main	RWME051 - Recycled Water Main - 200 mm (PVC)_PN16	Recycled Water Main - 200 mm (PVC)_PN16	Passive	1.556365	200	$ 231	$ 360		1	$ 360			$ 20	$ -	2011	1.00	$ 360		Y			
Pipe_ID : 118534	RWME052	Passive	Water Main	RWME052 - Recycled Water Main - 200 mm (PVC)_PN16	Recycled Water Main - 200 mm (PVC)_PN16	Passive	150.1657	200	$ 231	$ 34,696		1	$ 34,696			$ 20	$ -	2011	1.00	$ 34,696		Y			
Pipe_ID : 118533	RWME053	Passive	Water Main	RWME053 - Recycled Water Main - 200 mm (PVC)_PN16	Recycled Water Main - 200 mm (PVC)_PN16	Passive	83.14547	200	$ 231	$ 19,211		1	$ 19,211			$ 20	$ -	2011	1.00	$ 19,211		Y			
Pipe_ID : 117233	RWME054	Passive	Water Main	RWME054 - Recycled Water Main - 180 mm (HDPE)_PN16 PE100	Recycled Water Main - 180 mm (HDPE)_PN16 PE100	Passive	47.53623	180	$ 216	$ 10,258		1	$ 10,258			$ 20	$ -	2011	1.00	$ 10,258		Y			
Pipe_ID : 117231	RWME055	Passive	Water Main	RWME055 - Recycled Water Main - 180 mm (HDPE)_PN16 PE100	Recycled Water Main - 180 mm (HDPE)_PN16 PE100	Passive	11.85776	180	$ 216	$ 2,559		1	$ 2,559			$ 20	$ -	2011	1.00	$ 2,559		Y			
Pipe_ID : 118548	RWME056	Passive	Water Main	RWME056 - Recycled Water Main - 150 mm (PVC)_PN16	Recycled Water Main - 150 mm (PVC)_PN16	Passive	20.65774	150	$ 193	$ 3,985		1	$ 3,985			$ 20	$ -	2011	1.00	$ 3,985		Y			
Pipe_ID : 118545	RWME057	Passive	Water Main	RWME057 - Recycled Water Main - 150 mm (HDPE)_PN16	Recycled Water Main - 150 mm (HDPE)_PN16	Passive	59.45357	150	$ 193	$ 11,470		1	$ 11,470			$ 20	$ -	2011	1.00	$ 11,470		Y			
Pipe_ID : 118625	RWME058	Passive	Water Main	RWME058 - Recycled Water Main - 150 mm (PVC)_PN16	Recycled Water Main - 150 mm (PVC)_PN16	Passive	17.03867	150	$ 193	$ 3,287		1	$ 3,287			$ 20	$ -	2011	1.00	$ 3,287		Y			
Pipe_ID : 118550	RWME059	Passive	Water Main	RWME059 - Recycled Water Main - 200 mm (PVC)_PN16	Recycled Water Main - 200 mm (PVC)_PN16	Passive	1.655903	200	$ 231	$ 383		1	$ 383			$ 20	$ -	2011	1.00	$ 383		Y			
Pipe_ID : 117280	RWME060	Passive	Water Main	RWME060 - Recycled Water Main - 80 mm (PVC)_PN16 OPVC	Recycled Water Main - 80 mm (PVC)_PN16 OPVC	Passive	2.3434	80	$ 108	$ 254		1	$ 254			$ 20	$ -	2011	1.00	$ 254		Y			
Pipe_ID : 115089	RWME061	Passive	Water Main	RWME061 - Recycled Water Main - 200 mm (PVC)_	Recycled Water Main - 200 mm (PVC)_	Passive	320.1524	200	$ 231	$ 73,971		1	$ 73,971			$ 20	$ -	2011	1.00	$ 73,971	Y				
Pipe_ID : 115087	RWME062	Passive	Water Main	RWME062 - Recycled Water Main - 200 mm (PVC)_	Recycled Water Main - 200 mm (PVC)_	Passive	48.01721	200	$ 231	$ 11,094		1	$ 11,094			$ 20	$ -	2011	1.00	$ 11,094	Y				
Pipe_ID : 115085	RWME063	Passive	Water Main	RWME063 - Recycled Water Main - 200 mm (PVC)_	Recycled Water Main - 200 mm (PVC)_	Passive	497.6728	200	$ 231	$ 114,987		1	$ 114,987			$ 20	$ -	2011	1.00	$ 114,987	Y				
Pipe_ID : 115083	RWME064	Passive	Water Main	RWME064 - Recycled Water Main - 200 mm (PVC)_	Recycled Water Main - 200 mm (PVC)_	Passive	233.589	200	$ 231	$ 53,971		1	$ 53,971			$ 20	$ -	2011	1.00	$ 53,971	Y				
Pipe_ID : 115081	RWME065	Passive	Water Main	RWME065 - Recycled Water Main - 200 mm (PVC)_	Recycled Water Main - 200 mm (PVC)_	Passive	330.0643	200	$ 231	$ 76,261		1	$ 76,261			$ 20	$ -	2011	1.00	$ 76,261	Y				
Pipe_ID : 115079	RWME066	Passive	Water Main	RWME066 - Recycled Water Main - 200 mm (PVC)_	Recycled Water Main - 200 mm (PVC)_	Passive	795.4161	200	$ 231	$ 183,781		1	$ 183,781			$ 20	$ -	2011	1.00	$ 183,781	Y				
Pipe_ID : 117275	RWME067	Passive	Water Main	RWME067 - Recycled Water Main - 180 mm (HDPE)_PN16 PE100	Recycled Water Main - 180 mm (HDPE)_PN16 PE100	Passive	45.35739	180	$ 216	$ 9,788		1	$ 9,788			$ 20	$ -	2011	1.00	$ 9,788		Y			
Pipe_ID : 117351	RWME068	Passive	Water Main	RWME068 - Recycled Water Main - 150 mm (PVC)_PN16	Recycled Water Main - 150 mm (PVC)_PN16	Passive	2.075917	150	$ 193	$ 400		1	$ 400			$ 20	$ -	2011	1.00	$ 400		Y			
Pipe_ID : 117344	RWME069	Passive	Water Main	RWME069 - Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Passive	221.9001	150	$ 193	$ 42,809		1	$ 42,809			$ 20	$ -	2011	1.00	$ 42,809		Y			
Pipe_ID : 117334	RWME070	Passive	Water Main	RWME070 - Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Passive	91.04815	150	$ 193	$ 17,565		1	$ 17,565			$ 20	$ -	2011	1.00	$ 17,565		Y			
Pipe_ID : 117324	RWME071	Passive	Water Main	RWME071 - Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Passive	197.0413	150	$ 193	$ 38,013		1	$ 38,013			$ 20	$ -	2011	1.00	$ 38,013		Y			
Pipe_ID : 118591	RWME072	Passive	Water Main	RWME072 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	5.501582	200	$ 231	$ 1,271		1	$ 1,271			$ 20	$ -	2011	1.00	$ 1,271		Y			
Pipe_ID : 118584	RWME073	Passive	Water Main	RWME073 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	1.50911	200	$ 231	$ 349		1	$ 349			$ 20	$ -	2011	1.00	$ 349		Y			
Pipe_ID : 118582	RWME074	Passive	Water Main	RWME074 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	0.531846	200	$ 231	$ 123		1	$ 123			$ 20	$ -	2011	1.00	$ 123		Y			
Pipe_ID : 118613	RWME075	Passive	Water Main	RWME075 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	0.659835	200	$ 231	$ 152		1	$ 152			$ 20	$ -	2011	1.00	$ 152		Y			
Pipe_ID : 118609	RWME076	Passive	Water Main	RWME076 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	1.187133	200	$ 231	$ 274		1	$ 274			$ 20	$ -	2011	1.00	$ 274		Y			
Pipe_ID : 118605	RWME077	Passive	Water Main	RWME077 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	0.603933	200	$ 231	$ 140		1	$ 140			$ 20	$ -	2011	1.00	$ 140		Y			
Pipe_ID : 118594	RWME078	Passive	Water Main	RWME078 - Recycled Water Main - 250 mm (DICL)_	Recycled Water Main - 250 mm (DICL)_	Passive	7.775893	250	$ 274	$ 2,128		1	$ 2,128			$ 20	$ -	2011	1.00	$ 2,128		Y			
Pipe_ID : 118577	RWME079	Passive	Water Main	RWME079 - Recycled Water Main - 250 mm (DICL)_	Recycled Water Main - 250 mm (DICL)_	Passive	0.263021	250	$ 274	$ 72		1	$ 72			$ 20	$ -	2011	1.00	$ 72		Y			
Pipe_ID : 118569	RWME080	Passive	Water Main	RWME080 - Recycled Water Main - 220 mm (DICL)_	Recycled Water Main - 220 mm (DICL)_	Passive	0.216118	220	$ 252	$ 54		1	$ 54			$ 20	$ -	2011	1.00	$ 54		Y			
Pipe_ID : 118616	RWME081	Passive	Water Main	RWME081 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	0.547773	200	$ 231	$ 127		1	$ 127			$ 20	$ -	2011	1.00	$ 127		Y			

Douglas Shire Council
Water Supply

Return to "Existing Trunk Assets"

EXISTING TRUNK ASSETS

Land Valuation Type	Location

Asset Data																					Catchment Asset Allocation				
Basic Asset Data						Asset Attributes			Baseline Asset Valuation					Land Attributes				Refined Asset Value							
Asset ID	LGIP ID	Asset Type (*)	Asset Class	Asset Name	Description	Unit Rate Type (*)	Length/unit (*)	Diameter (*)	Unit Rate	Baseline Valuation	Site/Condition	Multiplier	Gross Value	Land Location/Type	Size of land (ha) (*)	Unit Cost	Land Value	Valuation Year	Escalation	Current Replacemen	PORT DOUGLAS (W1)	MOSSMAN (W2)	WHYANBEEL (W3)	DAINTREE (W4)	SHARED TREATMENT (W1&W2)
																					1	2	3	4	5
Councils ID (from GIS, FAR, AMA etc.)	ID from the LGIP drawings		Reservoir, Trunk Main, etc.							May be calculated from unit rates OR unique values can be direct entered										CRC	25,969	7,519	2,762	334	33,488
Pipe_ID : 117251	RWME082	Passive	Water Main	RWME082 - Recycled Water Main - 180 mm (HDPE)_PN16	Recycled Water Main - 180 mm (HDPE)_PN16	Passive	43.03911	180	$ 216	$ 9,288		1	$ 9,288			$ 20	$ -	2011	1.00	$ 9,288		Y			
Pipe_ID : 117308	RWME083	Passive	Water Main	RWME083 - Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Passive	482.5802	150	$ 193	$ 93,099		1	$ 93,099			$ 20	$ -	2011	1.00	$ 93,099		Y			
Pipe_ID : 117306	RWME084	Passive	Water Main	RWME084 - Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Passive	47.0294	150	$ 193	$ 9,073		1	$ 9,073			$ 20	$ -	2011	1.00	$ 9,073		Y			
Pipe_ID : 118519	RWME085	Passive	Water Main	RWME085 - Recycled Water Main - 200 mm (PVC)_PN16	Recycled Water Main - 200 mm (PVC)_PN16	Passive	225.4925	200	$ 231	$ 52,100		1	$ 52,100			$ 20	$ -	2011	1.00	$ 52,100		Y			
Pipe_ID : 118620	RWME086	Passive	Water Main	RWME086 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	1.516019	200	$ 231	$ 350		1	$ 350			$ 20	$ -	2011	1.00	$ 350		Y			
Pipe_ID : 118642	RWME087	Passive	Water Main	RWME087 - Recycled Water Main - 250 mm (HDPE)_	Recycled Water Main - 250 mm (HDPE)_	Passive	37.54449	250	$ 274	$ 10,275		1	$ 10,275			$ 20	$ -	2011	1.00	$ 10,275		Y			
Pipe_ID : 118639	RWME088	Passive	Water Main	RWME088 - Recycled Water Main - 250 mm (PVC)_	Recycled Water Main - 250 mm (PVC)_	Passive	35.62298	250	$ 274	$ 9,749		1	$ 9,749			$ 20	$ -	2011	1.00	$ 9,749		Y			
Pipe_ID : 118637	RWME089	Passive	Water Main	RWME089 - Recycled Water Main - 200 mm (PVC)_	Recycled Water Main - 200 mm (PVC)_	Passive	446.0576	200	$ 231	$ 103,062		1	$ 103,062			$ 20	$ -	2011	1.00	$ 103,062		Y			
Pipe_ID : 118635	RWME090	Passive	Water Main	RWME090 - Recycled Water Main - 250 mm (PVC)_	Recycled Water Main - 250 mm (PVC)_	Passive	81.59651	250	$ 274	$ 22,331		1	$ 22,331			$ 20	$ -	2011	1.00	$ 22,331		Y			
Pipe_ID : 118633	RWME091	Passive	Water Main	RWME091 - Recycled Water Main - 200 mm (PVC)_	Recycled Water Main - 200 mm (PVC)_	Passive	150.4101	200	$ 231	$ 34,752		1	$ 34,752			$ 20	$ -	2011	1.00	$ 34,752		Y			
Pipe_ID : 118562	RWME092	Passive	Water Main	RWME092 - Recycled Water Main - 250 mm (HDPE)_	Recycled Water Main - 250 mm (HDPE)_	Passive	47.51435	250	$ 274	$ 13,004		1	$ 13,004			$ 20	$ -	2011	1.00	$ 13,004		Y			
Pipe_ID : 118560	RWME093	Passive	Water Main	RWME093 - Recycled Water Main - 200 mm (PVC)_	Recycled Water Main - 200 mm (PVC)_	Passive	10.38558	200	$ 231	$ 2,400		1	$ 2,400			$ 20	$ -	2011	1.00	$ 2,400		Y			
Pipe_ID : 118532	RWME094	Passive	Water Main	RWME094 - Recycled Water Main - 200 mm (PVC)_PN16	Recycled Water Main - 200 mm (PVC)_PN16	Passive	132.9031	200	$ 231	$ 30,707		1	$ 30,707			$ 20	$ -	2011	1.00	$ 30,707		Y			
Pipe_ID : 118526	RWME095	Passive	Water Main	RWME095 - Recycled Water Main - 200 mm (PVC)_	Recycled Water Main - 200 mm (PVC)_	Passive	90.24204	200	$ 231	$ 20,850		1	$ 20,850			$ 20	$ -	2011	1.00	$ 20,850		Y			
Pipe_ID : 118522	RWME096	Passive	Water Main	RWME096 - Recycled Water Main - 200 mm (PVC)_PN16	Recycled Water Main - 200 mm (PVC)_PN16	Passive	1.61893	200	$ 231	$ 374		1	$ 374			$ 20	$ -	2011	1.00	$ 374		Y			
Pipe_ID : 117240	RWME097	Passive	Water Main	RWME097 - Recycled Water Main - 180 mm (HDPE)_PN16 PE100	Recycled Water Main - 180 mm (HDPE)_PN16 PE100	Passive	59.88126	180	$ 216	$ 12,922		1	$ 12,922			$ 20	$ -	2011	1.00	$ 12,922		Y			
Pipe_ID : 117317	RWME098	Passive	Water Main	RWME098 - Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Passive	289.7681	150	$ 193	$ 55,902		1	$ 55,902			$ 20	$ -	2011	1.00	$ 55,902		Y			
Pipe_ID : 117299	RWME099	Passive	Water Main	RWME099 - Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Passive	57.4821	150	$ 193	$ 11,089		1	$ 11,089			$ 20	$ -	2011	1.00	$ 11,089		Y			
Pipe_ID : 118555	RWME100	Passive	Water Main	RWME100 - Recycled Water Main - 200 mm (PVC)_PN16	Recycled Water Main - 200 mm (PVC)_PN16	Passive	1.356026	200	$ 231	$ 313		1	$ 313			$ 20	$ -	2011	1.00	$ 313		Y			
Pipe_ID : 118543	RWME101	Passive	Water Main	RWME101 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	14.01005	200	$ 231	$ 3,237		1	$ 3,237			$ 20	$ -	2011	1.00	$ 3,237		Y			
Pipe_ID : 118539	RWME102	Passive	Water Main	RWME102 - Recycled Water Main - 200 mm (PVC)_PN16	Recycled Water Main - 200 mm (PVC)_PN16	Passive	1.057293	200	$ 231	$ 244		1	$ 244			$ 20	$ -	2011	1.00	$ 244		Y			
Pipe_ID : 118624	RWME103	Passive	Water Main	RWME103 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	8.662078	200	$ 231	$ 2,001		1	$ 2,001			$ 20	$ -	2011	1.00	$ 2,001		Y			
Pipe_ID : 118644	RWME104	Passive	Water Main	RWME104 - Recycled Water Main - 200 mm (PVC)_PN16	Recycled Water Main - 200 mm (PVC)_PN16	Passive	149.8438	200	$ 231	$ 34,621		1	$ 34,621			$ 20	$ -	2011	1.00	$ 34,621		Y			
Pipe_ID : 118544	RWME105	Passive	Water Main	RWME105 - Recycled Water Main - 150 mm (PVC)_PN16	Recycled Water Main - 150 mm (PVC)_PN16	Passive	143.7057	150	$ 193	$ 27,724		1	$ 27,724			$ 20	$ -	2011	1.00	$ 27,724		Y			
Pipe_ID : 117287	RWME106	Passive	Water Main	RWME106 - Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Passive	333.0208	150	$ 193	$ 64,246		1	$ 64,246			$ 20	$ -	2011	1.00	$ 64,246		Y			
Pipe_ID : 117321	RWME107	Passive	Water Main	RWME107 - Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Passive	44.097	150	$ 193	$ 8,507		1	$ 8,507			$ 20	$ -	2011	1.00	$ 8,507		Y			
Pipe_ID : 117290	RWME108	Passive	Water Main	RWME108 - Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Passive	6.217747	150	$ 193	$ 1,200		1	$ 1,200			$ 20	$ -	2011	1.00	$ 1,200		Y			
Pipe_ID : 118547	RWME109	Passive	Water Main	RWME109 - Recycled Water Main - 150 mm (HDPE)_PN16	Recycled Water Main - 150 mm (HDPE)_PN16	Passive	126.7965	150	$ 193	$ 24,462		1	$ 24,462			$ 20	$ -	2011	1.00	$ 24,462		Y			
Pipe_ID : 118626	RWME110	Passive	Water Main	RWME110 - Recycled Water Main - 150 mm (PVC)_PN16	Recycled Water Main - 150 mm (PVC)_PN16	Passive	27.69556	150	$ 193	$ 5,343		1	$ 5,343			$ 20	$ -	2011	1.00	$ 5,343		Y			
Pipe_ID : 118549	RWME111	Passive	Water Main	RWME111 - Recycled Water Main - 200 mm (PVC)_PN16	Recycled Water Main - 200 mm (PVC)_PN16	Passive	1.26989	200	$ 231	$ 293		1	$ 293			$ 20	$ -	2011	1.00	$ 293		Y			
Pipe_ID : 118540	RWME112	Passive	Water Main	RWME112 - Recycled Water Main - 200 mm (PVC)_PN16	Recycled Water Main - 200 mm (PVC)_PN16	Passive	105.1067	200	$ 231	$ 24,285		1	$ 24,285			$ 20	$ -	2011	1.00	$ 24,285		Y			
Pipe_ID : 117337	RWME113	Passive	Water Main	RWME113 - Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Passive	2.611985	150	$ 193	$ 504		1	$ 504			$ 20	$ -	2011	1.00	$ 504		Y			
Pipe_ID : 118614	RWME114	Passive	Water Main	RWME114 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	1.785719	200	$ 231	$ 413		1	$ 413			$ 20	$ -	2011	1.00	$ 413		Y			
Pipe_ID : 118612	RWME115	Passive	Water Main	RWME115 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	1.188533	200	$ 231	$ 275		1	$ 275			$ 20	$ -	2011	1.00	$ 275		Y			
Pipe_ID : 118610	RWME116	Passive	Water Main	RWME116 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	2.260979	200	$ 231	$ 522		1	$ 522			$ 20	$ -	2011	1.00	$ 522		Y			
Pipe_ID : 118564	RWME117	Passive	Water Main	RWME117 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	13.94623	200	$ 231	$ 3,222		1	$ 3,222			$ 20	$ -	2011	1.00	$ 3,222		Y			
Pipe_ID : 118628	RWME118	Passive	Water Main	RWME118 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	0.097946	200	$ 231	$ 23		1	$ 23			$ 20	$ -	2011	1.00	$ 23		Y			
Pipe_ID : 117313	RWME119	Passive	Water Main	RWME119 - Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Passive	23.96459	150	$ 193	$ 4,623		1	$ 4,623			$ 20	$ -	2011	1.00	$ 4,623		Y			
Pipe_ID : 118623	RWME120	Passive	Water Main	RWME120 - Recycled Water Main - 200 mm (PVC)_PN16	Recycled Water Main - 200 mm (PVC)_PN16	Passive	14.93677	200	$ 231	$ 3,451		1	$ 3,451			$ 20	$ -	2011	1.00	$ 3,451		Y			
Pipe_ID : 118527	RWME121	Passive	Water Main	RWME121 - Recycled Water Main - 150 mm (PVC)_	Recycled Water Main - 150 mm (PVC)_	Passive	0.842306	150	$ 193	$ 162		1	$ 162			$ 20	$ -	2011	1.00	$ 162		Y			
Pipe_ID : 118524	RWME122	Passive	Water Main	RWME122 - Recycled Water Main - 200 mm (PVC)_	Recycled Water Main - 200 mm (PVC)_	Passive	71.46535	200	$ 231	$ 16,512		1	$ 16,512			$ 20	$ -	2011	1.00	$ 16,512		Y			
Pipe_ID : 118520	RWME123	Passive	Water Main	RWME123 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	35.07499	200	$ 231	$ 8,104		1	$ 8,104			$ 20	$ -	2011	1.00	$ 8,104		Y			
Pipe_ID : 118599	RWME124	Passive	Water Main	RWME124 - Recycled Water Main - 200 mm (PVC)_PN16	Recycled Water Main - 200 mm (PVC)_PN16	Passive	8	200	$ 231	$ 1,848		1	$ 1,848			$ 20	$ -	2011	1.00	$ 1,848		Y			
Pipe_ID : 117316	RWME125	Passive	Water Main	RWME125 - Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Passive	210.5391	150	$ 193	$ 40,617		1	$ 40,617			$ 20	$ -	2011	1.00	$ 40,617		Y			
Pipe_ID : 117295	RWME126	Passive	Water Main	RWME126 - Recycled Water Main - 180 mm (HDPE)_PN16 PE100	Recycled Water Main - 180 mm (HDPE)_PN16 PE100	Passive	48.20613	180	$ 216	$ 10,403		1	$ 10,403			$ 20	$ -	2011	1.00	$ 10,403		Y			
Pipe_ID : 118538	RWME127	Passive	Water Main	RWME127 - Recycled Water Main - 200 mm (PVC)_PN16	Recycled Water Main - 200 mm (PVC)_PN16	Passive	200.1635	200	$ 231	$ 46,248		1	$ 46,248			$ 20	$ -	2011	1.00	$ 46,248		Y			
Pipe_ID : 118535	RWME128	Passive	Water Main	RWME128 - Recycled Water Main - 200 mm (PVC)_PN16	Recycled Water Main - 200 mm (PVC)_PN16	Passive	178.3039	200	$ 231	$ 41,197		1	$ 41,197			$ 20	$ -	2011	1.00	$ 41,197		Y			
Pipe_ID : 118629	RWME129	Passive	Water Main	RWME129 - Recycled Water Main - 200 mm (PVC)_PN16	Recycled Water Main - 200 mm (PVC)_PN16	Passive	24.42262	200	$ 231	$ 5,643		1	$ 5,643			$ 20	$ -	2011	1.00	$ 5,643		Y			
Pipe_ID : 117320	RWME130	Passive	Water Main	RWME130 - Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Passive	179.0503	150	$ 193	$ 34,542		1	$ 34,542			$ 20	$ -	2011	1.00	$ 34,542		Y			
Pipe_ID : 117289	RWME131	Passive	Water Main	RWME131 - Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Recycled Water Main - 150 mm (PVC)_PN16 OPVC	Passive	5.044607	150	$ 193	$ 973		1	$ 973			$ 20	$ -	2011	1.00	$ 973		Y			
Pipe_ID : 118537	RWME132	Passive	Water Main	RWME132 - Recycled Water Main - 200 mm (PVC)_PN16	Recycled Water Main - 200 mm (PVC)_PN16	Passive	274.4996	200	$ 231	$ 63,423		1	$ 63,423			$ 20	$ -	2011	1.00	$ 63,423		Y			
Pipe_ID : 118608	RWME133	Passive	Water Main	RWME133 - Recycled Water Main - 200 mm (DICL)_	Recycled Water Main - 200 mm (DICL)_	Passive	0.889823	200	$ 231	$ 206		1	$ 206			$ 20	$ -	2011	1.00	$ 206		Y			
Pipe_ID : 118595	RWME134	Passive	Water Main	RWME134 - Recycled Water Main - 220 mm (PVC)_PN16	Recycled Water Main - 220 mm (PVC)_PN16	Passive	274.5528	220	$ 252	$ 69,186		1	$ 69,186			$ 20	$ -	2011	1.00	$ 69,186		Y			
									$ -	$ -		1	$ -			$ 20	$ -		1.00	$ -					

Douglas Shire Council
Wastewater

Return to "Existing Trunk Assets"

EXISTING TRUNK ASSETS

Land Valuation Type	Location

Asset Data																										Catchment Asset Allocation					
Basic Asset Data						Asset Attributes				Basic Asset Valuation					Land Attributes				Refined Asset Value											
Asset ID	LGIP ID	Asset Type (*)	Asset Class	Asset Name	Description	Unit Rate Type (*)	Length/Unit (*)	Diameter (*)	Depth (*)	Unit Rate	Baseline Valuation	Site/Condition	Multiplier	Gross Value	Land Location/Type	Size of land (ha) (*)	Unit Cost	Land Value	Valuation Year	Escalation	Current Replacement	PORT DOUGLAS ($1)	MOSSMAN ($2)	COOYA BEACH ($3)	NEWELL BEACH ($4)	WONGA BEACH / ROCKY POINT ($5)	SHARED TREATMENT ($2..$5)
Councils ID (from GIS, FAR, AMA etc.)	ID from the LGIP drawings		Pump Station, Gravity Main, Rising Main etc								May be calculated from unit rates OR unique values can be direct entered										CRC	21,153	8,841	2,850	612	2,244	11,546
ACTIVE ASSETS																															
291201	SPSE001	Active	Pump Station	SPSE001_Pump Station_Junction Road Pump Station (PS - MA)	Junction Road Pump Station (PS - MA)					$ -	$ 214,397		1	$ 214,397			$ 20	$ -	2011	1.00	$ 214,397		Y					
291203	SPSE002	Active	Pump Station	SPSE002_Pump Station_Foxton Avenue Pump Station (PS - MC)	Foxton Avenue Pump Station (PS - MC)					$ -	$ 176,406		1	$ 176,406			$ 20	$ -	2011	1.00	$ 176,406		Y					
291205	SPSE003	Active	Pump Station	SPSE003_Pump Station_Johnston Road Pump Station (PS - MD)	Johnston Road Pump Station (PS - MD)					$ -	$ 234,581		1	$ 234,581			$ 20	$ -	2011	1.00	$ 234,581		Y					
291204	SPSE004	Active	Pump Station	SPSE004_Pump Station_Mossman Gorge Road Pump Station (PS - ME)	Mossman Gorge Road Pump Station (PS - ME)					$ -	$ 146,168		1	$ 146,168			$ 20	$ -	2011	1.00	$ 146,168		Y					
292204	SPSE005	Active	Pump Station	SPSE005_Pump Station_Ashford Avenue Pump Station (PS - D)	Ashford Avenue Pump Station (PS - D)					$ -	$ 72,026		1	$ 72,026			$ 20	$ -	2011	1.00	$ 72,026	Y						
292209	SPSE006	Active	Pump Station	SPSE006_Pump Station_Coral Drive Pump Station (PS - 4D)	Coral Drive Pump Station (PS - 4D)					$ -	$ 171,958		1	$ 171,958			$ 20	$ -	2011	1.00	$ 171,958	Y						
292210	SPSE007	Active	Pump Station	SPSE007_Pump Station_Martin Scullet Drive Pump Station (PS - 4E)	Martin Scullet Drive Pump Station (PS - 4E)					$ -	$ 69,592		1	$ 69,592			$ 20	$ -	2011	1.00	$ 69,592	Y						
292225	SPSE008	Active	Pump Station	SPSE008_Pump Station_Ulysses Avenue Pump Station (PS - PG)	Ulysses Avenue Pump Station (PS - PG)					$ -	$ 324,601		1	$ 324,601			$ 20	$ -	2011	1.00	$ 324,601	Y						
292214	SPSE009	Active	Pump Station	SPSE009_Pump Station_Escape Street Pump Station (PS - SC2)	Escape Street Pump Station (PS - SC2)					$ -	$ 179,561		1	$ 179,561			$ 20	$ -	2011	1.00	$ 179,561	Y						
292211	SPSE010	Active	Pump Station	SPSE010_Pump Station_Agincourt Street Pump Station (PS - S1)	Agincourt Street Pump Station (PS - S1)					$ -	$ 179,561		1	$ 179,561			$ 20	$ -	2011	1.00	$ 179,561	Y						
292212	SPSE011	Active	Pump Station	SPSE011_Pump Station_Endeavour Street Pump Station (PS - S2)	Endeavour Street Pump Station (PS - S2)					$ -	$ 77,663		1	$ 77,663			$ 20	$ -	2011	1.00	$ 77,663	Y						
	SPSE012	Active	Pump Station	SPSE012_Pump Station_Industrial Beor Street Pump Station (PS - IB)	Industrial Beor Street Pump Station (PS - IB)					$ -	$ 183,138		1	$ 183,138			$ 20	$ -	2011	1.00	$ 183,138	Y						
292205	SPSE013	Active	Pump Station	SPSE013_Pump Station_Marina Mirage Pump Station (PS - E)	Marina Mirage Pump Station (PS - E)					$ -	$ 179,561		1	$ 179,561			$ 20	$ -	2011	1.00	$ 179,561	Y						
292222	SPSE014	Active	Pump Station	SPSE014_Pump Station_Spinnaker Close Pump Station (PS - YC)	Spinnaker Close Pump Station (PS - YC)					$ -	$ 32,511		1	$ 32,511			$ 20	$ -	2011	1.00	$ 32,511	Y						
292224	SPSE015	Active	Pump Station	SPSE015_Pump Station_Sports Oval Pump Station (PS - SO)	Sports Oval Pump Station (PS - SO)					$ -	$ 182,095		1	$ 182,095			$ 20	$ -	2011	1.00	$ 182,095	Y						
292230	SPSE016	Active	Pump Station	SPSE016_Pump Station_Bale Drive Pump Station (PS - BL)	Bale Drive Pump Station (PS - BL)					$ -	$ 344,700		1	$ 344,700			$ 20	$ -	2011	1.00	$ 344,700	Y						
291206	SPSE017	Active	Pump Station	SPSE017_Pump Station_Cooya Beach Road Pump Station (PS - CYB)	Cooya Beach Road Pump Station (PS - CYB)					$ -	$ 347,149		1	$ 347,149			$ 20	$ -	2011	1.00	$ 347,149		Y					
292227	SPSE018	Active	Pump Station	SPSE018_Pump Station_Captain Cook Highway Pump Station (PS - CL)	Captain Cook Highway Pump Station (PS - CL)					$ -	$ 177,032		1	$ 177,032			$ 20	$ -	2011	1.00	$ 177,032	Y						
292229	SPSE019	Active	Pump Station	SPSE019_Pump Station_Millman Drive Pump Station (PS - PP)	Millman Drive Pump Station (PS - PP)					$ -	$ 219,765		1	$ 219,765			$ 20	$ -	2011	1.00	$ 219,765	Y						
293201	SPSE020	Active	Pump Station	SPSE020_Pump Station_Atherton Street Pump Station (PS - NM)	Atherton Street Pump Station (PS - NM)					$ -	$ 196,376		1	$ 196,376			$ 20	$ -	2011	1.00	$ 196,376		Y					
292213	SPSE021	Active	Pump Station	SPSE021_Pump Station_Saint Crispins Avenue Pump Station (PS - SC1)	Saint Crispins Avenue Pump Station (PS - SC1)					$ -	$ 179,561		1	$ 179,561			$ 20	$ -	2011	1.00	$ 179,561	Y						
292208	SPSE022	Active	Lift Station	SPSE022_Lift Station_Old Port Road Lift Station (PS - 4C)	Old Port Road Lift Station (PS - 4C)					$ -	$ 64,709		1	$ 64,709			$ 20	$ -	2011	1.00	$ 64,709	Y						
292207	SPSE023	Active	Pump Station	SPSE023_Pump Station_Barrier Street Pump Station (PS - 4B)	Barrier Street Pump Station (PS - 4B)					$ -	$ 129,337		1	$ 129,337			$ 20	$ -	2011	1.00	$ 129,337	Y						
292206	SPSE024	Active	Pump Station	SPSE024_Pump Station_Seabrook Avenue Pump Station (PS - 4A)	Seabrook Avenue Pump Station (PS - 4A)					$ -	$ 99,002		1	$ 99,002			$ 20	$ -	2011	1.00	$ 99,002	Y						
292201	SPSE025	Active	Pump Station	SPSE025_Pump Station_Mudlo Street Pump Station (PS - A)	Mudlo Street Pump Station (PS - A)					$ -	$ 187,164		1	$ 187,164			$ 20	$ -	2011	1.00	$ 187,164	Y						
292203	SPSE026	Active	Pump Station	SPSE026_Pump Station_Crimmins Street Pump Station (PS - C)	Crimmins Street Pump Station (PS - C)					$ -	$ 86,717		1	$ 86,717			$ 20	$ -	2011	1.00	$ 86,717	Y						
292202	SPSE027	Active	Pump Station	SPSE027_Pump Station_Macrossan Street Pump Station (PS - B)	Macrossan Street Pump Station (PS - B)					$ -	$ 156,751		1	$ 156,751			$ 20	$ -	2011	1.00	$ 156,751	Y						
291202	SPSE028	Active	Pump Station	SPSE028_Pump Station_Alchera Drive Pump Station (PS - MB)	Alchera Drive Pump Station (PS - MB)					$ -	$ 162,093		1	$ 162,093			$ 20	$ -	2011	1.00	$ 162,093		Y					
292231	SPSE029	Active	Pump Station	SPSE029_Pump Station_Downing Street Pump Station (PS - L1)	Downing Street Pump Station (PS - L1)					$ -	$ 372,194		1	$ 372,194			$ 20	$ -	2011	1.00	$ 372,194	Y						
292228	SPSE030	Active	Pump Station	SPSE030_Pump Station_Mitre Street Pump Station (PS - 4M)	Mitre Street Pump Station (PS - 4M)					$ -	$ 269,182		1	$ 269,182			$ 20	$ -	2011	1.00	$ 269,182	Y						
292220	SPSE031	Active	Pump Station	SPSE031_Pump Station_Inlet Street Pump Station (PS - FM)	Inlet Street Pump Station (PS - FM)					$ -	$ 48,837		1	$ 48,837			$ 20	$ -	2011	1.00	$ 48,837	Y						
292217	SPSE032	Active	Pump Station	SPSE032_Pump Station_Sheridan Mirage Nth Condo Pump Station (PS - Q3)	Sheridan Mirage Nth Condo Pump Station (PS - Q3)					$ -	$ 86,896		1	$ 86,896			$ 20	$ -	2011	1.00	$ 86,896	Y						
292216	SPSE033	Active	Pump Station	SPSE033_Pump Station_Sheridan Mirage South Mirage Lift Station (PS - Q2)	Sheridan Mirage South Mirage Lift Station (PS - Q2)					$ -	$ 86,896		1	$ 86,896			$ 20	$ -	2011	1.00	$ 86,896	Y						
292215	SPSE034	Active	Pump Station	SPSE034_Pump Station_Sheridan Mirage Main Comp Pump Station (PS - Q1)	Sheridan Mirage Main Comp Pump Station (PS - Q1)					$ -	$ 179,561		1	$ 179,561			$ 20	$ -	2011	1.00	$ 179,561	Y						
292218	SPSE035	Active	Pump Station	SPSE035_Pump Station_Sheridan Mirage Country Club Pump Station (PS - Q4)	Sheridan Mirage Country Club Pump Station (PS - Q4)					$ -	$ 179,561		1	$ 179,561			$ 20	$ -	2011	1.00	$ 179,561	Y						
292219	SPSE036	Active	Pump Station	SPSE036_Pump Station_Sheridan Mirage Sth Condo Lift Station (PS - Q5)	Sheridan Mirage Sth Condo Lift Station (PS - Q5)					$ -	$ 86,896		1	$ 86,896			$ 20	$ -	2011	1.00	$ 86,896	Y						
2941001	STPE001	Active	Wastewater Treatment Plant	STPE001_Wastewater Treatment Plant_Port Douglas Wastewater Treatment Plant	Port Douglas Wastewater Treatment Plant					$ -	$ 8,276,822		1	$ 8,276,822			$ 20	$ -	2011	1.00	$ 8,276,822	Y						
292101	STPE002	Active	Wastewater Treatment Plant	STPE002_Wastewater Treatment Plant_Port Douglas Saltwater Wastewater Treatment Plant	Port Douglas Saltwater Wastewater Treatment Plant					$ -	$ 1,090,785		1	$ 1,090,785			$ 20	$ -	2011	1.00	$ 1,090,785	Y						
2921041	STPE003	Active	Wastewater Treatment Plant	STPE003_Wastewater Treatment Plant_Junction Road Mossman Wastewater Treatment Plant	Junction Road Mossman Wastewater Treatment Plant					$ -	$ 1,805,608		1	$ 1,805,608			$ 20	$ -	2011	1.00	$ 1,805,608		Y	Y	Y	Y	Y	Y
PASSIVE ASSETS																															
	EME001	Passive	Effluent Rising Main	EME001_Effluent Rising Main_200mm dia	Effluent Rising Main_200 mm dia	Rising Mains	27.68	200	1.5m-3.0m	$ 233	$ 6,438		1	$ 6,438			$ 20	$ -	2011	1.00	$ 6,438	Y						
	EME002	Passive	Effluent Rising Main	EME002_Effluent Rising MainEffluent Rising Main_200 mm dia	Effluent Rising Main_200 mm dia	Rising Mains	11.53	200	1.5m-3.0m	$ 233	$ 2,682		1	$ 2,682			$ 20	$ -	2011	1.00	$ 2,682	Y						
	EME003	Passive	Effluent Rising Main	EME003_Effluent Rising MainEffluent Rising Main_200 mm dia	Effluent Rising Main_200 mm dia	Rising Mains	29.71	200	1.5m-3.0m	$ 233	$ 6,910		1	$ 6,910			$ 20	$ -	2011	1.00	$ 6,910	Y						
	EME004	Passive	Effluent Rising Main	EME004_Effluent Rising MainEffluent Rising Main_200 mm dia	Effluent Rising Main_200 mm dia	Rising Mains	153.5	200	1.5m-3.0m	$ 233	$ 35,701		1	$ 35,701			$ 20	$ -	2011	1.00	$ 35,701	Y						
	EME005	Passive	Effluent Rising Main	EME005_Effluent Rising MainEffluent Rising Main_100 mm dia	Effluent Rising Main_100 mm dia	Rising Mains	125.97	100	1.5m-3.0m	$ 155	$ 19,539		1	$ 19,539			$ 20	$ -	2011	1.00	$ 19,539	Y						
	EME006	Passive	Effluent Rising Main	EME006_Effluent Rising MainEffluent Rising Main_100 mm dia	Effluent Rising Main_100 mm dia	Rising Mains	485.05	100	1.5m-3.0m	$ 155	$ 75,236		1	$ 75,236			$ 20	$ -	2011	1.00	$ 75,236	Y						
	EME007	Passive	Effluent Rising Main	EME007_Effluent Rising MainEffluent Rising Main_100 mm dia	Effluent Rising Main_100 mm dia	Rising Mains	254.55	100	1.5m-3.0m	$ 155	$ 39,483		1	$ 39,483			$ 20	$ -	2011	1.00	$ 39,483	Y						
	EME008	Passive	Effluent Rising Main	EME008_Effluent Rising MainEffluent Rising Main_100 mm dia	Effluent Rising Main_100 mm dia	Rising Mains	406.89	100	1.5m-3.0m	$ 155	$ 63,113		1	$ 63,113			$ 20	$ -	2011	1.00	$ 63,113	Y						
	EME009	Passive	Effluent Rising Main	EME009_Effluent Rising MainEffluent Rising Main_200 mm dia	Effluent Rising Main_200 mm dia	Rising Mains	255.95	200	1.5m-3.0m	$ 233	$ 59,529		1	$ 59,529			$ 20	$ -	2011	1.00	$ 59,529	Y						
	EME010	Passive	Effluent Rising Main	EME010_Effluent Rising MainEffluent Rising Main_200 mm dia	Effluent Rising Main_200 mm dia	Rising Mains	354.65	200	1.5m-3.0m	$ 233	$ 82,484		1	$ 82,484			$ 20	$ -	2011	1.00	$ 82,484	Y						
	EME011	Passive	Effluent Rising Main	EME011_Effluent Rising MainEffluent Rising Main_200 mm dia	Effluent Rising Main_200 mm dia	Rising Mains	467.7	200	1.5m-3.0m	$ 233	$ 108,778		1	$ 108,778			$ 20	$ -	2011	1.00	$ 108,778	Y						
	EME012	Passive	Effluent Rising Main	EME012_Effluent Rising MainEffluent Rising Main_200 mm dia	Effluent Rising Main_200 mm dia	Rising Mains	319.55	200	1.5m-3.0m	$ 233	$ 74,321		1	$ 74,321			$ 20	$ -	2011	1.00	$ 74,321	Y						
	EME013	Passive	Effluent Rising Main	EME013_Effluent Rising MainEffluent Rising Main_200 mm dia	Effluent Rising Main_200 mm dia	Rising Mains	1347.7	200	1.5m-3.0m	$ 233	$ 313,448		1	$ 313,448			$ 20	$ -	2011	1.00	$ 313,448	Y						
	EME014	Passive	Effluent Rising Main	EME014_Effluent Rising MainEffluent Rising Main_200 mm dia	Effluent Rising Main_200 mm dia	Rising Mains	588.68	200	1.5m-3.0m	$ 233	$ 136,915		1	$ 136,915			$ 20	$ -	2011	1.00	$ 136,915	Y						
	EME015	Passive	Effluent Rising Main	EME015_Effluent Rising MainEffluent Rising Main_200 mm dia	Effluent Rising Main_200 mm dia	Rising Mains	364.95	200	1.5m-3.0m	$ 233	$ 84,880		1	$ 84,880			$ 20	$ -	2011	1.00	$ 84,880	Y						
	EME016	Passive	Effluent Rising Main	EME016_Effluent Rising MainEffluent Rising Main_200 mm dia	Effluent Rising Main_200 mm dia	Rising Mains	197.29	200	1.5m-3.0m	$ 233	$ 45,886		1	$ 45,886			$ 20	$ -	2011	1.00	$ 45,886	Y						
	EME017	Passive	Effluent Rising Main	EME017_Effluent Rising MainEffluent Rising Main_200 mm dia	Effluent Rising Main_200 mm dia	Rising Mains	79.35	200	1.5m-3.0m	$ 233	$ 18,455		1	$ 18,455			$ 20	$ -	2011	1.00	$ 18,455	Y						
	EME018	Passive	Effluent Rising Main	EME018_Effluent Rising MainEffluent Rising Main_200 mm dia	Effluent Rising Main_200 mm dia	Rising Mains	620.82	200	1.5m-3.0m	$ 233	$ 144,390		1	$ 144,390			$ 20	$ -	2011	1.00	$ 144,390	Y						
	EME019	Passive	Effluent Rising Main	EME019_Effluent Rising MainEffluent Rising Main_200 mm dia	Effluent Rising Main_200 mm dia	Rising Mains	644.76	200	1.5m-3.0m	$ 233	$ 149,958		1	$ 149,958			$ 20	$ -	2011	1.00	$ 149,958	Y						
	EME020	Passive	Effluent Rising Main	EME020_Effluent Rising MainEffluent Rising Main_100 mm dia	Effluent Rising Main_100 mm dia	Rising Mains	238.76	100	1.5m-3.0m	$ 155	$ 37,034		1	$ 37,034			$ 20	$ -	2011	1.00	$ 37,034	Y						
	EME021	Passive	Effluent Rising Main	EME021_Effluent Rising MainEffluent Rising Main_200 mm dia	Effluent Rising Main_200 mm dia	Rising Mains	97.41	200	1.5m-3.0m	$ 233	$ 22,656		1	$ 22,656			$ 20	$ -	2011	1.00	$ 22,656	Y						
	GME001	Passive	Gravity Main	GME001_Gravity MainGravity Main_225 mm dia	Gravity Main_225 mm dia	Gravity Sewers	5.81	225	1.5m-3.0m	$ 235	$ 1,365		1	$ 1,365			$ 20	$ -	2011	1.00	$ 1,365		Y					
	GME002	Passive	Gravity Main	GME002_Gravity MainGravity Main_225 mm dia	Gravity Main_225 mm dia	Gravity Sewers	6.37	225	1.5m-3.0m	$ 235	$ 1,497		1	$ 1,497			$ 20	$ -	2011	1.00	$ 1,497	Y						
	GME003	Passive	Gravity Main	GME003_Gravity MainGravity Main_225 mm dia	Gravity Main_225 mm dia	Gravity Sewers	10	225	1.5m-3.0m	$ 235	$ 2,349		1	$ 2,349			$ 20	$ -	2011	1.00	$ 2,349	Y						
	GME004	Passive	Gravity Main	GME004_Gravity MainGravity Main_225 mm dia	Gravity Main_225 mm dia	Gravity Sewers	50.43	225	1.5m-3.0m	$ 235	$ 11,848		1	$ 11,848			$ 20	$ -	2011	1.00	$ 11,848	Y						
	GME005	Passive	Gravity Main	GME005_Gravity MainGravity Main_225 mm dia	Gravity Main_225 mm dia	Gravity Sewers	5.2	225	1.5m-3.0m	$ 235	$ 1,222		1	$ 1,222			$ 20	$ -	2011	1.00	$ 1,222	Y						
	GME006	Passive	Gravity Main	GME006_Gravity MainGravity Main_300 mm dia	Gravity Main_300 mm dia	Gravity Sewers	4.9	300	1.5m-3.0m	$ 304	$ 1,488		1	$ 1,488			$ 20	$ -	2011	1.00	$ 1,488	Y						
	GME007	Passive	Gravity Main	GME007_Gravity MainGravity Main_300 mm dia	Gravity Main_300 mm dia	Gravity Sewers	40.69	300	1.5m-3.0m	$ 304	$ 12,358		1	$ 12,358			$ 20	$ -	2011	1.00	$ 12,358	Y						
	GME008	Passive	Gravity Main	GME008_Gravity MainGravity Main_300 mm dia	Gravity Main_300 mm dia	Gravity Sewers	29.65	300	1.5m-3.0m	$ 304	$ 9,005		1	$ 9,005			$ 20	$ -	2011	1.00	$ 9,005	Y						
	GME009	Passive	Gravity Main	GME009_Gravity MainGravity Main_300 mm dia	Gravity Main_300 mm dia	Gravity Sewers	6.29	300	1.5m-3.0m	$ 304	$ 1,910		1	$ 1,910			$ 20	$ -	2011	1.00	$ 1,910	Y						
	GME010	Passive	Gravity Main	GME010_Gravity MainGravity Main_300 mm dia	Gravity Main_300 mm dia	Gravity Sewers	5.53	300	1.5m-3.0m	$ 304	$ 1,680		1	$ 1,680			$ 20	$ -	2011	1.00	$ 1,680		Y					
	GME011	Passive	Gravity Main	GME011_Gravity MainGravity Main_300 mm dia	Gravity Main_300 mm dia	Gravity Sewers	150.45	300	1.5m-3.0m	$ 304	$ 45,695		1	$ 45,695			$ 20	$ -	2011	1.00	$ 45,695		Y					
	GME012	Passive	Gravity Main	GME012_Gravity MainGravity Main_225 mm dia	Gravity Main_225 mm dia	Gravity Sewers	249.14	225	1.5m-3.0m	$ 235	$ 58,530		1	$ 58,530			$ 20	$ -	2011	1.00	$ 58,530		Y					
	GME013	Passive	Gravity Main	GME013_Gravity MainGravity Main_225 mm dia	Gravity Main_225 mm dia	Gravity Sewers	406.48	225	1.5m-3.0m	$ 235	$ 95,494		1	$ 95,494			$ 20	$ -	2011	1.00	$ 95,494		Y					
	GME014	Passive	Gravity Main	GME014_Gravity MainGravity Main_150 mm dia	Gravity Main_225 mm dia	Gravity Sewers	222.59	150	1.5m-3.0m	$ 199	$ 44,382		1	$ 44,382			$ 20	$ -	2011	1.00	$ 44,382		Y					
	GME015	Passive	Gravity Main	GME015_Gravity MainGravity Main_225 mm dia	Gravity Main_225 mm dia	Gravity Sewers	313.47	225	1.5m-3.0m	$ 235	$ 73,644		1	$ 73,644			$ 20	$ -	2011	1.00	$ 73,644		Y					
	GME016	Passive	Gravity Main	GME016_Gravity MainGravity Main_225 mm dia	Gravity Main_225 mm dia	Gravity Sewers	37.9	225	1.5m-3.0m	$ 235	$ 8,904		1	$ 8,904			$ 20	$ -	2011	1.00	$ 8,904		Y					
	GME017	Passive	Gravity Main	GME017_Gravity MainGravity Main_225 mm dia	Gravity Main_225 mm dia	Gravity Sewers	985.32	225	1.5m-3.0m	$ 235	$ 231,481		1	$ 231,481			$ 20	$ -	2011	1.00	$ 231,481		Y					
	GME018	Passive	Gravity Main	GME018_Gravity MainGravity Main_225 mm dia	Gravity Main_225 mm dia	Gravity Sewers	218.17	225	1.5m-3.0m	$ 235	$ 51,255		1	$ 51,255			$ 20	$ -	2011	1.00	$ 51,255		Y					
	GME019	Passive	Gravity Main	GME019_Gravity MainGravity Main_225 mm dia	Gravity Main_225 mm dia	Gravity Sewers	219.54	225	1.5m-3.0m	$ 235	$ 51,577		1	$ 51,577			$ 20	$ -	2011	1.00	$ 51,577	Y						
	GME020	Passive	Gravity Main	GME020_Gravity MainGravity Main_300 mm dia	Gravity Main_225 mm dia	Gravity Sewers	80.6	300	1.5m-3.0m	$ 304	$ 24,480		1	$ 24,480			$ 20	$ -	2011	1.00	$ 24,480	Y						
	GME021	Passive	Gravity Main	GME021_Gravity MainGravity Main_225 mm dia	Gravity Main_225 mm dia	Gravity Sewers	420.54	225	1.5m-3.0m	$ 235	$ 98,797		1	$ 98,797			$ 20	$ -	2011	1.00	$ 98,797	Y						
	GME022	Passive	Gravity Main	GME022_Gravity MainGravity Main_150 mm dia	Gravity Main_150 mm dia	Gravity Sewers	139.43	150	1.5m-3.0m	$ 199	$ 27,801		1	$ 27,801			$ 20	$ -	2011	1.00	$ 27,801	Y						
	GME023	Passive	Gravity Main	GME023_Gravity MainGravity Main_150 mm dia	Gravity Main_150 mm dia	Gravity Sewers	174.57	150	1.5m-3.0m	$ 199	$ 34,808		1	$ 34,808			$ 20	$ -	2011	1.00	$ 34,808	Y						
	GME024	Passive	Gravity Main	GME024_Gravity MainGravity Main_150 mm dia	Gravity Main_150 mm dia	Gravity Sewers	475.01	150	1.5m-3.0m	$ 199	$ 94,712		1	$ 94,712			$ 20	$ -	2011	1.00	$ 94,712	Y						
	GME025	Passive	Gravity Main	GME025_Gravity MainGravity Main_150 mm dia	Gravity Main_150 mm dia	Gravity Sewers	199.79	150	1.5m-3.0m	$ 199	$ 39,836		1	$ 39,836			$ 20	$ -	2011	1.00	$ 39,836	Y						
	GME026	Passive	Gravity Main	GME026_Gravity MainGravity Main_150 mm dia	Gravity Main_150 mm dia	Gravity Sewers	110.06	150	1.5m-3.0m	$ 199	$ 21,945		1	$ 21,945			$ 20	$ -	2011	1.00	$ 21,945	Y						
	GME027	Passive	Gravity Main	GME027_Gravity MainGravity Main_150 mm dia	Gravity Main_150 mm dia	Gravity Sewers	179.05	150	1.5m-3.0m	$ 199	$ 35,701		1	$ 35,701			$ 20	$ -	2011	1.00	$ 35,701	Y						
	GME028	Passive	Gravity Main	GME028_Gravity MainGravity Main_225 mm dia	Gravity Main_225 mm dia	Gravity Sewers	194.44	225	1.5m-3.0m	$ 235	$ 45,680		1	$ 45,680			$ 20	$ -	2011	1.00	$ 45,680	Y						
	GME029	Passive	Gravity Main	GME029_Gravity MainGravity Main_450 mm dia	Gravity Main_450 mm dia	Gravity Sewers	66.01	450	1.5m-3.0m	$ 315	$ 20,762		1	$ 20,762			$ 20	$ -	2011	1.00	$ 20,762		Y					
	GME030	Passive	Gravity Main	GME030_Gravity MainGravity Main_375 mm dia	Gravity Main_375 mm dia	Gravity Sewers	584.7	375	1.5m-3.0m	$ 330	$ 192,945		1	$ 192,945			$ 20	$ -	2011	1.00	$ 192,945		Y					
	GME031	Passive	Gravity Main	GME031_Gravity MainGravity Main_225 mm dia	Gravity Main_225 mm dia	Gravity Sewers	588.39	225	1.5m-3.0m	$ 235	$ 138,230		1	$ 138,230			$ 20	$ -	2011	1.00	$ 138,230		Y					
	GME032	Passive	Gravity Main	GME032_Gravity MainGravity Main_225 mm dia	Gravity Main_225 mm dia	Gravity Sewers	266.91	225	1.5m-3.0m	$ 235	$ 62,705		1	$ 62,705			$ 20	$ -	2011	1.00	$ 62,705		Y					

Douglas Shire Council
Wastewater

Return to "Existing Trunk Assets"

EXISTING TRUNK ASSETS

Land Valuation Type	Location

Asset Data																						Catchment Asset Allocation					
Basic Asset Data						Asset Attributes				Basic Asset Valuation					Land Attributes				Refined Asset Value								
Asset ID	LGIP ID	Asset Type (*)	Asset Class	Asset Name	Description	Unit Rate Type (*)	Length/unit (*)	Diameter (*)	Depth (*)	Unit Rate	Baseline Valuation	Site/Condition	Multiplier	Gross Value	Land Location/Type	Size of land (ha) (*)	Unit Cost	Land Value	Valuation Year	Escalation	Current Replaceme	PORT DOUGLAS (S1)	MOSSMAN (S2)	COOYA BEACH (S3)	NEWELL BEACH (S4)	WONGA BEACH / ROCKY POINT (S5)	SHARED TREATMENT (S2-S5)
Councils ID (from GIS, FAR, AMA etc.)	ID from the LGIP drawings		Pump Station, Gravity Main, Rising Main etc								May be calculated from unit rates OR unique values can be direct entered										CRC	21,153	6,841	1,850	612	2,244	11,546
	GME033	Passive	Gravity Main	GME033_Gravity MainGravity Main_375 mm dia	Gravity Main_375 mm dia	Gravity Sewers	203.31	375	1.5m-3.0m	$ 330	$ 67,090		1	$ 67,090			$ 20	$ -	2011	1.00	$ 67,090		Y				
	GME034	Passive	Gravity Main	GME034_Gravity MainGravity Main_300 mm dia	Gravity Main_300 mm dia	Gravity Sewers	330.31	300	1.5m-3.0m	$ 304	$ 100,322		1	$ 100,322			$ 20	$ -	2011	1.00	$ 100,322		Y				
	GME035	Passive	Gravity Main	GME035_Gravity MainGravity Main_300 mm dia	Gravity Main_300 mm dia	Gravity Sewers	201.17	300	1.5m-3.0m	$ 304	$ 61,099		1	$ 61,099			$ 20	$ -	2011	1.00	$ 61,099		Y				
	GME036	Passive	Gravity Main	GME036_Gravity MainGravity Main_225 mm dia	Gravity Main_225 mm dia	Gravity Sewers	242.06	225	1.5m-3.0m	$ 235	$ 56,867		1	$ 56,867			$ 20	$ -	2011	1.00	$ 56,867		Y				
	GME037	Passive	Gravity Main	GME037_Gravity MainGravity Main_225 mm dia	Gravity Main_225 mm dia	Gravity Sewers	280.46	225	1.5m-3.0m	$ 235	$ 65,888		1	$ 65,888			$ 20	$ -	2011	1.00	$ 65,888		Y				
	GME038	Passive	Gravity Main	GME038_Gravity MainGravity Main_225 mm dia	Gravity Main_225 mm dia	Gravity Sewers	37.41	225	1.5m-3.0m	$ 235	$ 8,789		1	$ 8,789			$ 20	$ -	2011	1.00	$ 8,789		Y				
	GME039	Passive	Gravity Main	GME039_Gravity MainGravity Main_225 mm dia	Gravity Main_225 mm dia	Gravity Sewers	200.63	225	1.5m-3.0m	$ 235	$ 47,134		1	$ 47,134			$ 20	$ -	2011	1.00	$ 47,134		Y				
	GME040	Passive	Gravity Main	GME040_Gravity MainGravity Main_225 mm dia	Gravity Main_225 mm dia	Gravity Sewers	473.48	225	1.5m-3.0m	$ 235	$ 111,235		1	$ 111,235			$ 20	$ -	2011	1.00	$ 111,235		Y				
	GME041	Passive	Gravity Main	GME041_Gravity MainGravity Main_225 mm dia	Gravity Main_225 mm dia	Gravity Sewers	120.7	225	1.5m-3.0m	$ 235	$ 28,356		1	$ 28,356			$ 20	$ -	2011	1.00	$ 28,356	Y					
	GME042	Passive	Gravity Main	GME042_Gravity MainGravity Main_225 mm dia	Gravity Main_225 mm dia	Gravity Sewers	270.9	225	1.5m-3.0m	$ 235	$ 63,643		1	$ 63,643			$ 20	$ -	2011	1.00	$ 63,643	Y					
	GME043	Passive	Gravity Main	GME043_Gravity MainGravity Main_225 mm dia	Gravity Main_225 mm dia	Gravity Sewers	113.46	225	1.5m-3.0m	$ 235	$ 26,655		1	$ 26,655			$ 20	$ -	2011	1.00	$ 26,655	Y					
	GME044	Passive	Gravity Main	GME044_Gravity MainGravity Main_300 mm dia	Gravity Main_300 mm dia	Gravity Sewers	174.74	300	1.5m-3.0m	$ 304	$ 53,072		1	$ 53,072			$ 20	$ -	2011	1.00	$ 53,072	Y					
	GME045	Passive	Gravity Main	GME045_Gravity MainGravity Main_225 mm dia	Gravity Main_225 mm dia	Gravity Sewers	206.83	225	1.5m-3.0m	$ 235	$ 48,591		1	$ 48,591			$ 20	$ -	2011	1.00	$ 48,591	Y					
	GME046	Passive	Gravity Main	GME046_Gravity MainGravity Main_225 mm dia	Gravity Main_225 mm dia	Gravity Sewers	76.96	225	1.5m-3.0m	$ 235	$ 18,080		1	$ 18,080			$ 20	$ -	2011	1.00	$ 18,080	Y					
	GME047	Passive	Gravity Main	GME047_Gravity MainGravity Main_300 mm dia	Gravity Main_300 mm dia	Gravity Sewers	315.48	300	1.5m-3.0m	$ 304	$ 95,818		1	$ 95,818			$ 20	$ -	2011	1.00	$ 95,818	Y					
	GME048	Passive	Gravity Main	GME048_Gravity MainGravity Main_300 mm dia	Gravity Main_300 mm dia	Gravity Sewers	107.52	300	1.5m-3.0m	$ 304	$ 32,656		1	$ 32,656			$ 20	$ -	2011	1.00	$ 32,656	Y					
	GME049	Passive	Gravity Main	GME049_Gravity MainGravity Main_300 mm dia	Gravity Main_300 mm dia	Gravity Sewers	73.03	300	1.5m-3.0m	$ 304	$ 22,181		1	$ 22,181			$ 20	$ -	2011	1.00	$ 22,181	Y					
	GME050	Passive	Gravity Main	GME050_Gravity MainGravity Main_225 mm dia	Gravity Main_225 mm dia	Gravity Sewers	175.75	225	1.5m-3.0m	$ 235	$ 41,289		1	$ 41,289			$ 20	$ -	2011	1.00	$ 41,289	Y					
	GME051	Passive	Gravity Main	GME051_Gravity MainGravity Main_225 mm dia	Gravity Main_225 mm dia	Gravity Sewers	1.37	225	1.5m-3.0m	$ 235	$ 322		1	$ 322			$ 20	$ -	2011	1.00	$ 322		Y				
	GME052	Passive	Gravity Main	GME052_Gravity MainGravity Main_150 mm dia	Gravity Main_150 mm dia	Gravity Sewers	212.92	150	1.5m-3.0m	$ 199	$ 42,454		1	$ 42,454			$ 20	$ -	2011	1.00	$ 42,454	Y					
	GME053	Passive	Gravity Main	GME053_Gravity MainGravity Main_150 mm dia	Gravity Main_150 mm dia	Gravity Sewers	299.43	150	1.5m-3.0m	$ 199	$ 59,703		1	$ 59,703			$ 20	$ -	2011	1.00	$ 59,703	Y					
	RME001	Passive	Rising Main	RME001_Rising MainRising Main_100 mm dia	Rising Main_100 mm dia	Rising Mains	73.23	100	1.5m-3.0m	$ 155	$ 11,359		1	$ 11,359			$ 20	$ -	2011	1.00	$ 11,359	Y					
	RME002	Passive	Rising Main	RME002_Rising MainRising Main_100 mm dia	Rising Main_100 mm dia	Rising Mains	249.7	100	1.5m-3.0m	$ 155	$ 38,731		1	$ 38,731			$ 20	$ -	2011	1.00	$ 38,731		Y				
	RME003	Passive	Rising Main	RME003_Rising MainRising Main_200 mm dia	Rising Main_200 mm dia	Rising Mains	8.85	200	1.5m-3.0m	$ 233	$ 2,058		1	$ 2,058			$ 20	$ -	2011	1.00	$ 2,058		Y				
	RME004	Passive	Rising Main	RME004_Rising MainRising Main_150 mm dia	Rising Main_150 mm dia	Rising Mains	379.47	150	1.5m-3.0m	$ 193	$ 73,310		1	$ 73,310			$ 20	$ -	2011	1.00	$ 73,310	Y					
	RME005	Passive	Rising Main	RME005_Rising MainRising Main_200 mm dia	Rising Main_200 mm dia	Rising Mains	6.52	200	1.5m-3.0m	$ 233	$ 1,516		1	$ 1,516			$ 20	$ -	2011	1.00	$ 1,516	Y					
	RME006	Passive	Rising Main	RME006_Rising MainRising Main_200 mm dia	Rising Main_200 mm dia	Rising Mains	226.25	200	1.5m-3.0m	$ 233	$ 52,621		1	$ 52,621			$ 20	$ -	2011	1.00	$ 52,621	Y					
	RME007	Passive	Rising Main	RME007_Rising MainRising Main_200 mm dia	Rising Main_200 mm dia	Rising Mains	9.97	200	1.5m-3.0m	$ 233	$ 2,319		1	$ 2,319			$ 20	$ -	2011	1.00	$ 2,319	Y					
	RME008	Passive	Rising Main	RME008_Rising MainRising Main_200 mm dia	Rising Main_200 mm dia	Rising Mains	158.07	200	1.5m-3.0m	$ 233	$ 36,764		1	$ 36,764			$ 20	$ -	2011	1.00	$ 36,764	Y					
	RME009	Passive	Rising Main	RME009_Rising MainRising Main_300 mm dia	Rising Main_300 mm dia	Rising Mains	217.19	300	1.5m-3.0m	$ 344	$ 74,755		1	$ 74,755			$ 20	$ -	2011	1.00	$ 74,755	Y					
	RME010	Passive	Rising Main	RME010_Rising MainRising Main_300 mm dia	Rising Main_300 mm dia	Rising Mains	429.78	300	1.5m-3.0m	$ 344	$ 147,926		1	$ 147,926			$ 20	$ -	2011	1.00	$ 147,926	Y					
	RME011	Passive	Rising Main	RME011_Rising MainRising Main_300 mm dia	Rising Main_300 mm dia	Rising Mains	435.28	300	1.5m-3.0m	$ 344	$ 149,819		1	$ 149,819			$ 20	$ -	2011	1.00	$ 149,819	Y					
	RME012	Passive	Rising Main	RME012_Rising MainRising Main_300 mm dia	Rising Main_300 mm dia	Rising Mains	380.85	300	1.5m-3.0m	$ 344	$ 131,085		1	$ 131,085			$ 20	$ -	2011	1.00	$ 131,085	Y					
	RME013	Passive	Rising Main	RME013_Rising MainRising Main_300 mm dia	Rising Main_300 mm dia	Rising Mains	614.3	300	1.5m-3.0m	$ 344	$ 211,436		1	$ 211,436			$ 20	$ -	2011	1.00	$ 211,436	Y					
	RME014	Passive	Rising Main	RME014_Rising MainRising Main_300 mm dia	Rising Main_300 mm dia	Rising Mains	10.99	300	1.5m-3.0m	$ 344	$ 3,783		1	$ 3,783			$ 20	$ -	2011	1.00	$ 3,783	Y					
	RME015	Passive	Rising Main	RME015_Rising MainRising Main_375 mm dia	Rising Main_375 mm dia	Rising Mains	224.7	375	1.5m-3.0m	$ 814	$ 182,881		1	$ 182,881			$ 20	$ -	2011	1.00	$ 182,881	Y					
	RME016	Passive	Rising Main	RME016_Rising MainRising Main_375 mm dia	Rising Main_375 mm dia	Rising Mains	440.77	375	1.5m-3.0m	$ 814	$ 358,738		1	$ 358,738			$ 20	$ -	2011	1.00	$ 358,738	Y					
	RME017	Passive	Rising Main	RME017_Rising MainRising Main_100 mm dia	Rising Main_100 mm dia	Rising Mains	1026.02	100	1.5m-3.0m	$ 155	$ 159,146		1	$ 159,146			$ 20	$ -	2011	1.00	$ 159,146		Y				
	RME018	Passive	Rising Main	RME018_Rising MainRising Main_100 mm dia	Rising Main_100 mm dia	Rising Mains	1040.04	100	1.5m-3.0m	$ 155	$ 161,321		1	$ 161,321			$ 20	$ -	2011	1.00	$ 161,321		Y				
	RME019	Passive	Rising Main	RME019_Rising MainRising Main_100 mm dia	Rising Main_100 mm dia	Rising Mains	183.28	100	1.5m-3.0m	$ 155	$ 28,429		1	$ 28,429			$ 20	$ -	2011	1.00	$ 28,429		Y				
	RME020	Passive	Rising Main	RME020_Rising MainRising Main_80 mm dia	Rising Main_80 mm dia	Rising Mains	2784.2	80	1.5m-3.0m	$ 132	$ 367,514		1	$ 367,514			$ 20	$ -	2011	1.00	$ 367,514		Y				
	RME021	Passive	Rising Main	RME021_Rising MainRising Main_100 mm dia	Rising Main_100 mm dia	Rising Mains	641.67	100	1.5m-3.0m	$ 155	$ 99,529		1	$ 99,529			$ 20	$ -	2011	1.00	$ 99,529		Y				
	RME022	Passive	Rising Main	RME022_Rising MainRising Main_80 mm dia	Rising Main_80 mm dia	Rising Mains	259.04	80	1.5m-3.0m	$ 132	$ 34,193		1	$ 34,193			$ 20	$ -	2011	1.00	$ 34,193	Y					
	RME023	Passive	Rising Main	RME023_Rising MainRising Main_50 mm dia	Rising Main_50 mm dia	Rising Mains	40.7	50	1.5m-3.0m	$ 91	$ 3,702		1	$ 3,702			$ 20	$ -	2011	1.00	$ 3,702	Y					
	RME024	Passive	Rising Main	RME024_Rising MainRising Main_100 mm dia	Rising Main_100 mm dia	Rising Mains	263.34	100	1.5m-3.0m	$ 155	$ 40,847		1	$ 40,847			$ 20	$ -	2011	1.00	$ 40,847	Y					
	RME025	Passive	Rising Main	RME025_Rising MainRising Main_150 mm dia	Rising Main_150 mm dia	Rising Mains	694.99	150	1.5m-3.0m	$ 193	$ 134,265		1	$ 134,265			$ 20	$ -	2011	1.00	$ 134,265	Y					
	RME026	Passive	Rising Main	RME026_Rising MainRising Main_200 mm dia	Rising Main_200 mm dia	Rising Mains	178.66	200	1.5m-3.0m	$ 233	$ 41,553		1	$ 41,553			$ 20	$ -	2011	1.00	$ 41,553	Y					
	RME027	Passive	Rising Main	RME027_Rising MainRising Main_63 mm dia	Rising Main_63 mm dia	Rising Mains	181.23	63	1.5m-3.0m	$ 107	$ 19,323		1	$ 19,323			$ 20	$ -	2011	1.00	$ 19,323	Y					
	RME028	Passive	Rising Main	RME028_Rising MainRising Main_100 mm dia	Rising Main_100 mm dia	Rising Mains	203.85	100	1.5m-3.0m	$ 155	$ 31,619		1	$ 31,619			$ 20	$ -	2011	1.00	$ 31,619	Y					
	RME029	Passive	Rising Main	RME029_Rising MainRising Main_150 mm dia	Rising Main_150 mm dia	Rising Mains	229.93	150	1.5m-3.0m	$ 193	$ 44,420		1	$ 44,420			$ 20	$ -	2011	1.00	$ 44,420	Y					
	RME030	Passive	Rising Main	RME030_Rising MainRising Main_100 mm dia	Rising Main_100 mm dia	Rising Mains	49.21	100	1.5m-3.0m	$ 155	$ 7,633		1	$ 7,633			$ 20	$ -	2011	1.00	$ 7,633	Y					
	RME031	Passive	Rising Main	RME031_Rising MainRising Main_63 mm dia	Rising Main_63 mm dia	Rising Mains	334.49	63	1.5m-3.0m	$ 107	$ 35,663		1	$ 35,663			$ 20	$ -	2011	1.00	$ 35,663	Y					
	RME032	Passive	Rising Main	RME032_Rising MainRising Main_50 mm dia	Rising Main_50 mm dia	Rising Mains	100.65	50	1.5m-3.0m	$ 91	$ 9,155		1	$ 9,155			$ 20	$ -	2011	1.00	$ 9,155	Y					
	RME033	Passive	Rising Main	RME033_Rising MainRising Main_200 mm dia	Rising Main_200 mm dia	Rising Mains	708.22	200	1.5m-3.0m	$ 233	$ 164,718		1	$ 164,718			$ 20	$ -	2011	1.00	$ 164,718			Y			
	RME034	Passive	Rising Main	RME034_Rising MainRising Main_200 mm dia	Rising Main_200 mm dia	Rising Mains	380.61	200	1.5m-3.0m	$ 233	$ 88,522		1	$ 88,522			$ 20	$ -	2011	1.00	$ 88,522			Y			
	RME035	Passive	Rising Main	RME035_Rising MainRising Main_200 mm dia	Rising Main_200 mm dia	Rising Mains	51.68	200	1.5m-3.0m	$ 233	$ 12,020		1	$ 12,020			$ 20	$ -	2011	1.00	$ 12,020			Y			
	RME036	Passive	Rising Main	RME036_Rising MainRising Main_150 mm dia	Rising Main_150 mm dia	Rising Mains	850.93	150	1.5m-3.0m	$ 193	$ 164,391		1	$ 164,391			$ 20	$ -	2011	1.00	$ 164,391		Y				
	RME037	Passive	Rising Main	RME037_Rising MainRising Main_200 mm dia	Rising Main_200 mm dia	Rising Mains	399.22	200	1.5m-3.0m	$ 233	$ 92,851		1	$ 92,851			$ 20	$ -	2011	1.00	$ 92,851			Y			
	RME038	Passive	Rising Main	RME038_Rising MainRising Main_200 mm dia	Rising Main_200 mm dia	Rising Mains	21.27	200	1.5m-3.0m	$ 233	$ 4,947		1	$ 4,947			$ 20	$ -	2011	1.00	$ 4,947			Y			
	RME039	Passive	Rising Main	RME039_Rising MainRising Main_200 mm dia	Rising Main_200 mm dia	Rising Mains	532.97	200	1.5m-3.0m	$ 233	$ 123,958		1	$ 123,958			$ 20	$ -	2011	1.00	$ 123,958			Y			
	RME040	Passive	Rising Main	RME040_Rising MainRising Main_200 mm dia	Rising Main_200 mm dia	Rising Mains	584.32	200	1.5m-3.0m	$ 233	$ 135,901		1	$ 135,901			$ 20	$ -	2011	1.00	$ 135,901			Y			
	RME041	Passive	Rising Main	RME041_Rising MainRising Main_200 mm dia	Rising Main_200 mm dia	Rising Mains	10.46	200	1.5m-3.0m	$ 233	$ 2,433		1	$ 2,433			$ 20	$ -	2011	1.00	$ 2,433			Y			
	RME042	Passive	Rising Main	RME042_Rising MainRising Main_200 mm dia	Rising Main_200 mm dia	Rising Mains	320.59	200	1.5m-3.0m	$ 233	$ 74,563		1	$ 74,563			$ 20	$ -	2011	1.00	$ 74,563			Y			
	RME043	Passive	Rising Main	RME043_Rising MainRising Main_100 mm dia	Rising Main_100 mm dia	Rising Mains	218.38	100	1.5m-3.0m	$ 155	$ 33,873		1	$ 33,873			$ 20	$ -	2011	1.00	$ 33,873		Y				
	RME044	Passive	Rising Main	RME044_Rising MainRising Main_100 mm dia	Rising Main_100 mm dia	Rising Mains	262.16	100	1.5m-3.0m	$ 155	$ 40,664		1	$ 40,664			$ 20	$ -	2011	1.00	$ 40,664	Y					
	RME045	Passive	Rising Main	RME045_Rising MainRising Main_100 mm dia	Rising Main_100 mm dia	Rising Mains	151.51	100	1.5m-3.0m	$ 155	$ 23,501		1	$ 23,501			$ 20	$ -	2011	1.00	$ 23,501	Y					
	RME046	Passive	Rising Main	RME046_Rising MainRising Main_200 mm dia	Rising Main_200 mm dia	Rising Mains	705.23	200	1.5m-3.0m	$ 233	$ 164,022		1	$ 164,022			$ 20	$ -	2011	1.00	$ 164,022	Y					
	RME047	Passive	Rising Main	RME047_Rising MainRising Main_150 mm dia	Rising Main_150 mm dia	Rising Mains	64.83	150	1.5m-3.0m	$ 193	$ 12,525		1	$ 12,525			$ 20	$ -	2011	1.00	$ 12,525	Y					
	RME048	Passive	Rising Main	RME048_Rising MainRising Main_200 mm dia	Rising Main_200 mm dia	Rising Mains	235.18	200	1.5m-3.0m	$ 233	$ 54,698		1	$ 54,698			$ 20	$ -	2011	1.00	$ 54,698	Y					
	RME049	Passive	Rising Main	RME049_Rising MainRising Main_150 mm dia	Rising Main_150 mm dia	Rising Mains	252.58	150	1.5m-3.0m	$ 193	$ 48,796		1	$ 48,796			$ 20	$ -	2011	1.00	$ 48,796	Y					
	RME050	Passive	Rising Main	RME050_Rising MainRising Main_150 mm dia	Rising Main_150 mm dia	Rising Mains	542.74	150	1.5m-3.0m	$ 193	$ 104,852		1	$ 104,852			$ 20	$ -	2011	1.00	$ 104,852	Y					
	RME051	Passive	Rising Main	RME051_Rising MainRising Main_375 mm dia	Rising Main_375 mm dia	Rising Mains	64.38	375	1.5m-3.0m	$ 814	$ 52,398		1	$ 52,398			$ 20	$ -	2011	1.00	$ 52,398	Y					
	RME052	Passive	Rising Main	RME052_Rising MainRising Main_375 mm dia	Rising Main_375 mm dia	Rising Mains	51.08	375	1.5m-3.0m	$ 814	$ 41,574		1	$ 41,574			$ 20	$ -	2011	1.00	$ 41,574	Y					
	RME053	Passive	Rising Main	RME053_Rising MainRising Main_375 mm dia	Rising Main_375 mm dia	Rising Mains	226.57	375	1.5m-3.0m	$ 814	$ 184,403		1	$ 184,403			$ 20	$ -	2011	1.00	$ 184,403	Y					
	RME054	Passive	Rising Main	RME054_Rising MainRising Main_100 mm dia	Rising Main_100 mm dia	Rising Mains	225.66	100	1.5m-3.0m	$ 155	$ 35,002		1	$ 35,002			$ 20	$ -	2011	1.00	$ 35,002	Y					
	RME055	Passive	Rising Main	RME055_Rising MainRising Main_300 mm dia	Rising Main_300 mm dia	Rising Mains	90.93	300	1.5m-3.0m	$ 344	$ 31,297		1	$ 31,297			$ 20	$ -	2011	1.00	$ 31,297	Y					
	RME056	Passive	Rising Main	RME056_Rising MainRising Main_300 mm dia	Rising Main_300 mm dia	Rising Mains	557	300	1.5m-3.0m	$ 344	$ 191,714		1	$ 191,714			$ 20	$ -	2011	1.00	$ 191,714	Y					
	RME057	Passive	Rising Main	RME057_Rising MainRising Main_300 mm dia	Rising Main_300 mm dia	Rising Mains	396.06	300	1.5m-3.0m	$ 344	$ 136,320		1	$ 136,320			$ 20	$ -	2011	1.00	$ 136,320	Y					
	RME058	Passive	Rising Main	RME058_Rising MainRising Main_200 mm dia	Rising Main_200 mm dia	Rising Mains	243.06	200	1.5m-3.0m	$ 233	$ 56,531		1	$ 56,531			$ 20	$ -	2011	1.00	$ 56,531	Y					
	RME059	Passive	Rising Main	RME059_Rising MainRising Main_100 mm dia	Rising Main_100 mm dia	Rising Mains	215.83	100	1.5m-3.0m	$ 155	$ 33,477		1	$ 33,477			$ 20	$ -	2011	1.00	$ 33,477	Y					
	RME060	Passive	Rising Main	RME060_Rising MainRising Main_100 mm dia	Rising Main_100 mm dia	Rising Mains	81.37	100	1.5m-3.0m	$ 155	$ 12,621		1	$ 12,621			$ 20	$ -	2011	1.00	$ 12,621	Y					
	RME061	Passive	Rising Main	RME061_Rising MainRising Main_150 mm dia	Rising Main_150 mm dia	Rising Mains	312.32	150	1.5m-3.0m	$ 193	$ 60,337		1	$ 60,337			$ 20	$ -	2011	1.00	$ 60,337	Y					
	RME062	Passive	Rising Main	RME062_Rising MainRising Main_100 mm dia	Rising Main_100 mm dia	Rising Mains	403.09	100	1.5m-3.0m	$ 155	$ 62,523		1	$ 62,523			$ 20	$ -	2011	1.00	$ 62,523	Y					
	RME063	Passive	Rising Main	RME063_Rising MainRising Main_100 mm dia	Rising Main_100 mm dia	Rising Mains	849.33	100	1.5m-3.0m	$ 155	$ 131,740		1	$ 131,740			$ 20	$ -	2011	1.00	$ 131,740	Y					
	RME064	Passive	Rising Main	RME064_Rising MainRising Main_150 mm dia	Rising Main_150 mm dia	Rising Mains	183.98	150	1.5m-3.0m	$ 193	$ 35,543		1	$ 35,543			$ 20	$ -	2011	1.00	$ 35,543	Y					
	RME065	Passive	Rising Main	RME065_Rising MainRising Main_80 mm dia	Rising Main_80 mm dia	Rising Mains	268.68	80	1.5m-3.0m	$ 132	$ 35,466		1	$ 35,466			$ 20	$ -	2011	1.00	$ 35,466	Y					
	RME066	Passive	Rising Main	RME066_Rising MainRising Main_300 mm dia	Rising Main_300 mm dia	Rising Mains	348.39	300	1.5m-3.0m	$ 344	$ 119,912		1	$ 119,912			$ 20	$ -	2011	1.00	$ 119,912	Y					
	RME067	Passive	Rising Main	RME067_Rising MainRising Main_200 mm dia	Rising Main_200 mm dia	Rising Mains	249.6	200	1.5m-3.0m	$ 233	$ 58,052		1	$ 58,052			$ 20	$ -	2011	1.00	$ 58,052	Y					
	RME068	Passive	Rising Main	RME068_Rising MainRising Main_100 mm dia	Rising Main_100 mm dia	Rising Mains	10.08	100	1.5m-3.0m	$ 155	$ 1,564		1	$ 1,564			$ 20	$ -	2011	1.00	$ 1,564	Y					
	RME069	Passive	Rising Main	RME069_Rising MainRising Main_300 mm dia	Rising Main_300 mm dia	Rising Mains	963.3	300	1.5m-3.0m	$ 344	$ 331,558		1	$ 331,558			$ 20	$ -	2011	1.00	$ 331,558	Y					
	RME070	Passive	Rising Main	RME070_Rising MainRising Main_200 mm dia	Rising Main_200 mm dia	Rising Mains	8.5	200	1.5m-3.0m	$ 233	$ 1,977		1	$ 1,977			$ 20	$ -	2011	1.00	$ 1,977			Y			
	RME071	Passive	Rising Main	RME071_Rising MainRising Main_80 mm dia	Rising Main_80 mm dia	Rising Mains	37.8	80	1.5m-3.0m	$ 132	$ 4,990		1	$ 4,990			$ 20	$ -	2011	1.00	$ 4,990	Y					
	RME072	Passive	Rising Main	RME072_Rising MainRising Main_100 mm dia	Rising Main_100 mm dia	Rising Mains	400	100	1.5m-3.0m	$ 155	$ 62,044		1	$ 62,044			$ 20	$ -	2011	1.00	$ 62,044	Y					
	RME073	Passive	Rising Main	RME073_Rising MainRising Main_150 mm dia	Rising Main_150 mm dia	Rising Mains	50	150	1.5m-3.0m	$ 193	$ 9,660		1	$ 9,660			$ 20	$ -	2011	1.00	$ 9,660	Y					

Douglas Shire Council
Wastewater

Return to "Existing Trunk Assets"

EXISTING TRUNK ASSETS

Land Valuation Type	Location

Asset Data																										Catchment Asset Allocation						
Basic Asset Data							Asset Attributes					Basic Asset Valuation					Land Attributes				Refined Asset Value										
Asset ID	LGIP ID	Asset Type (*)	Asset Class	Asset Name	Description		Unit Rate Type (*)	Length/unit (*)	Diameter (*)	Depth (*)		Unit Rate	Baseline Valuation	Site/Condition	Multiplier	Gross Value	Land Location/Type	Size of land (ha) (*)	Unit Cost	Land Value	Valuation Year	Escalation	Current Replacement		PORT DOUGLAS ($1)	MOSSMAN ($2)	COOYA BEACH ($3)	NEWELL BEACH ($4)	WONGA BEACH / ROCKY POINT ($5)	SHARED TREATMENT ($2,$5)
Councils ID (from GIS, FAR, AMA etc)	ID from the LGIP drawings		Pump Station, Gravity Main, Rising Main etc										May be calculated from unit rates OR unique values can be direct entered										CRC		21.153	8.841	3.850	5.012	2.044	31.546
	RME074	Passive	Rising Main	RME074_Rising MainRising Main_100 mm dia	Rising_Main_100 mm dia		Rising Mains	90	100	1.5m-3.0m		$ 155	$ 13,960		1	$ 13,960			$ 20	$ -	2011	1.00	$ 13,960		Y						
	RME075	Passive	Rising Main	RME075_Rising MainRising Main_150 mm dia	Rising_Main_150 mm dia		Rising Mains	125	150	1.5m-3.0m		$ 193	$ 24,149		1	$ 24,149			$ 20	$ -	2011	1.00	$ 24,149		Y						
	RME076	Passive	Rising Main	RME076_Rising MainRising Main_100 mm dia	Rising_Main_100 mm dia		Rising Mains	163.75	100	1.5m-3.0m		$ 155	$ 25,399		1	$ 25,399			$ 20	$ -	2011	1.00	$ 25,399		Y						
	RME078	Passive	Rising Main	RME078_Rising MainRising Main_100 mm dia	Rising_Main_100 mm dia		Rising Mains	27.63	100	1.5m-3.0m		$ 155	$ 4,286		1	$ 4,286			$ 20	$ -	2011	1.00	$ 4,286		Y						
	RME077	Passive	Rising Main	RME077_Rising MainRising Main_100 mm dia	Rising_Main_100 mm dia		Rising Mains	519.03	100	1.5m-3.0m		$ 155	$ 80,507		1	$ 80,507			$ 20	$ -	2011	1.00	$ 80,507		Y						
												$ -	$ -		1	$ -			$ 20	$ -		1.00	$ -								

Douglas Shire Council
Transport

EXISTING TRUNK ASSETS

Return to "Existing Trunk Assets"

Land Valuation Type	Location

Asset Data																				Catchment Asset Allocation	
Basic Asset Data					Asset Attributes			Basic Asset Valuation					Land Attributes				Refined Asset Value				
Asset ID	LGIP ID	Asset Class	Asset Name	Description	Unit Rate Type (*)	Length/unit (*)	Hiercahy/name	Unit Rate	Baseline Valuation	Site/Condition	Multiplier	Gross Value	Land Location/Type	Size of land (ha) (*)	Unit Cost	Land Value	Valuation Year	Escalation	Current Replacement	Douglas Shire South (TR1)	Douglas Shire North (TR2)
Councils ID (from GIS, FAR, AMA etc.)	ID from the LGIP drawings	Arterial, Subarterial, Collector							May be calculated from unit rates OR unique values can be direct entered										CRC	131,539	3,261
INTERSECTIONS																					
	ISE001	Intersection: Roundabout - 1 lane minor	Old Port Road and Nautilus Street	ISE001_Intersection: Roundabout - 1 lane minor_Old Port Road and Nautilus Street	INTERSECTION / STRUCTURES	1	Intersection: Roundabout - 1 lane minor	$ 271,425	$ 271,425	Douglas Shire South (TR1)	1	$ 271,425			$ 20	$ -	2009	1.05	$ 285,965	Y	
	ISE002	Intersection: Roundabout - 1 lane minor	Old Port Road and Downing Street	ISE002_Intersection: Roundabout - 1 lane minor_Old Port Road and Downing Street	INTERSECTION / STRUCTURES	1	Intersection: Roundabout - 1 lane minor	$ 271,425	$ 271,425	Douglas Shire South (TR1)	1	$ 271,425			$ 20	$ -	2009	1.05	$ 285,965	Y	
								$ -	$ -		1	$ -			$ 20	$ -	2009	1.05	$ -		
STRUCTURES																					
	SBE001	Bridge	Oliver Creek Bridge	SBE001_Oliver Creek Bridge_L=11.5 W=4	INTERSECTION / STRUCTURES	11.5	Structures: Bridges (/m2)	$ 6,181	$ 71,081	Douglas Shire North (TR2)	1.4	$ 99,514			$ 20	$ -	2009	1.05	$ 104,845		Y
	SBE002	Bridge	Goobiddi Bridge	SBE002_Goobiddi Bridge_Marrs Creek (Mossman Gorge Road) L=9 W=6	INTERSECTION / STRUCTURES	9	Structures: Bridges (/m2)	$ 6,181	$ 55,629	Douglas Shire South (TR1)	1	$ 55,629			$ 20	$ -	2009	1.05	$ 58,609	Y	
	SBE003	Bridge	Hutchinson Creek Bridge	SBE003_Hutchinson Creek Bridge_Hutchinson Creek (Cape Tribulation Road) L=25.7 W=4.2	INTERSECTION / STRUCTURES	25.7	Structures: Bridges (/m2)	$ 6,181	$ 158,851	Douglas Shire North (TR2)	1.4	$ 222,392			$ 20	$ -	2009	1.05	$ 234,306		Y
	SBE004	Bridge	Junction Bridge	SBE004_Junction Bridge_Cooya Beach Road L=24 W=6	INTERSECTION / STRUCTURES	24	Structures: Bridges (/m2)	$ 6,181	$ 148,344	Douglas Shire South (TR1)	1	$ 148,344			$ 20	$ -	2009	1.05	$ 156,291	Y	
	SBE005	Bridge	Noah Bridge	SBE005_Noah Bridge_Noah Creek (Cape Tribulation Road) L=36 W=3.6	INTERSECTION / STRUCTURES	36	Structures: Bridges (/m2)	$ 6,181	$ 222,516	Douglas Shire North (TR2)	1.4	$ 311,522			$ 20	$ -	2009	1.05	$ 328,211		Y
	SCE001	Culvert	Ulysses Avenue	SCE001_Ulysses Avenue_Ulysses Avenue L=18 W=9	INTERSECTION / STRUCTURES	18	Structures: Culverts	Identified in schedule(s)	$ 278,265	Douglas Shire South (TR1)	1	$ 278,265			$ 20	$ -	2009	1.05	$ 293,172	Y	
	SCE002	Culvert	Creek Neardiwan	SCE002_Creek Neardiwan_Cape Tribulation Road L=14 W=8	INTERSECTION / STRUCTURES	14	Structures: Culverts	Identified in schedule(s)	$ 107,253	Douglas Shire North (TR2)	1.4	$ 150,154			$ 20	$ -	2009	1.05	$ 158,198		Y
	SCE003	Culvert	Buchanan Ck Rd	SCE003_Buchanan Ck Rd_Buchanan Creek Road (Cow Bay) L=13 W=8	INTERSECTION / STRUCTURES	13	Structures: Culverts	Identified in schedule(s)	$ 88,928	Douglas Shire North (TR2)	1.4	$ 124,500			$ 20	$ -	2009	1.05	$ 131,169		Y
	SCE004	Culvert	Buchanan Ck Rd	SCE004_Buchanan Ck Rd_Buchanan Creek Road (Cow Bay) L=8 W=8	INTERSECTION / STRUCTURES	8	Structures: Culverts	Identified in schedule(s)	$ 58,849	Douglas Shire North (TR2)	1.4	$ 82,388			$ 20	$ -	2009	1.05	$ 86,802		Y
	SCE005	Culvert	Buchanan Ck Rd	SCE005_Buchanan Ck Rd_Buchanan Creek Road (Cow Bay) L=14 W=10	INTERSECTION / STRUCTURES	14	Structures: Culverts	Identified in schedule(s)	$ 90,369	Douglas Shire North (TR2)	1.4	$ 126,516			$ 20	$ -	2009	1.05	$ 133,294		Y
	SCE006	Culvert	Shepard Valley Cl	SCE006_Shepard Valley Cl_Parker Creek L=10 W=8	INTERSECTION / STRUCTURES	10	Structures: Culverts	Identified in schedule(s)	$ 265,882	Douglas Shire South (TR1)	1	$ 265,882			$ 20	$ -	2009	1.05	$ 280,126	Y	
	SCE007	Culvert	St Crispan Avenue	SCE007_St Crispan Avenue_Saint Crispins Avenue (Parker Creek) L=6 W=18	INTERSECTION / STRUCTURES	6	Structures: Culverts	Identified in schedule(s)	$ 106,683	Douglas Shire South (TR1)	1	$ 106,683			$ 20	$ -	2009	1.05	$ 112,398	Y	
	SCE008	Culvert	Mason Creek Causeway	SCE008_Mason Creek Causeway_Cape Tribulation Road (Cape Tribulation Road) L= 56 W=7	INTERSECTION / STRUCTURES	56	Structures: Culverts	Identified in schedule(s)	$ 260,913	Douglas Shire North (TR2)	1.4	$ 365,278			$ 20	$ -	2009	1.05	$ 384,846		Y
	SCE009	Culvert	Myall Creek Culvert	SCE009_Myall Creek Culvert_Cape Tribulation Road (Cape Tribulation Road) L=42.5 W=7.9	INTERSECTION / STRUCTURES	42.5	Structures: Culverts	Identified in schedule(s)	$ 329,833	Douglas Shire North (TR2)	1.4	$ 461,766			$ 20	$ -	2009	1.05	$ 486,504		Y
	SCE010	Culvert	Coopers Creek Crossing	SCE010_Coopers Creek Crossing_Cooper Creek (Cape Tribulation Road) L=86.2 W=7.3	INTERSECTION / STRUCTURES	86.2	Structures: Culverts	Identified in schedule(s)	$ 372,170	Douglas Shire North (TR2)	1.4	$ 521,038			$ 20	$ -	2009	1.05	$ 548,951		Y
	SCE011	Culvert	Thompson Creek Culvert	SCE011_Thompson Creek Culvert_Cape Tribulation Road L=73.8 W=6.6	INTERSECTION / STRUCTURES	73.8	Structures: Culverts	Identified in schedule(s)	$ 479,489	Douglas Shire North (TR2)	1.4	$ 671,284			$ 20	$ -	2009	1.05	$ 707,246		Y
	SFLE001	Ferry Landings (Conc Platforms and Mooring Pil	Ferry Landing	SFLE001_Ferry Landings_Cape Tribulation Road (Allowance for 2 off)	INTERSECTION / STRUCTURES	0	Structures: Other		$ 521,826	Douglas Shire North (TR2)	1.4	$ 730,556			$ 20	$ -	2009	1.05	$ 769,693		Y
								$ -	$ -		1	$ -			$ 20	$ -		1.00	$ -		
ROAD ASSETS																					
154396	TRE001	Rural Major Collector	Junction Road	TRE001_Rural Major Collector_Junction Road	ROAD / PATH	128.38	Rural Major Collector	$ 1,006	$ 129,163	Douglas Shire South (TR1)	1	$ 129,163			$ 20	$ -	2009	1.05	$ 136,083	Y	
154396	TRE002	Rural Major Collector	Junction Road	TRE002_Rural Major Collector_Junction Road	ROAD / PATH	161.38	Rural Major Collector	$ 1,006	$ 162,364	Douglas Shire South (TR1)	1	$ 162,364			$ 20	$ -	2009	1.05	$ 171,063	Y	
137483	TRE003	Urban Minor Collector	Bow Street	TRE003_Urban Minor Collector_Bow Street	ROAD / PATH	87.09	Urban Minor Collector	$ 2,751	$ 239,574	Douglas Shire South (TR1)	1	$ 239,574			$ 20	$ -	2009	1.05	$ 252,408	Y	
165678	TRE004	Urban Minor Collector	Pringle Street	TRE004_Urban Minor Collector_Pringle Street	ROAD / PATH	224.32	Urban Minor Collector	$ 2,751	$ 617,077	Douglas Shire South (TR1)	1	$ 617,077			$ 20	$ -	2009	1.05	$ 650,135	Y	
165678	TRE005	Urban Minor Collector	Pringle Street	TRE005_Urban Minor Collector_Pringle Street	ROAD / PATH	160.17	Urban Minor Collector	$ 2,751	$ 440,608	Douglas Shire South (TR1)	1	$ 440,608			$ 20	$ -	2009	1.05	$ 464,212	Y	
141842	TRE006	Urban Minor Collector	Connolly Street	TRE006_Urban Minor Collector_Connolly Street	ROAD / PATH	131.58	Urban Minor Collector	$ 2,751	$ 361,961	Douglas Shire South (TR1)	1	$ 361,961			$ 20	$ -	2009	1.05	$ 381,352	Y	
136860	TRE007	Urban Minor Collector	Blain Street	TRE007_Urban Minor Collector_Blain Street	ROAD / PATH	132.29	Urban Minor Collector	$ 2,751	$ 363,914	Douglas Shire South (TR1)	1	$ 363,914			$ 20	$ -	2009	1.05	$ 383,409	Y	
166589	TRE010	Urban Major Collector	Reef Street	TRE010_Urban Major Collector_Reef Street	ROAD / PATH	57.69	Urban Major Collector	$ 3,054	$ 176,185	Douglas Shire South (TR1)	1	$ 176,185			$ 20	$ -	2009	1.05	$ 185,623	Y	
161764	TRE011	Urban Major Collector	Nautilus Street	TRE011_Urban Major Collector_Nautilus Street	ROAD / PATH	55.71	Urban Major Collector	$ 3,054	$ 170,138	Douglas Shire South (TR1)	1	$ 170,138			$ 20	$ -	2009	1.05	$ 179,252	Y	
166589	TRE012	Urban Major Collector	Reef Street	TRE012_Urban Major Collector_Reef Street	ROAD / PATH	79.55	Urban Major Collector	$ 3,054	$ 242,945	Douglas Shire South (TR1)	1	$ 242,945			$ 20	$ -	2009	1.05	$ 255,960	Y	
139493	TRE016	Rural Major Collector	Cape Tribulation Road	TRE016_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	2779	Rural Major Collector	$ 1,006	$ 2,795,952	Douglas Shire North (TR2)	1.4	$ 3,914,333			$ 20	$ -	2009	1.05	$ 4,124,029		Y
166589	TRE017	Urban Major Collector	Reef Street	TRE017_Urban Major Collector_Reef Street	ROAD / PATH	49.49	Urban Major Collector	$ 3,054	$ 151,142	Douglas Shire South (TR1)	1	$ 151,142			$ 20	$ -	2009	1.05	$ 159,239	Y	
179189	TRE018	Urban Minor Collector	Wonga Beach Road	TRE018_Urban Minor Collector_Wonga Beach Road	ROAD / PATH	60.54	Urban Minor Collector	$ 2,751	$ 166,538	Douglas Shire South (TR1)	1	$ 166,538			$ 20	$ -	2009	1.05	$ 175,460	Y	
161764	TRE019	Urban Major Collector	Nautilus Street	TRE019_Urban Major Collector_Nautilus Street	ROAD / PATH	121.89	Urban Major Collector	$ 3,054	$ 372,251	Douglas Shire South (TR1)	1	$ 372,251			$ 20	$ -	2009	1.05	$ 392,193	Y	
76918	TRE020	Rural Minor Collector	Buchanan Creek Road	TRE020_Rural Minor Collector_Buchanan Creek Road	ROAD / PATH	245.98	Rural Minor Collector	$ 724	$ 178,016	Douglas Shire North (TR2)	1.4	$ 249,222			$ 20	$ -	2009	1.05	$ 262,573		Y
76918	TRE021	Rural Minor Collector	Buchanan Creek Road	TRE021_Rural Minor Collector_Buchanan Creek Road	ROAD / PATH	878.44	Rural Minor Collector	$ 724	$ 635,727	Douglas Shire North (TR2)	1.4	$ 890,018			$ 20	$ -	2009	1.05	$ 937,697		Y
96163	TRE022	Rural Major Collector	Cooya Beach Road	TRE022_Rural Major Collector_Cooya Beach Road	ROAD / PATH	221.77	Rural Major Collector	$ 1,006	$ 223,123	Douglas Shire South (TR1)	1	$ 223,123			$ 20	$ -	2009	1.05	$ 235,076	Y	
158928	TRE023	Urban Minor Collector	Marlin Drive	TRE023_Urban Minor Collector_Marlin Drive	ROAD / PATH	49.47	Urban Minor Collector	$ 2,751	$ 136,086	Douglas Shire South (TR1)	1	$ 136,086			$ 20	$ -	2009	1.05	$ 143,376	Y	
162939	TRE024	Urban Minor Collector	Oleander Drive	TRE024_Urban Minor Collector_Oleander Drive	ROAD / PATH	139.71	Urban Minor Collector	$ 2,751	$ 384,325	Douglas Shire South (TR1)	1	$ 384,325			$ 20	$ -	2009	1.05	$ 404,914	Y	
137483	TRE025	Urban Minor Collector	Bow Street	TRE025_Urban Minor Collector_Bow Street	ROAD / PATH	146.4	Urban Minor Collector	$ 2,751	$ 402,729	Douglas Shire South (TR1)	1	$ 402,729			$ 20	$ -	2009	1.05	$ 424,304	Y	
139493	TRE026	Rural Major Collector	Cape Tribulation Road	TRE026_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	246.63	Rural Major Collector	$ 1,006	$ 248,134	Douglas Shire North (TR2)	1.4	$ 347,388			$ 20	$ -	2009	1.05	$ 365,998		Y
179189	TRE027	Urban Minor Collector	Wonga Beach Road	TRE027_Urban Minor Collector_Wonga Beach Road	ROAD / PATH	272.01	Urban Minor Collector	$ 2,751	$ 748,267	Douglas Shire South (TR1)	1	$ 748,267			$ 20	$ -	2009	1.05	$ 788,353	Y	
158928	TRE028	Urban Minor Collector	Marlin Drive	TRE028_Urban Minor Collector_Marlin Drive	ROAD / PATH	181.32	Urban Minor Collector	$ 2,751	$ 498,790	Douglas Shire South (TR1)	1	$ 498,790			$ 20	$ -	2009	1.05	$ 525,510	Y	
162939	TRE029	Urban Minor Collector	Oleander Drive	TRE029_Urban Minor Collector_Oleander Drive	ROAD / PATH	228.3	Urban Minor Collector	$ 2,751	$ 628,026	Douglas Shire South (TR1)	1	$ 628,026			$ 20	$ -	2009	1.05	$ 661,670	Y	
137367	TRE030	Urban Minor Collector	Bougainvillea Street	TRE030_Urban Minor Collector_Bougainvillea Street	ROAD / PATH	103.54	Urban Minor Collector	$ 2,751	$ 284,826	Douglas Shire South (TR1)	1	$ 284,826			$ 20	$ -	2009	1.05	$ 300,085	Y	
160024	TRE031	Rural Major Collector	Melaleuca Drive	TRE031_Rural Major Collector_Melaleuca Drive	ROAD / PATH	972.45	Rural Major Collector	$ 1,006	$ 978,382	Douglas Shire South (TR1)	1	$ 978,382			$ 20	$ -	2009	1.05	$ 1,030,795	Y	
137367	TRE032	Urban Minor Collector	Bougainvillea Street	TRE032_Urban Minor Collector_Bougainvillea Street	ROAD / PATH	127.55	Urban Minor Collector	$ 2,751	$ 350,875	Douglas Shire South (TR1)	1	$ 350,875			$ 20	$ -	2009	1.05	$ 369,672	Y	
96119	TRE033	Urban Minor Collector	Forest Glen Drive	TRE033_Urban Minor Collector_Forest Glen Drive	ROAD / PATH	144.61	Urban Minor Collector	$ 2,751	$ 397,805	Douglas Shire South (TR1)	1	$ 397,805			$ 20	$ -	2009	1.05	$ 419,116	Y	
159370	TRE034	Urban Minor Collector	Maxwell Street	TRE034_Urban Minor Collector_Maxwell Street	ROAD / PATH	111.54	Urban Minor Collector	$ 2,751	$ 306,833	Douglas Shire South (TR1)	1	$ 306,833			$ 20	$ -	2009	1.05	$ 323,271	Y	
139493	TRE035	Rural Major Collector	Cape Tribulation Road	TRE035_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	79.075	Rural Major Collector	$ 1,006	$ 79,557	Douglas Shire South (TR1)	1	$ 79,557			$ 20	$ -	2009	1.05	$ 83,819	Y	
137367	TRE036	Urban Minor Collector	Bougainvillea Street	TRE036_Urban Minor Collector_Bougainvillea Street	ROAD / PATH	375.72	Urban Minor Collector	$ 2,751	$ 1,033,561	Douglas Shire South (TR1)	1	$ 1,033,561			$ 20	$ -	2009	1.05	$ 1,088,930	Y	
139493	TRE037	Rural Major Collector	Cape Tribulation Road	TRE037_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	539.19	Rural Major Collector	$ 1,006	$ 542,479	Douglas Shire North (TR2)	1.4	$ 759,471			$ 20	$ -	2009	1.05	$ 800,157		Y
96163	TRE038	Urban Major Collector	Cooya Beach Road	TRE038_Urban Major Collector_Cooya Beach Road	ROAD / PATH	825.12	Urban Major Collector	$ 3,054	$ 2,519,908	Douglas Shire South (TR1)	1	$ 2,519,908			$ 20	$ -	2009	1.05	$ 2,654,903	Y	
175825	TRE039	Rural Major Collector	Wharf Street	TRE039_Rural Major Collector_Wharf Street	ROAD / PATH	588.81	Rural Major Collector	$ 1,006	$ 592,402	Douglas Shire South (TR1)	1	$ 592,402			$ 20	$ -	2009	1.05	$ 624,138	Y	
143639	TRE040	Urban Minor Collector	Davidson Street	TRE040_Urban Minor Collector_Davidson Street	ROAD / PATH	286.87	Urban Minor Collector	$ 2,751	$ 789,145	Douglas Shire South (TR1)	1	$ 789,145			$ 20	$ -	2009	1.05	$ 831,421	Y	
139493	TRE041	Rural Major Collector	Cape Tribulation Road	TRE041_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	335.43	Rural Major Collector	$ 1,006	$ 337,476	Douglas Shire North (TR2)	1.4	$ 472,467			$ 20	$ -	2009	1.05	$ 497,777		Y
73620	TRE042	Urban Minor Collector	Ulysses Avenue	TRE042_Urban Minor Collector_Ulysses Avenue	ROAD / PATH	73.88	Urban Minor Collector	$ 2,751	$ 203,235	Douglas Shire South (TR1)	1	$ 203,235			$ 20	$ -	2009	1.05	$ 214,123	Y	
73612	TRE043	Urban Minor Collector	Old Port Road	TRE043_Urban Minor Collector_Old Port Road	ROAD / PATH	662.12	Urban Minor Collector	$ 2,751	$ 1,821,413	Douglas Shire South (TR1)	1	$ 1,821,413			$ 20	$ -	2009	1.05	$ 1,918,988	Y	
139493	TRE044	Rural Major Collector	Cape Tribulation Road	TRE044_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	980.27	Rural Major Collector	$ 1,006	$ 986,250	Douglas Shire North (TR2)	1.4	$ 1,380,750			$ 20	$ -	2009	1.05	$ 1,454,718		Y
73620	TRE045	Urban Minor Collector	Ulysses Avenue	TRE045_Urban Minor Collector_Ulysses Avenue	ROAD / PATH	90.425	Urban Minor Collector	$ 2,751	$ 248,748	Douglas Shire South (TR1)	1	$ 248,748			$ 20	$ -	2009	1.05	$ 262,074	Y	
139493	TRE046	Rural Major Collector	Cape Tribulation Road	TRE046_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	440.87	Rural Major Collector	$ 1,006	$ 443,559	Douglas Shire North (TR2)	1.4	$ 620,983			$ 20	$ -	2009	1.05	$ 654,250		Y
139493	TRE047	Rural Major Collector	Cape Tribulation Road	TRE047_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	4210	Rural Major Collector	$ 1,006	$ 4,235,681	Douglas Shire North (TR2)	1.4	$ 5,929,953			$ 20	$ -	2009	1.05	$ 6,247,629		Y
139493	TRE048	Rural Major Collector	Cape Tribulation Road	TRE048_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	1464	Rural Major Collector	$ 1,006	$ 1,472,930	Douglas Shire North (TR2)	1.4	$ 2,062,103			$ 20	$ -	2009	1.05	$ 2,172,572		Y
76918	TRE049	Rural Minor Collector	Buchanan Creek Road	TRE049_Rural Minor Collector_Buchanan Creek Road	ROAD / PATH	841.29	Rural Minor Collector	$ 724	$ 608,842	Douglas Shire North (TR2)	1.4	$ 852,378			$ 20	$ -	2009	1.05	$ 898,041		Y
137157	TRE050	Rural Major Collector	Bonnie Doon Road	TRE050_Rural Major Collector_Bonnie Doon Road	ROAD / PATH	880.29	Rural Major Collector	$ 1,006	$ 885,660	Douglas Shire South (TR1)	1	$ 885,660			$ 20	$ -	2009	1.05	$ 933,106	Y	
137157	TRE051	Rural Major Collector	Bonnie Doon Road	TRE051_Rural Major Collector_Bonnie Doon Road	ROAD / PATH	886.59	Rural Major Collector	$ 1,006	$ 891,998	Douglas Shire South (TR1)	1	$ 891,998			$ 20	$ -	2009	1.05	$ 939,784	Y	
139493	TRE052	Rural Major Collector	Cape Tribulation Road	TRE052_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	727.14	Rural Major Collector	$ 1,006	$ 731,576	Douglas Shire North (TR2)	1.4	$ 1,024,206			$ 20	$ -	2009	1.05	$ 1,079,074		Y
139493	TRE053	Rural Major Collector	Cape Tribulation Road	TRE053_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	1300	Rural Major Collector	$ 1,006	$ 1,307,930	Douglas Shire North (TR2)	1.4	$ 1,831,102			$ 20	$ -	2009	1.05	$ 1,929,197		Y
139493	TRE054	Rural Major Collector	Cape Tribulation Road	TRE054_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	4312	Rural Major Collector	$ 1,006	$ 4,338,303	Douglas Shire North (TR2)	1.4	$ 6,073,624			$ 20	$ -	2009	1.05	$ 6,398,997		Y
139493	TRE056	Rural Major Collector	Cape Tribulation Road	TRE056_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	347.17	Rural Major Collector	$ 1,006	$ 349,288	Douglas Shire North (TR2)	1.4	$ 489,003			$ 20	$ -	2009	1.05	$ 515,199		Y
154396	TRE057	Rural Major Collector	Junction Road	TRE057_Rural Major Collector_Junction Road	ROAD / PATH	772.05	Rural Major Collector	$ 1,006	$ 776,760	Douglas Shire South (TR1)	1	$ 776,760			$ 20	$ -	2009	1.05	$ 818,372	Y	
76918	TRE058	Rural Minor Collector	Buchanan Creek Road	TRE058_Rural Minor Collector_Buchanan Creek Road	ROAD / PATH	391.94	Rural Minor Collector	$ 724	$ 283,647	Douglas Shire North (TR2)	1.4	$ 397,106			$ 20	$ -	2009	1.05	$ 418,379		Y
76918	TRE059	Rural Minor Collector	Buchanan Creek Road	TRE059_Rural Minor Collector_Buchanan Creek Road	ROAD / PATH	163.33	Rural Minor Collector	$ 724	$ 118,202	Douglas Shire North (TR2)	1.4	$ 165,483			$ 20	$ -	2009	1.05	$ 174,348		Y
165678	TRE060	Urban Minor Collector	Pringle Street	TRE060_Urban Minor Collector_Pringle Street	ROAD / PATH	213.29	Urban Minor Collector	$ 2,751	$ 586,735	Douglas Shire South (TR1)	1	$ 586,735			$ 20	$ -	2009	1.05	$ 618,167	Y	
96121	TRE061	Urban Major Collector	Mossman Gorge Road	TRE061_Urban Major Collector_Mossman Gorge Road	ROAD / PATH	543.97	Urban Major Collector	$ 3,054	$ 1,661,279	Douglas Shire South (TR1)	1	$ 1,661,279			$ 20	$ -	2009	1.05	$ 1,750,276	Y	
137157	TRE062	Rural Major Collector	Bonnie Doon Road	TRE062_Rural Major Collector_Bonnie Doon Road	ROAD / PATH	466.24	Rural Major Collector	$ 1,006	$ 469,084	Douglas Shire South (TR1)	1	$ 469,084			$ 20	$ -	2009	1.05	$ 494,214	Y	
96176	TRE063	Rural Minor Collector	Newell Road	TRE063_Rural Minor Collector_Newell Road	ROAD / PATH	1436	Rural Minor Collector	$ 724	$ 1,039,233	Douglas Shire South (TR1)	1	$ 1,039,233			$ 20	$ -	2009	1.05	$ 1,094,906	Y	
139493	TRE064	Rural Major Collector	Cape Tribulation Road	TRE064_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	480.26	Rural Major Collector	$ 1,006	$ 483,190	Douglas Shire North (TR2)	1.4	$ 676,465			$ 20	$ -	2009	1.05	$ 712,705		Y
139493	TRE065	Rural Major Collector	Cape Tribulation Road	TRE065_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	494.72	Rural Major Collector	$ 1,006	$ 497,738	Douglas Shire North (TR2)	1.4	$ 696,833			$ 20	$ -	2009	1.05	$ 734,163		Y
73612	TRE066	Urban Minor Collector	Old Port Road	TRE066_Urban Minor Collector_Old Port Road	ROAD / PATH	558.67	Urban Minor Collector	$ 2,751	$ 1,536,834	Douglas Shire South (TR1)	1	$ 1,536,834			$ 20	$ -	2009	1.05	$ 1,619,165	Y	
175825	TRE067	Rural Major Collector	Wharf Street	TRE067_Rural Major Collector_Wharf Street	ROAD / PATH	523.63	Rural Major Collector	$ 1,006	$ 526,824	Douglas Shire South (TR1)	1	$ 526,824			$ 20	$ -	2009	1.05	$ 555,047	Y	
96163	TRE068	Rural Major Collector	Cooya Beach Road	TRE068_Rural Major Collector_Cooya Beach Road	ROAD / PATH	395.35	Rural Major Collector	$ 1,006	$ 397,762	Douglas Shire South (TR1)	1	$ 397,762			$ 20	$ -	2009	1.05	$ 419,070	Y	
137157	TRE069	Rural Major Collector	Bonnie Doon Road	TRE069_Rural Major Collector_Bonnie Doon Road	ROAD / PATH	661	Rural Major Collector	$ 1,006	$ 665,032	Douglas Shire South (TR1)	1	$ 665,032			$ 20	$ -	2009	1.05	$ 700,659	Y	
163339	TRE070	Urban Minor Collector	Owen Street	TRE070_Urban Minor Collector_Owen Street	ROAD / PATH	212.11	Urban Minor Collector	$ 2,751	$ 583,489	Douglas Shire South (TR1)	1	$ 583,489			$ 20	$ -	2009	1.05	$ 614,748	Y	
163339	TRE071	Urban Minor Collector	Owen Street	TRE071_Urban Minor Collector_Owen Street	ROAD / PATH	143.71	Urban Minor Collector	$ 2,751	$ 395,329	Douglas Shire South (TR1)	1	$ 395,329			$ 20	$ -	2009	1.05	$ 416,507	Y	
76918	TRE072	Rural Minor Collector	Buchanan Creek Road	TRE072_Rural Minor Collector_Buchanan Creek Road	ROAD / PATH	211.44	Rural Minor Collector	$ 724	$ 153,019	Douglas Shire North (TR2)	1.4	$ 214,227			$ 20	$ -	2009	1.05	$ 225,703		Y
133121	TRE073	Urban Minor Collector	Agincourt Street	TRE073_Urban Minor Collector_Agincourt Street	ROAD / PATH	83.21	Urban Minor Collector	$ 2,751	$ 228,901	Douglas Shire South (TR1)	1	$ 228,901			$ 20	$ -	2009	1.05	$ 241,163	Y	
133121	TRE074	Urban Minor Collector	Agincourt Street	TRE074_Urban Minor Collector_Agincourt Street	ROAD / PATH	58.85	Urban Minor Collector	$ 2,751	$ 161,889	Douglas Shire South (TR1)	1	$ 161,889			$ 20	$ -	2009	1.05	$ 170,562	Y	
161764	TRE075	Urban Major Collector	Nautilus Street	TRE075_Urban Major Collector_Nautilus Street	ROAD / PATH	198.62	Urban Major Collector	$ 3,054	$ 606,583	Douglas Shire South (TR1)	1	$ 606,583			$ 20	$ -	2009	1.05	$ 639,079	Y	

Douglas Shire Council
Transport

Return to "Existing Trunk Assets"

EXISTING TRUNK ASSETS

Land Valuation Type	Location

Asset ID	LGIP ID	Asset Class	Asset Name	Description	Unit Rate Type (*)	Length/unit (*)	Hiercahy/name	Unit Rate	Baseline Valuation	Site/Condition	Multiplier	Gross Value	Land Location/Type	Size of land (ha) (*)	Unit Cost	Land Value	Valuation Year	Escalation	Current Replacemen	Douglas Shire South (TR1)	Douglas Shire North (TR2)
Asset Data: Basic Asset Data					Asset Attributes			Basic Asset Valuation					Land Attributes				Refined Asset Value			Catchment Asset Allocation	
Councils ID (from GIS, FAR, AMA etc.)	ID from the LGIP drawings	Arterial, Subarterial, Collector							May be calculated from unit rates OR unique values can be direct entered										CRC	131,539	3,261
139493	TRE076	Rural Major Collector	Cape Tribulation Road	TRE076_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	2067	Rural Major Collector	$ 1,006	$ 2,079,609	Douglas Shire North (TR2)	1.4	$ 2,911,452			$ 20	$ -	2009	1.05	$ 3,067,423		Y
139493	TRE077	Rural Major Collector	Cape Tribulation Road	TRE077_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	333.43	Rural Major Collector	$ 1,006	$ 335,464	Douglas Shire North (TR2)	1.4	$ 469,649			$ 20	$ -	2009	1.05	$ 494,809		Y
158928	TRE078	Urban Minor Collector	Marlin Drive	TRE078_Urban Minor Collector_Marlin Drive	ROAD / PATH	75.217	Urban Minor Collector	$ 2,751	$ 206,913	Douglas Shire South (TR1)	1	$ 206,913			$ 20	$ -	2009	1.05	$ 217,998	Y	
166589	TRE079	Urban Major Collector	Reef Street	TRE079_Urban Major Collector_Reef Street	ROAD / PATH	30.24	Urban Major Collector	$ 3,054	$ 92,353	Douglas Shire South (TR1)	1	$ 92,353			$ 20	$ -	2009	1.05	$ 97,300	Y	
139493	TRE080	Rural Major Collector	Cape Tribulation Road	TRE080_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	350.87	Rural Major Collector	$ 1,006	$ 353,010	Douglas Shire North (TR2)	1.4	$ 494,214			$ 20	$ -	2009	1.05	$ 520,690		Y
76918	TRE081	Rural Minor Collector	Buchanan Creek Road	TRE081_Rural Minor Collector_Buchanan Creek Road	ROAD / PATH	133.58	Rural Minor Collector	$ 724	$ 96,672	Douglas Shire North (TR2)	1.4	$ 135,341			$ 20	$ -	2009	1.05	$ 142,591		Y
161279	TRE082	Urban Minor Collector	Mudlo Street	TRE082_Urban Minor Collector_Mudlo Street	ROAD / PATH	232.58	Urban Minor Collector	$ 2,751	$ 639,800	Douglas Shire South (TR1)	1	$ 639,800			$ 20	$ -	2009	1.05	$ 674,075	Y	
96163	TRE083	Urban Minor Collector	Cooya Beach Road	TRE083_Urban Minor Collector_Cooya Beach Road	ROAD / PATH	160.64	Urban Minor Collector	$ 2,751	$ 441,901	Douglas Shire South (TR1)	1	$ 441,901			$ 20	$ -	2009	1.05	$ 465,575	Y	
163616	TRE084	Urban Minor Collector	Palm Street	TRE084_Urban Minor Collector_Palm Street	ROAD / PATH	76.004	Urban Minor Collector	$ 2,751	$ 209,078	Douglas Shire South (TR1)	1	$ 209,078			$ 20	$ -	2009	1.05	$ 220,278	Y	
163616	TRE085	Urban Minor Collector	Palm Street	TRE085_Urban Minor Collector_Palm Street	ROAD / PATH	52.163	Urban Minor Collector	$ 2,751	$ 143,494	Douglas Shire South (TR1)	1	$ 143,494			$ 20	$ -	2009	1.05	$ 151,181	Y	
139493	TRE086	Rural Major Collector	Cape Tribulation Road	TRE086_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	414	Rural Major Collector	$ 1,006	$ 416,525	Douglas Shire South (TR1)	1	$ 416,525			$ 20	$ -	2009	1.05	$ 438,839	Y	
96163	TRE088	Rural Major Collector	Cooya Beach Road	TRE088_Rural Major Collector_Cooya Beach Road	ROAD / PATH	195.17	Rural Major Collector	$ 1,006	$ 196,361	Douglas Shire South (TR1)	1	$ 196,361			$ 20	$ -	2009	1.05	$ 206,880	Y	
163616	TRE089	Urban Minor Collector	Palm Street	TRE089_Urban Minor Collector_Palm Street	ROAD / PATH	59.36	Urban Minor Collector	$ 2,751	$ 163,292	Douglas Shire South (TR1)	1	$ 163,292			$ 20	$ -	2009	1.05	$ 172,040	Y	
133121	TRE090	Urban Minor Collector	Agincourt Street	TRE090_Urban Minor Collector_Agincourt Street	ROAD / PATH	75.82	Urban Minor Collector	$ 2,751	$ 208,572	Douglas Shire South (TR1)	1	$ 208,572			$ 20	$ -	2009	1.05	$ 219,745	Y	
76918	TRE093	Rural Minor Collector	Buchanan Creek Road	TRE093_Rural Minor Collector_Buchanan Creek Road	ROAD / PATH	445.98	Rural Minor Collector	$ 724	$ 322,756	Douglas Shire North (TR2)	1.4	$ 451,858			$ 20	$ -	2009	1.05	$ 476,065		Y
139493	TRE094	Rural Major Collector	Cape Tribulation Road	TRE094_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	229.82	Rural Major Collector	$ 1,006	$ 231,222	Douglas Shire North (TR2)	1.4	$ 323,711			$ 20	$ -	2009	1.05	$ 341,052		Y
139493	TRE095	Rural Major Collector	Cape Tribulation Road	TRE095_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	2486	Rural Major Collector	$ 1,006	$ 2,501,165	Douglas Shire North (TR2)	1.4	$ 3,501,630			$ 20	$ -	2009	1.05	$ 3,689,218		Y
158928	TRE096	Urban Minor Collector	Marlin Drive	TRE096_Urban Minor Collector_Marlin Drive	ROAD / PATH	304.78	Urban Minor Collector	$ 2,751	$ 838,413	Douglas Shire South (TR1)	1	$ 838,413			$ 20	$ -	2009	1.05	$ 883,328	Y	
139493	TRE097	Rural Major Collector	Cape Tribulation Road	TRE097_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	191.07	Rural Major Collector	$ 1,006	$ 192,236	Douglas Shire North (TR2)	1.4	$ 269,130			$ 20	$ -	2009	1.05	$ 283,547		Y
73620	TRE098	Urban Minor Collector	Ulysses Avenue	TRE098_Urban Minor Collector_Ulysses Avenue	ROAD / PATH	321.57	Urban Minor Collector	$ 2,751	$ 884,600	Douglas Shire South (TR1)	1	$ 884,600			$ 20	$ -	2009	1.05	$ 931,990	Y	
175825	TRE100	Urban Minor Collector	Wharf Street	TRE100_Urban Minor Collector_Wharf Street	ROAD / PATH	123.89	Urban Minor Collector	$ 2,751	$ 340,807	Douglas Shire South (TR1)	1	$ 340,807			$ 20	$ -	2009	1.05	$ 359,064	Y	
161279	TRE101	Urban Minor Collector	Mudlo Street	TRE101_Urban Minor Collector_Mudlo Street	ROAD / PATH	410.26	Urban Minor Collector	$ 2,751	$ 1,128,576	Douglas Shire South (TR1)	1	$ 1,128,576			$ 20	$ -	2009	1.05	$ 1,189,035	Y	
73647	TRE102	Urban Minor Collector	Saint Crispins Avenue	TRE102_Urban Minor Collector_Saint Crispins Avenue	ROAD / PATH	85.93	Urban Minor Collector	$ 2,751	$ 236,383	Douglas Shire South (TR1)	1	$ 236,383			$ 20	$ -	2009	1.05	$ 249,046	Y	
73647	TRE103	Urban Minor Collector	Saint Crispins Avenue	TRE103_Urban Minor Collector_Saint Crispins Avenue	ROAD / PATH	659.1	Urban Minor Collector	$ 2,751	$ 1,813,105	Douglas Shire South (TR1)	1	$ 1,813,105			$ 20	$ -	2009	1.05	$ 1,910,236	Y	
96163	TRE104	Rural Major Collector	Cooya Beach Road	TRE104_Rural Major Collector_Cooya Beach Road	ROAD / PATH	920.59	Rural Major Collector	$ 1,006	$ 926,206	Douglas Shire South (TR1)	1	$ 926,206			$ 20	$ -	2009	1.05	$ 975,824	Y	
158928	TRE105	Urban Minor Collector	Marlin Drive	TRE105_Urban Minor Collector_Marlin Drive	ROAD / PATH	85.667	Urban Minor Collector	$ 2,751	$ 235,660	Douglas Shire South (TR1)	1	$ 235,660			$ 20	$ -	2009	1.05	$ 248,284	Y	
139493	TRE106	Rural Major Collector	Cape Tribulation Road	TRE106_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	1253	Rural Major Collector	$ 1,006	$ 1,260,643	Douglas Shire North (TR2)	1.4	$ 1,764,901			$ 20	$ -	2009	1.05	$ 1,859,449		Y
162939	TRE107	Urban Minor Collector	Oleander Drive	TRE107_Urban Minor Collector_Oleander Drive	ROAD / PATH	148.47	Urban Minor Collector	$ 2,751	$ 408,423	Douglas Shire South (TR1)	1	$ 408,423			$ 20	$ -	2009	1.05	$ 430,303	Y	
158928	TRE108	Urban Minor Collector	Marlin Drive	TRE108_Urban Minor Collector_Marlin Drive	ROAD / PATH	96.161	Urban Minor Collector	$ 2,751	$ 264,527	Douglas Shire South (TR1)	1	$ 264,527			$ 20	$ -	2009	1.05	$ 278,698	Y	
96176	TRE109	Rural Minor Collector	Newell Road	TRE109_Rural Minor Collector_Newell Road	ROAD / PATH	591.67	Rural Minor Collector	$ 724	$ 428,192	Douglas Shire South (TR1)	1	$ 428,192			$ 20	$ -	2009	1.05	$ 451,130	Y	
139493	TRE110	Rural Major Collector	Cape Tribulation Road	TRE110_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	2054	Rural Major Collector	$ 1,006	$ 2,066,529	Douglas Shire South (TR1)	1	$ 2,066,529			$ 20	$ -	2009	1.05	$ 2,177,236	Y	
139493	TRE111	Rural Major Collector	Cape Tribulation Road	TRE111_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	463.46	Rural Major Collector	$ 1,006	$ 466,287	Douglas Shire North (TR2)	1.4	$ 652,802			$ 20	$ -	2009	1.05	$ 687,773		Y
73647	TRE112	Urban Minor Collector	Saint Crispins Avenue	TRE112_Urban Minor Collector_Saint Crispins Avenue	ROAD / PATH	210.53	Urban Minor Collector	$ 2,751	$ 579,143	Douglas Shire South (TR1)	1	$ 579,143			$ 20	$ -	2009	1.05	$ 610,168	Y	
165389	TRE113	Urban Major Collector	Port Street	TRE113_Urban Major Collector_Port Street	ROAD / PATH	21.02	Urban Major Collector	$ 3,054	$ 64,195	Douglas Shire South (TR1)	1	$ 64,195			$ 20	$ -	2009	1.05	$ 67,634	Y	
139493	TRE114	Rural Major Collector	Cape Tribulation Road	TRE114_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	6207	Rural Major Collector	$ 1,006	$ 6,244,863	Douglas Shire North (TR2)	1.4	$ 8,742,808			$ 20	$ -	2009	1.05	$ 9,211,172		Y
139493	TRE115	Rural Major Collector	Cape Tribulation Road	TRE115_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	2388	Rural Major Collector	$ 1,006	$ 2,402,567	Douglas Shire North (TR2)	1.4	$ 3,363,594			$ 20	$ -	2009	1.05	$ 3,543,786		Y
73647	TRE116	Urban Minor Collector	Saint Crispins Avenue	TRE116_Urban Minor Collector_Saint Crispins Avenue	ROAD / PATH	113.51	Urban Minor Collector	$ 2,751	$ 312,252	Douglas Shire South (TR1)	1	$ 312,252			$ 20	$ -	2009	1.05	$ 328,980	Y	
139493	TRE117	Rural Major Collector	Cape Tribulation Road	TRE117_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	206.97	Rural Major Collector	$ 1,006	$ 208,233	Douglas Shire North (TR2)	1.4	$ 291,526			$ 20	$ -	2009	1.05	$ 307,143		Y
165389	TRE118	Urban Major Collector	Port Street	TRE118_Urban Major Collector_Port Street	ROAD / PATH	123.6	Urban Major Collector	$ 3,054	$ 377,473	Douglas Shire South (TR1)	1	$ 377,473			$ 20	$ -	2009	1.05	$ 397,695	Y	
161279	TRE119	Urban Minor Collector	Mudlo Street	TRE119_Urban Minor Collector_Mudlo Street	ROAD / PATH	231.23	Urban Minor Collector	$ 2,751	$ 636,086	Douglas Shire South (TR1)	1	$ 636,086			$ 20	$ -	2009	1.05	$ 670,162	Y	
179189	TRE120	Urban Minor Collector	Wonga Beach Road	TRE120_Urban Minor Collector_Wonga Beach Road	ROAD / PATH	61.6	Urban Minor Collector	$ 2,751	$ 169,454	Douglas Shire South (TR1)	1	$ 169,454			$ 20	$ -	2009	1.05	$ 178,532	Y	
179189	TRE121	Urban Minor Collector	Wonga Beach Road	TRE121_Urban Minor Collector_Wonga Beach Road	ROAD / PATH	129.16	Urban Minor Collector	$ 2,751	$ 355,304	Douglas Shire South (TR1)	1	$ 355,304			$ 20	$ -	2009	1.05	$ 374,338	Y	
139493	TRE122	Rural Major Collector	Cape Tribulation Road	TRE122_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	688.94	Rural Major Collector	$ 1,006	$ 693,143	Douglas Shire South (TR1)	1	$ 693,143			$ 20	$ -	2009	1.05	$ 730,275	Y	
139493	TRE123	Rural Major Collector	Cape Tribulation Road	TRE123_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	83.641	Rural Major Collector	$ 1,006	$ 84,151	Douglas Shire North (TR2)	1.4	$ 117,812			$ 20	$ -	2009	1.05	$ 124,123		Y
165389	TRE124	Urban Major Collector	Port Street	TRE124_Urban Major Collector_Port Street	ROAD / PATH	61.18	Urban Major Collector	$ 3,054	$ 186,843	Douglas Shire South (TR1)	1	$ 186,843			$ 20	$ -	2009	1.05	$ 196,853	Y	
96164	TRE125	Urban Minor Collector	Berzinski Street	TRE125_Urban Minor Collector_Berzinski Street	ROAD / PATH	138.21	Urban Minor Collector	$ 2,751	$ 380,199	Douglas Shire South (TR1)	1	$ 380,199			$ 20	$ -	2009	1.05	$ 400,567	Y	
139493	TRE126	Rural Major Collector	Cape Tribulation Road	TRE126_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	538.77	Rural Major Collector	$ 1,006	$ 542,056	Douglas Shire South (TR1)	1	$ 542,056			$ 20	$ -	2009	1.05	$ 571,095	Y	
76918	TRE127	Rural Minor Collector	Buchanan Creek Road	TRE127_Rural Minor Collector_Buchanan Creek Road	ROAD / PATH	205.84	Rural Minor Collector	$ 724	$ 148,966	Douglas Shire North (TR2)	1.4	$ 208,553			$ 20	$ -	2009	1.05	$ 219,725		Y
76918	TRE128	Rural Minor Collector	Buchanan Creek Road	TRE128_Rural Minor Collector_Buchanan Creek Road	ROAD / PATH	170.56	Rural Minor Collector	$ 724	$ 123,434	Douglas Shire North (TR2)	1.4	$ 172,808			$ 20	$ -	2009	1.05	$ 182,066		Y
76918	TRE129	Rural Minor Collector	Buchanan Creek Road	TRE129_Rural Minor Collector_Buchanan Creek Road	ROAD / PATH	343.61	Rural Minor Collector	$ 724	$ 248,671	Douglas Shire North (TR2)	1.4	$ 348,139			$ 20	$ -	2009	1.05	$ 366,789		Y
73647	TRE130	Urban Minor Collector	Saint Crispins Avenue	TRE130_Urban Minor Collector_Saint Crispins Avenue	ROAD / PATH	117.39	Urban Minor Collector	$ 2,751	$ 322,926	Douglas Shire South (TR1)	1	$ 322,926			$ 20	$ -	2009	1.05	$ 340,225	Y	
76918	TRE131	Rural Minor Collector	Buchanan Creek Road	TRE131_Rural Minor Collector_Buchanan Creek Road	ROAD / PATH	158.42	Rural Minor Collector	$ 724	$ 114,649	Douglas Shire North (TR2)	1.4	$ 160,508			$ 20	$ -	2009	1.05	$ 169,107		Y
135564	TRE132	Urban Major Collector	Barrier Street	TRE132_Urban Major Collector_Barrier Street	ROAD / PATH	193.13	Urban Major Collector	$ 3,054	$ 589,817	Douglas Shire South (TR1)	1	$ 589,817			$ 20	$ -	2009	1.05	$ 621,414	Y	
166589	TRE134	Urban Major Collector	Reef Street	TRE134_Urban Major Collector_Reef Street	ROAD / PATH	30.56	Urban Major Collector	$ 3,054	$ 93,330	Douglas Shire South (TR1)	1	$ 93,330			$ 20	$ -	2009	1.05	$ 98,330	Y	
161764	TRE135	Urban Major Collector	Nautilus Street	TRE135_Urban Major Collector_Nautilus Street	ROAD / PATH	102.36	Urban Major Collector	$ 3,054	$ 312,606	Douglas Shire South (TR1)	1	$ 312,606			$ 20	$ -	2009	1.05	$ 329,353	Y	
135564	TRE136	Urban Major Collector	Barrier Street	TRE136_Urban Major Collector_Barrier Street	ROAD / PATH	55.42	Urban Major Collector	$ 3,054	$ 169,252	Douglas Shire South (TR1)	1	$ 169,252			$ 20	$ -	2009	1.05	$ 178,319	Y	
135564	TRE137	Urban Major Collector	Barrier Street	TRE137_Urban Major Collector_Barrier Street	ROAD / PATH	225.24	Urban Major Collector	$ 3,054	$ 687,881	Douglas Shire South (TR1)	1	$ 687,881			$ 20	$ -	2009	1.05	$ 724,731	Y	
166589	TRE138	Urban Major Collector	Reef Street	TRE138_Urban Major Collector_Reef Street	ROAD / PATH	52.71	Urban Major Collector	$ 3,054	$ 160,976	Douglas Shire South (TR1)	1	$ 160,976			$ 20	$ -	2009	1.05	$ 169,600	Y	
139493	TRE139	Rural Major Collector	Cape Tribulation Road	TRE139_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	465.33	Rural Major Collector	$ 1,006	$ 468,169	Douglas Shire North (TR2)	1.4	$ 655,436			$ 20	$ -	2009	1.05	$ 690,549		Y
76918	TRE140	Rural Minor Collector	Buchanan Creek Road	TRE140_Rural Minor Collector_Buchanan Creek Road	ROAD / PATH	974.92	Rural Minor Collector	$ 724	$ 705,550	Douglas Shire North (TR2)	1.4	$ 987,769			$ 20	$ -	2009	1.05	$ 1,040,686		Y
137157	TRE141	Rural Major Collector	Bonnie Doon Road	TRE141_Rural Major Collector_Bonnie Doon Road	ROAD / PATH	571.68	Rural Major Collector	$ 1,006	$ 575,167	Douglas Shire South (TR1)	1	$ 575,167			$ 20	$ -	2009	1.05	$ 605,980	Y	
139493	TRE142	Rural Major Collector	Cape Tribulation Road	TRE142_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	150.79	Rural Major Collector	$ 1,006	$ 151,710	Douglas Shire North (TR2)	1.4	$ 212,394			$ 20	$ -	2009	1.05	$ 223,772		Y
139493	TRE143	Rural Major Collector	Cape Tribulation Road	TRE143_Rural Major Collector_Cape Tribulation Road	ROAD / PATH	683.49	Rural Major Collector	$ 1,006	$ 687,659	Douglas Shire North (TR2)	1.4	$ 962,723			$ 20	$ -	2009	1.05	$ 1,014,297		Y
175825	TRE144	Urban Minor Collector	Wharf Street	TRE144_Urban Minor Collector_Wharf Street	ROAD / PATH	133.82	Urban Minor Collector	$ 2,751	$ 368,123	Douglas Shire South (TR1)	1	$ 368,123			$ 20	$ -	2009	1.05	$ 387,844	Y	
175825	TRE145	Urban Minor Collector	Wharf Street	TRE145_Urban Minor Collector_Wharf Street	ROAD / PATH	12.916	Urban Minor Collector	$ 2,751	$ 35,530	Douglas Shire South (TR1)	1	$ 35,530			$ 20	$ -	2009	1.05	$ 37,434	Y	
175825	TRE146	Urban Minor Collector	Wharf Street	TRE146_Urban Minor Collector_Wharf Street	ROAD / PATH	126.69	Urban Minor Collector	$ 2,751	$ 348,509	Douglas Shire South (TR1)	1	$ 348,509			$ 20	$ -	2009	1.05	$ 367,179	Y	
175825	TRE147	Urban Minor Collector	Wharf Street	TRE147_Urban Minor Collector_Wharf Street	ROAD / PATH	75.2	Urban Minor Collector	$ 2,751	$ 206,866	Douglas Shire South (TR1)	1	$ 206,866			$ 20	$ -	2009	1.05	$ 217,948	Y	
152820	TRE149	Urban Major Collector	Nautilus Street	TRE149_Urban Major Collector_Nautilus Street	ROAD / PATH	315.49	Urban Major Collector	$ 3,054	$ 963,503	Douglas Shire South (TR1)	1	$ 963,503			$ 20	$ -	2009	1.05	$ 1,015,120	Y	
96163	TRE150	Rural Major Collector	Cooya Beach Road	TRE150_Rural Major Collector_Cooya Beach Road	ROAD / PATH	458.52	Rural Major Collector	$ 1,006	$ 461,317	Douglas Shire South (TR1)	1	$ 461,317			$ 20	$ -	2009	1.05	$ 486,030	Y	
133121	TRE151	Urban Minor Collector	Agincourt Street	TRE151_Urban Minor Collector_Agincourt Street	ROAD / PATH	147.28	Urban Minor Collector	$ 2,751	$ 405,150	Douglas Shire South (TR1)	1	$ 405,150			$ 20	$ -	2009	1.05	$ 426,854	Y	
175825	TRE154	Urban Minor Collector	Wharf Street	TRE154_Urban Minor Collector_Wharf Street	ROAD / PATH	65.6	Urban Minor Collector	$ 2,751	$ 180,458	Douglas Shire South (TR1)	1	$ 180,458			$ 20	$ -	2009	1.05	$ 190,125	Y	
	TRE171	Rural Minor Collector	Vixies Road	TRE171_Rural Minor Collector_Vixies Road	ROAD / PATH	856.38	Rural Minor Collector	$ 724	$ 619,762	Douglas Shire South (TR1)	1	$ 619,762			$ 20	$ -	2009	1.05	$ 652,964	Y	
96119	TRE172	Urban Minor Collector	Daintree Horizon Drive	TRE172_Urban Minor Collector_Daintree Horizon Drive	ROAD / PATH	303.77	Urban Minor Collector	$ 2,751	$ 835,635	Douglas Shire South (TR1)	1	$ 835,635			$ 20	$ -	2009	1.05	$ 880,401	Y	
	TRE173	Urban Minor Collector	Esplanade	TRE173_Urban Minor Collector_Esplanade	ROAD / PATH	621.86	Urban Minor Collector	$ 2,751	$ 1,710,662	Douglas Shire South (TR1)	1	$ 1,710,662			$ 20	$ -	2009	1.05	$ 1,802,305	Y	
	TRE174	Urban Minor Collector	Snapper Island Drive	TRE174_Urban Minor Collector_Snapper Island Drive	ROAD / PATH	684.17	Urban Minor Collector	$ 2,751	$ 1,882,070	Douglas Shire South (TR1)	1	$ 1,882,070			$ 20	$ -	2009	1.05	$ 1,982,895	Y	
158928	TRE175	Urban Minor Collector	Marlin Drive	TRE175_Urban Minor Collector_Marlin Drive	ROAD / PATH	111.51	Urban Minor Collector	$ 2,751	$ 306,751	Douglas Shire South (TR1)	1	$ 306,751			$ 20	$ -	2009	1.05	$ 323,184	Y	
158928	TRE176	Urban Minor Collector	Marlin Drive	TRE176_Urban Minor Collector_Marlin Drive	ROAD / PATH	28.654	Urban Minor Collector	$ 2,751	$ 78,824	Douglas Shire South (TR1)	1	$ 78,824			$ 20	$ -	2009	1.05	$ 83,046	Y	
158928	TRE177	Urban Minor Collector	Marlin Drive	TRE177_Urban Minor Collector_Marlin Drive	ROAD / PATH	109.26	Urban Minor Collector	$ 2,751	$ 300,561	Douglas Shire South (TR1)	1	$ 300,561			$ 20	$ -	2009	1.05	$ 316,663	Y	
158928	TRE178	Urban Minor Collector	Marlin Drive	TRE178_Urban Minor Collector_Marlin Drive	ROAD / PATH	60.15	Urban Minor Collector	$ 2,751	$ 165,465	Douglas Shire South (TR1)	1	$ 165,465			$ 20	$ -	2009	1.05	$ 174,330	Y	
158928	TRE179	Urban Minor Collector	Marlin Drive	TRE179_Urban Minor Collector_Marlin Drive	ROAD / PATH	41.025	Urban Minor Collector	$ 2,751	$ 112,855	Douglas Shire South (TR1)	1	$ 112,855			$ 20	$ -	2009	1.05	$ 118,901	Y	
158928	TRE180	Urban Minor Collector	Marlin Drive	TRE180_Urban Minor Collector_Marlin Drive	ROAD / PATH	101.04	Urban Minor Collector	$ 2,751	$ 277,949	Douglas Shire South (TR1)	1	$ 277,949			$ 20	$ -	2009	1.05	$ 292,839	Y	
162649	TRE181	Access Street	Oasis Drive	TRE181_Access Street_Oasis Drive	ROAD / PATH	190.48	Access Street	$ 2,430	$ 462,893	Douglas Shire South (TR1)	1	$ 462,893			$ 20	$ -	2009	1.05	$ 487,691	Y	
162649	TRE182	Access Street	Oasis Drive	TRE182_Access Street_Oasis Drive	ROAD / PATH	147.42	Access Street	$ 2,430	$ 358,251	Douglas Shire South (TR1)	1	$ 358,251			$ 20	$ -	2009	1.05	$ 377,443	Y	
158813	TRE183	Urban Minor Collector	Marine Parade	TRE183_Urban Minor Collector_Marine Parade	ROAD / PATH	214.46	Urban Minor Collector	$ 2,751	$ 589,954	Douglas Shire South (TR1)	1	$ 589,954			$ 20	$ -	2009	1.05	$ 621,558	Y	
158813	TRE184	Urban Minor Collector	Marine Parade	TRE184_Urban Minor Collector_Marine Parade	ROAD / PATH	217.23	Urban Minor Collector	$ 2,751	$ 597,574	Douglas Shire South (TR1)	1	$ 597,574			$ 20	$ -	2009	1.05	$ 629,587	Y	
158813	TRE185	Urban Minor Collector	Marine Parade	TRE185_Urban Minor Collector_Marine Parade	ROAD / PATH	228.32	Urban Minor Collector	$ 2,751	$ 628,081	Douglas Shire South (TR1)	1	$ 628,081			$ 20	$ -	2009	1.05	$ 661,728	Y	
158813	TRE186	Urban Minor Collector	Marine Parade	TRE186_Urban Minor Collector_Marine Parade	ROAD / PATH	208.71	Urban Minor Collector	$ 2,751	$ 574,136	Douglas Shire South (TR1)	1	$ 574,136			$ 20	$ -	2009	1.05	$ 604,893	Y	
158813	TRE187	Urban Minor Collector	Marine Parade	TRE187_Urban Minor Collector_Marine Parade	ROAD / PATH	244.25	Urban Minor Collector	$ 2,751	$ 671,902	Douglas Shire South (TR1)	1	$ 671,902			$ 20	$ -	2009	1.05	$ 707,897	Y	
137367	TRE188	Urban Minor Collector	Bougainvillea Street	TRE188_Urban Minor Collector_Bougainvillea Street	ROAD / PATH	583.65	Urban Minor Collector	$ 2,751	$ 1,605,551	Douglas Shire South (TR1)	1	$ 1,605,551			$ 20	$ -	2009	1.05	$ 1,691,563	Y	
96119	TRE189	Urban Minor Collector	Forest Glen Drive	TRE189_Urban Minor Collector_Forest Glen Drive	ROAD / PATH	257.63	Urban Minor Collector	$ 2,751	$ 708,709	Douglas Shire South (TR1)	1	$ 708,709			$ 20	$ -	2009	1.05	$ 746,676	Y	
161269	TRE190	Urban Minor Collector	Mowbray Street	TRE190_Urban Minor Collector_Mowbray Street	ROAD / PATH	302.19	Urban Minor Collector	$ 2,751	$ 831,288	Douglas Shire South (TR1)	1	$ 831,288			$ 20	$ -	2009	1.05	$ 875,822	Y	
161269	TRE191	Urban Minor Collector	Mowbray Street	TRE191_Urban Minor Collector_Mowbray Street	ROAD / PATH	144.39	Urban Minor Collector	$ 2,751	$ 397,200	Douglas Shire South (TR1)	1	$ 397,200			$ 20	$ -	2009	1.05	$ 418,478	Y	
158174	TRE192	Urban Minor Collector	Macrossan Street	TRE192_Urban Minor Collector_Macrossan Street	ROAD / PATH	164.23	Urban Minor Collector	$ 2,751	$ 451,777	Douglas Shire South (TR1)	1	$ 451,777			$ 20	$ -	2009	1.05	$ 475,979	Y	

Douglas Shire Council
Transport

EXISTING TRUNK ASSETS

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Land Valuation Type	Location

Asset Data — Basic Asset Data / Asset Attributes / Basic Asset Valuation / Land Attributes / Refined Asset Value / Catchment Asset Allocation

Asset ID	LGIP ID	Asset Class	Asset Name	Description	Unit Rate Type (*)	Length/unit (*)	Hiercahy/name	Unit Rate	Baseline Valuation	Site/Condition	Multiplier	Gross Value	Land Location/Type	Size of land (ha) (*)	Unit Cost	Land Value	Valuation Year	Escalation	Current Replacement	Douglas Shire South (TR1)	Douglas Shire North (TR2)
Councils ID (from GIS, FAR, AMA etc.)	ID from the LGIP drawings	Arterial, Subarterial, Collector							May be calculated from unit rates OR unique values can be direct entered										CRC	131,539	3,261
146218	TRE193	Urban Minor Collector	Esplanade	TRE193_Urban Minor Collector_Esplanade	ROAD / PATH	266.4	Urban Minor Collector	$ 2,751	$ 732,834	Douglas Shire South (TR1)	1	$ 732,834			$ 20	$ -	2009	1.05	$ 772,093	Y	
175016	TRE194	Urban Minor Collector	Warner Street	TRE194_Urban Minor Collector_Warner Street	ROAD / PATH	268.99	Urban Minor Collector	$ 2,751	$ 739,959	Douglas Shire South (TR1)	1	$ 739,959			$ 20	$ -	2009	1.05	$ 779,600	Y	
161269	TRE195	Urban Minor Collector	Mowbray Street	TRE195_Urban Minor Collector_Mowbray Street	ROAD / PATH	135.46	Urban Minor Collector	$ 2,751	$ 372,634	Douglas Shire South (TR1)	1	$ 372,634			$ 20	$ -	2009	1.05	$ 392,597	Y	
175016	TRE196	Urban Minor Collector	Warner Street	TRE196_Urban Minor Collector_Warner Street	ROAD / PATH	255.4	Urban Minor Collector	$ 2,751	$ 702,575	Douglas Shire South (TR1)	1	$ 702,575			$ 20	$ -	2009	1.05	$ 740,213	Y	
96121	TRE197	Rural Minor Collector	Mossman Gorge Road	TRE197_Rural Minor Collector_Mossman Gorge Road	ROAD / PATH	422.7	Rural Minor Collector	$ 724	$ 305,908	Douglas Shire South (TR1)	1	$ 305,908			$ 20	$ -	2009	1.05	$ 322,296	Y	
175825	TRE198	Urban Minor Collector	Wharf Street	TRE198_Urban Minor Collector_Wharf Street	ROAD / PATH	110.81	Urban Minor Collector	$ 2,751	$ 304,825	Douglas Shire South (TR1)	1	$ 304,825			$ 20	$ -	2009	1.05	$ 321,155	Y	
	TRE199	Urban Minor Collector	Snapper Island Drive	TRE199_Urban Minor Collector_Snapper Island Drive	ROAD / PATH	262.47	Urban Minor Collector	$ 2,751	$ 722,023	Douglas Shire South (TR1)	1	$ 722,023			$ 20	$ -	2009	1.05	$ 760,703	Y	
96121	TRE200	Rural Minor Collector	Mossman Gorge Road	TRE200_Rural Minor Collector_Mossman Gorge Road	ROAD / PATH	4492	Rural Minor Collector	$ 724	$ 3,250,860	Douglas Shire South (TR1)	1	$ 3,250,860			$ 20	$ -	2009	1.05	$ 3,425,014	Y	
	TRE201	Urban Minor Collector	Sandpiper Street	TRE201_Urban Minor Collector_Sandpiper Street	ROAD / PATH	284.91	Urban Minor Collector	$ 2,751	$ 783,753	Douglas Shire South (TR1)	1	$ 783,753			$ 20	$ -	2009	1.05	$ 825,740	Y	
	TRE202	Urban Minor Collector	Oriole Street	TRE202_Urban Minor Collector_Oriole Street	ROAD / PATH	404.52	Urban Minor Collector	$ 2,751	$ 1,112,786	Douglas Shire South (TR1)	1	$ 1,112,786			$ 20	$ -	2009	1.05	$ 1,172,400	Y	
	TRE203	Urban Minor Collector	Brolga Street	TRE203_Urban Minor Collector_Brolga Street	ROAD / PATH	219.16	Urban Minor Collector	$ 2,751	$ 602,883	Douglas Shire South (TR1)	1	$ 602,883			$ 20	$ -	2009	1.05	$ 635,180	Y	
	TRE204	Urban Minor Collector	Birdwing Street	TRE204_Urban Minor Collector_Birdwing Street	ROAD / PATH	530.59	Urban Minor Collector	$ 2,751	$ 1,459,589	Douglas Shire South (TR1)	1	$ 1,459,589			$ 20	$ -	2009	1.05	$ 1,537,782	Y	
	TRE008	Rural Major Collector	Cooya Beach Road	TRE008_Rural Major Collector_Cooya Beach Road	ROAD / PATH	161.63	Rural Major Collector	$ 1,006	$ 162,616	Douglas Shire South (TR1)	1	$ 162,616			$ 20	$ -	2009	1.05	$ 171,328	Y	
	TRE009	Urban Minor Collector	Connolly Street	TRE009_Urban Minor Collector_Connolly Street	ROAD / PATH	185.12	Urban Minor Collector	$ 2,751	$ 509,243	Douglas Shire South (TR1)	1	$ 509,243			$ 20	$ -	2009	1.05	$ 536,524	Y	
	TRE013	Urban Minor Collector	Grant Street	TRE013_Urban Minor Collector_Grant Street	ROAD / PATH	128.62	Urban Minor Collector	$ 2,751	$ 353,818	Douglas Shire South (TR1)	1	$ 353,818			$ 20	$ -	2009	1.05	$ 372,773	Y	
	TRE014	Urban Minor Collector	Owen Street	TRE014_Urban Minor Collector_Owen Street	ROAD / PATH	127.74	Urban Minor Collector	$ 2,751	$ 351,397	Douglas Shire South (TR1)	1	$ 351,397			$ 20	$ -	2009	1.05	$ 370,222	Y	
	TRE015	Urban Minor Collector	Mowbray Street	TRE015_Urban Minor Collector_Mowbray Street	ROAD / PATH	138.08	Urban Minor Collector	$ 2,751	$ 379,842	Douglas Shire South (TR1)	1	$ 379,842			$ 20	$ -	2009	1.05	$ 400,190	Y	
	TRE055	Access Street	Snapper Island Drive	TRE055_Access Street_Snapper Island Drive	ROAD / PATH	554.02	Access Street	$ 2,430	$ 1,346,346	Douglas Shire South (TR1)	1	$ 1,346,346			$ 20	$ -	2009	1.05	$ 1,418,472	Y	
								$ -	$ -		1	$ -			$ 20	$ -		1.00	$ -		
MAJOR GRANT FUNDING																					
	TRESUB1	Bitumen Sealing of Cape Tribulation Road North from the Mossman - Daintree Road (WHA) - State Government Funding			ROAD / PATH			#N/A	-$ 9,209,356	Douglas Shire North (TR2)	1.4	-$ 12,893,098			$ 20	$ -	2011	1.00	-$ 12,893,098		Y
	TRESUB2	Bitumen Sealing of Cape Tribulation Road North from the Mossman - Daintree Road (WHA) - Federal Government Funding			ROAD / PATH			#N/A	-$ 4,093,047	Douglas Shire North (TR2)	1.4	-$ 5,730,266			$ 20	$ -	2011	1.00	-$ 5,730,266		Y
	TRESUB3	Bitumen Sealing of Cape Tribulation Road North from the Mossman - Daintree Road (WHA) - Wet tropics Management Authority Funding			ROAD / PATH			#N/A	-$ 818,609	Douglas Shire North (TR2)	1.4	-$ 1,146,053			$ 20	$ -	2011	1.00	-$ 1,146,053		Y
								$ -	$ -		1	$ -			$ 20	$ -		1.00	$ -		
PATH ASSETS																					
34002_2	FPE001	Concrete_Path	Millman Drive Off	Concrete_Path_Millman Drive Off	ROAD / PATH	88.213	Concrete_Path	$ 167	$ 14,687	Douglas Shire South (TR1)	1	$ 14,687			$ 20	$ -	2009	1.05	$ 15,474	Y	
34002_2	FPE002	Concrete_Path	Millman Drive Off	Concrete_Path_Millman Drive Off	ROAD / PATH	111.77	Concrete_Path	$ 167	$ 18,610	Douglas Shire South (TR1)	1	$ 18,610			$ 20	$ -	2009	1.05	$ 19,607	Y	
37081_1	FPE003	Concrete_Path	Yiki Street	Concrete_Path_Yiki Street	ROAD / PATH	59.718	Concrete_Path	$ 167	$ 9,943	Douglas Shire South (TR1)	1	$ 9,943			$ 20	$ -	2009	1.05	$ 10,476	Y	
23034_3	FPE004	Concrete_Path	Mitre Street	Concrete_Path_Mitre Street	ROAD / PATH	503.61	Concrete_Path	$ 167	$ 83,851	Douglas Shire South (TR1)	1	$ 83,851			$ 20	$ -	2009	1.05	$ 88,343	Y	
23034_2	FPE005	Concrete_Path	Mitre Street	Concrete_Path_Mitre Street	ROAD / PATH	147.98	Concrete_Path	$ 167	$ 24,639	Douglas Shire South (TR1)	1	$ 24,639			$ 20	$ -	2009	1.05	$ 25,959	Y	
23034_1	FPE006	Concrete_Path	Mitre Street	Concrete_Path_Mitre Street	ROAD / PATH	417.95	Concrete_Path	$ 167	$ 69,589	Douglas Shire South (TR1)	1	$ 69,589			$ 20	$ -	2009	1.05	$ 73,317	Y	
23034_1	FPE007	Concrete_Path	Mitre Street	Concrete_Path_Mitre Street	ROAD / PATH	43.053	Concrete_Path	$ 167	$ 7,168	Douglas Shire South (TR1)	1	$ 7,168			$ 20	$ -	2009	1.05	$ 7,552	Y	
34018_1	FPE008	Concrete_Path	Sagiba Avenue	Concrete_Path_Sagiba Avenue	ROAD / PATH	200.87	Concrete_Path	$ 167	$ 33,445	Douglas Shire South (TR1)	1	$ 33,445			$ 20	$ -	2009	1.05	$ 35,237	Y	
130004_1	FPE009	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	156.44	Concrete_Path	$ 167	$ 26,047	Douglas Shire South (TR1)	1	$ 26,047			$ 20	$ -	2009	1.05	$ 27,443	Y	
130009_1	FPE010	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	298.52	Concrete_Path	$ 167	$ 49,704	Douglas Shire South (TR1)	1	$ 49,704			$ 20	$ -	2009	1.05	$ 52,366	Y	
23088_3	FPE011	Concrete_Path	Oriole Street	Concrete_Path_Oriole Street	ROAD / PATH	47.186	Concrete_Path	$ 167	$ 7,856	Douglas Shire South (TR1)	1	$ 7,856			$ 20	$ -	2009	1.05	$ 8,277	Y	
23088_4	FPE012	Concrete_Path	Oriole Street	Concrete_Path_Oriole Street	ROAD / PATH	110.57	Concrete_Path	$ 167	$ 18,410	Douglas Shire South (TR1)	1	$ 18,410			$ 20	$ -	2009	1.05	$ 19,396	Y	
34011_2	FPE013	Concrete_Path	Sandpiper Close	Concrete_Path_Sandpiper Close	ROAD / PATH	19.052	Concrete_Path	$ 167	$ 3,172	Douglas Shire South (TR1)	1	$ 3,172			$ 20	$ -	2009	1.05	$ 3,342	Y	
34011_2	FPE014	Concrete_Path	Sandpiper Close	Concrete_Path_Sandpiper Close	ROAD / PATH	145.9	Concrete_Path	$ 167	$ 24,292	Douglas Shire South (TR1)	1	$ 24,292			$ 20	$ -	2009	1.05	$ 25,594	Y	
34011_1	FPE015	Concrete_Path	Sandpiper Close	Concrete_Path_Sandpiper Close	ROAD / PATH	99.304	Concrete_Path	$ 167	$ 16,534	Douglas Shire South (TR1)	1	$ 16,534			$ 20	$ -	2009	1.05	$ 17,420	Y	
240415_1	FPE016	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	33.488	Concrete_Path	$ 167	$ 5,576	Douglas Shire South (TR1)	1	$ 5,576			$ 20	$ -	2009	1.05	$ 5,874	Y	
240416_1	FPE017	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	55.661	Concrete_Path	$ 167	$ 9,268	Douglas Shire South (TR1)	1	$ 9,268			$ 20	$ -	2009	1.05	$ 9,764	Y	
34019_1	FPE018	Asphalt_Path	Port Douglas Road	Asphalt_Path_Port Douglas Road	ROAD / PATH	18.467	Asphalt_Path	$ 193	$ 3,571	Douglas Shire South (TR1)	1	$ 3,571			$ 20	$ -	2009	1.05	$ 3,763	Y	
130005_1	FPE019	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	230.43	Concrete_Path	$ 167	$ 38,367	Douglas Shire South (TR1)	1	$ 38,367			$ 20	$ -	2009	1.05	$ 40,422	Y	
130006_1	FPE020	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	104.36	Concrete_Path	$ 167	$ 17,376	Douglas Shire South (TR1)	1	$ 17,376			$ 20	$ -	2009	1.05	$ 18,307	Y	
23018_1	FPE021	Concrete_Path	Endeavour Street	Concrete_Path_Endeavour Street	ROAD / PATH	18.268	Concrete_Path	$ 167	$ 3,042	Douglas Shire South (TR1)	1	$ 3,042			$ 20	$ -	2009	1.05	$ 3,205	Y	
23018_1	FPE022	Concrete_Path	Endeavour Street	Concrete_Path_Endeavour Street	ROAD / PATH	57.13	Concrete_Path	$ 167	$ 9,512	Douglas Shire South (TR1)	1	$ 9,512			$ 20	$ -	2009	1.05	$ 10,022	Y	
23018_1	FPE023	Concrete_Path	Endeavour Street	Concrete_Path_Endeavour Street	ROAD / PATH	134.1	Concrete_Path	$ 167	$ 22,328	Douglas Shire South (TR1)	1	$ 22,328			$ 20	$ -	2009	1.05	$ 23,524	Y	
23056_7	FPE024	Concrete_Path	St Crispins Avenue	Concrete_Path_St Crispins Avenue	ROAD / PATH	72.645	Concrete_Path	$ 167	$ 12,095	Douglas Shire South (TR1)	1	$ 12,095			$ 20	$ -	2009	1.05	$ 12,743	Y	
23056_6	FPE025	Concrete_Path	St Crispins Avenue	Concrete_Path_St Crispins Avenue	ROAD / PATH	139.06	Concrete_Path	$ 167	$ 23,153	Douglas Shire South (TR1)	1	$ 23,153			$ 20	$ -	2009	1.05	$ 24,394	Y	
23006_1	FPE026	Concrete_Path	Baler Street	Concrete_Path_Baler Street	ROAD / PATH	14.616	Concrete_Path	$ 167	$ 2,434	Douglas Shire South (TR1)	1	$ 2,434			$ 20	$ -	2009	1.05	$ 2,564	Y	
23023_1	FPE027	Concrete_Path	Helmet Street	Concrete_Path_Helmet Street	ROAD / PATH	12.291	Concrete_Path	$ 167	$ 2,046	Douglas Shire South (TR1)	1	$ 2,046			$ 20	$ -	2009	1.05	$ 2,156	Y	
23060_1	FPE028	Concrete_Path	Triton Crescent	Concrete_Path_Triton Crescent	ROAD / PATH	42.003	Concrete_Path	$ 167	$ 6,993	Douglas Shire South (TR1)	1	$ 6,993			$ 20	$ -	2009	1.05	$ 7,368	Y	
23045_1	FPE029	Concrete_Path	Reef Street	Concrete_Path_Reef Street	ROAD / PATH	72.146	Concrete_Path	$ 167	$ 12,012	Douglas Shire South (TR1)	1	$ 12,012			$ 20	$ -	2009	1.05	$ 12,656	Y	
240411_1	FPE030	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	8.707	Concrete_Path	$ 167	$ 1,450	Douglas Shire South (TR1)	1	$ 1,450			$ 20	$ -	2009	1.05	$ 1,527	Y	
34017_1	FPE031	Concrete_Path	Bale Drive	Concrete_Path_Bale Drive	ROAD / PATH	124.41	Concrete_Path	$ 167	$ 20,714	Douglas Shire South (TR1)	1	$ 20,714			$ 20	$ -	2009	1.05	$ 21,824	Y	
23035_1	FPE032	Concrete_Path	Morning Close	Concrete_Path_Morning Close	ROAD / PATH	163.14	Concrete_Path	$ 167	$ 27,163	Douglas Shire South (TR1)	1	$ 27,163			$ 20	$ -	2009	1.05	$ 28,618	Y	
23035_1	FPE033	Concrete_Path	Morning Close	Concrete_Path_Morning Close	ROAD / PATH	71.321	Concrete_Path	$ 167	$ 11,875	Douglas Shire South (TR1)	1	$ 11,875			$ 20	$ -	2009	1.05	$ 12,511	Y	
240447_1	FPE034	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	42.726	Concrete_Path	$ 167	$ 7,114	Douglas Shire South (TR1)	1	$ 7,114			$ 20	$ -	2009	1.05	$ 7,495	Y	
34019_6	FPE035	Gravel_Path	Port Douglas Road	Gravel_Path_Port Douglas Road	ROAD / PATH	18.58	Gravel_Path	$ 32	$ 598	Douglas Shire South (TR1)	1	$ 598			$ 20	$ -	2009	1.05	$ 630	Y	
23049_1	FPE036	Concrete_Path	Savannah Close	Concrete_Path_Savannah Close	ROAD / PATH	89.886	Concrete_Path	$ 167	$ 14,966	Douglas Shire South (TR1)	1	$ 14,966			$ 20	$ -	2009	1.05	$ 15,768	Y	
130007_1	FPE037	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	88.864	Concrete_Path	$ 167	$ 14,796	Douglas Shire South (TR1)	1	$ 14,796			$ 20	$ -	2009	1.05	$ 15,588	Y	
9118_1	FPE038	Concrete_Path	Escape Street Link	Concrete_Path_Escape Street Link	ROAD / PATH	70.53	Concrete_Path	$ 167	$ 11,743	Douglas Shire South (TR1)	1	$ 11,743			$ 20	$ -	2009	1.05	$ 12,372	Y	
130010_1	FPE039	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	139.06	Concrete_Path	$ 167	$ 23,153	Douglas Shire South (TR1)	1	$ 23,153			$ 20	$ -	2009	1.05	$ 24,394	Y	
23019_1	FPE040	Concrete_Path	Escape Street	Concrete_Path_Escape Street	ROAD / PATH	78.259	Concrete_Path	$ 167	$ 13,030	Douglas Shire South (TR1)	1	$ 13,030			$ 20	$ -	2009	1.05	$ 13,728	Y	
23032_1	FPE041	Concrete_Path	Mahogany Street	Concrete_Path_Mahogany Street	ROAD / PATH	68.624	Concrete_Path	$ 167	$ 11,426	Douglas Shire South (TR1)	1	$ 11,426			$ 20	$ -	2009	1.05	$ 12,038	Y	
23015_2	FPE042	Concrete_Path	Davidson Street	Concrete_Path_Davidson Street	ROAD / PATH	434.06	Concrete_Path	$ 167	$ 72,271	Douglas Shire South (TR1)	1	$ 72,271			$ 20	$ -	2009	1.05	$ 76,143	Y	
130000_1	FPE043	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	231.86	Concrete_Path	$ 167	$ 38,605	Douglas Shire South (TR1)	1	$ 38,605			$ 20	$ -	2009	1.05	$ 40,673	Y	
23021_4	FPE044	Concrete_Path	Garrick Street	Concrete_Path_Garrick Street	ROAD / PATH	66.093	Concrete_Path	$ 167	$ 11,004	Douglas Shire South (TR1)	1	$ 11,004			$ 20	$ -	2009	1.05	$ 11,594	Y	
23009_2	FPE045	Concrete_Path	Blake Street	Concrete_Path_Blake Street	ROAD / PATH	54.771	Concrete_Path	$ 167	$ 9,119	Douglas Shire South (TR1)	1	$ 9,119			$ 20	$ -	2009	1.05	$ 9,608	Y	
23009_2	FPE046	Concrete_Path	Blake Street	Concrete_Path_Blake Street	ROAD / PATH	54.89	Concrete_Path	$ 167	$ 9,139	Douglas Shire South (TR1)	1	$ 9,139			$ 20	$ -	2009	1.05	$ 9,629	Y	
23008_2	FPE047	Concrete_Path	Beryl Street	Concrete_Path_Beryl Street	ROAD / PATH	60.154	Concrete_Path	$ 167	$ 10,016	Douglas Shire South (TR1)	1	$ 10,016			$ 20	$ -	2009	1.05	$ 10,552	Y	
23008_2	FPE048	Concrete_Path	Beryl Street	Concrete_Path_Beryl Street	ROAD / PATH	108.11	Concrete_Path	$ 167	$ 18,000	Douglas Shire South (TR1)	1	$ 18,000			$ 20	$ -	2009	1.05	$ 18,965	Y	
130008_1	FPE049	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	68.016	Concrete_Path	$ 167	$ 11,325	Douglas Shire South (TR1)	1	$ 11,325			$ 20	$ -	2009	1.05	$ 11,931	Y	
130008_1	FPE050	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	30.839	Concrete_Path	$ 167	$ 5,135	Douglas Shire South (TR1)	1	$ 5,135			$ 20	$ -	2009	1.05	$ 5,410	Y	
23021_1	FPE051	Brick Paver_Path	Garrick Street	Brick Paver_Path_Garrick Street	ROAD / PATH	38.11	Brick Paver_Path	$ 366	$ 13,930	Douglas Shire South (TR1)	1	$ 13,930			$ 20	$ -	2009	1.05	$ 14,676	Y	
23036_3	FPE052	Concrete_Path	Mowbray Street	Concrete_Path_Mowbray Street	ROAD / PATH	121.04	Concrete_Path	$ 167	$ 20,153	Douglas Shire South (TR1)	1	$ 20,153			$ 20	$ -	2009	1.05	$ 21,233	Y	
23063_3	FPE053	Concrete_Path	Mowbray Street	Concrete_Path_Mowbray Street	ROAD / PATH	117.9	Concrete_Path	$ 167	$ 19,630	Douglas Shire South (TR1)	1	$ 19,630			$ 20	$ -	2009	1.05	$ 20,682	Y	
130016_1	FPE054	Gravel_Path	Res_pathway	Gravel_Path_Res_pathway	ROAD / PATH	68.902	Gravel_Path	$ 32	$ 2,216	Douglas Shire South (TR1)	1	$ 2,216			$ 20	$ -	2009	1.05	$ 2,335	Y	
130017_1	FPE055	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	95.024	Concrete_Path	$ 167	$ 15,821	Douglas Shire South (TR1)	1	$ 15,821			$ 20	$ -	2009	1.05	$ 16,669	Y	
130018_1	FPE056	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	79.596	Concrete_Path	$ 167	$ 13,253	Douglas Shire South (TR1)	1	$ 13,253			$ 20	$ -	2009	1.05	$ 13,963	Y	
130001_1	FPE057	Brick Paver_Path	Res_pathway	Brick Paver_Path_Res_pathway	ROAD / PATH	176.35	Brick Paver_Path	$ 366	$ 64,458	Douglas Shire South (TR1)	1	$ 64,458			$ 20	$ -	2009	1.05	$ 67,911	Y	
130002_1	FPE058	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	55.966	Concrete_Path	$ 167	$ 9,318	Douglas Shire South (TR1)	1	$ 9,318			$ 20	$ -	2009	1.05	$ 9,818	Y	
23042_2	FPE059	Concrete_Path	Owen Street	Concrete_Path_Owen Street	ROAD / PATH	116.77	Concrete_Path	$ 167	$ 19,442	Douglas Shire South (TR1)	1	$ 19,442			$ 20	$ -	2009	1.05	$ 20,484	Y	
23042_2	FPE060	Brick Paver_Path	Owen Street	Brick Paver_Path_Owen Street	ROAD / PATH	122.07	Brick Paver_Path	$ 366	$ 44,618	Douglas Shire South (TR1)	1	$ 44,618			$ 20	$ -	2009	1.05	$ 47,008	Y	
23042_2	FPE061	Brick Paver_Path	Owen Street	Brick Paver_Path_Owen Street	ROAD / PATH	20.667	Brick Paver_Path	$ 366	$ 7,554	Douglas Shire South (TR1)	1	$ 7,554			$ 20	$ -	2009	1.05	$ 7,959	Y	
24042_3	FPE062	Brick Paver_Path	Owen Street	Brick Paver_Path_Owen Street	ROAD / PATH	46.308	Brick Paver_Path	$ 366	$ 16,926	Douglas Shire South (TR1)	1	$ 16,926			$ 20	$ -	2009	1.05	$ 17,833	Y	
23042_3	FPE063	Concrete_Path	Owen Street	Concrete_Path_Owen Street	ROAD / PATH	49.927	Concrete_Path	$ 167	$ 8,313	Douglas Shire South (TR1)	1	$ 8,313			$ 20	$ -	2009	1.05	$ 8,758	Y	
23022_2	FPE064	Brick Paver_Path	Grant Street	Brick Paver_Path_Grant Street	ROAD / PATH	104.87	Brick Paver_Path	$ 366	$ 38,331	Douglas Shire South (TR1)	1	$ 38,331			$ 20	$ -	2009	1.05	$ 40,384	Y	
23022_1	FPE065	Brick Paver_Path	Grant Street	Brick Paver_Path_Grant Street	ROAD / PATH	51.169	Brick Paver_Path	$ 366	$ 18,703	Douglas Shire South (TR1)	1	$ 18,703			$ 20	$ -	2009	1.05	$ 19,705	Y	
23064_1	FPE066	Brick Paver_Path	Warner Street	Brick Paver_Path_Warner Street	ROAD / PATH	23.675	Brick Paver_Path	$ 366	$ 8,653	Douglas Shire South (TR1)	1	$ 8,653			$ 20	$ -	2009	1.05	$ 9,117	Y	
23022_2	FPE067	Brick Paver_Path	Grant Street	Brick Paver_Path_Grant Street	ROAD / PATH	111.91	Brick Paver_Path	$ 366	$ 40,904	Douglas Shire South (TR1)	1	$ 40,904			$ 20	$ -	2009	1.05	$ 43,096	Y	
23022_1	FPE068	Brick Paver_Path	Grant Street	Brick Paver_Path_Grant Street	ROAD / PATH	92.045	Brick Paver_Path	$ 366	$ 33,643	Douglas Shire South (TR1)	1	$ 33,643			$ 20	$ -	2009	1.05	$ 35,446	Y	

Douglas Shire Council
Transport

Return to "Existing Trunk Assets"

EXISTING TRUNK ASSETS

Land Valuation Type	Location

Asset Data																				Catchment Asset Allocation	
Basic Asset Data					Asset Attributes			Basic Asset Valuation					Land Attributes				Refined Asset Value				
Asset ID	LGIP ID	Asset Class	Asset Name	Description	Unit Rate Type (*)	Length/unit (*)	Hiercahy/name	Unit Rate	Baseline Valuation	Site/Condition	Multiplier	Gross Value	Land Location/Type	Size of land (ha) (*)	Unit Cost	Land Value	Valuation Year	Escalation	Current Replacement	Douglas Shire South (TR1)	Douglas Shire North (TR2)
Councils ID (from GIS, FAR, AMA etc.)	ID from the LGIP drawings	Arterial, Subarterial, Collector							May be calculated from unit rates OR unique values can be direct entered										CRC	131,539	3,261
23038_2	FPE069	Concrete_Path	Murphy Street	Concrete_Path_Murphy Street	ROAD / PATH	14.319	Concrete_Path	$ 167	$ 2,384	Douglas Shire South (TR1)	1	$ 2,384			$ 20	$ -	2009	1.05	$ 2,512	Y	
23026_1	FPE070	Concrete_Path	Inlet Street	Concrete_Path_Inlet Street	ROAD / PATH	82.456	Concrete_Path	$ 167	$ 13,729	Douglas Shire South (TR1)	1	$ 13,729			$ 20	$ -	2009	1.05	$ 14,464	Y	
23065_2	FPE071	Brick Paver_Path	Wharf Street	Brick Paver_Path_Wharf Street	ROAD / PATH	88.5	Brick Paver_Path	$ 366	$ 32,348	Douglas Shire South (TR1)	1	$ 32,348			$ 20	$ -	2009	1.05	$ 34,081	Y	
13031_1	FPE072	Concrete_Path	Quaid Street	Concrete_Path_Quaid Street	ROAD / PATH	23.877	Concrete_Path	$ 167	$ 3,976	Douglas Shire South (TR1)	1	$ 3,976			$ 20	$ -	2009	1.05	$ 4,188	Y	
13031_1	FPE073	Concrete_Path	Quaid Street	Concrete_Path_Quaid Street	ROAD / PATH	29.504	Concrete_Path	$ 167	$ 4,912	Douglas Shire South (TR1)	1	$ 4,912			$ 20	$ -	2009	1.05	$ 5,176	Y	
13031_1	FPE074	Gravel_Path	Quaid Street	Gravel_Path_Quaid Street	ROAD / PATH	18.943	Gravel_Path	$ 32	$ 609	Douglas Shire South (TR1)	1	$ 609			$ 20	$ -	2009	1.05	$ 642	Y	
9111_1	FPE075	Concrete_Path	White Oak Av : Waratah Cl	Concrete_Path_White Oak Av : Waratah Cl	ROAD / PATH	81.026	Concrete_Path	$ 167	$ 13,491	Douglas Shire South (TR1)	1	$ 13,491			$ 20	$ -	2009	1.05	$ 14,214	Y	
9112_1	FPE076	Concrete_Path	Esplanade	Concrete_Path_Esplanade	ROAD / PATH	46.075	Concrete_Path	$ 167	$ 7,671	Douglas Shire South (TR1)	1	$ 7,671			$ 20	$ -	2009	1.05	$ 8,082	Y	
9113_1	FPE077	Concrete_Path	Forest Glen Rd : Satinash St	Concrete_Path_Forest Glen Rd : Satinash St	ROAD / PATH	77.819	Concrete_Path	$ 167	$ 12,957	Douglas Shire South (TR1)	1	$ 12,957			$ 20	$ -	2009	1.05	$ 13,651	Y	
34045_1	FPE078	Concrete_Path	Monarch Drive	Concrete_Path_Monarch Drive	ROAD / PATH	23.135	Concrete_Path	$ 167	$ 3,852	Douglas Shire South (TR1)	1	$ 3,852			$ 20	$ -	2009	1.05	$ 4,058	Y	
14046_1	FPE079	Concrete_Path	Spoonbill Close	Concrete_Path_Spoonbill Close	ROAD / PATH	42.76	Concrete_Path	$ 167	$ 7,120	Douglas Shire South (TR1)	1	$ 7,120			$ 20	$ -	2009	1.05	$ 7,501	Y	
34045_1	FPE080	Concrete_Path	Monarch Drive	Concrete_Path_Monarch Drive	ROAD / PATH	81.064	Concrete_Path	$ 167	$ 13,497	Douglas Shire South (TR1)	1	$ 13,497			$ 20	$ -	2009	1.05	$ 14,220	Y	
9109_1	FPE081	Concrete_Path	Esplanade	Concrete_Path_Esplanade	ROAD / PATH	41.359	Concrete_Path	$ 167	$ 6,886	Douglas Shire South (TR1)	1	$ 6,886			$ 20	$ -	2009	1.05	$ 7,255	Y	
34043_2	FPE082	Concrete_Path	Riflebird Crescent	Concrete_Path_Riflebird Crescent	ROAD / PATH	221.72	Concrete_Path	$ 167	$ 36,916	Douglas Shire South (TR1)	1	$ 36,916			$ 20	$ -	2009	1.05	$ 38,894	Y	
34043_1	FPE083	Concrete_Path	Riflebird Crescent	Concrete_Path_Riflebird Crescent	ROAD / PATH	163.14	Concrete_Path	$ 167	$ 27,163	Douglas Shire South (TR1)	1	$ 27,163			$ 20	$ -	2009	1.05	$ 28,618	Y	
9110_1	FPE084	Concrete_Path	Front Street : Riflebird Cres	Concrete_Path_Front Street : Riflebird Cres	ROAD / PATH	165.46	Concrete_Path	$ 167	$ 27,549	Douglas Shire South (TR1)	1	$ 27,549			$ 20	$ -	2009	1.05	$ 29,025	Y	
13007_1	FPE085	Concrete_Path	Hospital Street	Concrete_Path_Hospital Street	ROAD / PATH	104.8	Concrete_Path	$ 167	$ 17,449	Douglas Shire South (TR1)	1	$ 17,449			$ 20	$ -	2009	1.05	$ 18,384	Y	
13009_1	FPE086	Concrete_Path	Jack Street	Concrete_Path_Jack Street	ROAD / PATH	55.343	Concrete_Path	$ 167	$ 9,215	Douglas Shire South (TR1)	1	$ 9,215			$ 20	$ -	2009	1.05	$ 9,708	Y	
240418_1	FPE087	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	18.882	Concrete_Path	$ 167	$ 3,144	Douglas Shire South (TR1)	1	$ 3,144			$ 20	$ -	2009	1.05	$ 3,312	Y	
13004_3	FPE088	Concrete_Path	Grogan Street	Concrete_Path_Grogan Street	ROAD / PATH	239.07	Concrete_Path	$ 167	$ 39,805	Douglas Shire South (TR1)	1	$ 39,805			$ 20	$ -	2009	1.05	$ 41,938	Y	
13004_2	FPE089	Concrete_Path	Grogan Street	Concrete_Path_Grogan Street	ROAD / PATH	118.46	Concrete_Path	$ 167	$ 19,724	Douglas Shire South (TR1)	1	$ 19,724			$ 20	$ -	2009	1.05	$ 20,780	Y	
13004_1	FPE090	Concrete_Path	Grogan Street	Concrete_Path_Grogan Street	ROAD / PATH	207.73	Concrete_Path	$ 167	$ 34,587	Douglas Shire South (TR1)	1	$ 34,587			$ 20	$ -	2009	1.05	$ 36,440	Y	
13004_1	FPE091	Concrete_Path	Grogan Street	Concrete_Path_Grogan Street	ROAD / PATH	89.343	Concrete_Path	$ 167	$ 14,876	Douglas Shire South (TR1)	1	$ 14,876			$ 20	$ -	2009	1.05	$ 15,673	Y	
13015_1	FPE092	Concrete_Path	Mullavey Street	Concrete_Path_Mullavey Street	ROAD / PATH	67.97	Concrete_Path	$ 167	$ 11,317	Douglas Shire South (TR1)	1	$ 11,317			$ 20	$ -	2009	1.05	$ 11,923	Y	
13003_1	FPE093	Concrete_Path	Dan Hart Lane	Concrete_Path_Dan Hart Lane	ROAD / PATH	115.8	Concrete_Path	$ 167	$ 19,281	Douglas Shire South (TR1)	1	$ 19,281			$ 20	$ -	2009	1.05	$ 20,314	Y	
13021_1	FPE094	Concrete_Path	William Street	Concrete_Path_William Street	ROAD / PATH	153.21	Concrete_Path	$ 167	$ 25,509	Douglas Shire South (TR1)	1	$ 25,509			$ 20	$ -	2009	1.05	$ 26,876	Y	
13021_1	FPE095	Concrete_Path	William Street	Concrete_Path_William Street	ROAD / PATH	69.557	Concrete_Path	$ 167	$ 11,581	Douglas Shire South (TR1)	1	$ 11,581			$ 20	$ -	2009	1.05	$ 12,202	Y	
13022_2	FPE096	Concrete_Path	Wilson Street	Concrete_Path_Wilson Street	ROAD / PATH	271.21	Concrete_Path	$ 167	$ 45,156	Douglas Shire South (TR1)	1	$ 45,156			$ 20	$ -	2009	1.05	$ 47,576	Y	
13022_2	FPE097	Concrete_Path	Wilson Street	Concrete_Path_Wilson Street	ROAD / PATH	21.252	Concrete_Path	$ 167	$ 3,538	Douglas Shire South (TR1)	1	$ 3,538			$ 20	$ -	2009	1.05	$ 3,728	Y	
13013_2	FPE098	Concrete_Path	Mill Street	Concrete_Path_Mill Street	ROAD / PATH	128.73	Concrete_Path	$ 167	$ 21,434	Douglas Shire South (TR1)	1	$ 21,434			$ 20	$ -	2009	1.05	$ 22,582	Y	
13013_1	FPE099	Concrete_Path	Mill Street	Concrete_Path_Mill Street	ROAD / PATH	132.89	Concrete_Path	$ 167	$ 22,126	Douglas Shire South (TR1)	1	$ 22,126			$ 20	$ -	2009	1.05	$ 23,312	Y	
13013_2	FPE100	Concrete_Path	Mill Street	Concrete_Path_Mill Street	ROAD / PATH	98.457	Concrete_Path	$ 167	$ 16,393	Douglas Shire South (TR1)	1	$ 16,393			$ 20	$ -	2009	1.05	$ 17,271	Y	
13013_1	FPE101	Concrete_Path	Mill Street	Concrete_Path_Mill Street	ROAD / PATH	158.49	Concrete_Path	$ 167	$ 26,389	Douglas Shire South (TR1)	1	$ 26,389			$ 20	$ -	2009	1.05	$ 27,802	Y	
240421_1	FPE102	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	24.717	Concrete_Path	$ 167	$ 4,115	Douglas Shire South (TR1)	1	$ 4,115			$ 20	$ -	2009	1.05	$ 4,336	Y	
240422_1	FPE103	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	39.867	Concrete_Path	$ 167	$ 6,638	Douglas Shire South (TR1)	1	$ 6,638			$ 20	$ -	2009	1.05	$ 6,993	Y	
240420_1	FPE104	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	20.31	Concrete_Path	$ 167	$ 3,382	Douglas Shire South (TR1)	1	$ 3,382			$ 20	$ -	2009	1.05	$ 3,563	Y	
13014_1	FPE105	Concrete_Path	Mossman Street	Concrete_Path_Mossman Street	ROAD / PATH	375.38	Concrete_Path	$ 167	$ 62,501	Douglas Shire South (TR1)	1	$ 62,501			$ 20	$ -	2009	1.05	$ 65,849	Y	
240419_1	FPE106	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	71.287	Concrete_Path	$ 167	$ 11,869	Douglas Shire South (TR1)	1	$ 11,869			$ 20	$ -	2009	1.05	$ 12,505	Y	
120111_1	FPE107	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	45.064	Concrete_Path	$ 167	$ 7,503	Douglas Shire South (TR1)	1	$ 7,503			$ 20	$ -	2009	1.05	$ 7,905	Y	
120111_1	FPE108	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	65.324	Concrete_Path	$ 167	$ 10,876	Douglas Shire South (TR1)	1	$ 10,876			$ 20	$ -	2009	1.05	$ 11,459	Y	
13006_1	FPE109	Concrete_Path	Hart Street	Concrete_Path_Hart Street	ROAD / PATH	165.08	Concrete_Path	$ 167	$ 27,486	Douglas Shire South (TR1)	1	$ 27,486			$ 20	$ -	2009	1.05	$ 28,958	Y	
13014_2	FPE110	Concrete_Path	Mossman Street	Concrete_Path_Mossman Street	ROAD / PATH	11.935	Concrete_Path	$ 167	$ 1,987	Douglas Shire South (TR1)	1	$ 1,987			$ 20	$ -	2009	1.05	$ 2,094	Y	
240425_1	FPE111	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	85.399	Concrete_Path	$ 167	$ 14,219	Douglas Shire South (TR1)	1	$ 14,219			$ 20	$ -	2009	1.05	$ 14,981	Y	
34024_2	FPE112	Concrete_Path	Bayil Drive	Concrete_Path_Bayil Drive	ROAD / PATH	127.43	Concrete_Path	$ 167	$ 21,217	Douglas Shire South (TR1)	1	$ 21,217			$ 20	$ -	2009	1.05	$ 22,354	Y	
34024_3	FPE113	Concrete_Path	Bayil Drive	Concrete_Path_Bayil Drive	ROAD / PATH	78.964	Concrete_Path	$ 167	$ 13,148	Douglas Shire South (TR1)	1	$ 13,148			$ 20	$ -	2009	1.05	$ 13,852	Y	
34024_4	FPE114	Concrete_Path	Bayil Drive	Concrete_Path_Bayil Drive	ROAD / PATH	72.23	Concrete_Path	$ 167	$ 12,026	Douglas Shire South (TR1)	1	$ 12,026			$ 20	$ -	2009	1.05	$ 12,671	Y	
34024_5	FPE115	Concrete_Path	Bayil Drive	Concrete_Path_Bayil Drive	ROAD / PATH	26.576	Concrete_Path	$ 167	$ 4,425	Douglas Shire South (TR1)	1	$ 4,425			$ 20	$ -	2009	1.05	$ 4,662	Y	
34024_1	FPE116	Concrete_Path	Bayil Drive	Concrete_Path_Bayil Drive	ROAD / PATH	97.117	Concrete_Path	$ 167	$ 16,170	Douglas Shire South (TR1)	1	$ 16,170			$ 20	$ -	2009	1.05	$ 17,036	Y	
32024_1	FPE117	Concrete_Path	Cooya Beach Road	Concrete_Path_Cooya Beach Road	ROAD / PATH	12.063	Concrete_Path	$ 167	$ 2,008	Douglas Shire South (TR1)	1	$ 2,008			$ 20	$ -	2009	1.05	$ 2,116	Y	
34025_1	FPE118	Concrete_Path	Barrbal Drive	Concrete_Path_Barrbal Drive	ROAD / PATH	43.463	Concrete_Path	$ 167	$ 7,237	Douglas Shire South (TR1)	1	$ 7,237			$ 20	$ -	2009	1.05	$ 7,624	Y	
34024_6	FPE119	Concrete_Path	Bayil Drive	Concrete_Path_Bayil Drive	ROAD / PATH	42.639	Concrete_Path	$ 167	$ 7,099	Douglas Shire South (TR1)	1	$ 7,099			$ 20	$ -	2009	1.05	$ 7,480	Y	
240424_1	FPE120	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	60.132	Concrete_Path	$ 167	$ 10,012	Douglas Shire South (TR1)	1	$ 10,012			$ 20	$ -	2009	1.05	$ 10,548	Y	
240423_1	FPE121	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	43.017	Concrete_Path	$ 167	$ 7,162	Douglas Shire South (TR1)	1	$ 7,162			$ 20	$ -	2009	1.05	$ 7,546	Y	
9104_1	FPE122	Concrete_Path	Fitzmaurice Drive Park	Concrete_Path_Fitzmaurice Drive Park	ROAD / PATH	138.41	Concrete_Path	$ 167	$ 23,045	Douglas Shire South (TR1)	1	$ 23,045			$ 20	$ -	2009	1.05	$ 24,280	Y	
9097_1	FPE123	Concrete_Path	Calophyllum Close Off	Concrete_Path_Calophyllum Close Off	ROAD / PATH	50.787	Concrete_Path	$ 167	$ 8,456	Douglas Shire South (TR1)	1	$ 8,456			$ 20	$ -	2009	1.05	$ 8,909	Y	
9099_1	FPE124	Concrete_Path	Gardenia Close	Concrete_Path_Gardenia Close	ROAD / PATH	51.248	Concrete_Path	$ 167	$ 8,533	Douglas Shire South (TR1)	1	$ 8,533			$ 20	$ -	2009	1.05	$ 8,990	Y	
37076_2	FPE125	Concrete_Path	New Wonga Esplanade	Concrete_Path_New Wonga Esplanade	ROAD / PATH	25.22	Concrete_Path	$ 167	$ 4,199	Douglas Shire South (TR1)	1	$ 4,199			$ 20	$ -	2009	1.05	$ 4,424	Y	
9104_1	FPE126	Concrete_Path	Fitzmaurice Drive Park	Concrete_Path_Fitzmaurice Drive Park	ROAD / PATH	217.2	Concrete_Path	$ 167	$ 36,164	Douglas Shire South (TR1)	1	$ 36,164			$ 20	$ -	2009	1.05	$ 38,101	Y	
9100_1	FPE127	Concrete_Path	Cliffdale Street Park	Concrete_Path_Cliffdale Street Park	ROAD / PATH	50.437	Concrete_Path	$ 167	$ 8,398	Douglas Shire South (TR1)	1	$ 8,398			$ 20	$ -	2009	1.05	$ 8,848	Y	
33023_1	FPE128	Concrete_Path	Janbal Street	Concrete_Path_Janbal Street	ROAD / PATH	115.53	Concrete_Path	$ 167	$ 19,236	Douglas Shire South (TR1)	1	$ 19,236			$ 20	$ -	2009	1.05	$ 20,266	Y	
37062_2	FPE129	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	39.994	Concrete_Path	$ 167	$ 6,659	Douglas Shire South (TR1)	1	$ 6,659			$ 20	$ -	2009	1.05	$ 7,016	Y	
37076_2	FPE130	Concrete_Path	New Wonga Esplanade	Concrete_Path_New Wonga Esplanade	ROAD / PATH	21.29	Concrete_Path	$ 167	$ 3,545	Douglas Shire South (TR1)	1	$ 3,545			$ 20	$ -	2009	1.05	$ 3,735	Y	
9104_1	FPE131	Concrete_Path	Fitzmaurice Drive Park	Concrete_Path_Fitzmaurice Drive Park	ROAD / PATH	51.445	Concrete_Path	$ 167	$ 8,566	Douglas Shire South (TR1)	1	$ 8,566			$ 20	$ -	2009	1.05	$ 9,024	Y	
9104_2	FPE132	Concrete_Path	Yumba Cl : Calophyllum Cl	Concrete_Path_Yumba Cl : Calophyllum Cl	ROAD / PATH	105.06	Concrete_Path	$ 167	$ 17,492	Douglas Shire South (TR1)	1	$ 17,492			$ 20	$ -	2009	1.05	$ 18,430	Y	
9101_1	FPE133	Concrete_Path	Timberlea Drive East Park	Concrete_Path_Timberlea Drive East Park	ROAD / PATH	50.904	Concrete_Path	$ 167	$ 8,476	Douglas Shire South (TR1)	1	$ 8,476			$ 20	$ -	2009	1.05	$ 8,930	Y	
9104_3	FPE134	Concrete_Path	Yumba Cl : Calophyllum Cl	Concrete_Path_Yumba Cl : Calophyllum Cl	ROAD / PATH	190.58	Concrete_Path	$ 167	$ 31,732	Douglas Shire South (TR1)	1	$ 31,732			$ 20	$ -	2009	1.05	$ 33,431	Y	
9102_1	FPE135	Concrete_Path	Barka Close Off	Concrete_Path_Barka Close Off	ROAD / PATH	53.434	Concrete_Path	$ 167	$ 8,897	Douglas Shire South (TR1)	1	$ 8,897			$ 20	$ -	2009	1.05	$ 9,373	Y	
33022_6	FPE136	Concrete_Path	Ives Avenue	Concrete_Path_Ives Avenue	ROAD / PATH	51.63	Concrete_Path	$ 167	$ 8,596	Douglas Shire South (TR1)	1	$ 8,596			$ 20	$ -	2009	1.05	$ 9,057	Y	
33022_5	FPE137	Concrete_Path	Ives Avenue	Concrete_Path_Ives Avenue	ROAD / PATH	91.398	Concrete_Path	$ 167	$ 15,218	Douglas Shire South (TR1)	1	$ 15,218			$ 20	$ -	2009	1.05	$ 16,033	Y	
33022_4	FPE138	Concrete_Path	Ives Avenue	Concrete_Path_Ives Avenue	ROAD / PATH	37.691	Concrete_Path	$ 167	$ 6,276	Douglas Shire South (TR1)	1	$ 6,276			$ 20	$ -	2009	1.05	$ 6,612	Y	
9107_1	FPE139	Gravel_Path	Barra Close Off	Gravel_Path_Barra Close Off	ROAD / PATH	43.731	Gravel_Path	$ 32	$ 1,406	Douglas Shire South (TR1)	1	$ 1,406			$ 20	$ -	2009	1.05	$ 1,482	Y	
240417_1	FPE141	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	36.202	Concrete_Path	$ 167	$ 6,028	Douglas Shire North (TR2)	1.4	$ 8,439			$ 20	$ -	2009	1.05	$ 8,891		Y
240426_1	FPE142	Concrete_Path	Res_pathway	Concrete_Path_Res_pathway	ROAD / PATH	46.8	Concrete_Path	$ 167	$ 7,792	Douglas Shire South (TR1)	1	$ 7,792			$ 20	$ -	2009	1.05	$ 8,210	Y	
	FPE143	Concrete_Path	Barrbal Drive	Concrete_Path_Barrbal Drive	ROAD / PATH	172.9	Concrete_Path	$ 167	$ 28,788	Douglas Shire South (TR1)	1	$ 28,788			$ 20	$ -	2009	1.05	$ 30,330	Y	
	FPE144	Concrete_Path	Barrbal Drive	Concrete_Path_Barrbal Drive	ROAD / PATH	89.62	Concrete_Path	$ 167	$ 14,922	Douglas Shire South (TR1)	1	$ 14,922			$ 20	$ -	2009	1.05	$ 15,721	Y	
	FPE145	Concrete_Path	Bayil Drive	Concrete_Path_Bayil Drive	ROAD / PATH	38.379	Concrete_Path	$ 167	$ 6,390	Douglas Shire South (TR1)	1	$ 6,390			$ 20	$ -	2009	1.05	$ 6,732	Y	
	FPE146	Concrete_Path	Bayil Drive	Concrete_Path_Bayil Drive	ROAD / PATH	92.183	Concrete_Path	$ 167	$ 15,348	Douglas Shire South (TR1)	1	$ 15,348			$ 20	$ -	2009	1.05	$ 16,171	Y	
	FPE147	Concrete_Path	Barrbal Drive	Concrete_Path_Barrbal Drive	ROAD / PATH	6.182	Concrete_Path	$ 167	$ 1,029	Douglas Shire South (TR1)	1	$ 1,029			$ 20	$ -	2009	1.05	$ 1,084	Y	
	FPE152	Concrete_Path	Beach Access_from Solander Blvde	Concrete_Path_Beach Access_from Solander Blvde	ROAD / PATH	60.541	Concrete_Path	$ 167	$ 10,080		1	$ 10,080			$ 20	$ -	2009	1.05	$ 10,620	Y	
								$ -	$ -		1	$ -			$ 20	$ -		1.00	$ -		

Douglas Shire Council
Parks and Land for Community Facilities

Return to "Existing Trunk Assets"

EXISTING TRUNK ASSETS

Land Valuation Type	Location

Asset ID	LGIP ID	Asset Class	Address	Description	Unit Rate Type (*)	Unit (*)	Unit Rate	Baseline Valuation	Site/Condition	Multiplier	Gross Value	Land Location/Type	Size of land (ha) (*)	Unit Cost	Land Value	Valuation Year	Escalation	Current Repalcement	Port Douglas (PPLC1)	Mossman (PPLC2)	Cooya Beach (PPLC3)	Newell Beach (PPLC4)	Wonga Beach (PPLC5)	Rural Area - South of Mowbray River	Rural Area - Mowbray River to Mossman	Rural Area - Mossman River to Daintree	Rural Area - North of Daintree River	District Shared Catchments	District Shared Catchments (5,8&9)	Regional Shared Catchments (1-9)	0
Asset Data																			Catchment Asset Allocation												
Basic Asset Data					Asset Attributes		Basic Asset Valuation					Land Attributes				Refined Asset Value															
																			1	2	3	4	5	6	7	8	9	10	11	12	30
Councils ID (from GIS, FAR, AMA etc.)	ID from the LGIP drawings	Local/District Park						May be calculated from unit rates OR unique values can be direct entered										CRC	13,194	2,071	902	445	1,015	516	565	1,309	1,005	17,693	3,329	21,022	
SINGLE CATCHMENT ASSETS								Cost of Park Embelishments																							
	PPLC001	Conservation	Cooya Beach	Jim Holdsworth Park			$0	$ 64,201		1	$ 64,201		1.51		$ -	2011	1.00	$ 64,201			Y										
	PPLC002	Local Recreation Park	Daintree	Daintree Town Boat Ramp Area			$0	$ 6,700		1	$ 6,700		0.32		$ -	2011	1.00	$ 6,700								Y					
	PPLC003	Local Recreation Park	Daintree	Pioneer Park			$0	$ 33,840		1	$ 33,840		0.24		$ -	2011	1.00	$ 33,840								Y					
	PPLC004	Other Open Space	Daintree	Daintree Toilets			$0	$ 145,602		1	$ 145,602		0.06		$ -	2011	1.00	$ 145,602								Y					
	PPLC005	Land for Drainage Purposes	Newell	Jimal Park			$0	$ 1,400		1	$ 1,400		0.11		$ -	2011	1.00	$ 1,400				Y									
	PPLC006	Local Recreation Park	Newell	Phil Lunn Park			$0	$ 12,400		1	$ 12,400		0.38		$ -	2011	1.00	$ 12,400				Y									
	PPLC007	Conservation	Newell	Newell Beach Esplanade			$0	$ -		1	$ -		1.26		$ -		1.00	$ -				Y									
	PPLC008	Conservation	Newell	Newell Beach Esplanade			$0	$ -		1	$ -		0.97		$ -		1.00	$ -				Y									
	PPLC009	District Recreation Park	Newell	Newell Beach Esplanade			$0	$ 2,500		1	$ 2,500		1.76		$ -	2011	1.00	$ 2,500				Y									
	PPLC010	Conservation	Wangetti	Wangetti Esplanade			$0	$ -		1	$ -		24.19		$ -		1.00	$ -						Y							
	PPLC011	District Recreation Park	Wangetti	Wangetti Beach Access			$0	$ 2,200		1	$ 2,200		0.36		$ 35,650	2011	1.00	$ 37,850						Y							
	PPLC012	Conservation	Wangetti	Wangetti (West Of Cook Hwy)			$0	$ -		1	$ -		3.55		$ -		1.00	$ -						Y							
	PPLC013	Conservation	Wonga	New Wonga Esplanade			$0	$ -		1	$ -		0.21		$ -		1.00	$ -					Y								
	PPLC014	Conservation	Wonga	New Wonga Esplanade			$0	$ -		1	$ -		0.39		$ -		1.00	$ -					Y								
	PPLC015	Conservation	Wonga	Wonga Esplanade			$0	$ -		1	$ -		1.22		$ -		1.00	$ -					Y								
	PPLC016	Local Recreation Park	Wonga	Bells Park			$0	$ 98,235		1	$ 98,235		0.54		$ -	2011	1.00	$ 98,235					Y								
	PPLC017	Conservation	Wonga	New Wonga Esplanade			$0	$ -		1	$ -		1.45		$ -		1.00	$ -					Y								
	PPLC018	Conservation	Mossman	Unnamed Reserve			$0	$ -		1	$ -		3.14		$ -		1.00	$ -		Y											
	PPLC019	Local Recreation Park	Mossman	Manjal Dimbi (Middlemiss Park)			$0	$ -		1	$ -		0.12		$ 23,200	2011	1.00	$ 23,200		Y											
	PPLC020	Local Recreation Park	Mossman	David Jack Park			$0	$ 23,201		1	$ 23,201		0.06		$ -	2011	1.00	$ 23,201		Y											
	PPLC021	Local Recreation Park	Mossman	Kubirri			$0	$ 36,586		1	$ 36,586		0.68		$ 136,400	2011	1.00	$ 172,986		Y											
	PPLC022	Conservation	Mossman	Shepherd Valley			$0	$ -		1	$ -		0.13		$ -		1.00	$ -		Y											
	PPLC023	Conservation	Mossman	Shepherd Valley			$0	$ -		1	$ -		1.31		$ -		1.00	$ -		Y											
	PPLC024 (i) + (ii)	Land for Drainage Purposes	Craiglie	Buluru/Ulysses Avenue			$0	$ -		1	$ -		0.32		$ -		1.00	$ -	Y												
	PPLC025 (i) + (ii)	District Recreation Park	Craiglie	Willy Pye Memorial (Teamsters) Park			$0	$ 202,594		1	$ 202,594		1.38		$ -	2011	1.00	$ 202,594	Y												
	PPLC026 (i) - (iv)	District Recreation Park	Craiglie	Hutchings Park			$0	$ 134,517		1	$ 134,517		2.92		$ 1,753,200	2011	1.00	$ 1,887,717	Y												
	PPLC027	Conservation	Mowbray	Mowbray River Environment Area			$0	$ -		1	$ -		1.48		$ -		1.00	$ -	Y												
	PPLC028	Conservation	Mowbray	Mowbray River Environment Area			$0	$ -		1	$ -		9.60		$ -		1.00	$ -	Y												
	PPLC029	Land for Drainage Purposes	Port Douglas	Buluru Park			$0	$ 1,400		1	$ 1,400		2.00		$ -	2011	1.00	$ 1,400	Y												
	PPLC030 (i) + (ii)	Land for Drainage Purposes	Port Douglas	Warri Park			$0	$ -		1	$ -		1.28		$ -		1.00	$ -	Y												
	PPLC031	Other Open Space	Port Douglas	Public Toilets			$0	$ 146,402		1	$ 146,402		0.45		$ -	2011	1.00	$ 146,402	Y												
	PPLC032	District Recreation Park	Port Douglas	Island Point Lookout			$0	$ 3,741		1	$ 3,741		0.21		$ 128,580	2011	1.00	$ 132,321	Y												
	PPLC033	Conservation	Port Douglas	Island Point Nature Reserve			$0	$ -		1	$ -		6.81		$ -		1.00	$ -	Y												
	PPLC034	Conservation	Port Douglas	Island Point Nature Reserve			$0	$ -		1	$ -		0.47		$ -		1.00	$ -	Y												
	PPLC035	District Recreation Park	Port Douglas	Julan Park			$0	$ -		1	$ -		0.21		$ -		1.00	$ -	Y												
	PPLC036	District Recreation Park	Port Douglas	4 Mile Beach Esplanade			$0	$ 88,328		1	$ 88,328		1.18		$ -	2011	1.00	$ 88,328	Y												
	PPLC037	Conservation	Port Douglas	4 Mile Beach Esplanade			$0	$ -		1	$ -		2.18		$ -		1.00	$ -	Y												
	PPLC038	Conservation	Port Douglas	Sands Street			$0	$ -		1	$ -		2.66		$ -		1.00	$ -	Y												
	PPLC039	Local Recreation Park	Port Douglas	Jalumbu Park			$0	$ 2,400		1	$ 2,400		0.89		$ -	2011	1.00	$ 2,400	Y												
	PPLC040	Conservation	Port Douglas	4 Mile Beach Esplanade			$0	$ -		1	$ -		2.63		$ -		1.00	$ -	Y												
	PPLC041	District Recreation Park	Port Douglas	Bruno Reidwig Park			$0	$ 96,150		1	$ 96,150		2.25		$ -	2011	1.00	$ 96,150	Y												
	PPLC042	District Recreation Park	Port Douglas	4 Mile Beach Esplanade			$0	$ 145,602		1	$ 145,602		0.99		$ -	2011	1.00	$ 145,602	Y												
	PPLC043	Conservation	Port Douglas	4 Mile Beach Esplanade			$0	$ -		1	$ -		2.23		$ -		1.00	$ -	Y												
	PPLC044	Conservation	Port Douglas	4 Mile Beach Esplanade			$0	$ -		1	$ -		1.71		$ -		1.00	$ -	Y												
	PPLC045	Conservation	Port Douglas	Aboretum			$0	$ 7,500		1	$ 7,500		6.18		$ -	2011	1.00	$ 7,500	Y												
	PPLC046	Land for Drainage Purposes	Port Douglas	Nautilus St Park			$0	$ -		1	$ -		3.08		$ -		1.00	$ -	Y												
	PPLC047	Other Open Space	Port Douglas	No. 9 Ribbon Avenue			$0	$ -		1	$ -		0.08		$ -		1.00	$ -	Y												
	PPLC048	Conservation	Killaloe	Coolalinga Driver			$0	$ -		1	$ -		3.50		$ -		1.00	$ -							Y						
	PPLC049 (i) -> (v)	District Recreation Park	Lower Daintree	Daintree Ferry Area			$0	$ 161,933		1	$ 161,933		4.28		$ -	2011	1.00	$ 161,933								Y					
	PPLC050	Conservation	Miallo	Somerset Drive			$0	$ -		1	$ -		11.63		$ -		1.00	$ -								Y					
	PPLC051	District Recreation Park	Mossman	Rotary Park (Mossman)			$0	$ 192,323		1	$ 192,323		0.91		$ -	2011	1.00	$ 192,323		Y											
	PPLC052	Local Recreation Park	Mossman	North Mossman Park			$0	$ 2,500		1	$ 2,500		0.15		$ -	2011	1.00	$ 2,500								Y					
	PPLC053	Conservation	Mowbray	Mowbray River Environment Area			$0	$ -		1	$ -		27.26		$ -		1.00	$ -						Y							
	PPLC054	District Recreation Park	Rocky Point	Rocky Point Esplanade			$0	$ 6,200		1	$ 6,200		2.00		$ -	2011	1.00	$ 6,200								Y					
	PPLC055	Conservation	Rocky Point	Rocky Point Esplanade			$0	$ 9,900		1	$ 9,900		11.09		$ -	2011	1.00	$ 9,900								Y					
	PPLC056	District Recreation Park	Cow Bay	Cow Bay Esplanade			$0	$ 33,400		1	$ 33,400		0.97		$ 24,135	2011	1.00	$ 57,535									Y				
	PPLC057	Conservation	Wangetti	Wangetti Esplanade			$0	$ -		1	$ -		26.48		$ -		1.00	$ -						Y							
	PPLC058	Conservation	Wangetti	Cook Hwy Reserve			$0	$ -		1	$ -		40.27		$ -		1.00	$ -						Y							
	PPLC059	Conservation	Wangetti	Cook Hwy Reserve			$0	$ -		1	$ -		51.32		$ -		1.00	$ -						Y							
	PPLC060	Conservation	Wangetti	Wangetti Esplanade			$0	$ -		1	$ -		140.06		$ -		1.00	$ -						Y							
	PPLC066	District Recreation Park	Cooya Beach	Jim Holdsworth Park			$0	$ 212,138		1	$ 212,138		2.33		$ -	2011	1.00	$ 212,138			Y										
	PPLC067	District Recreation Park	Newell	Newell Beach Esplanade			$0	$ 341,359		1	$ 341,359		3.61		$ -	2011	1.00	$ 341,359				Y									
	PPLC068	District Recreation Park	Wonga	Wonga Community Park			$0	$ 98,471		1	$ 98,471		3.83		$ 383,270	2011	1.00	$ 481,741					Y								
	PPLC069	Local Government Wide Recreation Park	Mossman	George Davis Park			$0	$ 421,330		1	$ 421,330		1.44		$ 143,610	2011	1.00	$ 564,940		Y											
	PPLC070	District Recreation Park	Port Douglas	4 Mile Park			$0	$ 259,738		1	$ 259,738		1.42		$ -	2011	1.00	$ 259,738	Y												
	PPLC071	District Recreation Park	Port Douglas	Rex Smeal Park			$0	$ 305,185		1	$ 305,185		1.30		$ 778,200	2011	1.00	$ 1,083,385	Y												

Douglas Shire Council
Parks and Land for Community Facilities

Return to "Existing Trunk Assets"

EXISTING TRUNK ASSETS

Land Valuation Type	Location

Asset ID	LGIP ID	Asset Class	Address	Description	Unit Rate Type (*)	Unit (*)	Unit Rate	Baseline Valuation	Site/Condition	Multiplier	Gross Value	Land Location/Type	Size of land (ha) (*)	Unit Cost	Land Value	Valuation Year	Escalation	Current Repalcemen
Asset Data – Basic Asset Data					Asset Attributes		Basic Asset Valuation					Land Attributes				Refined Asset Value		
Councils ID (from GIS, FAR, AMA etc.)	ID from the LGIP drawings	Local/District Park						May be calculated from unit rates OR unique values can be direct entered										CRC
MULTIPLE CATCHMENT (REGIONAL) ASSETS								Cost of Park Embelishments										
	PPLC072	Community Facilities	Cooya Beach	Community Facilities			$0	$ -		1	$ -		0.00		$ -		1.00	$ -
	PPLC073	Community Facilities	Newell	Community Facilities			$0	$ 4,100		1	$ 4,100		1.58		$ -	2011	1.00	$ 4,100
	PPLC074	District Sports Park	Wangetti	District Sports Park			$0	$ -		1	$ -		1.26		$ 125,700	2011	1.00	$ 125,700
	PPLC075	Community Facilities	Port Douglas	Community Facilities			$0	$ -		1	$ -		1.89		$ 567,480	2011	1.00	$ 567,480
	PPLC076	Community Facilities	Port Douglas	Community Facilities			$0	$ 71,272		1	$ 71,272		0.10		$ -	2011	1.00	$ 71,272
	PPLC077	Community Facilities	Port Douglas	Community Facilities			$0	$ -		1	$ -		0.33		$ -		1.00	$ -
	PPLC078	Community Facilities	Port Douglas	Community Facilities			$0	$ -		1	$ -		0.69		$ 206,820	2011	1.00	$ 206,820
	PPLC079	Community Facilities	Port Douglas	Community Facilities			$0	$ 7,457		1	$ 7,457		0.18		$ -	2011	1.00	$ 7,457
	PPLC080	District Sports Park	Port Douglas	District Sports Park			$0	$ 13,959		1	$ 13,959		1.72		$ -	2011	1.00	$ 13,959
	PPLC081	District Sports Park	Port Douglas	District Sports Park			$0	$ 39,159		1	$ 39,159		0.56		$ -	2011	1.00	$ 39,159
	PPLC082	Community Facilities	Port Douglas	Community Facilities			$0	$ -		1	$ -		0.00		$ -		1.00	$ -
	PPLC083	District Sports Park	Cassowary	District Sports Park			$0	$ 7,500		1	$ 7,500		1.85		$ -	2011	1.00	$ 7,500
	PPLC084	Community Facilities	Newell	Community Facilities			$0	$ -		1	$ -		0.00		$ -		1.00	$ -
	PPLC086 (i) - (ii)	Local Government Wide Sports Park	Mossman	Local Government Wide Sports Park			$0	$ 193,687		1	$ 193,687		6.74		$ -	2011	1.00	$ 193,687
	PPLC087	District Sports Park	Port Douglas	District Sports Park			$0	$ 228,019		1	$ 228,019		8.75		$ 5,247,660	2011	1.00	$ 5,475,679
	PPLC088	Community Facilities	Daintree	Community Facilities			$0	$ -		1	$ -		0.00		$ -		1.00	$ -
	PPLC089	Community Facilities	Lower Daintree	Community Facilities			$0	$ -		1	$ -		0.00		$ -		1.00	$ -
	PPLC090	District Sports Park	Forest Creek	District Sports Park			$0	$ -		1	$ -		0.82		$ -		1.00	$ -
	PPLC091	Community Facilities	Forest Creek	Community Facilities			$0	$ 68,704		1	$ 68,704		0.58		$ -	2011	1.00	$ 68,704
	PPLC093	District Sports Park	Daintree	District Sports Park			$0	$ 165,233		1	$ 165,233		3.03		$ -	2011	1.00	$ 165,233
	PPLC094	District Sports Park	Diwan	District Sports Park			$0	$ 222,002		1	$ 222,002		9.94		$ -	2011	1.00	$ 222,002
	PPLC095	Community Facilities	Mossman	Community Facilities			$0	$ -		1	$ -		0.41		$ -		1.00	$ -
	PPLC096	Community Facilities	Port Douglas	Community Facilities			$0	$ -		1	$ -		0.07		$ -		1.00	$ -
	PPLC097	Community Facilities	Port Douglas	Community Facilities			$0	$ -		1	$ -		0.26		$ 78,990	2011	1.00	$ 78,990
	PPLC098	Local Government Wide Recreation Park	Port Douglas	Local Government Wide Recreation Park			$0	$ 80,082		1	$ 80,082		1.78		$ 532,710	2011	1.00	$ 612,792
							$0	$ -		1	$ -				$ -		1.00	$ -
							$0	$ -		1	$ -				$ -		1.00	$ -

Catchment Asset Allocation

LGIP ID	1 Port Douglas (PPLC1)	2 Mossman (PPLC2)	3 Cooya Beach (PPLC3)	4 Newell Beach (PPLC4)	5 Wonga Beach (PPLC5)	6 Rural Area - South of Mowbray River	7 Rural Area - Mowbray River to Mossman	8 Rural Area - Mossman River to Daintree	9 Rural Area - North of Daintree River	10 District Shared Catchments	11 District Shared Catchments (5,8&9)	12 Regional Shared Catchments (1-9)	30 0
	13,194	2,071	902	445	1,015	516	565	1,309	1,005	17,693	3,329	21,022	
PPLC072	Y	Y	Y	Y		Y	Y			Y			
PPLC073	Y	Y	Y	Y		Y	Y			Y			
PPLC074	Y	Y	Y	Y		Y	Y			Y			
PPLC075	Y	Y	Y	Y		Y	Y			Y			
PPLC076	Y	Y	Y	Y		Y	Y			Y			
PPLC077	Y	Y	Y	Y		Y	Y			Y			
PPLC078	Y	Y	Y	Y		Y	Y			Y			
PPLC079	Y	Y	Y	Y		Y	Y			Y			
PPLC080	Y	Y	Y	Y		Y	Y			Y			
PPLC081	Y	Y	Y	Y		Y	Y			Y			
PPLC082	Y	Y	Y	Y		Y	Y			Y			
PPLC083	Y	Y	Y	Y		Y	Y			Y			
PPLC084	Y	Y	Y	Y		Y	Y			Y			
PPLC086 (i) - (ii)	Y	Y	Y	Y		Y	Y			Y			
PPLC087	Y	Y	Y	Y		Y	Y			Y			
PPLC088					Y			Y	Y		Y		
PPLC089					Y			Y	Y		Y		
PPLC090					Y			Y	Y		Y		
PPLC091					Y			Y	Y		Y		
PPLC093					Y			Y	Y		Y		
PPLC094					Y			Y	Y		Y		
PPLC095	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	
PPLC096	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	
PPLC097	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	
PPLC098	Y	Y	Y	Y	Y	Y	Y	Y	Y			Y	

Douglas Shire Council

Future Trunk Assets

Water Supply

Transportation

Sewerage

Parks & Community Facilities

Douglas Shire Council
Wastewater

Future Trunk Assets

Return to "Future Trunk Assets"

Data Refernces	Refer Extrinsic Material

Land Valuation Type	Location

Asset Data

Basic Asset Data

Asset ID	LGIP ID	Asset Type (*)	Asset Class	Asset Name	Description
Councils ID (from GIS, FAR, AMA etc.)	ID from the LGIP drawings		Pump Station, Gravity Main, Rising Main etc		
ACTIVE ASSETS					
	SPSF001	Active	Pump Station	SPSF001_Andreassen Road Pump Station	Andreassen Road Pump Station
	SPSF002	Active	Pump Station	SPSF002_Marlin Drive Pump Station	Marlin Drive Pump Station
	SPSF003	Active	Pump Station	SPSF003_Miallo Pump Station	Miallo Pump Station
	SPSF004	Active	Pump Station	SPSF004_Newell Road Pump Station	Newell Road Pump Station
	SPSF005	Active	Pump Station	SPSF005_Rankin Street Pump Station	Rankin Street Pump Station
	SPSF006	Active	Pump Station	SPSF006_Mossman WWTP Reuse Pump Station Stage 2	Mossman WWTP Reuse Pump Station Stage 2
	SPSF007	Active	Pump Station	SPSF007_Mossman Golf Course Reuse Pump Station	Mossman Golf Course Reuse Pump Station
	SPSF008	Active	Pump Station_Upgrade	SPSF008_Existing Mossman WWTP PS Upgrade	Existing Mossman WWTP PS Upgrade
	SSFF001	Active	Storage Facility	SSFF001_Mossman Golf Club Reuse Storage Facility - 3 ML	Mossman Golf Club Reuse Storage Facility - 3 ML
	SSFF002	Active	Storage Facility	SSFF002_Mossman WWTP reuse Storage Facility - 1 ML	Mossman WWTP reuse Storage Facility - 1 ML
	STPF001	Active	Treatment Plant_Upgrade	STPF001_Interim Mossman WWTP Upgrade - Regulate flowsUPGRAD	Interim Mossman WWTP Upgrade - Regulate flows
	STPF002	Active	Treatment Plant_Upgrade	STPF002_Interim Mossman WWTP Upgrade - Alternative sludge infra	Interim Mossman WWTP Upgrade - Alternative sludge infrastructure
	STPF003	Active	Treatment Plant_Upgrade	STPF003_Mossman WWTP Upgrade Stage 1 including Effluent reuse &	Mossman WWTP Upgrade Stage 1 including Effluent reuse PS Stage 1
	STPF004	Active	Treatment Plant_Upgrade	STPF004_Mossman WWTP Upgrade Stage 2UPGRADE	Mossman WWTP Upgrade Stage 2
PASSIVE ASSETS					
	EMF001	Passive	Effluent Rising Main	EMF001_Effluent Rising Main_100 mm dia_Trunk	EMF001_Effluent Rising Main_100 mm dia_PVC
	RMF001	Passive	Low Pressure Main	RMF001_Low Pressure Main_150 mm dia_Trunk	RMF001_Low Pressure Main_110 mm dia_PVC
	RMF002	Passive	Low Pressure Main	RMF002_Low Pressure Main_100 mm dia_Trunk	RMF002_Low Pressure Main_110 mm dia_PVC
	RMF003	Passive	Low Pressure Main	RMF003_Low Pressure Main_100 mm dia_Trunk	RMF003_Low Pressure Main_160 mm dia_PVC
	RMF004	Passive	Rising Main	RMF004_Rising Main_100 mm dia_Trunk	RMF004_Rising Main_200 mm dia_PVC
	RMF005	Passive	Rising Main	RMF005_Rising Main_100 mm dia	RMF005_Rising Main_100 mm dia_PVC
	RMF067	Passive	Rising Mains	RMF067_Rising Mains_250 mm dia_Wonga_Trunk	RMF067_Rising Mains_250 mm dia_Wonga_PVC_Wonga_Beach
	RMF068	Passive	Rising Mains	RMF068_Rising Mains_150 mm dia_Craiglie_Trunk	RMF068_Rising Mains_150 mm dia_PVC_Craiglie
	RMF069	Passive	Rising Mains	RMF069_Rising Mains_150 mm dia_Wonga_Trunk	RMF069_Rising Mains_150 mm dia_Wonga_PVC_Wonga_Beach
	RMF067	Passive	Rising Mains	RMF067_Rising Mains_250 mm dia_Wonga_Trunk	RMF067_Rising Mains_250 mm dia_Wonga_PVC_Wonga_Beach
	RMF068	Passive	Rising Mains	RMF068_Rising Mains_150 mm dia_Wonga_Trunk	RMF068_Rising Mains_150 mm dia_Wonga_PVC_Craiglie
	RMF069	Passive	Rising Mains	RMF069_Rising Mains_150 mm dia_Wonga_Trunk	RMF069_Rising Mains_150 mm dia_Wonga_PVC_Wonga_Beach

Asset Attributes

Unit Rate Type (*)	Length/unit (*)	Diameter (*)	Depth (*)
Rising Mains	4984.59	100	1.5m-3.0m
Rising Mains	1121.36	150	1.5m-3.0m
Rising Mains	595.06	100	1.5m-3.0m
Rising Mains	264.95	100	1.5m-3.0m
Rising Mains	272.04	100	1.5m-3.0m
Rising Mains	282.79	100	1.5m-3.0m
Rising Mains	4787.94	250	1.5m-3.0m
Rising Mains	1138.79	150	1.5m-3.0m
Rising Mains	240.98	150	1.5m-3.0m
Rising Mains	4787.94	250	1.5m-3.0m
Rising Mains	1138.79	150	1.5m-3.0m
Rising Mains	240.98	150	1.5m-3.0m

Land Attributes

Land Location/Type	Size of land (ha) (*)	Unit Cost	Land Value
			$ -
			$ -
			$ -
		$ 20	$ -
		$ 20	$ -
		$ 20	$ -
		$ 20	$ -
		$ 20	$ -
		$ 20	$ -
		$ 20	$ -
		$ 20	$ -
		$ 20	$ -
		$ 20	$ -
		$ 20	$ -
		$ 20	$ -

Basic Asset Valuation

Unit Rate	Baseline Valuation	Valuation Year	Base Est Escalation	Site/Condition	Multiplier	Contingency Cost	Project Owners Cost	Gross Value
	May be calculated from unit rates OR unique values can be direct entered							
$ -	$ 318,219	2006	1.25		1	15.0%	20%	$ 549,887
$ -	$ 336,403	2006	1.25		1	20.0%	20%	$ 606,584
$ -	$ 336,403	2006	1.25		1	20.0%	20%	$ 606,584
	$ 318,219	2006	1.25		1	15.0%	20%	$ 549,887
	$ 318,219	2006	1.25		1	20.0%	20%	$ 573,795
	$ 318,219	2006	1.25		1	20.0%	20%	$ 573,795
	$ 318,219	2006	1.25		1	20.0%	20%	$ 573,795
	$ 318,219	2006	1.25		1	20.0%	20%	$ 573,795
	$ 272,759	2006	1.25		1	20.0%	20%	$ 491,824
	$ 909,197	2006	1.25		1	20.0%	20%	$ 1,639,415
	$ 213,618	2006	1.25		1	7.5%	20%	$ 345,061
	$ 808,091	2006	1.25		1	7.5%	20%	$ 1,305,324
	$ 12,885,441	2006	1.25		1	20.0%	20%	$ 23,234,332
	$ 3,264,235	2006	1.25		1	20.0%	20%	$ 5,885,893
$ 155	$ 773,160	2011	1.00		1	20.0%	20%	$ 1,113,350
$ 193	$ 216,636	2011	1.00		1	20.0%	20%	$ 311,955
$ 155	$ 92,300	2011	1.00		1	20.0%	20%	$ 132,912
$ 155	$ 41,096	2011	1.00		1	20.0%	20%	$ 59,179
$ 155	$ 42,196	2011	1.00		1	15.0%	20%	$ 58,231
$ 155	$ 43,864	2011	1.00		1	20.0%	20%	$ 63,164
$ 287	$ 1,375,432	2011	1.00		1	20.0%	20%	$ 1,980,621
$ 193	$ 220,003	2012	1.00		1	15.0%	20%	$ 303,604
$ 193	$ 46,555	2013	1.00		1	20.0%	20%	$ 67,039
$ 287	$ 1,375,432	2006	1.25		1	15.0%	20%	$ 2,376,766
$ 193	$ 220,003	2006	1.25		1	15.0%	20%	$ 380,168
$ 193	$ 46,555	2006	1.25		1	20.0%	20%	$ 83,945
$ -			1.00		1			

Refined Asset Value

Year provided (*)	Escalation	Discounting	% Renewal	Gross Cost (escalated)	Present Day Value
			% of cost which is renewal related	Gross cost (used for CF forecasts)	Adjusted Current Day Value
2021	1.46	0.55	0%	$801,531	$ 437,151
2031	2.12	0.30	0%	$1,288,797	$ 383,359
2031	2.12	0.30	0%	$1,288,797	$ 383,359
2021	1.46	0.55	100%	$0	$ -
2031	2.12	0.30	200%	-$1,219,132	-$ 362,637
2031	2.12	0.30	300%	-$2,438,263	-$ 725,274
2031	2.12	0.30	400%	-$3,657,395	-$ 1,087,910
2031	2.12	0.30	500%	-$4,876,527	-$ 1,450,547
2031	2.12	0.30	600%	-$5,224,847	-$ 1,554,157
2031	2.12	0.30	700%	-$20,899,396	-$ 6,216,629
2011	1.00	1.00	800%	-$2,415,428	-$ 2,415,428
2015	1.16	0.78	900%	-$12,141,353	-$ 9,526,894
2027	1.83	0.38	1000%	-$382,126,870	-$ 144,858,691
2031	2.12	0.30	1100%	-$125,056,398	-$ 37,198,647
2031	2.12	0.30	0%	$2,365,513	
2031	2.12	0.30	0%	$662,805	$ 197,155
2031	2.12	0.30	0%	$282,395	$ 84,000
2031	2.12	0.30	0%	$125,736	$ 37,401
2017	1.25	0.70	0%	$73,003	$ 50,742
2031	2.12	0.30	0%	$134,202	$ 39,919
2031	2.12	0.30	0%	$4,208,187	$ 1,251,746
2021	1.46	0.55	0%	$442,542	$ 241,360
2031	2.12	0.30	0%	$142,437	$ 42,368
2021	1.46	0.55	0%	$3,464,442	$ 1,889,487
2021	1.46	0.55	0%	$554,144	$ 302,227
2026	1.76	0.40	0%	$147,729	$ 59,502
	0.00	1.00	0%	$0	$ -

Catchment Asset Allocation

	1	2	3	4	5	6
	PORT DOUGLAS (S1)	MOSSMAN (S2)	COOYA BEACH (S3)	NEWELL BEACH (S4)	WONGA BEACH / ROCKY POINT (S5)	SHARED TREATMENT (S2-S5)
	21,153	8,941	1,860	912	2,244	11,546
		Y				
Y						
					Y	
				Y	Y	
					Y	
	Y	Y	Y	Y	Y	Y
	Y	Y	Y	Y	Y	Y
	Y	Y	Y	Y	Y	Y
	Y	Y	Y	Y	Y	Y
	Y	Y	Y	Y	Y	Y
	Y	Y	Y	Y	Y	Y
	Y	Y	Y	Y	Y	Y
	Y	Y	Y	Y	Y	Y
	Y	Y	Y	Y	Y	Y
	Y	Y	Y	Y	Y	Y
		Y				
		Y				
		Y				
		Y				
		Y				
		Y				
		Y				
		Y				
		Y				
		Y				
		Y				
		Y				

Douglas Shire Council
Parks and Land for Community Facilities

Return to "Future Trunk Assets"

Future Trunk Assets

Data Refernces	Refer Extrinsic Material

Land Valuation Type	Location

Asset Data

Basic Asset Data

Asset ID	LGIP ID	Asset Class	Address	Description
Councils ID (from GIS, FAR, AMA etc.)	ID from the LGIP drawings	Local/District Park		

Asset Attributes

Unit Rate Type (*)	Unit (*)

Land Attributes

Land Location/Type	Size of land (ha) (*)	Unit Cost (m2)	Land Value* (* Post 1990s chargeable)
		$ 20	$ -
Mossman and Environs	0.564	$ 20	$ 112,800
New Local Park	1	$ 20	$ 200,000
New Local Park	1	$ 304	$ 600,000
Port Douglas and Environs	0.5	$ 304	$ 300,000
Coastal Suburbs, Villages and Townships (Cooya Beach)	2.3301	$ 33	$ -
Coastal Suburbs, Villages and Townships (Newell Beach)	3.6125	$ 336	$ -
Coastal Suburbs, Villages and Townships (Wonga Beach)	3.8327	$ 48	$ -
Mossman and Environs	1.4361	$ 20	$ -
Port Douglas and Environs	1.4176	$ 304	$ -
Port Douglas and Environs	1.297	$ 304	$ -
Coastal Suburbs, Villages and Townships (Cooya Beach)	3	$ 33	$ 150,000
Mossman and Environs	6.7359	$ 20	$ -
Port Douglas and Environs	8.7461	$ 304	$ -
Coastal Suburbs, Villages and Townships (Wonga Beach)	1.5	$ 48	$ 150,000
Coastal Suburbs, Villages and Townships (Daintree Township)	3.0277	$ 17	$ -
Coastal Suburbs, Villages and Townships (Daintree Township)	9.9414	$ 17	$ -
		$ 20	$ -

Basic Asset Valuation

Unit Rate	Baseline Valuation	Valuation Year	Base Est Escalation	Site/Condition	Multiplier	Contingency Cost	Project Owners Cost	Gross Value
	May be calculated from unit rates OR unique values can be direct entered							
$0	$ 51,827	2006	1.25		1	15.0%	20%	$ 89,558
$0	$ 645,213	2006	1.25		1	15.0%	20%	$ 1,114,937
$0	$ 645,213	2006	1.25		1	20.0%	20%	$ 1,163,412
$0	$ 139,338	2006	1.25		1	20.0%	20%	$ 251,246
$0	$ 473,038	2006	1.25		1	15.0%	20%	$ 817,416
$0	$ 283,823	2006	1.25		1	15.0%	20%	$ 490,450
$0	$ 283,823	2006	1.25		1	20.0%	20%	$ 511,773
$0	$ 473,038	2006	1.25		1	20.0%	20%	$ 852,956
$0	$ 473,038	2006	1.25		1	20.0%	20%	$ 852,956
$0	$ 473,038	2006	1.25		1	20.0%	20%	$ 852,956
$0	$ 922,113	2006	1.25		1	15.0%	20%	$ 1,593,424
$0	$ 1,143,654	2006	1.25		1	20.0%	20%	$ 2,062,176
$0	$ 1,269,115	2006	1.25		1	20.0%	20%	$ 2,288,399
$0	$ 521,924	2006	1.25		1	20.0%	20%	$ 941,105
$0	$ 395,257	2006	1.25		1	20.0%	20%	$ 712,707
$0	$ 360,325	2006	1.25		1	20.0%	20%	$ 649,719
$0	$ -		1.00		1			

Refined Asset Value

Year provided (*)	Escalation	Discounting	% Renewal	Gross Cost (escalated)	Present Day Value
			% of cost which is renewal related	Gross cost (used for CF forecasts)	Adjusted Current Day Value
2020	1.40	0.58	0%	$269,309	$ 156,059
2020	1.40	0.58	0%	$1,819,664	$ 1,054,461
2031	2.12	0.30	0%	$3,497,762	$ 1,040,427
2024	1.63	0.45	0%	$835,197	$ 379,763
2020	1.40	0.58	0%	$1,147,427	$ 664,913
2021	1.46	0.55	0%	$714,893	$ 389,899
2022	1.51	0.51	0%	$774,621	$ 397,622
2023	1.57	0.48	0%	$1,340,611	$ 647,672
2024	1.63	0.45	0%	$1,392,090	$ 632,982
2025	1.69	0.43	0%	$1,445,546	$ 618,624
2021	1.46	0.55	0%	$2,518,759	$ 1,373,717
2024	1.63	0.45	0%	$3,365,631	$ 1,530,348
2026	1.76	0.40	0%	$4,027,188	$ 1,622,064
2026	1.76	0.40	0%	$1,880,468	$ 757,412
2025	1.69	0.43	0%	$1,207,860	$ 516,906
2025	1.69	0.43	0%	$1,101,110	$ 471,222
	0.00	1.00	0%	$0	$ -

Catchment Asset Allocation

Port Douglas (PPLC1) 13,194	Mossman (PPLC2) 2,071	Cooya Beach (PPLC3) 902	Newell Beach (PPLC4) 445	Wonga Beach (PPLC5) 1,015	Rural Area - South of Mowbray River 516	Rural Area - Mowbray River to Mossman 565	Rural Area - Mossman River to Daintree 1,309	Rural Area - North of Daintree River 1,005	District Shared Catchments 17,690	Combination of Catchments (5,8&9) 3,329	Regional Shared Catchments (1-9) 11,022
		Y									
	Y										
Y											
		Y									
			Y								
				Y							
Y											
					Y	Y			Y		
Y											
	Y	Y	Y		Y	Y			Y		
	Y	Y	Y		Y	Y			Y		
	Y	Y	Y		Y	Y			Y		
				Y			Y	Y		Y	
							Y	Y			Y

Douglas Shire Council
Transport

Return to "Future Trunk Assets"

Future Trunk Assets

Data Refernces	Refer Extrinsic Material
Land Valuation Type	Location

Asset ID	LGIP ID	Asset Class	Asset Name	Description	Unit Rate Type (*)	Length/unit (*)	Hiercahy/name	Land Location/Type	Size of land (ha) (*)	Unit Cost	Land Value	Unit Rate	Baseline Valuation	Valuation Year	Base Est Escalation	Site/Condition	Multiplier	Contingency Cost	Project Owners Cost	Gross Value	Year provided (*)	Escalation	Discounting	% Renewal	Gross Cost (escalated)	Present Day Value	Douglas Shire South (TR1)	Douglas Shire North (TR2)
Asset Data – Basic Asset Data					Asset Attributes			Land Attributes				Basic Asset Valuation									Refined Asset Value						ment Asset Allo	
Councils ID (from GIS, FAR, AMA etc.)	ID from the LGIP drawings	Arterial, Subarterial, Collector											May be calculated from unit rates OR unique values can be direct entered											% of cost which is renewal related	Gross cost (used for CF forecasts)	Adjusted Current Day Value	131,539	3,261
INTERSECTIONS																												
	ISF001	Priority Intersection	ISF001_Priority Intersection_Bonnie Doon Road - Captain Co	Bonnie Doon Road - Captain Cook Highway (AUL + CHR)	INTERSECTION / STRUCTURES					$ 20	$ -		$ 380,212	2017	1.00	Douglas Shire South _Upgrade (TR1_U)	1.5	20.0%	20%	$ 821,257	2026	1.76	0.40	0%	$1,445,271	$ 582,124	Y	
	ISF002	Priority Intersection Stage 1	ISF002_Priority Intersection Stage 1_Wharf Street - Mowbra	Wharf Street - Mowbray Street (Re-alignment of Mowbray Street + culvert works + AUL +	INTERSECTION / STRUCTURES					$ 20	$ -		$ 380,212	2017	1.00	Douglas Shire South _Upgrade (TR1_U)	1.5	20.0%	20%	$ 821,257	2031	2.12	0.30	0%	$1,744,908	$ 519,032	Y	
										$ 20	$ -	$ -			1.00		1					0.00	1.00		$0	$ -		
STRUCTURES																												
	SCF011	Culvert	Culvert Crossing - Cnr Millman Drive and Downings Street	Upgrade of Existing Sub-standard Culvert Structures to meet flow requirements		200	Structures: Culverts (RCBC: 5x 1200*1800)			$ 20	$ -		$ 395,759	2015	1.00	Douglas Shire South _Upgrade (TR1_U)	1.5	20.0%	20%	$ 854,840	2031	2.12	0.30	85%	$272,439	$ 81,038	Y	
	SCF012	Culvert	Culvert Crossing - Trunk Drainage Line (Wabul Street)			333.3333	Structures: Culverts (RCBC: 16x 1200*900)			$ 20	$ -		$ 659,599	2015	1.00	Douglas Shire South (TR1)	1	20.0%	20%	$ 949,822	2022	1.51	0.51	0%	$1,437,652	$ 737,965	Y	
	SCF013	Trunk Drainage Line	Craiglie - Trunk Drainage Line			400	Trunk Drainage Line			$ 20	$ -		$ 450,000	2015	1.00	Douglas Shire South (TR1)	1	7.5%	20%	$ 580,500	2011	1.00	1.00	0%	$580,500	$ 580,500	Y	
	FPBF001	PEDESTRIAN BRIDGE	JUNCTION CREEK PEDESTRIAN BRIDGE	JUNCTION CREEK	INTERSECTION / STRUCTURES	34.9				$ 20	$ -		$ 510,000	2017	1.00	Douglas Shire South (TR1)	1	15.0%	20%	$ 703,800	2020	1.40	0.58	0%	$987,942	$ 572,494		
ROADS																												
	TRF006	Urban Minor Collector	Andreassen Road	Future	ROAD / PATH	361.22	Urban Major Collector			$ 20	$ -	$ 3,054	$ 1,103,162	2009	1.05	Douglas Shire South (TR1)	1	20.0%	20%	$ 1,673,655	2026	1.76	0.40	0%	$2,945,344	$ 1,186,320	Y	
	TRF007	Urban Minor Collector	Wabul Street	Future	ROAD / PATH	331.94	Urban Major Collector			$ 20	$ -	$ 3,054	$ 1,013,741	2009	1.05	Douglas Shire South (TR1)	1	20.0%	20%	$ 1,537,991	2028	1.90	0.36	0%	$2,918,457	$ 1,041,265	Y	
	TRF008	Urban Minor Collector	Wabul Street	Future	ROAD / PATH	342.36	Urban Major Collector			$ 20	$ -	$ 3,054	$ 1,045,564	2009	1.05	Douglas Shire South (TR1)	1	20.0%	20%	$ 1,586,270	2030	2.05	0.32	0%	$3,245,682	$ 1,025,785	Y	
	TRF009	Urban Minor Collector	Wabul Street	Upgrade	ROAD / PATH	170.88	Urban Major Collector			$ 20	$ -	$ 3,054	$ 521,866	2009	1.05	Douglas Shire South _Upgrade (TR1_U)	1.5	20.0%	20%	$ 1,187,617	2031	2.12	0.30	0%	$2,523,307	$ 750,570	Y	
	TRF010	Urban Minor Collector	Milman Drive	Upgrade	ROAD / PATH	202.89	Urban Major Collector		0.9885	$ 20	$ 197,700	$ 3,054	$ 619,624	2009	1.05	Douglas Shire South _Upgrade (TR1_U)	1.5	20.0%	20%	$ 1,410,087	2026	1.76	0.40	0%	$2,777,119	$ 1,118,563	Y	
	TRF011	Urban Minor Collector	Downing Street	Upgrade	ROAD / PATH	233.45	Urban Major Collector		0.4028	$ 20	$ 80,560	$ 3,054	$ 712,954	2009	1.05	Douglas Shire South _Upgrade (TR1_U)	1.5	20.0%	20%	$ 1,622,480	2026	1.76	0.40	0%	$2,975,741	$ 1,198,563	Y	
	TRF012	Urban Major Collector	Wharf Street	Upgrade	ROAD / PATH	588.81	Urban Major Collector			$ 20	$ -	$ 3,054	$ 1,798,220	2009	1.05	Douglas Shire South _Upgrade (TR1_U)	1.5	20.0%	20%	$ 4,092,235	2022	1.51	0.51	0%	$6,194,011	$ 3,179,462	Y	
	TRF013	Urban Major Collector	Wharf Street	Upgrade	ROAD / PATH	523.63	Urban Major Collector			$ 20	$ -	$ 3,054	$ 1,599,161	2009	1.05	Douglas Shire South _Upgrade (TR1_U)	1.5	20.0%	20%	$ 3,639,233	2022	1.51	0.51	0%	$5,508,348	$ 2,827,503	Y	
	TRF032	Rural Major Collector	Melaleuca Dr & Bougainvillea Street	Upgrade	ROAD / PATH	1111	Rural Major Collector			$ 20	$ -	$ 1,006	$ 1,117,777	2009	1.05	Douglas Shire South _Upgrade (TR1_U)	1.5	20.0%	20%	$ 2,543,741	2031	2.12	0.30	0%	$5,404,637	$ 1,607,636	Y	
	TRF033	Urban Minor Collector	Bougainvillea Street	Upgrade	ROAD / PATH	103.05	Urban Major Collector			$ 20	$ -	$ 3,054	$ 314,714	2009	1.05	Douglas Shire South _Upgrade (TR1_U)	1.5	15.0%	20%	$ 686,357	2021	1.46	0.55	0%	$1,000,453	$ 545,641	Y	
	TRF034	Urban Major Collector	Bougainvillea Street	Upgrade	ROAD / PATH	375.72	Urban Major Collector			$ 20	$ -	$ 3,054	$ 1,147,445	2009	1.05	Douglas Shire South _Upgrade (TR1_U)	1.5	15.0%	20%	$ 2,502,455	2021	1.46	0.55	0%	$3,647,649	$ 1,989,407	Y	
	TRF036	Urban Major Collector	Palm Street	Upgrade	ROAD / PATH	75.116	Urban Major Collector			$ 20	$ -	$ 3,054	$ 229,404	2009	1.05	Douglas Shire South _Upgrade (TR1_U)	1.5	15.0%	20%	$ 500,304	2021	1.46	0.55	0%	$729,258	$ 397,733	Y	
	TRF037	Urban Major Collector	Palm Street	Upgrade	ROAD / PATH	55.159	Urban Major Collector			$ 20	$ -	$ 3,054	$ 168,455	2009	1.05	Douglas Shire South _Upgrade (TR1_U)	1.5	15.0%	20%	$ 367,382	2021	1.46	0.55	0%	$535,507	$ 292,062	Y	
	TRF038	Urban Major Collector	Palm Street	Upgrade	ROAD / PATH	48.733	Urban Major Collector			$ 20	$ -	$ 3,054	$ 148,830	2009	1.05	Douglas Shire South _Upgrade (TR1_U)	1.5	15.0%	20%	$ 324,582	2021	1.46	0.55	0%	$473,121	$ 258,037	Y	
	TRF039	Urban Major Collector	Cooya Beach Road	Upgrade	ROAD / PATH	170.73	Urban Major Collector			$ 20	$ -	$ 3,054	$ 521,408	2009	1.05	Douglas Shire South _Upgrade (TR1_U)	1.5	15.0%	20%	$ 1,137,134	2021	1.46	0.55	0%	$1,657,519	$ 904,002	Y	
	TRF043	Urban Major Collector	Forest Glen Drive	Future	ROAD / PATH	418.27	Urban Major Collector	Mossman and Environs	1.7892	$ 20	$ 353,297	$ 3,054	$ 1,277,392	2009	1.05	Douglas Shire South (TR1)	1	20.0%	20%	$ 1,937,987	2026	1.76	0.40	0%	$3,938,785	$ 1,586,457	Y	
	TRF044	Urban Major Collector	Daintree Horizon Drive	Future	ROAD / PATH	612.95	Urban Major Collector			$ 20	$ -	$ 3,054	$ 1,871,943	2009	1.05	Douglas Shire South (TR1)	1	20.0%	20%	$ 2,840,005	2031	2.12	0.30	0%	$6,034,103	$ 1,794,874	Y	
	TRF075	Urban Minor Collector	Snapper Island Drive	Upgrade	ROAD / PATH	554.02	Rural Minor Collector			$ 20	$ -	$ 724	$ 400,944	2009	1.05	Douglas Shire South _Upgrade (TR1_U)	1.5	20.0%	20%	$ 912,435	2031	2.12	0.30	0%	$1,938,632	$ 576,656	Y	
	TRF076	Urban Minor Collector	Snapper Island Drive	Future	ROAD / PATH	695.45	Urban Minor Collector			$ 20	$ -	$ 2,751	$ 1,913,099	2009	1.05	Douglas Shire South (TR1)	1	20.0%	20%	$ 2,902,445	2031	2.12	0.30	0%	$6,166,768	$ 1,834,336	Y	
	TRF077	Urban Minor Collector	Vixies Road	Upgrade	ROAD / PATH	856.38	Urban Minor Collector			$ 20	$ -	$ 2,751	$ 2,355,799	2009	1.05	Douglas Shire South _Upgrade (TR1_U)	1.5	20.0%	20%	$ 5,361,125	2031	2.12	0.30	0%	$11,390,676	$ 3,388,213	Y	
PATHS																												
	FPF001	TRUNK_PATH	Port Douglas Road	TRUNK_PATH_Port Douglas Road	ROAD / PATH	140.18	Concrete_Path			$ 20	$ -	$ 167	$ 23,340	2009	1.05	Douglas Shire South (TR1)	1	7.5%	20%	$ 31,722	2016	1.21	0.74	0%	$38,298	$ 28,283	Y	
	FPF002	TRUNK_PATH	CAPT COOK HIGHWAY	TRUNK_PATH_CAPT COOK HIGHWAY	ROAD / PATH	173.52	Concrete_Path			$ 20	$ -	$ 167	$ 28,891	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 42,006	2017	1.25	0.70	0%	$52,662	$ 36,603	Y	
	FPF003	TRUNK_PATH	OFF OLD PORT ROAD	TRUNK_PATH_OFF OLD PORT ROAD	ROAD / PATH	757.55	Concrete_Path			$ 20	$ -	$ 167	$ 126,132	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 183,387	2017	1.25	0.70	0%	$229,909	$ 159,802	Y	
	FPF004	TRUNK_PATH	OFF ULYSSES AVENUE	TRUNK_PATH_OFF ULYSSES AVENUE	ROAD / PATH	38.768	Concrete_Path			$ 20	$ -	$ 167	$ 6,455	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 9,385	2017	1.25	0.70	0%	$11,766	$ 8,178	Y	
	FPF005	TRUNK_PATH	OFF ULYSSES AVENUE	TRUNK_PATH_OFF ULYSSES AVENUE	ROAD / PATH	55.144	Concrete_Path			$ 20	$ -	$ 167	$ 9,181	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 13,349	2017	1.25	0.70	0%	$16,736	$ 11,632	Y	
	FPF006	TRUNK_PATH	OFF ULYSSES AVENUE	TRUNK_PATH_OFF ULYSSES AVENUE	ROAD / PATH	44.062	Concrete_Path			$ 20	$ -	$ 167	$ 7,336	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 10,666	2017	1.25	0.70	0%	$13,372	$ 9,295	Y	
	FPF007	TRUNK_PATH	Oriole Street	TRUNK_PATH_Oriole Street	ROAD / PATH	205.28	Concrete_Path			$ 20	$ -	$ 167	$ 34,179	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 49,694	2017	1.25	0.70	0%	$62,301	$ 43,303	Y	
	FPF008	TRUNK_PATH	Brolga Street	TRUNK_PATH_Brolga Street	ROAD / PATH	206.74	Concrete_Path			$ 20	$ -	$ 167	$ 34,422	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 50,047	2017	1.25	0.70	0%	$62,744	$ 43,611	Y	
23039#3	FPF009	TRUNK_PATH	NAUTILUS STREET	TRUNK_PATH_NAUTILUS STREET	ROAD / PATH	98.883	Concrete_Path			$ 20	$ -	$ 167	$ 16,464	2009	1.05	Douglas Shire South (TR1)	1	7.5%	20%	$ 22,376	2016	1.21	0.74	0%	$27,015	$ 19,951	Y	
23039#2	FPF010	TRUNK_PATH	NAUTILUS STREET	TRUNK_PATH_NAUTILUS STREET	ROAD / PATH	55.367	Concrete_Path			$ 20	$ -	$ 167	$ 9,219	2009	1.05	Douglas Shire South (TR1)	1	7.5%	20%	$ 12,529	2016	1.21	0.74	0%	$15,127	$ 11,171	Y	
23039#1	FPF011	TRUNK_PATH	NAUTILUS STREET	TRUNK_PATH_NAUTILUS STREET	ROAD / PATH	184.95	Concrete_Path			$ 20	$ -	$ 167	$ 30,794	2009	1.05	Douglas Shire South (TR1)	1	7.5%	20%	$ 41,853	2016	1.21	0.74	0%	$50,530	$ 37,317	Y	
23045#9	FPF015	TRUNK_PATH	REEF STREET	TRUNK_PATH_REEF STREET	ROAD / PATH	42.699	Concrete_Path			$ 20	$ -	$ 167	$ 7,109	2009	1.05	Douglas Shire South (TR1)	1	7.5%	20%	$ 9,662	2016	1.21	0.74	0%	$11,666	$ 8,615	Y	
23045#8	FPF016	TRUNK_PATH	REEF STREET	TRUNK_PATH_REEF STREET	ROAD / PATH	102.03	Concrete_Path			$ 20	$ -	$ 167	$ 16,988	2009	1.05	Douglas Shire South (TR1)	1	7.5%	20%	$ 23,089	2016	1.21	0.74	0%	$27,875	$ 20,586	Y	
23045#7	FPF017	TRUNK_PATH	REEF STREET	TRUNK_PATH_REEF STREET	ROAD / PATH	94.802	Concrete_Path			$ 20	$ -	$ 167	$ 15,785	2009	1.05	Douglas Shire South (TR1)	1	7.5%	20%	$ 21,453	2016	1.21	0.74	0%	$25,901	$ 19,128	Y	
23045#6	FPF018	TRUNK_PATH	REEF STREET	TRUNK_PATH_REEF STREET	ROAD / PATH	58.402	Concrete_Path			$ 20	$ -	$ 167	$ 9,724	2009	1.05	Douglas Shire South (TR1)	1	7.5%	20%	$ 13,216	2016	1.21	0.74	0%	$15,956	$ 11,784	Y	
23045#5	FPF019	TRUNK_PATH	REEF STREET	TRUNK_PATH_REEF STREET	ROAD / PATH	49.691	Concrete_Path			$ 20	$ -	$ 167	$ 8,274	2009	1.05	Douglas Shire South (TR1)	1	7.5%	20%	$ 11,245	2016	1.21	0.74	0%	$13,576	$ 10,026	Y	
23045#4	FPF020	TRUNK_PATH	REEF STREET	TRUNK_PATH_REEF STREET	ROAD / PATH	27.916	Concrete_Path			$ 20	$ -	$ 167	$ 4,648	2009	1.05	Douglas Shire South (TR1)	1	7.5%	20%	$ 6,317	2016	1.21	0.74	0%	$7,627	$ 5,632	Y	
23038#5	FPF021	TRUNK_PATH	OFF MURPHY STREET	TRUNK_PATH_OFF MURPHY STREET	ROAD / PATH	96.141	Concrete_Path			$ 20	$ -	$ 167	$ 16,007	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 23,274	2018	1.30	0.65	0%	$30,298	$ 19,821	Y	
23038#4	FPF022	TRUNK_PATH	OFF MURPHY STREET	TRUNK_PATH_OFF MURPHY STREET	ROAD / PATH	165.11	Concrete_Path			$ 20	$ -	$ 167	$ 27,491	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 39,970	2018	1.30	0.65	0%	$52,034	$ 34,039	Y	
23042#3	FPF023	TRUNK_PATH	OFF OWEN STREET	TRUNK_PATH_OFF OWEN STREET	ROAD / PATH	60.191	Concrete_Path			$ 20	$ -	$ 167	$ 10,022	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 14,571	2018	1.30	0.65	0%	$18,969	$ 12,409	Y	
23042#3	FPF024	TRUNK_PATH	OFF OWEN STREET	TRUNK_PATH_OFF OWEN STREET	ROAD / PATH	28.443	Concrete_Path			$ 20	$ -	$ 167	$ 4,736	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 6,885	2018	1.30	0.65	0%	$8,964	$ 5,864	Y	
	FPF025	TRUNK_PATH	OFF WARNER STREET	TRUNK_PATH_OFF WARNER STREET	ROAD / PATH	194.85	Concrete_Path			$ 20	$ -	$ 167	$ 32,443	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 47,169	2019	1.35	0.62	0%	$63,764	$ 39,259	Y	
23038#3	FPF026	TRUNK_PATH	OFF MURPHY STREET	TRUNK_PATH_OFF MURPHY STREET	ROAD / PATH	153.75	Concrete_Path			$ 20	$ -	$ 167	$ 25,599	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 37,220	2018	1.30	0.65	0%	$48,454	$ 31,697	Y	
23038#2	FPF027	TRUNK_PATH	OFF MURPHY STREET	TRUNK_PATH_OFF MURPHY STREET	ROAD / PATH	270.11	Concrete_Path			$ 20	$ -	$ 167	$ 44,973	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 65,388	2018	1.30	0.65	0%	$85,124	$ 55,686	Y	
23038#1	FPF028	TRUNK_PATH	OFF MURPHY STREET	TRUNK_PATH_OFF MURPHY STREET	ROAD / PATH	63.534	Concrete_Path			$ 20	$ -	$ 167	$ 10,578	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 15,380	2018	1.30	0.65	0%	$20,022	$ 13,098	Y	
	FPF029	TRUNK_PATH	OFF WARNER STREET	TRUNK_PATH_OFF WARNER STREET	ROAD / PATH	51.275	Concrete_Path			$ 20	$ -	$ 167	$ 8,537	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 12,413	2019	1.35	0.62	0%	$16,780	$ 10,331	Y	
0	FPF030	TRUNK_PATH	Port Douglas Sports Reserve	TRUNK_PATH_Port Douglas Sports Reserve	ROAD / PATH	501.19	Concrete_Path			$ 20	$ -	$ 167	$ 83,448	2009	1.05	Douglas Shire South (TR1)	1	20.0%	20%	$ 126,603	2022	1.51	0.51	0%	$191,626	$ 98,364	Y	
	FPF031	TRUNK_PATH	OFF WHARF STREET	TRUNK_PATH_OFF WHARF STREET	ROAD / PATH	118.15	Concrete_Path			$ 20	$ -	$ 167	$ 19,672	2009	1.05	Douglas Shire South (TR1)	1	20.0%	20%	$ 29,845	2022	1.51	0.51	0%	$45,174	$ 23,188	Y	
11001#1	FPF032	TRUNK_PATH	BONNIE DOON ROAD	TRUNK_PATH_BONNIE DOON ROAD	ROAD / PATH	1424	Concrete_Path			$ 20	$ -	$ 167	$ 237,096	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 344,721	2021	1.46	0.55	0%	$502,475	$ 274,047	Y	
11001#2	FPF033	TRUNK_PATH	BONNIE DOON ROAD	TRUNK_PATH_BONNIE DOON ROAD	ROAD / PATH	1568	Concrete_Path			$ 20	$ -	$ 167	$ 261,072	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 379,580	2021	1.46	0.55	0%	$553,287	$ 301,759	Y	
13040#1	FPF034	TRUNK_PATH	MELALEUCA DRIVE	TRUNK_PATH_MELALEUCA DRIVE	ROAD / PATH	999.15	Concrete_Path			$ 20	$ -	$ 167	$ 166,358	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 241,873	2021	1.46	0.55	0%	$352,561	$ 192,285	Y	
	FPF035	TRUNK_PATH	OFF COOYA BEACH RD	TRUNK_PATH_OFF COOYA BEACH RD	ROAD / PATH	2545	Concrete_Path			$ 20	$ -	$ 167	$ 423,743	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 616,091	2021	1.46	0.55	0%	$898,032	$ 489,782	Y	
13037#5	FPF036	TRUNK_PATH	BOUGAINVILLEA STREET	TRUNK_PATH_BOUGAINVILLEA STREET	ROAD / PATH	119.01	Concrete_Path			$ 20	$ -	$ 167	$ 19,815	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 28,810	2021	1.46	0.55	0%	$41,994	$ 22,903	Y	
13037#4	FPF037	TRUNK_PATH	BOUGAINVILLEA STREET	TRUNK_PATH_BOUGAINVILLEA STREET	ROAD / PATH	99.414	Concrete_Path			$ 20	$ -	$ 167	$ 16,552	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 24,066	2021	1.46	0.55	0%	$35,079	$ 19,132	Y	
13037#3	FPF038	TRUNK_PATH	BOUGAINAVILLEA STEET	TRUNK_PATH_BOUGAINAVILLEA STEET	ROAD / PATH	109.97	Concrete_Path			$ 20	$ -	$ 167	$ 18,310	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 26,621	2021	1.46	0.55	0%	$38,804	$ 21,164	Y	
13037#2	FPF039	TRUNK_PATH	BOUGAINVILLEA STREET	TRUNK_PATH_BOUGAINVILLEA STREET	ROAD / PATH	280.63	Concrete_Path			$ 20	$ -	$ 167	$ 46,725	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 67,935	2021	1.46	0.55	0%	$99,023	$ 54,007	Y	
13037#1	FPF040	TRUNK_PATH	BOUGAINVILLEA STREET	TRUNK_PATH_BOUGAINVILLEA STREET	ROAD / PATH	765.54	Concrete_Path			$ 20	$ -	$ 167	$ 127,462	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 185,321	2021	1.46	0.55	0%	$270,129	$ 147,327	Y	
	FPF041	TRUNK_PATH	Res_pathway	TRUNK_PATH_Res_pathway	ROAD / PATH	39.628	Concrete_Path			$ 20	$ -	$ 167	$ 6,598	2009	1.05	Douglas Shire South (TR1)	1	20.0%	20%	$ 10,010	2022	1.51	0.51	0%	$15,151	$ 7,777	Y	
	FPF042	TRUNK_PATH	DAINTREE HORIZON DRIVE	TRUNK_PATH_DAINTREE HORIZON DRIVE	ROAD / PATH	1020	Concrete_Path			$ 20	$ -	$ 167	$ 169,830	2009	1.05	Douglas Shire South (TR1)	1	20.0%	20%	$ 257,656	2026	1.76	0.40	0%	$453,431	$ 182,632	Y	
13052#2	FPF044	TRUNK_PATH	FOREST GLEN ROAD	TRUNK_PATH_FOREST GLEN ROAD	ROAD / PATH	262.23	Concrete_Path			$ 20	$ -	$ 167	$ 43,661	2009	1.05	Douglas Shire South (TR1)	1	20.0%	20%	$ 66,240	2026	1.76	0.40	0%	$116,572	$ 46,953	Y	
	FPF045	TRUNK_PATH	OFF CORAL SEA DRIVE	TRUNK_PATH_OFF CORAL SEA DRIVE	ROAD / PATH	526.53	Concrete_Path			$ 20	$ -	$ 167	$ 87,667	2009	1.05	Douglas Shire South (TR1)	1	20.0%	20%	$ 133,004	2026	1.76	0.40	0%	$234,064	$ 94,276	Y	
13016#2	FPF046	TRUNK_PATH	OWEN STREET	TRUNK_PATH_OWEN STREET	ROAD / PATH	176.6	Concrete_Path			$ 20	$ -	$ 167	$ 29,404	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 42,751	2021	1.46	0.55	0%	$62,315	$ 33,986	Y	
13016#1	FPF047	TRUNK_PATH	OWEN STREET	TRUNK_PATH_OWEN STREET	ROAD / PATH	117.81	Concrete_Path			$ 20	$ -	$ 167	$ 19,615	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 28,519	2021	1.46	0.55	0%	$41,571	$ 22,672	Y	
13001#2	FPF048	TRUNK_PATH	BOW STREET	TRUNK_PATH_BOW STREET	ROAD / PATH	84.584	Concrete_Path			$ 20	$ -	$ 167	$ 14,083	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 20,476	2021	1.46	0.55	0%	$29,846	$ 16,278	Y	
13011#1	FPF049	TRUNK_PATH	ENID MAY LANE	TRUNK_PATH_ENID MAY LANE	ROAD / PATH	135.72	Concrete_Path			$ 20	$ -	$ 167	$ 22,597	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 32,855	2021	1.46	0.55	0%	$47,890	$ 26,119	Y	
	FPF050	TRUNK_PATH	Manjal Dimbi (Middlemiss Park)	TRUNK_PATH_Manjal Dimbi (Middlemiss Park)	ROAD / PATH	38.149	Concrete_Path			$ 20	$ -	$ 167	$ 6,352	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 9,235	2021	1.46	0.55	0%	$13,461	$ 7,342	Y	
13052#1	FPF055	TRUNK_PATH	FOREST GLEN ROAD	TRUNK_PATH_FOREST GLEN ROAD	ROAD / PATH	47.964	Concrete_Path			$ 20	$ -	$ 167	$ 7,986	2009	1.05	Douglas Shire South (TR1)	1	20.0%	20%	$ 12,116	2026	1.76	0.40	0%	$21,322	$ 8,588	Y	
	FPF056	TRUNK_PATH	GIBLIN STREET	TRUNK_PATH_GIBLIN STREET	ROAD / PATH	71.996	Concrete_Path			$ 20	$ -	$ 167	$ 11,987	2009	1.05	Douglas Shire South (TR1)	1	20.0%	20%	$ 18,186	2031	2.12	0.30	0%	$38,640	$ 11,494	Y	
	FPF057	TRUNK_PATH	SNAPPER ISLAND DRIVE	TRUNK_PATH_SNAPPER ISLAND DRIVE	ROAD / PATH	336.32	Concrete_Path			$ 20	$ -	$ 167	$ 55,997	2009	1.05	Douglas Shire South (TR1)	1	20.0%	20%	$ 84,956	2031	2.12	0.30	0%	$180,504	$ 53,692	Y	
	FPF058	TRUNK_PATH	SNAPPER ISLAND DRIVE	TRUNK_PATH_SNAPPER ISLAND DRIVE	ROAD / PATH	687.78	Concrete_Path			$ 20	$ -	$ 167	$ 114,515	2009	1.05	Douglas Shire South (TR1)	1	20.0%	20%	$ 173,736	2031	2.12	0.30	0%	$369,134	$ 109,801	Y	
	FPF060	TRUNK_PATH	Birdwing Street	TRUNK_PATH_Birdwing Street	ROAD / PATH	72.272	Concrete_Path			$ 20	$ -	$ 167	$ 12,033	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 17,496	2017	1.25	0.70	0%	$21,934	$ 15,246	Y	
	FPF061	TRUNK_PATH	Birdwing Street	TRUNK_PATH_Birdwing Street	ROAD / PATH	70.134	Concrete_Path			$ 20	$ -	$ 167	$ 11,677	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 16,978	2017	1.25	0.70	0%	$21,285	$ 14,795	Y	
	FPF062	TRUNK_PATH	COOYA BEACH ROAD	TRUNK_PATH_COOYA BEACH ROAD	ROAD / PATH	117.39	Concrete_Path			$ 20	$ -	$ 167	$ 19,545	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 28,418	2021	1.46	0.55	0%	$41,422	$ 22,592	Y	
	FPF063	TRUNK_PATH	COOYA BEACH ROAD	TRUNK_PATH_COOYA BEACH ROAD	ROAD / PATH	129.55	Concrete_Path			$ 20	$ -	$ 167	$ 21,570	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 31,361	2021	1.46	0.55	0%	$45,713	$ 24,932	Y	
	FPF065	TRUNK_PATH	Birdwing Street	TRUNK_PATH_Birdwing Street	ROAD / PATH	79.54	Concrete_Path			$ 20	$ -	$ 167	$ 13,243	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 19,255	2017	1.25	0.70	0%	$24,140	$ 16,779	Y	
	FPF066	TRUNK_PATH	Birdwing Street	TRUNK_PATH_Birdwing Street	ROAD / PATH	233.94	Concrete_Path			$ 20	$ -	$ 167	$ 38,951	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 56,632	2017	1.25	0.70	0%	$70,999	$ 49,349	Y	
	FPF067	TRUNK_PATH	WHARF STREET	TRUNK_PATH_WHARF STREET	ROAD / PATH	98.247	Concrete_Path			$ 20	$ -	$ 167	$ 16,358	2009	1.05	Douglas Shire South (TR1)	1	20.0%	20%	$ 24,818	2022	1.51	0.51	0%	$37,564	$ 19,282	Y	
	FPF068	TRUNK_PATH	OFF PATHWAY	TRUNK_PATH_OFF PATHWAY	ROAD / PATH	37.95	Concrete_Path			$ 20	$ -	$ 167	$ 6,319	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 9,187	2017	1.25	0.70	0%	$11,517	$ 8,005	Y	
	FPF069	TRUNK_PATH	GEORGE DAVIS PARK	TRUNK_PATH_GEORGE DAVIS PARK	ROAD / PATH	96.744	Concrete_Path			$ 20	$ -	$ 167	$ 16,108	2009	1.05	Douglas Shire South (TR1)	1	15.0%	20%	$ 23,420	2021	1.46	0.55	0%	$34,137	$ 18,618	Y	
	FPF070	TRUNK_PATH	COARL SEA DRIVE	TRUNK_PATH_COARL SEA DRIVE	ROAD / PATH	102.13	Concrete_Path			$ 20	$ -	$ 167	$ 17,005	2009	1.05	Douglas Shire South (TR1)	1	20.0%	20%	$ 25,798	2026	1.76	0.40	0%	$45,401	$ 18,286	Y	
										$ 20	$ -	$ -	$ -		1.00		1					0.00	1.00		$0	$ -		

Douglas Shire Council
Water Supply

Return to "Future Trunk Assets"

Future Trunk Assets

Data Refernces	Refer Extrinsic Material

Land Valuation Type	Location

Asset Data																																Catchment Asset Allocation					
Basic Asset Data							Asset Attributes			Land Attributes				Basic Asset Valuation										Refined Asset Value													
Asset ID	LGIP ID	Asset Type (*)	Asset Class	Asset Name	Description	Unit Rate Type (*)	Length/Unit (*)	Diameter (*)	Land Location/Type	Size of land (ha) (*)	Unit Cost	Land Value	Unit Rate	Baseline Valuation	Valuation Year	Base Est Escalation	Site/Condition	Multiplier	Contingency Cost	Project Owners Cost	Gross Value	Year provided (*)	Escalation	Discounting	% Renewal	Gross Cost (escalated)	Present Day Value	PORT DOUGLAS (W1)	MOSSMAN (W2)	WHYANBEEL (W3)	DAINTREE (W4)	SHARED TREATMENT (W1&W2)					
																												1	2	3	4	5					
Councils ID (from GIS, FAR, AMA etc.)	ID from the LGIP drawings		Reservoir, Trunk Main, etc.											May be calculated from unit rates OR unique values can be direct entered										% of cost which is renewal related	Gross cost (used for CF forecasts)	Adjusted Current Day Value	25,969	2,319	2,782	334	13,488					
ACTIVE ASSETS																																					
	WIF001	Active	Raw Water Intake	Existing Mossman Intake 2-Stage 1 (Upgrade)	WIF001_Raw Water Intake_Existing Mossman Intake 2-Stage 1 (Upgrade)						$ 20	$ -	$ -	$ 150,000	2006	1.25		1	7.5%	20%	$ 242,298	2016	1.21	0.74	0%	$292,532	$ 216,037	Y		Y			Y				
	WIF001	Active	Raw Water Intake	Existing Mossman Intake 2-Stage2 (Upgrade)	WIF001_Raw Water Intake_Existing Mossman Intake 2-Stage2 (Upgrade)						$ 20	$ -	$ -	$ 750,000	2006	1.25		1	15.0%	20%	$ 1,296,011	2018	1.30	0.65	0%	$1,687,180	$ 1,103,720	Y		Y			Y				
	WRF001	Active	Reservoir	Cooya Reservoir 2 (1.8 ML)	WRF001_Reservoir_Cooya Reservoir 2 (1.8 ML)						$ 20	$ -	$ -	$ 2,100,000	2009	1.05		1	7.5%	20%	$ 2,854,125	3	0.00	1.00	0%	$0	$ 0										
	WRF003	Active	Reservoir	Wonga Beach (1.3 ML)	WRF003_Reservoir_Wonga Beach (1.3 ML)						$ 20	$ -	$ -	$ 346,917	2006	1.25		1	20.0%	20%	$ 625,542	2025	1.69	0.43	0%	$1,060,137	$ 453,688	Y									
	WRF004	Active	Reservoir	Mossman Reservoir (3.3 ML)	WRF004_Reservoir_Mossman Reservoir (3.3 ML)						$ 20	$ -	$ -	$ 1,110,133	2006	1.25		1	7.5%	20%	$ 1,793,218	2011	1.00	1.00	0%	$1,793,218	$ 1,793,218			Y							
PASSIVE ASSETS																																					
	WMF001	Passive	Water Main	WMF001_Water Main_225 mm dia	WMF001_Water Main_225 mm dia_UPVC	Passive	1904	225			$ 20	$ -	$ 257	$ 489,766	2011	1.00		1	7.5%	20%	$ 631,798	2011	1.00	1.00	0%	$631,798	$ 631,798	Y									
	WMF002	Passive	Water Main	WMF002_Water Main_225 mm dia	WMF002_Water Main_225 mm dia_DICL	Passive	469.83	225			$ 20	$ -	$ 257	$ 120,854	2011	1.00		1	7.5%	20%	$ 155,902	2011	1.00	1.00	0%	$155,902	$ 155,902	Y									
	WMF003(i)	Passive	Water Main	Installing 150mm - Interim (to replace 80mm)	WMF003(i)_Water_Main_Interim_150 mm dia_UPVC_Teamster Park to Caravan Park	Passive	110.43	150			$ 20	$ -	$ 193	$ 21,304	2011	1.00		1	7.5%	20%	$ 27,482	2014	1.12	0.83	0%	$30,771	$ 25,654	Y									
	WMF003(ii)	Passive	Water Main	Installing 150mm - Interim (to replace 80mm)	WMF003(ii)_Water_Main_Interim_150 mm dia_UPVC_Caravan Park to Creek	Passive	736.24	150			$ 20	$ -	$ 193	$ 142,035	2014	1.00		1	15.0%	20%	$ 196,009	2017	1.25	0.70	0%	$245,733	$ 170,801	Y									
	WMF003(iii)	Passive	Water Main	Installing 150mm - Interim (to replace 80mm)	WMF003(iii)_Water_Main_Interim_150 mm dia_UPVC_Creek to Resevoir	Passive	1016	150			$ 20	$ -	$ 193	$ 196,007	2015	1.00		1	15.0%	20%	$ 270,489	2019	1.35	0.62	0%	$365,652	$ 225,131	Y									
	WMF003	Passive	Water Main	WMF003_Water Main_225 mm dia	WMF003_Water Main_225 mm dia_UPVC (Ultimate Upgrade)	Passive	1863	225			$ 20	$ -	$ 257	$ 479,219	2016	1.00		1	7.5%	20%	$ 618,193	2012	1.04	0.94	0%	$641,932	$ 604,171	Y									
	WMF004	Passive	Water Main	WMF004_Water Main_450 mm dia	WMF004_Water Main_450 mm dia_DICL	Passive	970	450			$ 20	$ -	$ 675	$ 654,963	2011	1.00		1	20.0%	20%	$ 943,147	2026	1.76	0.40	0%	$1,659,777	$ 668,522	Y									
	WMF005	Passive	Water Main	WMF005_Water Main_225 mm dia	WMF005_Water Main_225 mm dia_UPVC	Passive	955.38	225			$ 20	$ -	$ 257	$ 245,752	2011	1.00		1	7.5%	20%	$ 317,021	2011	1.00	1.00	0%	$317,021	$ 317,021	Y			Y							
	WMF006	Passive	Water Main	WMF006_Water Main_225 mm dia	WMF006_Water Main_225 mm dia_UPVC	Passive	603.91	225			$ 20	$ -	$ 257	$ 155,344	2011	1.00		1	7.5%	20%	$ 200,393	2011	1.00	1.00	0%	$200,393	$ 200,393	Y			Y							
	WMF007(i)	Passive	Water Main	WMF007(i)_Water Main_150 mm dia	WMF007_Water Main_150 mm dia_UPVC	Passive	4025	150			$ 20	$ -	$ 193	$ 776,503	2011	1.00		1	7.5%	20%	$ 1,001,689	2011	1.00	1.00	0%	$1,001,689	$ 1,001,689	Y									
	WMF007(ii)	Passive	Water Main	WMF007(ii)_Water Main_225 mm dia	WMF007A_Water Main_225 mm dia_UPVC	Passive	976.4	225			$ 20	$ -	$ 257	$ 251,159	2011	1.00		1	7.5%	20%	$ 323,996	2011	1.00	1.00	0%	$323,996	$ 323,996				Y						
	WMF008	Passive	Water Main	WMF008_Water Main_225 mm dia	WMF008_Water Main_225 mm dia_DICL	Passive	3604	225			$ 20	$ -	$ 257	$ 927,057	2011	1.00		1	7.5%	20%	$ 1,195,903	2011	1.00	1.00	0%	$1,195,903	$ 1,195,903		Y								
	WMF009	Passive	Water Main	WMF009_Water Main_300 mm dia	WMF009_Water Main_300 mm dia_DICL	Passive	3	300			$ 20	$ -	$ 325	$ 974	2011	1.00		1	20.0%	20%	$ 1,402	2026	1.76	0.40	0%	$2,467	$ 994				Y						
	WMF010	Passive	Water Main	WMF010_Water Main_450 mm dia	WMF010_Water Main_450 mm dia_DICL	Passive	2717	450			$ 20	$ -	$ 675	$ 1,834,573	2011	1.00		1	20.0%	20%	$ 2,641,785	2026	1.76	0.40	0%	$4,649,086	$ 1,872,551				Y						
	WMF011	Passive	Water Main	WMF011_Water Main_450 mm dia	WMF011_Water Main_450 mm dia_DICL	Passive	5246	450			$ 20	$ -	$ 675	$ 3,542,204	2011	1.00		1	20.0%	20%	$ 5,100,774	2026	1.76	0.40	0%	$8,976,484	$ 3,615,532				Y						
	WMF012	Passive	Water Main	WMF012_Water Main_225 mm dia	WMF012_Water Main_225 mm dia_DICL	Passive	215	225			$ 20	$ -	$ 257	$ 55,304	2011	1.00		1	7.5%	20%	$ 71,343	2014	1.12	0.83	0%	$79,881	$ 66,597				Y						
	WMF013	Passive	Water Main	WMF013_Water Main_225 mm dia	WMF013_Water Main_225 mm dia_DICL	Passive	202	225			$ 20	$ -	$ 257	$ 51,960	2011	1.00		1	7.5%	20%	$ 55,857	2011	1.00	1.00	0%	$55,857	$ 55,857				Y						
	WMF014	Passive	Water Main	WMF014_Water Main_225 mm dia	WMF014_Water Main_225 mm dia_DICL	Passive	1597	225			$ 20	$ -	$ 257	$ 410,796	2011	1.00		1	7.5%		$ 441,606	2011	1.00	1.00	0%	$441,606	$ 441,606				Y						
	WMF015	Passive	Water Main	WMF015_Water Main_225 mm dia	WMF015_Water Main_225 mm dia_DICL	Passive	299.45	225			$ 20	$ -	$ 257	$ 77,028	2011	1.00		1	7.5%		$ 82,805	2011	1.00	1.00	0%	$82,805	$ 82,805				Y						

Douglas Shire Council

Return to Navigation Pane

Summary Cost Schedule

Catchment		Demand			Cost of Trunk Infrastrcutrue			Cost per Unit Demand
No	Name	Existing (A)	NPV Future (B)	TOTAL (A)+ (B)	Existing (C)	NPV Future (D)	TOTAL (C)+ (D)	
Water Supply								
1	PORT DOUGLAS (W1)	16,328	9,203	25,530	$ 32,499,394	$ 4,891,098	$ 37,390,492	$ 1,465
2	MOSSMAN (W2)	6,278	1,185	7,463	$ 16,650,241	$ 1,344,067	$ 17,994,308	$ 2,411
3	WHYANBEEL (W3)	1,702	1,007	2,709	$ 14,448,700	$ 8,302,889	$ 22,751,589	$ 8,399
4	DAINTREE (W4)	192	132	325	$ 3,937,567	$ -	$ 3,937,567	$ 12,127
5	SHARED TREATMENT (W1&W2)	22,605	10,406	33,012	$ 8,551,527	$ 659,879	$ 9,211,406	$ 279
Totals		47,105	21,934	69,038	$ 76,087,430	$ 15,197,932	$ 91,285,361	
Sewerage								
1	PORT DOUGLAS (S1)	15,073	5,812	20,885	$ 20,678,748	$ 685,586	$ 21,364,334	$ 1,023
2	MOSSMAN (S2)	5,544	1,236	6,780	$ 4,265,705	$ 243,058	$ 4,508,763	$ 665
3	COOYA BEACH (S3)	267	1,232	1,499	$ 1,193,654	$ 2,010,407	$ 3,204,061	$ 2,137
4	NEWELL BEACH (S4)	-	529	529	$ 47,880	$ 426,868	$ 474,748	$ 897
5	WONGA BEACH / ROCKY POINT (S5)	-	2,119	2,119	$ 175,437	$ 1,623,601	$ 1,799,037	$ 849
6	SHARED TREATMENT (S2-S5)	5,811	5,280	11,091	$ 902,804	$ 410,255	$ 1,313,059	$ 118
Totals		26,695	16,207	42,902	$ 27,264,226	$ 5,399,775	$ 32,664,001	
Stormwater								
0	0				$ -	$ -	$ -	$ -
Totals		-	-	-	$ -	$ -	$ -	
Transport								
1	Douglas Shire South (TR1)	93,412	36,461	129,873	$ 86,701,648	$ 33,184,318	$ 119,885,966	$ 923
2	Douglas Shire North (TR2)	3,970	- 359	3,611	$ 43,572,580	$ -	$ 43,572,580	$ 12,065
0	0				$ -	$ -	$ -	$ -
Totals		97,382	36,102	133,484	$ 130,274,228	$ 33,184,318	$ 163,458,546	
Parks and Community								
1	Port Douglas (PPLC1)	9,757	3,247	13,004	$ 6,773,491	$ 4,359,360	$ 11,132,851	$ 856
2	Mossman (PPLC2)	1,531	510	2,041	$ 1,403,523	$ 1,966,982	$ 3,370,505	$ 1,651
3	Cooya Beach (PPLC3)	667	221	888	$ 462,196	$ 936,285	$ 1,398,481	$ 1,575
4	Newell Beach (PPLC4)	329	110	439	$ 449,467	$ 446,859	$ 896,326	$ 2,042
5	Wonga Beach (PPLC5)	751	250	1,001	$ 666,198	$ 663,776	$ 1,329,974	$ 1,329
6	Rural Area - South of Mowbray River (PPLC6)	382	126	508	$ 144,329	$ 66,063	$ 210,392	$ 414
7	Rural Area - Mowbray River to Mossman River (PPLC	418	140	558	$ 116,555	$ 72,315	$ 188,870	$ 339
8	Rural Area - Mossman River to Daintree River (PPLC	968	321	1,289	$ 477,842	$ 343,152	$ 820,994	$ 637
9	Rural Area - North of Daintree River (PPLC9)	743	247	990	$ 142,887	$ 263,464	$ 406,351	$ 410
0	District Shared Catchments (1,2,3,4,6&7)	13,084	4,355	17,439	$ 3,356,407	$ 2,263,065	$ 5,619,472	$ 322
0	District Shared Catchments (5,8&9)	2,462	818	3,280	$ 227,970	$ 872,770	$ 1,100,739	$ 336
0	Regional Shared Catchments (1-9)	15,546	5,173	20,719	$ 345,891	$ -	$ 345,891	$ 17
Totals		46,638	15,519	62,157	$ 14,566,755	$ 12,254,091	$ 26,820,846	

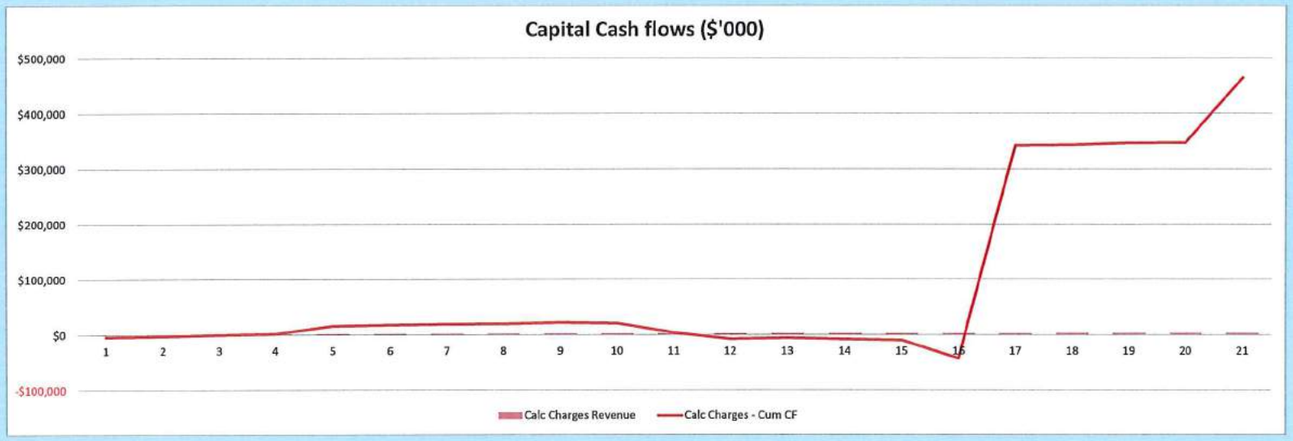
Douglas Shire Council

Return to Navigation Pane

Summary Cash flow Projections ($,000's)

Item	Year		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Anticipated Cost (Cap X in $000)		Water	$6,200	$642	$0	$111	$0	$293	$246	$1,687	$366	$0	$0	$0	$0	$0	$1,060	$15,288	$0	$0	$0	$0	$0
		Sewerage	-$2,415	$0	$0	$0	-$12,141	$0	$73	$0	$0	$0	$5,263	$0	$0	$0	$0	$148	-$382,127	$0	$0	$0	-$152,673
		Stormwater	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
		Transport	$581	$0	$0	$0	$0	$234	$599	$264	$81	$988	$11,151	$13,430	$0	$0	$0	$14,953	$0	$2,918	$0	$3,246	$36,064
		Parks and Community	$0	$0	$0	$0	$0	$0	$0	$0	$0	$3,236	$3,234	$775	$1,341	$5,593	$3,755	$5,908	$0	$0	$0	$0	$3,498
		Total Cost	$4,365	$642	$0	$111	-$12,141	$526	$918	$1,951	$446	$4,224	$19,648	$14,204	$1,341	$5,593	$4,815	$36,296	-$382,127	$2,918	$0	$3,246	-$113,312
Anticipated Charges Revenue ($000)		Residential Charges	$1,000	$1,883	$1,939	$1,998	$2,057	$2,119	$2,339	$2,409	$2,481	$2,556	$2,632	$2,848	$2,933	$3,021	$3,112	$3,205	$3,259	$3,357	$3,458	$3,561	$3,668
		Comm/Ind Charges	$200	$106	$109	$112	$115	$119	$124	$128	$132	$135	$140	$138	$142	$146	$151	$155	$166	$171	$176	$181	$187
		Total revenue	$1,200	$1,988	$2,048	$2,109	$2,173	$2,238	$2,463	$2,537	$2,613	$2,691	$2,772	$2,986	$3,075	$3,167	$3,262	$3,360	$3,425	$3,528	$3,634	$3,743	$3,855
Annual CF ($000)			-$3,165	$1,346	$2,048	$1,999	$14,314	$1,712	$1,545	$586	$2,167	-$1,533	-$16,876	-$11,219	$1,734	-$2,426	-$1,552	-$32,936	$385,552	$609	$3,634	$497	$117,166
Cumulative CF ($000)			-$3,165	-$1,819	$229	$2,228	$16,542	$18,254	$19,799	$20,384	$22,551	$21,018	$4,142	-$7,077	-$5,342	-$7,768	-$9,320	-$42,256	$343,296	$343,905	$347,538	$348,035	$465,202

NPV Cost	-$138,058.92
NPV Revenue	$31,367.43
NPV Annual Cashflow	$159,460.09



Return to Unit Rates Sheet

Douglas Shire Council
Water Supply
Unit Rates

Note: Unit rates are only one option for valuation of assets. Unique values ($) can be entered in the Existing Assets sheet and the Future Asset Sheets

Asset Type 1:	Active
WaterUnitrates1	
Diameter	**Rate/m**
Bore	5,321.79
Raw Water Intake	Item
Pump Station	Item
Reservoir	Item
Water Treatment Plant	Item

Asset Type 2:	Passive
WaterUnitrates2	
Diameter	**Rate/m**
32	$76.27
40	$77.77
50	$79.26
63	$91.23
75	$ 103.36
80	$108.42
100	$174.23
150	$192.92
180	$ 215.80
200	$231.05
220	$ 251.99
225	$257.23
250	$273.68
300	$324.52
375	$627.36
450	$675.22
500	$788.87
525	$ 801.96
600	$841.22
660	$1,521.67
675	$1,517.93
700	$1,543.35
750	$1,661.50
800	$1,898.53

NOTES
Rates Allows for hydrants.

Water Pipes
<= 375mm are usually replaced by uPVC
>375 and <= 600 replaced by DICL
>600 replaced by Mild steel

Recycled Water Mains :
Assumed to be the same cost as Potable water mains(where equivalent size mains exist. Additional sizes used in recycled water network identified in red. Value were interpolated from the unit rates of the pipe sizes immediately larger/ smaller than nominated size

Items shown in Blue - Costs have been interpolated from existing data

Site/ Condition Allowances	
Watersitecond	
Location/Condition type	**Multiplier**
RURAL / Sand	0.95
RURAL / Good Soil	1.09
RURAL / Poor Soil (High WT areas)	1.13
RURAL / ASS	1.18
RURAL / Soft Rock	1.22
RURAL / Hard Rock	1.62
RURAL / Underwater	1.63
URBAN / Sand	**1.00**
URBAN / Good Soil	1.14
URBAN / Poor Soil (High WT areas)	1.18
URBAN / ASS	1.40
URBAN / Soft Rock	1.27
URBAN / Hard Rock	1.67
URBAN / Underwater	1.66
HIGH DENSITY URBAN / Sand	1.20
HIGH DENSITY URBAN / Good Soil	1.34
HIGH DENSITY URBAN / Poor Soil (High WT areas)	1.38
HIGH DENSITY URBAN / ASS	1.43
HIGH DENSITY URBAN / Soft Rock	1.47
HIGH DENSITY URBAN / Hard Rock	1.87
HIGH DENSITY URBAN / Underwater	1.71
CBD / Sand	1.45
CBD / Good Soil	1.58
CBD / Poor Soil (High WT areas)	1.63
CBD / ASS	1.67
CBD / Soft Rock	1.71
CBD / Hard Rock	2.11
CBD / Underwater	1.89
Island / Sand	1.32
Island / Good Soil	1.49
Island / Poor Soil (High WT areas)	1.55
Island / ASS	1.60
Island / Soft Rock	1.65
Island / Hard Rock	2.15
Island / Underwater	2.14
PORT DOUGLAS (W1)	1
MOSSMAN (W2)	1
WHYANBEEL (W3)	1
DAINTREE (W4)	1
DAGMAR HEIGHTS (W5)	1

Locational / Catchment Multipliers used in LGIP unless Site based condition information available

Project Owners Cost	
Watreprojcost	
Term	**%**
5	10%
10	15%
15	20%
20	30%

Douglas Shire Council
Wastewater

Return to Unit Rates Sheet

Unit Rates

Note: Unit rates are only one option for valuation of assets. Unique values ($) can be entered in the Existing Assets sheet and the Future Asset Sheets

Asset Type 1:	Rising Mains

SewerUnitrates1

Diameter	Rate/m
50	$90.96
63	$106.62
80	$132.00
100	$155.11
150	$193.19
200	$232.58
225	$260.35
250	$287.27
300	$344.19
375	$813.89
450	$926.18
500	$1,110.03
600	$1,278.71
660	$1,747.34
675	$1,761.85
700	$1,786.77
750	$1,853.47
800	$1,996.18
110	$ 140.51
160	$ 210.19

Notes

Wastewater Effluent Rising Main Unit Rates
(As Per Rising Main Rates)

Wastewater Low Pressure Mains
110mm
160mm

Wastewater rising mains

Small diameter rising mains (50,63, & 80 mm)
Extrapolated from unit rates 100mm and above.
20% allowance for Fillings

Asset Type 2 (Depth Dependent):	Gravity Sewers

SewerUnitrates2

Depth Ranges
1.5m-3.0m

Diameter	Depth	Rate/m
100	1.5m-3.0m	$199.39
150	1.5m-3.0m	$234.93
200	1.5m-3.0m	$303.72
225	1.5m-3.0m	$329.99
250	1.5m-3.0m	$314.53
300	1.5m-3.0m	$361.68
375	1.5m-3.0m	$386.41
400	1.5m-3.0m	$578.84
450	1.5m-3.0m	$624.43
500	1.5m-3.0m	$773.58
600	1.5m-3.0m	$949.79
660	1.5m-3.0m	$1,383.33
675	1.5m-3.0m	$1,421.20
700	1.5m-3.0m	$1,486.89
750	1.5m-3.0m	$1,388.74
800	1.5m-3.0m	$1,634.50
825	1.5m-3.0m	$1,762.01
900	1.5m-3.0m	$1,880.25
960	1.5m-3.0m	$2,210.24
1,000	1.5m-3.0m	$2,278.25
1,050	1.5m-3.0m	$2,365.58
1,085	1.5m-3.0m	$2,428.95
1,200	1.5m-3.0m	$2,883.36

Notes
Assume Good Soil - 1.5-3.0m depth. (FNQROC preference for Gravity Sewers <3.0m)
20% allowance for fittings
Costs Based on Construction Cost in Urban Areas in good soil (Sand)

Site/ Condition Allowances

Sewersitecond

Location/Condition type	Multiplier
RURAL / Sand	0.96
RURAL / Good Soil	1.14
RURAL / Poor Soil (High WT areas)	1.18
RURAL / ASS	1.20
RURAL / Soft Rock	1.57
RURAL / Hard Rock	2.25
URBAN / Sand	**1.00**
URBAN / Good Soil	1.18
URBAN / Poor Soil (High WT areas)	1.22
URBAN / ASS	1.37
URBAN / Soft Rock	1.60
URBAN / Hard Rock	2.29
HIGH DENSITY URBAN / Sand	1.15
HIGH DENSITY URBAN / Good Soil	1.33
HIGH DENSITY URBAN / Poor Soil (H	1.37
HIGH DENSITY URBAN / ASS	1.39
HIGH DENSITY URBAN / Soft Rock	1.76
HIGH DENSITY URBAN / Hard Rock	2.44
CBD / Sand	1.34
CBD / Good Soil	1.51
CBD / Poor Soil (High WT areas)	1.55
CBD / ASS	1.57
CBD / Soft Rock	1.94
CBD / Hard Rock	2.63
Island / Sand	1.31
Island / Good Soil	1.53
Island / Poor Soil (High WT areas)	1.58
Island / ASS	1.61
Island / Soft Rock	2.06
Island / Hard Rock	2.92
PORT DOUGLAS (S1)	1
MOSSMAN (S2)	1
COOYA BEACH (S3)	1
NEWELL BEACH (S4)	1
WONGA BEACH / ROCKY POINT (S5)	1
SHARED TREATMENT (S2-S5)	1

Notes

Locational / Catchment Multipliers used in LGIP unless Site based condition information available

Project Owners Cost

Sewerprojcost

Term	%
5	10%
10	15%
15	20%
20	30%

Return to Unit Rates Sheet

Douglas Shire Council
Transport
Unit Rates

Note: Unit rates are only one option for valuation of assets. Unique values ($) can be entered in the Existing Assets sheet and the Future Asset Sheets

Asset Type 1:	ROAD / PATH
RoadUnitrates1	

Road Hierarchy Standard	Rate/m or unit
Sub Arterial	$4,538.48
Urban Major Collector	$3,053.99
Urban Minor Collector	$2,750.88
Rural Major Collector	$1,006.10
Rural Minor Collector	$723.70
Access Street	$2,430.14
Path Hierarchy Standard	**Rate/m or unit**
Concrete_Path	$166.50
Asphalt_Path	$193.39
Brick Paver_Path	$365.51
Gravel_Path	$32.16

Asset Type 2:	INTERSECTION / STRUCTURES
RoadUnitrates2	

Asset Description	Rate/m or unit
Intersection: Signalised	$ 568,412.97
Intersection: Roundabout - 1 lane minor	$ 271,424.73
Structures: Bridges (/m2)	$ 6,180.99
Structures: Culverts	Identified in schedule(s)
Structures: Others	Identified in schedule(s)

Site/ Condition Allowances	
Roadsitecond	

Location/Condition type	Multiplier
Douglas Shire South (TR1)	1.00
Douglas Shire South _Upgrade (TR1_U)	1.50
Douglas Shire North (TR2)	1.40
Douglas Shire North _Upgrade (TR2_U)	2.00

Project Owners Cost	
Roadprojcost	

Term	%
5	10%
10	15%
15	20%
20	40%

NOTES
Assume All paths 1.5m wide (1m-3m)

Douglas Shire Council
Land for Parks and Community Facilities

Return to Unit Rates Sheet

Parks and Open Space Embellishment Cost

Note: Unit rates are only one option for valuation of assets. Unique values ($) can be entered in the Existing Assets sheet and the Future Asset Sheets

Embellishments

Parksunitrate1

Item	Rate per Park Type

Site/ Condition Allowances

Parkssitecond

Location/Condition type	Multiplier
Port Douglas (PPLC1)	1.00
Mossman (PPLC2)	1.00
Cooya Beach (PPLC3)	1.00
Newell Beach (PPLC4)	1.00
Wonga Beach (PPLC5)	1.00
Rural Area - South of Mowbray River (PPLC6)	1.00
Rural Area - Mowbray River to Mossman River (PPLC7)	1.00
Rural Area - Mossman River to Daintree River (PPLC8)	1.00
Rural Area - North of Daintree River (PPLC9)	1.00
District Shared Catchments (1,2,3,4,6&7)	1.00
District Shared Catchments (5,8&9)	1.00
Regional Shared Catchments (1-9)	1.00

Project Owners Cost

Parkprojcost

Term	%
5	10%
10	15%
15	20%
20	30%

Douglas Shire Council
Land Costs

Return to Unit Rates Sheet

Unit Rates

Note: Unit rates are only one option for valuation of assets. Unique values ($) can be entered in the Existing Assets sheet and the Future Asset Sheets

Option 1 - Generic Land Cost		
Unit Cost of Land ($/m2)	Landcst	$ 20.00

Option 2 - Land Cost (by Location)

Landcst2

Location	Cost of Land (per m2)
Port Douglas and Environs	$ 304.43
Mossman and Environs	$ 19.75
Coastal Suburbs, Villages and Townships (Cooya Beach)	$ 32.53
Coastal Suburbs, Villages and Townships (Daintree Township)	$ 16.58
Coastal Suburbs, Villages and Townships (Newell Beach)	$ 335.62
Coastal Suburbs, Villages and Townships (Wangetti)	$ 48.42
Coastal Suburbs, Villages and Townships (Wonga Beach)	$ 48.33
Rural Areas and Rural Settlements	$ 2.64
Settlement Areas North of the Daintree River	$ 2.27
World Heritage Areas and Environs	$ 0.17
Coastal Suburbs, Villages and Townships	$ 51.35

Note: Does not include Building Unit / Group Title Plans or Community Manegement Scheme Properties due to their Valuation Methods (i.e. Entir

Option 2 - Land Cost (by Type)

Landcst2

Landuse type	Cost of Land (per m2)
Local Recreation Park Port Douglas and Environs (LRP-PD)	$ 60.00
Local Recreation Park Mossman and Environs (LRP-M)	$ 20.00
Local Recreation Park Coastal Suburbs, Villages and Townships (Cooya Beach) (LRP-CB)	$ 20.00
Local Recreation Park Coastal Suburbs, Villages and Townships (Newell Beach) (LRP-NB)	$ 20.00
Local Recreation Park Coastal Suburbs, Villages and Townships (Wonga Beach) (LRP-WB)	$ 20.00
Local Recreation Park Coastal Suburbs, Villages and Townships (Wangetti) (LRP-W)	$ 20.00
Local Recreation Park Coastal Suburbs, Villages and Townships (Daintree Township) (LRP-DT)	$ 20.00
Local Recreation Park Rural Areas and Rural Settlements (LRP-RS)	$ 10.00
Local Recreation Park Settlement Areas North of the Daintree River (LRP-ND)	$ 5.00
Local Recreation Park World Heritage Areas and Environs (LRP-WHA)	$ 5.00
District Recreation Park Port Douglas and Environs (DRP-PD)	$ 60.00
District Recreation Park Mossman and Environs (DRP-M)	$ 10.00
District Recreation Park Coastal Suburbs, Villages and Townships (Cooya Beach) (DRP-CB)	$ 10.00
District Recreation Park Coastal Suburbs, Villages and Townships (Newell Beach) (DRP-NB)	$ 10.00
District Recreation Park Coastal Suburbs, Villages and Townships (Wonga Beach) (DRP-WB)	$ 10.00
District Recreation Park Coastal Suburbs, Villages and Townships (Wangetti) (DRP-W)	$ 10.00
District Recreation Park Coastal Suburbs, Villages and Townships (Daintree Township) (DRP-DT)	$ 10.00
District Recreation Park Rural Areas and Rural Settlements (DRP-RS)	$ 5.00
District Recreation Park Settlement Areas North of the Daintree River (DRP-ND)	$ 2.50
District Recreation Park World Heritage Areas and Environs (DRP-WHA)	$ 2.50
District Sports Park Port Douglas and Environs (DSP-PD)	$ 60.00
District Sports Park Mossman and Environs (DSP-M)	$ 10.00
District Sports Park Coastal Suburbs, Villages and Townships (Cooya Beach) (DSP-CB)	$ 10.00
District Sports Park Coastal Suburbs, Villages and Townships (Newell Beach) (DSP-NB)	$ 10.00
District Sports Park Coastal Suburbs, Villages and Townships (Wonga Beach) (DSP-WB)	$ 10.00
District Sports Park Coastal Suburbs, Villages and Townships (Wangetti) (DSP-W)	$ 10.00
District Sports Park Coastal Suburbs, Villages and Townships (Daintree Township) (DSP-DT)	$ 10.00
District Sports Park Rural Areas and Rural Settlements (DSP-RS)	$ 5.00
District Sports Park Settlement Areas North of the Daintree River (DSP-ND)	$ 2.50
District Sports Park World Heritage Areas and Environs (DSP-WHA)	$ 2.50
Local Government Wide Recreation Park Port Douglas and Environs (LGWRP-PD)	$ 30.00
Local Government Wide Recreation Park Mossman and Environs (LGWRP-M)	$ 10.00
Local Government Wide Recreation Park Coastal Suburbs, Villages and Townships (Cooya Beach) (LGWRP-CB)	$ 10.00
Local Government Wide Recreation Park Coastal Suburbs, Villages and Townships (Newell Beach) (LGWRP-NB)	$ 10.00
Local Government Wide Recreation Park Coastal Suburbs, Villages and Townships (Wonga Beach) (LGWRP-WB)	$ 10.00
Local Government Wide Recreation Park Coastal Suburbs, Villages and Townships (Wangetti) (LGWRP-W)	$ 10.00
Local Government Wide Recreation Park Coastal Suburbs, Villages and Townships (Daintree Township) (LGWRP-DT)	$ 10.00
Local Government Wide Recreation Park Rural Areas and Rural Settlements (LGWRP-RS)	$ 5.00
Local Government Wide Recreation Park Settlement Areas North of the Daintree River (LGWRP-ND)	$ 2.50
Local Government Wide Recreation Park World Heritage Areas and Environs (LGWRP-WHA)	$ 2.50
Local Government Wide Sports Park Port Douglas and Environs (LGWSP-PD)	$ 30.00
Local Government Wide Sports Park Mossman and Environs (LGWSP-M)	$ 10.00
Local Government Wide Sports Park Coastal Suburbs, Villages and Townships (Cooya Beach) (LGWSP-CB)	$ 10.00
Local Government Wide Sports Park Coastal Suburbs, Villages and Townships (Newell Beach) (LGWSP-NB)	$ 10.00
Local Government Wide Sports Park Coastal Suburbs, Villages and Townships (Wonga Beach) (LGWSP-WB)	$ 10.00
Local Government Wide Sports Park Coastal Suburbs, Villages and Townships (Wangetti) (LGWSP-W)	$ 10.00
Local Government Wide Sports Park Coastal Suburbs, Villages and Townships (Daintree Township) (LGWSP-DT)	$ 10.00
Local Government Wide Sports Park Rural Areas and Rural Settlements (LGWSP-RS)	$ 5.00
Local Government Wide Sports Park Settlement Areas North of the Daintree River (LGWSP-ND)	$ 2.50
Local Government Wide Sports Park World Heritage Areas and Environs (LGWSP-WHA)	$ 2.50
Community Facilities Port Douglas and Environs (CF-PD)	$ 30.00
Community Facilities Mossman and Environs (CF-M)	$ 10.00
Community Facilities Coastal Suburbs, Villages and Townships (Cooya Beach) (CF-CB)	$ 10.00
Community Facilities Coastal Suburbs, Villages and Townships (Newell Beach) (CF-NB)	$ 10.00
Community Facilities Coastal Suburbs, Villages and Townships (Wonga Beach) (CF-WB)	$ 10.00
Community Facilities Coastal Suburbs, Villages and Townships (Wangetti) (CF-W)	$ 10.00
Community Facilities Coastal Suburbs, Villages and Townships (Daintree Township) (CF-DT)	$ 10.00
Community Facilities Rural Areas and Rural Settlements (CF-RS)	$ 5.00
Community Facilities Settlement Areas North of the Daintree River (CF-ND)	$ 2.50
Community Facilities World Heritage Areas and Environs (CF-WHA)	$ 2.50

NOTES

To be used for the valuation of Public Parks and Community Land (PPCL)

Abbreviations are made up of a **PARK HEIRACHY** and **LOCALITY** code

Park Heirachy	PARK HEIRACHY code
Local Recreation Park	LRP
District Recreation Park	DRP
District Sports Park	DSP
Local Government Wide Recreation Park	LGWRP
Local Government Wide Sports Park	LGWSP
Community Facilities	CF

Locality	Locality Code
Port Douglas and Environs	-PD
Mossman and Environs	-M
Coastal Suburbs, Villages and Townships (Cooya Beach)	-CB
Coastal Suburbs, Villages and Townships (Newell Beach)	-NB
Coastal Suburbs, Villages and Townships (Wonga Beach)	-WB
Coastal Suburbs, Villages and Townships (Wangetti)	-W
Coastal Suburbs, Villages and Townships (Daintree Township)	-DT
Rural Areas and Rural Settlements	-RS
Settlement Areas North of the Daintree River	-ND
World Heritage Areas and Environs	-WHA

DOUGLAS SHIRE COUNCIL

TECHNICAL BRIEFING REPORT

Local Government Infrastructure Plan

Key Assumptions and Methodology

PREPARED FOR

DOUGLAS SHIRE COUNCIL

Trinity Engineering and Consulting

design | consult | manage

July 2017

DOCUMENT CONTROL SHEET

Trinity Engineering and Consulting Cairns Office: Level 1 10 Grafton Street Cairns QLD 4870 PO Box 7963 Cairns QLD 4870 Telephone (07) 4040 7111 www.trinityengineering.com.au	**Title:**	**LGIP: Key Assumptions and Methodology**
	Project Manager:	**Rudd Rankine**
	Author:	**Rudd Rankine**
	Client:	Douglas Shire Council
	Client Contact:	**Paul**
	Client Reference:	**DSC_LGIP**
	Synopsis:	A technical briefing report summarising the key assumptions and methodology used for the preparation of the DSC LGIP

REVISION/CHECKING HISTORY				
Rev No.	**Author**	**Approved for Issue**		
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Table of Contents

1. Introduction

This report has been prepared for the Douglas Shire Council (DSC) as part of the preparation of the Local Government Infrastructure Plan (LGIP). The aims of the report are to outline the key assumptions and methodology used to prepare the LGIP. These include the

- Planning Assumptions - including population growth and demand projections) which have been used to determine and underpin the need and growth of the trunk infrastructure networks.
- Costs
- Network Planning
- Financial Modelling

Council's trunk infrastructure networks covered by the LGIP include: -

- Water,
- Waste water (Sewerage)
- Stormwater
- Transport (Roads and Paths),
- Public Parks and Community Land.

2. Background

Under the Sustainable Planning Act 2009 (SPA) all local governments were required to include a Priority Infrastructure Plan (PIP) in their planning schemes. Councils are now required to include a Local Government Infrastructure Plan (LGIP) instead of a PIP.

A grace period, starting from the commencement of the new framework and ending 30 June 2016, has been included in the legislation, during which time a local government planning scheme is not required to include a Local Government Infrastructure Plan (LGIP).

From 1 July 2016 onwards, local governments will be required to include an LGIP in their planning scheme if they intend to levy infrastructure charges or impose conditions for trunk infrastructure. In accordance with section 997 of SPA, a local government may apply to the Planning Minister for an extension of the date to a date not later than 30 June 2018, to adopt an LGIP.

Local governments that do not intend to levy infrastructure charges or impose conditions for trunk infrastructure do not need to include an LGIP in their planning schemes.

Councils are required to include an LGIP in their planning Schemes if they wish to levy infrastructure charges or impose conditions for trunk infrastructure. The LGIP's must be in place by June 30, 2018.

3. PLANNING ASSUMPTIONS

3.1 Overview

The planning assumptions for the Douglas Shire Council (DSC) have been used to develop a GIS based population and demand model. The model uses a Geographic Information System (GIS) based platform to apply planning constraints to individual sites (lots). The resulting model, based 'bottom up' approach, then spatially allocates region wide population projections from the Population model the the digital cadastre database (DCDB). The same process is undertaken to assign demand (residential and non-residential to the same DCDB. This spatial allocation of population and demands enables the aggregation of data in any defined spatial area (i.e. "Catchments").

The assumptions and methodologies on which the P&D model have created have been outlined in the planning assumptions below.

3.2 Population Modelling

3.2.1 Population modelling of resident and non-resident (Tourist) population

To ensure that infrastructure networks accommodate the demand generated by both resident and visitor populations. The various accommodation types identified have been assessed and a "maximum overnight tourist capacity" determined. These results have been trended over the 2011 to Ultimate cohorts using expected population growth rate as a surrogate for determining projected tourists over time, as outlined below.

The Queensland Government Population projections – 2015 edition (Medium Series)[1] were used as a basis for determining the resident population projections for the Periods 2011 to 2031 across Douglas Shire. The proportion of non-resident population was determined as a percentage of the resident population from Census data for 2011, and 2016 (Av.= 50%). The total number of non-residents was then determined by multiplying the medium series resident population projections by the average non-resident population (~50%)

The total population = resident population + non-resident population

The totals for 2036 and Ultimate (approximately 2061) have been extrapolated from the totals provided in the previous periods. For the purposes of the DSC- LGIP the ultimate scenario of the Douglas Shire Planning Scheme is considered to occur in around 2061. Table 1 below identifies the Population and Tourist Figures used as a basis for creating the Population Spatial Model.

Table 1 – Population projections (resident and non-resident) from Government data sources vs. Predicted Modelling outcome

Column 1 **Projection area**	**Existing and projected population**					
	Base date 2011	**2016**	**2021**	**2026**	**2031**	**Ultimate Development**
Resident Population[2]	11,816	11,911	12,528	13,255	14,020	18,088
Non-Resident[3]	5,364	6,490	6,257	6,620	7,002	9,034
TOTAL Population (from Source)	**15,546**	**17,591**	**18,785**	**19,875**	**21,022**	**27,122**
% Visitors	45.4[4]%	54.5%[5]	49.9%[6]	49.9%	49.9%	49.9%
DSC Population and Demand Model	**18,150**	**18,829**	**19,519**	**20,190**	**20,918**	**24,774**

[1] Queensland Government population projections, 2015 edition; Australian Bureau of Statistics, Regional population growth, Australia, 2013-14, (Cat no. 3218.0).

[2] Medium Series (ABS, 2015)

[3]2011& 2016 -> Non-resident values from ABS Census data.
2021-Ultimate -> extrapolated from calculated **(average non-resident population (%) * Resident Population)**

[4] Calculated from 2011 Census Data

[5] Calculated from 2016 Census Data

[6] Calculated Average (%) from 2011 & 2016 Census Data

Column 1 Projection area	Existing and projected population					
	Base date 2011	2016	2021	2026	2031	Ultimate Development
Variance	17%	7%	4%	2%	-0.5%	-8%

3.2.1.1 Population Model Validation

The initial Population and Demand (P&D) model was developed by Integran Pty Ltd for the Douglas Shire Council's (DRAFT) Priority Infrastructure Plan. This was undertaken in 2009. This model used to provide a base from which modification were made to reflect any zonal changes in the new planning scheme. A back analysis showed negligible different in planning or demand modelling (0.7%), which is within the margins of error. Similarly, the outputs from the P&D Model were assessed against the Population data for DSC LGA collected by the Australian Bureau of Statistics as part of the Census data. Interestingly the P&D model appears to be increased in accuracy through time.

- **In 2011:** the total predicted population (resident + non-resident) was 18,154 vs 15,546 (QGSO – resident population + ABS- Population – Visitor). The P&D model is over-predicting by +17%)
- **In 2016:** the total predicted population (resident + non-resident) was 18,841 vs 17,591 (model is over-predicting by +7%).
- **Ultimate (2061):** the total predicted population (resident + non-resident) is 24,891 vs 27,122 (model is under-predicting by +8%). [1]

This is considered to demonstrate a high degree of correlation, and confidence between the P&D model and actual the population as reported through the government data sources.

3.2.2 Current Population

Existing population has been allocated on a lot by lot basis to all residential land uses (obtained from Council's rates database) based on dwelling types and expected household sizes across the LGA. A summary of the average household sizes used are provided in Table 2. For example, a property identified as containing a house is assigned a 2021 population of 2.43. This allocation has been aligned with the population projections and refined through comparison with the ABS Census Data.

Table 2 – Average Household size

Dwelling Type	Household Density (Persons/ Occupied Dwelling)				
	2011	2016	2021	2026	DSC_P&D model 2031-Ultimate
Separate House	2.59	2.51	2.43	2.35	2.32
Semi, Detached, Flats	2.22	2.15	2.08	2.01	1.98
Other	1.90	1.84	1.78	1.72	1.70
All	**2.36**	**2.29**	**2.21**	**2.14**	**2.06**

Sources: DSC_ Population & Demand Model_2010, CRC_Population and Demand Model_2010, ABS 2011, 2016 PEP Profiles

[1] Refer to DSC_POP&DEMAND_MODEL_TEC_180824.xls

The development potential of the Douglas Shire Planning Scheme was determined through an analysis of the Planning Scheme Intents (Constraints and Densities), consideration of approved development applications and understanding of the realistic development trends throughout the Shire.

On determination of this "realistic" development capacity of the former Douglas Shire, the expected growth for each five-year period beyond 2011 was allocated across potential growth areas of the Shire (i.e. locations yet to reach the 'ultimate' realistic capacity), with areas of greater capacity absorbing the largest amount of growth.

Residential populations were allocated across all residential Planning Areas, while tourist growth was only allocated to only those Planning Areas likely to accommodate tourist population (e.g. Tourist & Residential Area, Residential 2 and Commercial). This information has been used in the development of the spatial model. The spatial model has been verified through a comparative assessment against ABS Population data within Census boundaries (SA2 level).

3.2.3 Ultimate Population

The ultimate development potential of Douglas Shire Council's Planning Scheme was determined through the following process:

Developable area was determined through an analysis of the Digital Cadastre Database (DCDB), with consideration given to the following factors:

- Currently approved development applications;
- Application of constraints which may limit affected development including natural and planning constraints. The natural constraints considered as part of this assessment were:
  - Water resources;
  - Flood hazards;
  - Biodiversity, waterways & conservation areas

  The planning considerations and constraints used as part of this assessment included:
  - Locality
  - Planning Areas
  - Maximum plot Ratios
  - Special Precincts
  - Min/ Max Plot Ratios
  - Maximum height / number of storeys
  - Min Lot Size

The degree to which constraints affected development has been determined using council officer's experience in dealing with proposed developments affected by the relevant constraints. The ultimate projected population for the Douglas Shire Council LGA is shown in Table 1.

Source: \\ 4_Extrinsic Material\ Supporting_Information|0_Planning_2_Demand_Assumptions\ 170912_demand_assumption_zoneuse

3.2.4 Interim Population Allocation

Growth between current and ultimate population has been with consideration given to factors affecting propensity to develop. These include:

- Location with respect to the Priority Infrastructure Area (PIA) (i.e. accommodates 10-15 years growth);
  - Within the 10 - 15 year PIA period, 95% of the growth is allocated to within the PIA boundary and the balance 5% of population growth was assumed to be satisfied outside the PIA boundary. This was considered a reasonable assumption, given the presence of Residential, Rural Residential and isolated areas of Tourist Accommodation zoned land outside the PIA.
- Availability and proximity to infrastructure services;
- Likelihood and location of infill development within the PIA.
- Potential staging of development for areas based on direction from Council's planning department;
- Existence of Planning Approvals.
  - It is noted that there is currently sufficient developable land with current development approvals over the land to take up the expected growth within the PIA period. This is to be monitored over time, and through the required revisions of LGIP.

Residential populations were allocated across all residential Planning Areas, while tourist growth was only allocated to only those Planning Areas likely to accommodate tourist population. The population growth between the base year and ultimate are defined in Table SC3.1.1 of Council's DRAFT LGIP (Section 4 of the Planning Scheme).

3.3 Infrastructure Demand

The DSC_P&D Demand Model as developed by Integran Pty Ltd, expresses residential and non-residential demand as ***Equivalent Demand Units (EDUs).*** An equivalent demand unit represents the level of demand generated by a single detached residential dwelling on a standard allotment (401m2 to 900m2). One (1) EDU is equivalent to the demand generated by a single detached residential dwelling for the respective trunk infrastructure network as follows:

- Water Supply – 1 EDU = 2.59 EPs (with average daily consumption per EP as per Council's development manual);
- Wastewater – 1 EDU = 2.59 EPs (with average dry weather flow per EP as per Council's development manual)
- Transport (Roads) – 1 EDU = 10 vehicle trips.

3.3.1 Existing Demand

3.3.1.1 Residential

The level of demand in the base year (2011) is determined by dividing the 2011 population by the average household size (2.59).

3.3.1.2 Non-Residential.

The Non-residential demand (EDU's) has been determined using the developable area calculations that were determined through the Population Modelling Process. EDU rates per Hectare for each landuse / Planning Area were multiplied by the developable area in hectares. Where more detailed information was available or has been determined for planning locations, the (Table 3).

Table 3- Broad-Hectare Demand used in the determination of the DSC_Population and Demand Model : Residential Demands (Integran Pty Ltd 2011)

Column 1	Column 2	Column 4				
Area classification	LGIP development type	Demand generation rate for a trunk infrastructure network				
		Water supply network	Sewerage network	Transport network	Parks and land for community facilities network	Stormwater network
		(EDU/dev ha)	(EDU/dev ha)	(EDU/ha)	(ha/1000 persons)	(imp ha/dev ha)
BROAD HECTARE	Tourist and Residential	88.8	88.8	300	4.8	0.8
	Commercial	25.9	25.9	400	4.8	0.9
	Industry	31.1	31.1	200	4.8	0.9
	Community and Recreational Facilities	25.9	25.9	120	4.8	0.2
	Conservation	3.9	3.9	10	4.8	0.0

When Converting the DSC_D&P Model the base units of measurements used in the LGIP, the rates as outlined in Section 3.3 for the Water, Waste Water (Sewerage) and Transport Networks. Table 4 Summarise the results.

Table 4- Broad-Hectare Demand used in the determination of the DSC_Population and Demand Model :Non - Residential Demands (Integran Pty Ltd 2011) (LGIP)

Column 1	Column 2	Column 4				
Area classification	LGIP development type	Demand generation rate for a trunk infrastructure network				
		Water supply network	Sewerage network	Transport network	Parks and land for community facilities network	Stormwater network
		(EDU/dev ha)	(EDU/dev ha)	(EDU/ha)	(ha/1000 persons)	(imp ha/dev ha)
BROAD HECTARE	Tourist and Residential	88.8	88.8	300	4.8	0.8
	Commercial	25.9	25.9	400	4.8	0.9
	Industry	31.1	31.1	200	4.8	0.9
	Community and Recreational Facilities	25.9	25.9	120	4.8	0.2
	Conservation	3.9	3.9	10	4.8	0.0

To ensure the existing non-residential demand was not overestimated a number of assumptions were applied based on the size of the parcel and whether or not the existing landuse is consistent with the underlying land use intent. These include:-

- For all (occupied and vacant) lots < 1 Hectare – assumes 100% Developed
- For occupied lots > 1 Hectare – assumes 100% Developed
- For vacant lots > 1 Hectare – assumes 0% Developed
- For demand generating uses on all Community and Recreation Facilities Lots – Assumes 100%
- For Vacant or zero demand generating uses on all Community and Recreation Facilities Lots – Assumes 0%

3.3.2 Future Demand

3.3.2.1 Residential

The level of demand from the base year (2011) to ultimate was determined by dividing the population by the average household size for each corresponding time period. (Population – refer to Table 1, Average household density (people/house) – refer Table 2).

3.3.2.2 Non-Residential

The Non-residential demand (EDU's) has been determined using the developable area calculations (in HA) determined through the Population Modelling Process and applying these against the EDU rates per Hectare for each land use / Planning Area. (Refer Table 3 & 4). The rate of non-residential demand growth is linked (through the population modelling) to residential demand growth.

3.4 Employment

3.4.1 Base Year (2011) Employment

The total labour force for the Douglas Shire Council was determined using data produced by the QGSO and calculated using the formula's used in the PIPRICS Calculator[1]. Using the following assumptions

- Labour Force Containment Rate = 74.3%
- Resident Employment Rate (Participation Rate) = 81.4%

[1] Queensland Government, Department of Infrastructure and Planning (2008), *Behind the PIPRICS Calculator – A detailed methodology for calculating assumptions for a Priority Infrastructure Plan (PIP) using a Regulated Infrastructure Charges Schedule (RICS), 18 June 2008.*

- Job Containment Rate = 44.4%

The PIPRICS formulas then calculate employment based on population growth. Whilst this is considered a reasonable approach, the limitations as to the absolute nature of the assumptions noted above are obvious. But for matters of estimation, they are considered reasonable.

The low job-containment rate (44.4%) reflects the limited major employment generators in the DSC region, and the requirement of the labour force to seek work opportunities in the nearby communities (notably Cairns).

3.4.2 Future Employment

The projected labour force requirements for the future year cohorts are based on the Population growth estimated through the DSC_Population and Demand Model , using the same methodology as outlined in Section 3.4.1.

3.4.3 Floor Space Requirements

The total floor space requirements for growth in the non-residential sector are based on assumptions about space (m2) per employee by employment sector. These are shown in Table 5.

Table 5 – Floor space requirement for employees in different sectors.

Employment Sector	Floor Space (m^2 / employee)
Retail	30
Commercial	30
Industrial	150
Community Services	25

The calculation of the current and future floor space requirements relies on assumptions about the proportion of employment sector growth. This has been linked to the planning scheme zoning in accordance with the assumptions made in Table 6.

Table 6 - Employment by Planning Area

Planning Area	Employment Sector				
	Industry	**Retail**	**Commercial**	**Community Services**	**Other 1 (incl. home based, mining, construction, agriculture)**
Industrial Zoned Land	100%	3%	0%	0%	0%
Commercial Zoned Land	0%	92.5%	97.5%	2.5%	0%
Community and Recreational Facilities	0%	5%	2.5%	97.5%	0%
TOTAL	**100%**	**100%**	**100%**	**100%**	**0%**

The floor space requirements have been calculated for the base year and forecast for the future periods, based on the assumption outlined above. The results have been summarised in Table 22.3 of the LGIP and repeated below for ease of reference.

[1] It is assumed that there is no "Demand" for additional non-residential floor space for the Employment Sector of "Other". This is because "Other" category/ sector is considered likely to be made up of business such as home based businesses, mining, construction and agriculture. The permanent non-residential floor space generation from these activities are considered to negligible and have assumed to be 0 in the modelling.

Table 7 Residential dwellings and non-residential floor space assumptions summary

Column 1 Description	Column 2 Assumptions					
	Base date (2011)	2016	2021	2026	2031	Ultimate development
Residential dwellings[1]	7779	8,330	8,925	9,549	10,161	14,328
Non-residential floor space (m2 GFA)[2]	136,860	143,690	150,670	157,290	164,205	205,157

3.5 Priority Infrastructure Area Capacity

3.5.1 General

The appropriateness of the PIA to ensure an appropriate supply of serviced land was assessed after giving due consideration to

i) Factors effecting the location and scale of development
ii) Assessments of the propensity and intensity of infill development

3.5.2 Priority Infrastructure Area: Residential Capacity

The PIA is assessed as having sufficient capacity to accommodate an additional 1770 dwellings which equates to an additional population of approximately 3741 persons in the 15-year time horizon of the PIA. The projected Population growth from the population model during the same period is 3,289 people. This demonstrates that the PIA is sufficient to contain the Population[3] growth up to an including 2026. The PIA is expected to reach its residential capacity between 2026 and 2031 – which are inside the acceptable limits identified within the LGIP guidelines.

3.5.3 Integrated Resort Development Scheme

The integrated resort development scheme (IRDS) has been *excluded* from the PIA for the DSC LGIP, as it falls outside of the control and jurisdiction of the DSC planning scheme. However, the demands from the IRDS have been included in the demand calculations and infrastructure network planning, as the development will cater for additional residents and non-residents over the expected timeline of the LGIP (15 years).

3.5.4 Priority Infrastructure Area: Non-Residential Capacity

The projected future demand for non-residential floor space within the PIA over the life of the LGIP (20 years) is approximately 18,430m2. Assuming a development yield of approximately 55%, this equates to a land area of approximately 33.5Ha.

The available non-residential land within the PIA is shown in Table 8. The PIA provides sufficient non-residential land for the planned duration of the LGIP. Indeed, the available Industrial land included in the PIA is more than the projected demand. This is considered reasonable given a large portion of the vacant existing industrial land is already serviced by all infrastructure networks. The under-utilised industrial land refers to infill development or re-development of existing sites to a higher scale or intensity.

1 Total number of residential dwellings

2 Total non-residential floor space (m2 GFA)

3 Population Growth inclusive of residents and tourist/ non-residents

Table 8: Non-Residential land summary (within the PIA)

Planning Scheme Zoning	Total Area (Ha)	Development Potential[1]		
		Vacant (Ha)	Under-utilised (Ha)	Total (Ha)
Commercial	64	3.75	6	9.75
Industry	76	14.25	12.75	27
Community and Recreational Facilities	594	17.25	3.75	21
Conservation	210,393	0	0	0
TOTAL	**211,127**	**35.25**	**22.5**	**57.75**

3.6 Cost Assumptions

Unit rates used within the schedule of works (SoW) model are included using the information deemed most accurate and appropriate, which was available at the time the document was drafted. For asset costing purposes within the SoW model, all unit rates have been indexed to the base year of the model, 2011, using a rate of 3% (Charges Escalation Rate) unless noted otherwise.

The unit rates used for determining network values have been derived using raw unit rate data (asset cost only). The 'replacement cost' of an asset, will also include on-costs such as: - investigations, environmental/ approvals management, detail design, and project management etc. These on-costs referred to as Project Owners Costs. In the Schedule of Works (SoW) Model. The owners' costs considered to be an essential element of determining the current replacement costs (as referenced in the Statutory Guideline 03/14.

It is noted that the Evans and Peck report referenced within the State SoW model user manual identifies that many Council's already include on costs within their unit rates. DSC has separated these costs to provide additional transparency and ease of understanding throughout the LGIP documents.

3.6.1 Water and Wastewater (Sewerage) Unit Rates

Active Assets: Current replacement cost for active assets (pump stations, treatment plants etc.) have been provided as project costs. The costs were sourced from Council asset registers (where possible). Where this information was not available the costs were sourced from the Douglas Shire Council's Draft PIP Document. The Source of these cost were from DSC's asset register or where not – available from Cairns Regional Council's asset register.

Notes

1) Cairns Regional Council and Douglas Shire Council were amalgamated at the time of the preparation of the DRAFT Priority Infrastructure Plans
2) Adopting costs for infrastructure based for Douglas Shire Council assets based on Cairns Regional Council Assets Register costs is considered conservative, as there are additional costs for transport and logistics typically required to develop infrastructure in Douglas Shire Council.

Passive Assets: Unit rates for passive assets have been derived from the 30th June 2017 Valuation Report.

This report builds a cost for water supply and sewer assets which is based on:

- Raw unit rate cost; plus
  - Application of various cost modifiers which affect construction cost, including:
    - Existing Development Type (Rural, Urban, High Density Urban, CBD)
    - Soil Type (Good soil, poor soil, sand, acid sulfate soil, soft rock, hard rock)
    - Pipe depth

[1] From DSC Population – Demand Model (Integran 2011)

- Pipe diameter

Spatially dependant cost modifiers (development/soil type) have been identified within a GIS system using boundaries provided with the abovementioned Cardno report.

3.6.2 Cost Modifiers

In addition to the unit rates for the assets identified above, a number of cost multipliers have been applied (as necessary) across the water and waste water networks. These have been summarised in Table 9.

Table 9 – Cost Modifiers applicable to water and waste water networks.

Cost Modifier	Valuation Component	Applies to	Adjustment Factor	Comment
On-cost Allowance	Works	All Existing and Future Assets	20%	Project Owners costs include on-costs such as:- investigations, environmental/ approvals management, detail design, and project management etc.
Time based contingency	Works	All Future Assets	0%-30%	0% 0-5yrs 10% 5-10yrs 15% 10-15yrs 20% 15-20yrs 30% 20+ yrs
Construction Cost Multipliers	Works	All Future Assets	95%-215% (Water) 96% - 292% (Wastewater)	Cost modifiers which affect construction cost, including: - Existing Development Type (Rural, Urban, High Density Urban, CBD) - Soil Type (Good soil, poor soil, sand, acid sulphate soil, soft rock, hard rock) - Pipe depth - Pipe diameter Currently insufficient data to justify any variation from 1.0 for any assets. All sewerage reticulation was assumed to be <3m deep – as per the requirements of the FNQROC development manual. All works were assumed to occur in Urban/ Good Soil 1.5-3.0m deep (i.e. Multiplier of 1.0) All future LGIP works do NOT have any Construction Cost Multipliers applied.
Spatial Multipliers (Spatially Dependent Cost Multipliers for Catchments)	Works	All Future Assets	1.0	Currently insufficient data to justify any variation from 1.0. (Possible in future revisions of LGIP). No Spatial Multipliers Applied to LGIP works

3.6.3 Stormwater Unit Rates

The stormwater network has not been included in the DSC LGIP at this point in time

3.6.4 Cost Modifiers

N/A – as above.

3.6.5 Transport Unit Rates

Transport costs have been applied as project costs identified from Council's Capital Works program and detailed planning documents where possible. Where such costs do not exist, unit rates have been applied as detailed below.

Roads

Road unit rates have been determined using the mean unit rates from the following sources (minus on cost allowance and indexed to 2011 using CPI[1]:

- Council's draft Priority Infrastructure Plan (PIP) unit rates (2010)
- Council unit rates:
  - # 646604-v6-Unit_Rate_Book_for_Council_Assets;
  - #854357-v4B-Unit_Rates_for_Traffic_Management_Plans
- Cost Estimates for Concept Design of Wharf Street Intersection

A summary of the unit rate costs for the Road and Paths has been provided in Table 6.

Table 10 – Unit Rates used for Road and Paths

Road Hierarchy Standard	Rate/m or unit
Sub Arterial	$4,538.48
Urban Major Collector	$3,053.99
Urban Minor Collector	$2,750.88
Rural Major Collector	$1,006.10
Rural Minor Collector	$723.70
Access Street	$2,430.14
Path Hierarchy Standard	**Rate/m or unit**
Concrete_Path	$166.50
Asphalt_Path	$193.39
Brick Paver_Path	$365.51
Gravel_Path	$32.16

Land

Rates for land acquisitions of road corridors has been based on the 2006 Rushton Valuations and De. A copy of which has been included in the extrinsic material. A summary of the land costs used for the various locations has been summarised in Table 7. The Generic Land Cost for was set at $20/m2. The reason that the unit rate appears low relative to the land rate in Table 7 is that there is limited land resumptions required in any of the built-up (and consequentially more expensive areas). The $20/m2 is nominally half way between the typical cost of land in Rural Areas and the average of the Coastal Suburbs, Villages and Townships (excluding Newell Beach)

[1] CPI_Index_ABS_640101

Table 11 – Land Values

Location	Cost of Land (per m2)
Port Douglas and Environs	$ 304.43
Mossman and Environs	$ 19.75
Coastal Suburbs, Villages and Townships (Cooya Beach)	$ 32.53
Coastal Suburbs, Villages and Townships (Daintree Township)	$ 16.58
Coastal Suburbs, Villages and Townships (Newell Beach)	$ 335.62[1]
Coastal Suburbs, Villages and Townships (Wangetti)	$ 48.42
Coastal Suburbs, Villages and Townships (Wonga Beach)	$ 48.33
Rural Areas and Rural Settlements	$ 2.64
Settlement Areas North of the Daintree River	$ 2.27
World Heritage Areas and Environs	$ 0.17
Coastal Suburbs, Villages and Townships	$ 51.35

Paths

The unit rates used for assessing the trunk paths network has been adjusted to the base date rates Council identified in:

- #646604-v6-Unit_Rate_Book_for_Council_Assets;

It has been assumed all paths were 1.5m wide. This is considered a reasonable approach to account for the varying widths of the existing paths, which have been constructed to various widths and standards and the future trunk network, which will have paths constructed at the width defined by the standards at the time. (Typically, 2-3m).

Structures

The unit rates used for intersections and structures are outlined in Table 7. A detailed breakdown of how these unit rates have been determined has been provided in the following spreadsheets which have been provided as part of the LGIP extrinsic material.

- #646604-v6-Unit_Rate_Book_for_Council_Assets;
- #854357-v4B-Unit_Rates_for_Traffic_Management_Plans;
- #2432888-v1-(8_26_20)_DTMR__Bridge_Info___Summary

In the case where culverts have been used. The costs have been taken from #646604-v6-Unit_Rate_Book_for_Council_Assets and indexed up to the base date (June 2011) using the CPI index, and summarised in Table 8.

Table 13 Intersections and Structures – Unit Rates

Asset Description	Rate/m or unit
Intersection: Signalised	$ 568,412.97
Intersection: Roundabout - 1 lane minor	$ 271,424.73
Structures: Bridges (/m2)	$ 6,180.99

3.6.6 Cost Modifiers

The cost modifiers used for the transport network have been summarised in Table 9.

[1] Appears as an Out-of-line valuation. This is considered to be due to an over-representation of high value lots/ sales during the period of the assessment.

Table 14: Summary of Cost Modifiers applied to the Douglas Shire Council Transport Network.

Cost Modifier	Valuation Component	Applies to	Adjustment Factor	Comment
On-cost Allowance	Works	All Existing and Future Assets	20%	Project Owners costs include on-costs such as: - investigations, environmental/ approvals management, detail design, and project management etc.
Time based contingency	Works	All Future Assets	0%-30%	0% 0-5yrs 10% 5-10yrs 15% 10-15yrs 20% 15-20yrs 30%[1] 20+ yrs
Spatial Multipliers (Spatially Dependent Cost Multipliers for Catchments)	Works	All Future Assets	1.4	A Multiplier of 1.0 applies to all NEW Construction Works South of the Daintree River.
Construction Cost Multipliers	Works	All Future Assets	1.5	A cost multiplier of 1.5 for applies for all UPGRADE[2] works South of the Daintree River.
			2.0	A cost multiplier of 2.0 for applies for all UPGRADE[3] works North of the Daintree River.[4]

3.6.7 Public Parks and Community Land Unit Rates

The cost of the existing and future park embellishment costs have not been included in the 'Schedule of Works' using a unit rate approach. They have been included on as discrete planning Costs. These costs have been identified through a back analysis of Council's Asset Register for parks.

The Cost of land used in the calculations of public parks has been based on the Council's Valuation by Rushton's (2006) and adopted in Council's Previous Priority Infrastructure Plan (2010). Indexation has not been applied between the period of 2010 and 2011, as that values adopted in 2010 were still considered reasonable for 2011. The analysis used to determine the land values, necessarily made some assumptions and approximations to determine fair-value for the land. The variation of index values between 2010 and 2011 is considered less than the margin of error associated with the assumptions made in the original analysis. Therefore, the same figures have been adopted for the land values for the 2011 base date. A summary of the costs of land values used for the parks of various hierarchies and locations have been summarised in Table 10. The value of park land dedicated to Council (pre-1990) are not eligible to form part of the cost base and have been set to $0. Where Council have nominated a specific value for the Future parkland, these values have been included in the Schedule of Works model as discrete items also.

[1] From Department of Transport and Main Roads (TMR), Project Cost Estimating Manual, Seventh Edition, Published July 2017 (pg 45)

[2] The increased cost of undertaking reconstruction works of roads in a built-up environment (brownfield development), involves additional complexities - existing services, traffic management, approvals management etc.

[3] The increased cost of undertaking reconstruction works of roads in a built-up environment (brownfield development), involves additional complexities - existing services, traffic management, approvals management etc.

[4] The cost multiplier of 2.0 was assigned after discussion with Council Officers, Transport Engineers and Consultants. It was noted that this is slightly lower than the result of multiplying the LOCATIONAL MULTIPLIER (1.4) x UPGRADE MULTIPLIER = 2.1 (for works north of the Daintree river. This was considered a reasonable estimate due to reduced traffic loads (and traffic management) and simpler (lower order) road hierarchies.

Table 15. Land Cost – Public Parks

Landuse type	Cost of Land (per m2)
Local Recreation Park Port Douglas and Environs (LRP-PD)	$ 60.00
Local Recreation Park Mossman and Environs (LRP-M)	$ 20.00
Local Recreation Park Coastal Suburbs, Villages and Townships (Cooya Beach) (LRP-CB)	$ 20.00
Local Recreation Park Coastal Suburbs, Villages and Townships (Newell Beach) (LRP-NB)	$ 20.00
Local Recreation Park Coastal Suburbs, Villages and Townships (Wonga Beach) (LRP-WB)	$ 20.00
Local Recreation Park Coastal Suburbs, Villages and Townships (Wangetti) (LRP-W)	$ 20.00
Local Recreation Park Coastal Suburbs, Villages and Townships (Daintree Township) (LRP-DT)	$ 20.00
Local Recreation Park Rural Areas and Rural Settlements (LRP-RS)	$ 10.00
Local Recreation Park Settlement Areas North of the Daintree River (LRP-ND)	$ 5.00
Local Recreation Park World Heritage Areas and Environs (LRP-WHA)	$ 5.00
District Recreation Park Port Douglas and Environs (DRP-PD)	$ 60.00
District Recreation Park Mossman and Environs (DRP-M)	$ 10.00
District Recreation Park Coastal Suburbs, Villages and Townships (Cooya Beach) (DRP-CB)	$ 10.00
District Recreation Park Coastal Suburbs, Villages and Townships (Newell Beach) (DRP-NB)	$ 10.00
District Recreation Park Coastal Suburbs, Villages and Townships (Wonga Beach) (DRP-WB)	$ 10.00
District Recreation Park Coastal Suburbs, Villages and Townships (Wangetti) (DRP-W)	$ 10.00
District Recreation Park Coastal Suburbs, Villages and Townships (Daintree Township) (DRP-DT)	$ 10.00
District Recreation Park Rural Areas and Rural Settlements (DRP-RS)	$ 5.00
District Recreation Park Settlement Areas North of the Daintree River (DRP-ND)	$ 2.50
District Recreation Park World Heritage Areas and Environs (DRP-WHA)	$ 2.50
District Sports Park Port Douglas and Environs (DSP-PD)	$ 60.00
District Sports Park Mossman and Environs (DSP-M)	$ 10.00
District Sports Park Coastal Suburbs, Villages and Townships (Cooya Beach) (DSP-CB)	$ 10.00
District Sports Park Coastal Suburbs, Villages and Townships (Newell Beach) (DSP-NB)	$ 10.00
District Sports Park Coastal Suburbs, Villages and Townships (Wonga Beach) (DSP-WB)	$ 10.00
District Sports Park Coastal Suburbs, Villages and Townships (Wangetti) (DSP-W)	$ 10.00
District Sports Park Coastal Suburbs, Villages and Townships (Daintree Township) (DSP-DT)	$ 10.00
District Sports Park Rural Areas and Rural Settlements (DSP-RS)	$ 5.00

District Sports Park Settlement Areas North of the Daintree River (DSP-ND)	$ 2.50
District Sports Park World Heritage Areas and Environs (DSP-WHA)	$ 2.50
Local Government Wide Recreation Park Port Douglas and Environs (LGWRP-PD)	$ 30.00
Local Government Wide Recreation Park Mossman and Environs (LGWRP-M)	$ 10.00
Local Government Wide Recreation Park Coastal Suburbs, Villages and Townships (Cooya Beach) (LGWRP-CB)	$ 10.00
Local Government Wide Recreation Park Coastal Suburbs, Villages and Townships (Newell Beach) (LGWRP-NB)	$ 10.00
Local Government Wide Recreation Park Coastal Suburbs, Villages and Townships (Wonga Beach) (LGWRP-WB)	$ 10.00
Local Government Wide Recreation Park Coastal Suburbs, Villages and Townships (Wangetti) (LGWRP-W)	$ 10.00
Local Government Wide Recreation Park Coastal Suburbs, Villages and Townships (Daintree Township) (LGWRP-DT)	$ 10.00
Local Government Wide Recreation Park Rural Areas and Rural Settlements (LGWRP-RS)	$ 5.00
Local Government Wide Recreation Park Settlement Areas North of the Daintree River (LGWRP-ND)	$ 2.50
Local Government Wide Recreation Park World Heritage Areas and Environs (LGWRP-WHA)	$ 2.50
Local Government Wide Sports Park Port Douglas and Environs (LGWSP-PD)	$ 30.00
Local Government Wide Sports Park Mossman and Environs (LGWSP-M)	$ 10.00
Local Government Wide Sports Park Coastal Suburbs, Villages and Townships (Cooya Beach) (LGWSP-CB)	$ 10.00
Local Government Wide Sports Park Coastal Suburbs, Villages and Townships (Newell Beach) (LGWSP-NB)	$ 10.00
Local Government Wide Sports Park Coastal Suburbs, Villages and Townships (Wonga Beach) (LGWSP-WB)	$ 10.00
Local Government Wide Sports Park Coastal Suburbs, Villages and Townships (Wangetti) (LGWSP-W)	$ 10.00
Local Government Wide Sports Park Coastal Suburbs, Villages and Townships (Daintree Township) (LGWSP-DT)	$ 10.00
Local Government Wide Sports Park Rural Areas and Rural Settlements (LGWSP-RS)	$ 5.00
Local Government Wide Sports Park Settlement Areas North of the Daintree River (LGWSP-ND)	$ 2.50
Local Government Wide Sports Park World Heritage Areas and Environs (LGWSP-WHA)	$ 2.50
Community Facilities Port Douglas and Environs (CF-PD)	$ 30.00
Community Facilities Mossman and Environs (CF-M)	$ 10.00
Community Facilities Coastal Suburbs, Villages and Townships (Cooya Beach) (CF-CB)	$ 10.00
Community Facilities Coastal Suburbs, Villages and Townships (Newell Beach) (CF-NB)	$ 10.00
Community Facilities Coastal Suburbs, Villages and Townships (Wonga Beach) (CF-WB)	$ 10.00
Community Facilities Coastal Suburbs, Villages and Townships (Wangetti) (CF-W)	$ 10.00

Community Facilities Coastal Suburbs, Villages and Townships (Daintree Township) (CF-DT)	$ 10.00
Community Facilities Rural Areas and Rural Settlements (CF-RS)	$ 5.00
Community Facilities Settlement Areas North of the Daintree River (CF-ND)	$ 2.50
Community Facilities World Heritage Areas and Environs (CF-WHA)	$ 2.50

3.6.8 Cost Modifiers

The cost modifiers relevant to the Parks in the Douglas Shire Council LGA have been summarised in Table 11.

Table 16. Cost Modifier – Public Parks

Cost Modifier	Valuation Component	Applies to	Adjustment Factor	Comment
On-cost Allowance	Works	All Existing and Future Assets	20%	Project Owners costs include on-costs such as: - investigations, environmental/ approvals management, detail design, and project management etc.
Time based contingency	Works	All Future Assets	0%-30%	0% 0-5yrs 10% 5-10yrs 15% 10-15yrs 20% 15-20yrs 30% 20+ yrs
Spatial Multipliers (Spatially Dependent Cost Multipliers for Catchments)	Works	All Future Assets	1.0	A Multiplier of 1.0 applies to all Parks in the DSC Shire. There is insufficient evidence to justify SPATIAL multipliers above 1.0.
Construction Cost Multipliers	Works	All Future Assets	1.5	

3.6.9 Network Planning

Network planning for the Douglas Shire Council LGIP has in some cases been undertaken beyond the 10-15 year timeframe of the PIA. To provide a basis to produce a Discounted Cashflow Model of the future expenditures required under the LGIP for the life of the Planning Scheme, a realistic ultimate development of the Planning Scheme has been nominated at or around 2061.

Network planning for the various networks has been based on the identification of future growth characteristics of the region. These have been considered in consultation with Council's planners and engineers, and informed by various studies and reports prepared for to address the same. The studies and reports used to

1) Identify the desired standards of service (DSS);
2) Inform the Plans for Trunk Infrastructure (PFTI); and Schedule of Works (SoW)
3) Determine priority, timing and costs for the recommended works

The list of reports and studies are listed as the extrinsic material, within the LGIP, and can be provided to the public at request. Copies have also been provided as part of this report and review as part of the Extrinsic Material to the LGIP.

The various planning timelines for the infrastructure networks are defined in **Table 4.5.1** of the LGIP. These are all more than the 10-15 minimum timeline as specified by SG03/14. The networks have all been developed in accordance with the Desired Standards of Service (DSS) as defined in **Tables 22.4 – 22.12** in the LGIP (Section 4 of the Planning Scheme. A copy of the extrinsic material referenced in the LGIP has been reproduced in Appendix A.

The methodology used for the modelling of each of the networks has been outlined in Section 3.8 to 3.11.

4. TRANSPORT INFRASTRUCTURE NETWORK

4.1.1 Overview

This section provides an overview of the key assumptions and methodology used to determine infrastructure charges for the Transport Trunk Infrastructure Network for the Douglas Shire Council's Local Government Infrastructure Plans (LGIP).

4.1.2 Existing Assets

4.1.2.1 Source of Trunk Assets

- Existing trunk road assets were obtained from Douglas Shire Council GIS asset mapping, Council information and policies and previous infrastructure priority infrastructure planning documentation (PIP 2006). The adopted networks were reviewed by Council to confirm the trunk roads and hierarchies.
- Length of road assets based on mapped length from GIS asset mapping.
- Council identified the relevant road hierarchy based on the relevant standards of service that are outlined in the Council's engineering guidelines. These standards are defined by the Far North Region of Council's (FNQROC) development manual
- Council roads are identified as 'catchment' assets in the charges model.
- Roundabouts on trunk roads were also included.
- There are currently no existing signalised intersections.
- Structures (including bridges, culverts, and ferry landings) were also included where they coincided with the trunk network. These were sourced from GIS mapping and refined through review by Council and TMR officers.

4.1.3 Current Replacement Costs

4.1.3.1 Council Roads

- Unit rates for Council roads were determined and applied to the mapped length of each road segment.
- The unit rates were derived for each road hierarchy based on the design cross-sections of the respective hierarchies. Refer to file "#854357-v4B-Unit_Rates_for_Traffic_Management_Plans_(including_annual_service_costs)" for further detailed breakdown of unit rate inclusions for the respective hierarchies. The unit rates in the spreadsheet are expressed in June 2009 dollars (unit rates determined for former Cairns City area applied to former Douglas Shire area where hierarchies aligned) and have been indexed to the base date (2011) using CPI, for use in the LGIP Schedule of Works (SoW) model.
- For existing roads, the relevant unit rate was applied to determine the asset value. The costs for "minor upgrade works" that may be required on existing roads is accounted for in current replacement cost for the relevant Hierarchy / Type.
- A multiplier of 1.4 was used to increase the value of assets located north of the Daintree River to account for the additional costs of having to supply materials and labour without a bridge crossing to roads north of the river.
- The multiplier has been used by Council for Asset Valuations in this region and reviewed by the Queensland Audit Office.
- For upgrading roads existing in a brownfield setting (i.e. existing development). A multiplier of:
  - 1.5 was used – South of the Daintree River and
  - 2.0 – North of the Daintree River.
- Previous funding received for the Bitumen sealing of Cape Tribulation Road was removed from the existing catchment asset establishment costs – refer to report #2571770 "Bitumen Sealing the Cape Tribulation Road Through World Heritage Listed Property". The funding packages identified in this report were indexed up from June 1992 to June 2011 using CPI.

4.1.3.2 Council Intersections

- All existing roundabouts have been valued at $ 271,425 (in 2011 dollars) based on a 1 lane minor roundabout. The cost allows for:
  - Large vegetated roundabout >20m diameter;
  - Site preparation;

- Maintenance kerb around perimeter;
- Landscaping and vegetation.

- Priority Intersections (which consist of signs and line markings) were assumed to be included within the road cross section unit rates.

4.1.3.3 Council Structures

Bridges

- All existing bridges have been valued by applying a unit rate of $6,181/sqm to the area of the bridge. This allows for
  - An average bridge deck cost of $4,415/ m2; and a 40% allowance for the cost of the bridge abutments and approaches (in 2011 dollars).
    - The average cost of bridge deck was obtained from CRC unit rate schedule "#646604-v6-Unit_Rate_Book_for_Council_Assets.xls". This was determined by a back-analysis of bridge cost data from within the Cairns Regional Council Region, which was supplemented (and supported) by bridge asset data from the Department of Transport and Main Roads (TMR).
      Source: #2432888-v1-(8_26_20)_DTMR_Bridge_Info_Summary

Culverts

- Costs of culverts have been sourced from Council's asset database
  Source: #646604-v6-Unit_Rate_Book_for_Council_Assets;

4.1.4 Future Assets

4.1.4.1 Source of Trunk Assets

- The scope of future (upgrades or new) road infrastructure including location, hierarchy and timing was based on:
  - previous infrastructure planning undertaken for the adoption of the Douglas Shire Council Priority Infrastructure Plan (PIP).
  - Council officers through hard copy mark - ups (and then digitised into GIS) including several reviews and updates.
  - Collaboration with Engineers/ Officers from the Department of Transport and Main Roads.
- The only future State Controlled infrastructure included is the signalisation of the Captain Cook Highway and Port Douglas Road intersection. However, this and other longer term strategic upgrade projects have been identified however these are well outside of the 15-year horizon of the LGIP.

4.1.5 Current Replacement Costs

The unit rates for future road assets were derived on the same basis as for existing roads.

- Costs of upgrading existing roads are based on 150% of the relevant ultimate road hierarchy / type unit rates to allow for additional costs such as interim works and traffic management (to enable the road to continue to function during construction works), and the costs associated with service relocations and reforming an existing road formation (as oppose to commencing the works from fresh);
- Future (new) roads costs were based on 100% of the unit rate applicable to the relevant planned road hierarchy / type with a land component added where necessary to allow for land acquisitions to accommodate the new road.
- Rates for land acquisitions of road corridors has been based on the 2006 Rushton Valuations and De. A copy of which has been included in the extrinsic material. A summary of the land costs used for the various developed population centres were based on determination of average unimproved capital values (UCVs) for residential land in the suburb that the future road was situated. Refer to files "Craiglie Land Values.xls", "Wonga Land Values.xls", and "Mossman Land Values.xls". The land values that were adopted for use in the LGIP are summarised in Table 7.
- No subsidies were considered for future assets as no subsidies can be guaranteed.

4.1.6 Method of Cost Apportionment

4.1.6.1 Charging Catchments

- Two (2) Transport Trunk Infrastructure Charges Catchments have been identified based on land north and south of the Daintree River.

4.1.6.2 Allocation of Infrastructure

- Both existing and future assets have been allocated to the corresponding charging catchment to which they ultimately provide a function.
- The 'Y' symbol in the schedule of works tables indicates the catchment that each asset item has been apportioned to.

4.1.7 Determination of Demand

The demand model used for the determination of the required trunk infrastructure was based on the Population and Demand model as outlined in Section 3.3 The model was then modified to include:

- Changes to the traffic generation resulting from changes to land uses through either development or town planning land use changes;
- Modification of the demand units from 'Equivalent Demand Units' (EDU[1]) to the trips per day as required by the State's LGIP template.
    - For traffic 1 EDU = 10 trips/day

The methodology used in the original development of the Douglas Shire Council's (DRAFT) Priority Infrastructure Plan (PIP) identifies demand for existing and future uses (residential and non-residential) in terms of equivalent demand units or "EDU"s. The conversion from the EDU base unit to the trips/ day base demand unit (as required by the State) is done by simply multiplying the EDU demand result by 10 (1 EDU = 10 trips/day).

4.1.7.1 Existing

Residential Uses

- All Residential land uses contained within the existing service catchment (on any zoned land) were identified and an Equivalent Demand Unit (EDU) calculated based on the intensity of the use (e.g. Single Unit Dwelling = 1 EDU, Multi-Unit Dwelling = 0.75 EDUs per unit)

Non-Residential Uses

- All Non-Residential Zoned land contained within a Charging catchment was identified and an Equivalent Demand Unit (EDU) calculated based on the EDU / Hectare for that particular Zone (e.g. Industry = 20 EDU/ha, Commercial = 28 EDU/ ha).
- Land excluded from the above process included: Non-Residential Land that contained an existing Residential Use (in which case the relevant residential demand was applied) and all vacant englobo Non-Residential Land (i.e. greater than 1 ha in size).

4.1.7.2 Future

Residential Zoned Land

- The Population Modelling previously performed for the Priority Infrastructure Plan provided a population projection for all residential zoned land on a lot by lot basis using the Planning Scheme intents to determine the expected yields.
    - The projected populations have been validated against the Census data for the Port Douglas Local Government Area for 2006, 2011 and 2016, which show reasonable correlations, and provide a level of confidence in the model accuracy of the model for the determination of infrastructure demands.
- This population was determined based on the average household size (persons per household) for a standard residential dwelling at the relevant demand year.

Non-Residential Zoned Land

[1] 1 EDU is defined as the demand created by a single detached dwelling or standard "house" lot.

- All Non-Residential Zoned land contained within a Charging catchment was identified and an Equivalent Demand Unit (EDU) calculated based on the EDU / Hectare for that particular Zone (e.g. Industry = 20 EDU/ha, Commercial = 28 EDU/ ha).
- Land excluded from the above process included: Non-Residential Land that contained an existing Residential Use (in which case the relevant residential demand was applied) and all vacant englobo Non-Residential Land (i.e. greater than 1 ha in size).

5. WATER SUPPLY TRUNK INFRASTRUCTURE

5.1 Overview

This section provides an overview of the key assumptions and methodology used to determine infrastructure charges for the Water Supply Trunk Infrastructure Network for the Douglas Shire Council's Local Government Infrastructure Plans (LGIP).

5.2 Existing Assets

5.2.1 Source of Trunk Assets

- Existing Water Supply active and passive GIS Mapping has been obtained from:
  - AutoCAD drawings, where provided by Council, design plans or 'as constructed' plans, Council records, or estimated using aerial photographs.
  - These plans were refined through reviews by Council Officers.
- Water main lengths were based upon the mapped length using GIS to calculate.
- Other asset attributes such as pipe diameters were also obtained from design plans and 'as constructed' plans and/or Council Officer knowledge.
- All Active Assets providing a function to the trunk mains have been considered trunk assets.

5.2.2 Current Replacement Costs

- Unit rates ($/m) have been applied for all passive assets based on rates provided by Cairns Water. These rates were derived from unit rate estimates provided by Cardno (refer to file: 4_Extrinsic_Material\1_Supporting_Information\1_Water Supply\4_Costs\DSC_LGIP\ SC_Unit_Rates_Costs_170804)
  - Where On-costs have been applied in the valuation of the unit rates, these have been removed to provide a RAW Cost for the infrastructure items. The RAW cost has then been indexed from the valuation date to the base date (2011) in accordance with the CPI.
- Where rates were missing for some pipe diameters, a rate was adopted from the closest equivalent size/type main, where provided.
- Active Assets: Where possible costs have been derived from Council's asset register and file "Client water calculations 09_08_07.xls). The asset register identifies costs in June 2007 dollars – these were indexed to June 2011 (base year) using Consumer Price Index (Brisbane, All Groups).
- All Existing Water Treatment Plants have been subject to the 40% subsidy available through State Government Grants and has been accounted for in determining the establishment cost of Existing Infrastructure.

5.2.3 Future Assets

5.2.3.1 Source of Trunk Assets

- Scope, location, and timings of future infrastructure and upgrades to existing infrastructure were obtained from:
  - Water Supply Planning Report – MWH, 2009 – refer to report "Division 10 (Former Douglas Shire) Water Supply Planning Report A1162900" prepared by MWH, 2009;
  - Associated GIS mapping of network augmentations;
- Officer knowledge and review and refinement of the above to separate trunk and non-trunk asset augmentations.
- Water main lengths were based upon the mapped length using GIS to calculate.

5.2.4 Current Replacement Costs

- All Future Passive Assets costs have been based on the Unit rates provided by Cairns Water (refer to existing Asset section above for more detail).
- Future Active Asset costs have been identified from the 10-year Capital Works Programming, and expressed June 2011 dollars.
- No subsidies were considered for future assets as no subsidies can be guaranteed for future works.

5.2.5 Method of Cost Apportionment

5.2.5.1 Charging Catchments

- Water Supply Charging Catchments have been based on Council's Water Service Areas, and expanded to included future serviced urban land.
- Four (4) Water Supply Trunk Infrastructure Charges Catchments have been identified.
- Assets have been allocated based on the WTP (Charges Catchment) they serve.

5.2.6 Allocation of Infrastructure

- Both existing and future assets have been allocated to the corresponding charging catchment to which they ultimately provide a function, in accordance with the "average"
- cost apportionment methodology.
- The 'Y' symbol in the schedule of works tables indicates the catchment that each asset item has been apportioned to.
- 'Regional Assets' (which are typically identified as 'Active assets') like raw water intakes and treatment plants have been apportioned to multiple catchments based on the shared use of the infrastructure across multiple catchments.
- Passive assets (water pipe reticulation network) have been allocated to the catchment in which they occur.

5.2.7 Determination of Demand

The demand model used for the determination of the required trunk infrastructure was based on the Population and Demand model as outlined in Section 3.3

The model was then modified to include:

- Changes to the demand resulting from changes to land uses through recent development or town planning land use changes;
- Modification of the base demand unit from 'Equivalent Demand Units' (EDU[1]) to "Equivalent Persons" as required by the State's LGIP template.
    - For Water Demand: 1 EDU = 2.59 Equivalent Persons

5.2.7.1 Existing

Existing Demand was calculated on the following basis:

Residential Uses

All Residential land uses contained within the existing service catchment (on any zoned land) were identified and an Equivalent Demand Unit (EDU) calculated based on the intensity of the use (e.g. Single Unit Dwelling = 1 EDU, Multi-Unit Dwelling = 0.75 EDUs per unit)

Non-Residential Uses

All Non-Residential Zoned land contained within a Charging catchment was identified and an Equivalent Demand Unit (EDU) calculated based on the EDU / Hectare for that Zone (e.g. Industry = 20 EDU/ha, Commercial = 28 EDU/ ha).

Land excluded from the above process included: Non-Residential Land that contained an existing Residential Use (in which case the relevant residential demand was applied) and all vacant englobo Non-Residential Land (i.e. greater than 1 ha in size).

5.2.7.2 Future

Future Demand was calculated on the following basis:

Residential Zoned Land

- The Population Modelling previously performed for the Priority Infrastructure Plan provided a population projection for all residential zoned land on a lot by lot basis using the Planning Scheme intents to determine the expected yields.

[1] 1 EDU is defined as the demand created by a single detached dwelling or standard "house" lot.

- The projected populations have been validated against the Census data for the Port Douglas Local Government Area for 2006, 2011 and 2016. These show a reasonable correlation and provide an improved level of confidence in the model to determine demands and infrastructure needs.

- This population was determined based on the average household size (persons per household) for a standard residential dwelling at the relevant and ultimate demand year.

Non-Residential Zoned Land

- The EDU / ha rates were applied to the area of all Non-residential zoned land to determine the ultimate EDUs.
- This demand was trended over the interim periods using the Population contained in each catchment as a proxy for demand.

6. WASTEWATER SUPPLY TRUNK INFRASTRUCTURE

6.1 Overview

This section provides an overview of the key assumptions and methodology used to determine infrastructure charges for the Waste Water Trunk Infrastructure Network for the Douglas Shire Council's Local Government Infrastructure Plans (LGIP).

6.1.1 Existing Assets

6.1.1.1 Source of Trunk Assets

- Existing Water Supply active and passive GIS Mapping has been obtained from:
  - Autocad drawings, where provided by Council, design plans or 'as constructed' plans, Council records, or estimated using aerial photographs.
  - These plans were refined through reviews by Council Officers.
- Trunk pipe lengths were based upon the mapped length using GIS to calculate.
- Other asset attributes such as pipe diameters were also obtained from design plans and 'as constructed' plans and/or Council Officer knowledge.
- All Active Assets providing a function to the trunk mains have been considered trunk assets.

6.1.2 Current Replacement Costs

- Unit rates ($/m) have been applied to all passive assets based on:
- For gravity mains and rising mains – rates provided by Cairns Water. These rates were derived from unit rate estimates provided by Cardno (refer to file:4_Extrinsic_Material\1_Supporting_Information\1_Water Supply\4_Costs\DSC_LGIP\ DSC_Unit_Rates_Costs_170804).
- The relevant rates for 'Good soil' and average depth of 1.5-3.0m were used. An allowance of 20% 'on costs' are included in these unit rates.
  - For Effluent Rising mains – applied the same rate as rising main for the relevant pipe diameters.
  - For Low Pressure mains – rates obtained from Appendix E of the Mossman WWTP Upgrade Supplementary Planning Report (April 2009) for polyethylene pipes.
  - Where On-costs have been applied in the valuation of the unit rates, these have been removed to provide a RAW Cost for the infrastructure items. The RAW cost has then been indexed from the valuation date to the base date (2011) in accordance with the CPI.
- Where rates were missing for some pipe diameters, a rate was adopted from the closest equivalent size/type main.
- Active Asset costs have been derived from Council's asset register (Refer to file "Client sewer calculations 09_08_07.xls). The asset register identifies costs in June 2007 dollars. These were indexed to June 2011 (base year) using the Consumer Price Index
- All Existing Wastewater Treatment Plants have been subject to the 40% subsidy available through State Government Grants and has been accounted for in determining the establishment cost of Existing Infrastructure.

6.1.3 Future Assets

6.1.3.1 Source of Trunk Assets

- Scope, location, and timings of future infrastructure and upgrades to existing infrastructure were obtained from:
  - Maunsell (2007) Mossman Sewerage Treatment Plant – Planning Report;
  - Maunsell (2009) Mossman WWTP Interim Upgrade Report;
  - Maunsell (2009) Mossman WWTP Supplementary Report;
  - Maunsell (2009) Mossman WWTP Supplementary Report – Addendum;
  - Associated mapping of network augmentations (digitised from hard copy plans to GIS);
  - Officer knowledge and review and refinement of the above to finalise the trunk network.
- Wastewater main lengths were based upon the mapped length using GIS to calculate.

6.1.3.2 Current Replacement Costs

- All Future Passive Assets costs have been based on the Unit rates provided by Cairns Water and the Mossman WWTP Upgrade Supplementary Planning Report (refer to existing Asset section above for more detail).
- The source of Future Active Asset costs is identified in the following table. Only those items which are identified for the construction within the life of the LGIP have been identified in the Schedule of Works.

Table 17. Current Replacement Costs for the Waste Water Supply Trunk Network.

Asset ID	Description	Asset Value*	Cost Source
NOTE01	Establishment, As Constructed Drawings, Survey, Geotechnical, Design and Contract Admin Costs	$133,959.05	Attachment A of Maunsell (2009) Mossman WWTP Supplementary Report – Addendum – Opinion of Probable Costs for Northern Recycled Water Scheme (indexed from June 2009 to June 2011 with CPI)
NOTE02	Establishment, As Constructed Drawings, Survey, Geotechnical, Design and Contract Admin Costs	$241,125.12	Attachment A of Maunsell (2009) Mossman WWTP Supplementary Report – Addendum – Opinion of Probable Costs for Southern Recycled Water Scheme (indexed from June 2009 to June 2011 with CPI)
SPSF01	Andreassen Road Pump Station	$375,084.17	Applied Same Cost Assumption as per Appendix I of the Maunsell (2009) Mossman WWTP Supplementary Report - Addendum - Opinion of Probable Costs for Southern Recycled Water Scheme
SPSF02	Marlin Drive Pump Station	$396,517.62	Appendix I of the Maunsell (2009) Mossman WWTP Supplementary Report - Wonga Beach PS
SPSF03	Miallo Pump Station	$396,517.62	Appendix I of the Maunsell (2009) Mossman WWTP Supplementary Report - Wonga Beach Intermediate PS
SPSF04	Newell Road Pump Station	$375,084.17	Appendix I of the Maunsell (2009) Mossman WWTP Supplementary Report - Mossman GC PS
SPSF05	Rankin Street Pump Station	$375,084.17	Appendix I of the Maunsell (2009) Mossman WWTP Supplementary Report - Newell Beach PS
SPSF06	Mossman WWTP Reuse Pump Station - Stage 2	$375,084.17	Attachment A of Maunsell (2009) Mossman WWTP Supplementary Report – Addendum – Opinion of Probable Costs for Southern Recycled Water Scheme (indexed from June 2009 to June 2011 with CPI)
SPSF07	Mossman Golf Course Reuse Pump Station	$375,084.17	Attachment A of Maunsell (2009) Mossman WWTP Supplementary Report – Addendum – Opinion of Probable Costs for Northern Recycled Water Scheme (indexed from June 2009 to June 2011 with CPI)

SPSF08	Existing Mossman WWTP PS Upgrade	$375,084.17	Appendix I of the Maunsell (2009) Mossman WWTP Supplementary Report - Mossman WWTP PS
SSFF01	Mossman Golf Club Reuse Storage Facility - 3ML	$321,500.55	Attachment A of Maunsell (2009) Mossman WWTP Supplementary Report – Addendum – Opinion of Probable Costs for Southern Recycled Water Scheme (indexed from June 2009 to June 2011 with CPI)
SSFF02	Mossman WWTP reuse Storage Facility - 1 ML	$1,071,668.89	Attachment A of Maunsell (2009) Mossman WWTP Supplementary Report – Addendum – Opinion of Probable Costs for Southern Recycled Water Scheme (indexed from June 2009 to June 2011 with CPI)
STPF01	Interim Mossman WWTP Upgrade - Regulate flows	$251,791.16	CRC Email dated 11/5/10 - indexed from March 2010 to June 2011 with CPI
STPF02	Interim Mossman WWTP Upgrade - Alternative sludge infrastructure	$952,495.43	CRC Email dated 11/5/10 - indexed from March 2010 to June 2011 with CPI
STPF03	Mossman WWTP Upgrade Stage 1 including Effluent reuse PS Stage 1	$15,188,046.43	Attachment A of Maunsell (2009) Mossman WWTP Supplementary Report – Addendum – Opinion of Probable Costs for Southern Recycled Water Scheme (indexed from June 2009 to June 2011 with CPI)

- No subsidies were considered for future assets as no subsidies can be guaranteed for future works.

6.1.4 Method of Cost Apportionment

6.1.4.1 Charging Catchments

- Waste water Charging Catchments have been based on Council's Wastewater Service Areas, and expanded to included future serviced urban land.
- Five (5) Wastewater Trunk Infrastructure Charges Catchments have been identified.
- Assets have been allocated based on the WTP (Charges Catchment) they serve.

6.1.4.2 Allocation of Infrastructure

- Both existing and future assets have been allocated to the corresponding charging catchment to which they ultimately provide a function, in accordance with the "average" cost apportionment methodology.
- The 'Y' symbol in the schedule of works tables indicates the catchment that each asset item has been apportioned to.
- 'Regional Assets' such as the Mossman WWTP have been apportioned to multiple catchments based on the shared use of the infrastructure across multiple catchments.

6.1.5 Determination of Demand

The demand model used for the determination of the required trunk infrastructure was based on the Population and Demand model as outlined in Section 3.3. The model was then modified to include:

- Changes to the demand resulting from changes to land uses through recent development or town planning land use changes;

- Modification of the base demand unit from 'Equivalent Demand Units' (EDU[1]) to "Equivalent Persons" as required by the State's LGIP template.
    - For Wastewater Demand: 1 EDU = 2.59 Equivalent Persons (As defined on Table 7.1 of Council's development Manual (FNQROC)

6.1.6 Existing

Existing Demand was calculated on the following basis:

Residential Uses

- All Residential land uses contained within the existing service catchment (on any zoned land) were identified and an Equivalent Demand Unit (EDU) calculated based on the intensity of the use (e.g. Single Unit Dwelling = 1 EDU, Multi-Unit Dwelling = 0.5 EDUs per unit).

Non-Residential Uses

- All Non-Residential Zoned land contained within a Charging catchment was identified and an Equivalent Demand Unit (EDU) calculated based on the EDU / Hectare for that particular Zone (e.g. Industry = 20 EDU/ha, Commercial = 28 EDU/ ha).
- Land excluded from the above process included: Non-Residential Land that contained an existing Residential Use (in which case the relevant residential demand was applied) and all vacant englobo Non-Residential Land (i.e. greater than 1 ha in size).

6.1.7 Future

Future Demand was calculated on the following basis:

Residential Zoned Land

- The Population Modelling previously performed for the Priority Infrastructure Plan provided a population projection for all residential zoned land on a lot by lot basis using the Planning Scheme intents to determine the expected yields.
- The projected populations have been validated against the Census data for the Port Douglas Local Government Area for 2006, 2011 and 2016. These show a reasonable correlation and provide an improved level of confidence in the model to determine demands and infrastructure needs.
- This population was determined based on the average household size (persons per household) for a standard residential dwelling at the relevant and ultimate demand year.

Non-Residential Zoned Land

- The EDU / ha rates were applied to the area of all Non-residential zoned land to determine the ultimate EDUs.
- This demand was trended over the interim periods using the Population contained in each catchment as a proxy for demand.

[1] 1 EDU is defined as the demand created by a single detached dwelling or standard "house" lot.

7. PUBLIC PARKS AND LAND FOR COMMUNITY FACILITIES TRUNK INFRASTRUCTURE

7.1 Overview

This section provides an overview of the key assumptions and methodology used to determine infrastructure charges for the Public Parks and Land for Community Facilities Trunk Infrastructure Network for the Douglas Shire Council's Local Government Infrastructure Plans (LGIP).

7.1.1 Existing Assets

7.1.1.1 Source of Trunk Assets

- Existing park (land) assets were obtained from Douglas Shire Council asset database and associate GIS asset mapping.
- Identification of land acquired prior to 1 January 1990 was subsequently identified by Strategic Leisure Pty Ltd (Parks Planning consultant) in consultation with Council Officers.
- Embellishments contained within existing parks were identified by former Douglas Shire officers based on a 'stocktake' of embellishments contained within – refer to 'Asset List' tab within the file "100518_DSC_Park_Embellishments_Table.xls"

7.1.1.2 Current Replacement Costs

- The value of existing parks (land component) acquired after 1 January 1990 was based on unimproved capital value (UCV) data extracted from PDS Live. The rates used varied depending on park hierarchy and locality – refer to file "100518_Land_Valuations_Pop_Model.xls" for data sources and summary land values.
- Land values for District Parks, Local Government Wide Parks and Community Facilities were generally based on 50% of the value of Local Recreation Parks for the relevant locality (the exception being for District Parks located in Port Douglas where land values are typically higher than other townships). This is based on typically larger parcels of land being required and hence an overall lower 'englobo' rate.
- The value of embellishments contained in existing parks (whether or not the park was acquired after 1 January 1990) was based on a combination of Council asset data and external data from other Queensland Local Governments – refer to Background Data and Legend tab within excel file "100518_DSC_Park_Embellishments_Table.xls".
- The Council asset data was in the form of unit rates – refer to file "#854357-v4B-Unit_Rates_for_Traffic_Management_Plans.xls". All unit rates were multiplied by the total number of assets identified for each park. A total embellishment cost for each park could then be determined.
- No contingencies or 'on costs' were included in the existing asset valuations.
- No subsidies were removed for existing assets, as no external subsidies were provided.

7.1.2 Future Assets

7.1.2.1 Source of Trunk Assets

- The scope of future parks (and upgrades to existing parks) is based on the Cairns Regional Council (Former Douglas Shire) Public Parks and Land for Community Purposes Trunk Infrastructure Planning Study (May 2010) and associated GIS data prepared by Strategic Leisure Group Pty Ltd.
- The scope of future embellishments was based on a 'palette' approach whereby a standard 'suite' of embellishments are to be provided in each future park (and park upgrade) based on Council standards of service for each park hierarchy as specified in Table "100518_Final Parks v2 (post1990+new) _Embellishments Future June 2006 dollars".
- Where parks are being refurbished, the existing assets are also included in the charge, as it is assumed that these assets/embellishments will be retained.

7.1.2.2 Current Replacement Costs

- The value of future parks (land component) was determined using the same rates as per the existing parks.
- The value of future park embellishments (and future embellishments in existing parks) was based on the costs identified by Strategic Leisure using the 'palette' of standard embellishments for different park hierarchies – refer to file "100518_Final Parks v2 (post1990+new) _Embellishments Future June 2006 dollars". The rates identified by Strategic Leisure were in March 2010 dollars – these were indexed to June 2011 from March 2010 using CPI.

7.1.3 Method of Cost Apportionment

7.1.3.1 Charging Catchments

- The draft Douglas LGIP has nine (9) Public Parks and Land for Community Facilities charges catchments. These catchments have been derived from the planning scheme Planning Localities.

7.1.3.2 Allocation of Infrastructure

- Allocation of parks to catchments was undertaken by Strategic Leisure and is reflected in the infrastructure schedules on the following basis: -
  - Natural 'barriers' form the boundaries of the Rural Area catchments (e.g. Mossman River, Daintree River, Mowbray River).
  - All local recreation parks were allocated to the relevant catchment that it is completely contained within.
  - Some district parks were allocated to individual catchments, however a significant proportion were allocated across more than catchment to reflect their shared use across the local government area.
  - Local government wide parks were allocated across all catchments.

7.1.4 Determination of Demand

The demand model used for the determination of the required trunk infrastructure was based on the Population and Demand model as outlined in Section 3.3. The model was then modified to include:

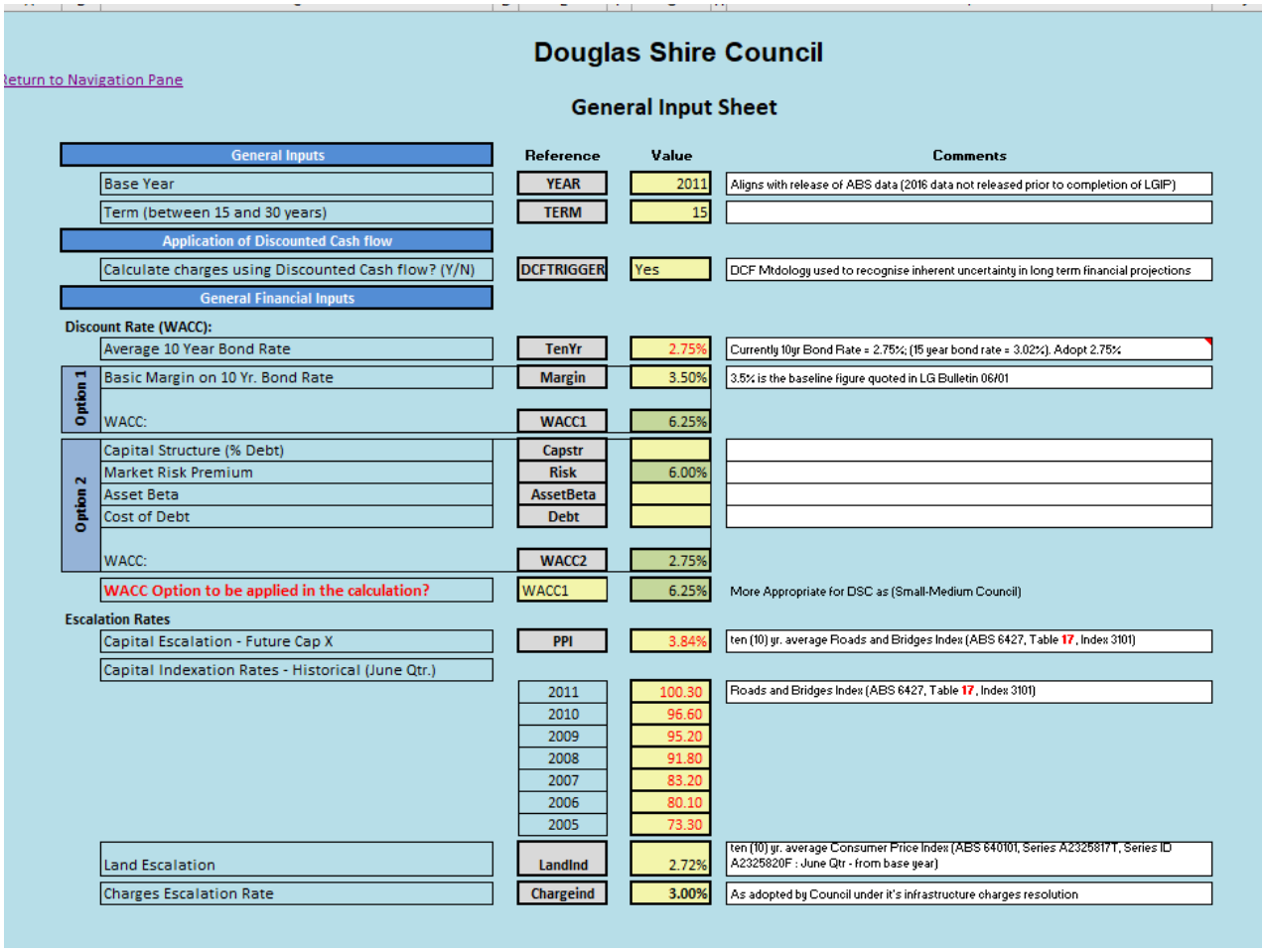
- Demand based on residential demand only.
- Changes to the demand resulting from changes to land uses through recent development or town planning land use changes;
- Modification of the base demand unit from 'Equivalent Demand Units' (EDU[1]) to "Equivalent Persons" as required by the State's LGIP template.
  - For "PPCL Demand" the population in each of the sections were used.

[1] 1 EDU is defined as the demand created by a single detached dwelling or standard "house" lot.

7.2 Financial Modelling Assumption

The financial modelling assumptions that have been adopted for use in the DSC LGIP have been shown in the Figure below. The information used to support the assumed rates have been included in the Supporting Material in the Extrinsic Material.

Figure 1: Financial Inputs in the Douglas Shire Council LGIP



Douglas Shire Council

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General Input Sheet

	General Inputs	Reference	Value	Comments
	Base Year	YEAR	2011	Aligns with release of ABS data (2016 data not released prior to completion of LGIP)
	Term (between 15 and 30 years)	TERM	15	
	Application of Discounted Cash flow			
	Calculate charges using Discounted Cash flow? (Y/N)	DCFTRIGGER	Yes	DCF Mtdology used to recognise inherent uncertainty in long term financial projections
	General Financial Inputs			
	Discount Rate (WACC):			
	Average 10 Year Bond Rate	TenYr	2.75%	Currently 10yr Bond Rate = 2.75%; (15 year bond rate = 3.02%). Adopt 2.75%
Option 1	Basic Margin on 10 Yr. Bond Rate	Margin	3.50%	3.5% is the baseline figure quoted in LG Bulletin 06/01
Option 1	WACC:	WACC1	6.25%	
Option 2	Capital Structure (% Debt)	Capstr		
Option 2	Market Risk Premium	Risk	6.00%	
Option 2	Asset Beta	AssetBeta		
Option 2	Cost of Debt	Debt		
Option 2	WACC:	WACC2	2.75%	
	WACC Option to be applied in the calculation?	WACC1	6.25%	More Appropriate for DSC as (Small-Medium Council)
	Escalation Rates			
	Capital Escalation - Future Cap X	PPI	3.84%	ten (10) yr. average Roads and Bridges Index (ABS 6427, Table 17, Index 3101)
	Capital Indexation Rates - Historical (June Qtr.)			
		2011	100.30	Roads and Bridges Index (ABS 6427, Table 17, Index 3101)
		2010	96.60	
		2009	95.20	
		2008	91.80	
		2007	83.20	
		2006	80.10	
		2005	73.30	
	Land Escalation	LandInd	2.72%	ten (10) yr. average Consumer Price Index (ABS 640101, Series A2325817T, Series ID A2325820F : June Qtr - from base year)
	Charges Escalation Rate	Chargeind	3.00%	As adopted by Council under it's infrastructure charges resolution

APPENDIX A
Extrinsic Material

Extrinsic material

The below table identifies the documents that assist in the interpretation of the local government infrastructure plan and are extrinsic material under the *Statutory Instruments Act 1992*.

Column 1 Title of document	Column 2 Date	Column 3 Author
Planning		
Douglas Shire Council Planning Scheme	2006	Douglas Shire Council & Cairns Regional Council
Proposed Douglas Shire Council Planning	2016	Douglas Shire Council
CRC Asset Registers and Data (During amalgamation	Various (circa 2009)	Cairns Regional Council
DSC Asset Registers and Data	2016 (part)	Douglas Shire Council
QGSO Estimated Residential Population and Population Forecasts by LGA, 2011 – 2036	2013	QGSO
FNQROC Development Manual – Issue 6	2014	FNQROC
Review of Owners Project Cost and Contingency Allowances, Evans and Peck	2009	Evans and Peck
Douglas Shire Council (DRAFT) Priority Infrastructure Plan	2010	Integran – Infrastructure Management
Water		
DNRM Planning guidelines for water supply and sewerage	2014	Department of Energy and Water Supply
NHMRC Australian Drinking Water Guidelines, V6	2011	Australian Government, National Health and Medical ResearchCouncil
FNQROC Development Manual – Issue 6 Works Design Guidelines D6 – Water Reticulation,	2014	FNQROC
WSAA Codes,	2011	Water Services Association of Australia.
Planning Guidelines for Water and Sewage,	2014	QLD Department of Energy and Water Supply
Mossman WWTP Interim Upgrade Report Mossman WWTP Supplementary Report Mossman WWTP Supplementary Report – Addendum	2009	Maunsell Australia Pty Ltd (Now AECOM)
Division 10 (Former Douglas Shire) Water Supply ning Report	2009	MWH (now Stantec)
Division 10 (Former Douglas Shire) Water Supply ning Report	2010	MWH (now Stantec)
Water and Wastewater As Constructed Plans	various	Douglas Shire Council

Water Supply and Sewerage Asset Register and al Works Programs	2017	Douglas Shire Council
Water and Sewerage Asset Valuations Report	2006 2016 (part)	Cardno
Douglas Shire Council – Total Management Plan	2007	Douglas Shire Council
Douglas Shire Council – Water Treatment Plants – Planning Report	1999	GHD
Douglas Shire Council – Water Treatment Plants – Planning Report	1999	Kinhill Cameron McNamara
Far North Queensland (DRAFT) Regional Water Supply Strategy	2007	Qld Government Department of Natural Resources and Water
Douglas Shire Council (DRAFT) Priority Infrastructure Plan (Population and Demand Model) Desired Standards of Service	2010	Integran : Infrastructure Management
Douglas Shire Council Rex Creek Intake Upgrade Options Assessment Report	2017	GHD
Waste Water		
DNRM Planning guidelines for water supply and sewerage	2014	Department of Energy and Water Supply
Mossman and Port Douglas WWTP – Catchments Sewerage Infrastructure – Growth Management Plan	2013	MWH (now Stantec
Douglas Shire Council Mossman Water Security Planning Report Reliability Assessment	2016	GHD
Maunsell (2007) Mossman Sewerage Treatment Planning Report	2007	Maunsell Australia Pty Ltd (Now AECOM)
FNQROC Development Manual – Issue 6 Works Design Guidelines D6 – Water Reticulation,	2014	FNQROC
WSAA Codes,	2011	Water Services Association of Australia.
Planning Guidelines for Water and Sewage,	2014	QLD Department of Energy and Water Supply
Mossman WWTP Interim Upgrade Report Mossman WWTP Supplementary Report Mossman WWTP Supplementary Report – Addendum	2009	Maunsell Australia Pty Ltd (Now AECOM)

Division 10 (Former Douglas Shire) Water Supply hing Report	2009	MWH (now Stantec)
Water and Wastewater As Constructed Plans	various	Douglas Shire Council
Water Supply and Sewerage Asset Register and al Works Programs	2017	Douglas Shire Council
Water and Sewerage Asset Valuations Report	2006 2016 (part)	Cardno
Douglas Shire Council (DRAFT) Priority Infrastructure Plan (Population and Demand Model) Desired Standards of Service	2010	Integran : Infrastructure Management
Stormwater		
Douglas Shire Council (DRAFT) Priority Infrastructure Plan (Desired Standards of Service)	2010	Integran : Infrastructure Management
FNQROC Development Manual – Issue 6 Works Design Guidelines D4 – Stormwater Drainage Works Design Guidelines D5 – Stormwater Quality	2014	FNQROC
Transport		
Douglas Shire Council (DRAFT) Priority Infrastructure Plan	2010	Integran : Infrastructure Management
FNQROC Development Manual – Issue 6 Works Design Guidelines D1 – Road Geometry D3 – Road Pavements D8 – Utilities D9 – Landscaping FNQROC - Standard Drawings	2014	FNQROC
Douglas Shire Council Critical Bridge Information	2007	Texcel
DSC GIS Asset Data sets	2016	Douglas Shire Council
Douglas Shire Council Report on Bitumen Sealing he Cape Tribulation Road Through World Heritage Listed Property.		
Unit Rate Book for Council Assets (#646604-v6)	2009	Cairns Regional Council

Unit Rates for Transport Network Plans (#854357)	2009	Cairns Regional Council
DSC Bridges Strategy	2009	Cairns Regional Council / Douglas Regional Council (Amalgamated)
CRC Register of Bridges	2009	Cairns Regional Council
Bridge Data	various	Department of Transport and Main Roads
TMR Bridge Cost Information (#2432888)	2009	Department of Transport and Main Roads (TMR)
Junction Creek Pedestrian Bridge – Detailed Design and Costing Report	2017	GHD
LGIP Wharf St Intersection Preliminary Cost Schedule	2017	Trinity Engineering and Consulting
Far North Queensland Principal Cycle Network Plan	2016	Department of Transport and Main Roads (TMR)
Far North Queensland Principal Cycle Network Plan Addendum – Priority Route Maps	2017	Department of Transport and Main Roads (TMR)
Strategy Report (DRAFT) Port Douglas to Newell Beach Cycle Route	2017	Point 8 (in association with Zwart Transport Planning)
Public Parks and Land for Community Purposes P		
Douglas Shire Council (DRAFT) Priority Infrastructure Plan	2010	Integran : Infrastructure Management
Former Douglas Shire Public Parks and Land for Community Purposes Trunk Infrastructure Planning Study	2009	Strategic Leisure
FNQROC Development Manual – Issue 6 Works Design Guidelines D9 – Landscaping FNQROC - Standard Drawings	2014	FNQROC
DSC GIS Asset Data sets	2016	Douglas Shire Council
PDSLive – Extract of Property Sale	2017	PDS Live
DSC Park Embellishment Data	2010	CRC

Modelling		
Appendix C – Schedule of Works Model user manual	2016	DILGP
Queensland Department of Local Government and Planning, "Update on National Competition Policy Issues", Local Government Bulletin Ref 06/01; 6th June 2001	June 2001	Queensland Department of Local Government and Planning

Douglas Shire Council
Anticipated Growth - Residential

Return to "Catchment Demand"

(Note: For users seeking to calculate costs over a thirty (30) year period, dwelling data needs to be entered in the detailed table (rows 66-114))

LGIP Table 3.1.4—Existing and projected residential dwellings (by census yr.)

Projection area	LGIP development type	Existing and projected residential dwellings 2011	2016	2021	2026	2031	Calculated Charges	Maximum Charge (AICS 2016)	Levied Charges
Port Douglas and Environs	Separate House	1,862	2,020	2,188	2,362	2,545	$ 19,491	$ 25,870	$ 19,491
	Semi, Detached, Flats	1,831	1,987	2,154	2,328	2,509	$ 15,718	$ 22,174	$ 15,718
	Other	626	679	737	796	852	$ 10,479	$ 14,783	$ 10,479
	Total	**4,319**	**4,686**	**5,079**	**5,486**	**5,905**			
Mossman and Environs	Separate House	287	310	337	366	391	$ 23,382	$ 25,870	$ 23,382
	Semi, Detached, Flats	282	305	332	361	386	$ 19,053	$ 22,174	$ 19,053
	Other	96	104	113	123	132	$ 12,702	$ 14,783	$ 12,702
	Total	**665**	**719**	**782**	**850**	**909**			
Coastal Suburbs, Villages and Townships (Cooya Beach)	Separate House	108	130	152	175	197	$ 21,335	$ 25,870	$ 21,335
	Semi, Detached, Flats	106	128	150	173	195	$ 17,298	$ 22,174	$ 17,298
	Other	36	44	51	59	67	$ 11,532	$ 14,783	$ 11,532
	Total	**250**	**302**	**353**	**407**	**459**			
Coastal Suburbs, Villages and Townships (Daintree Township)	Separate House	15	16	18	21	23	$ 154,034	$ 25,870	$ 25,870
	Semi, Detached, Flats	15	16	18	21	23	$ 119,102	$ 22,174	$ 22,174
	Other	5	6	6	7	8	$ 79,402	$ 14,783	$ 14,783
	Total	**35**	**38**	**42**	**49**	**53**			
Coastal Suburbs, Villages and Townships (Newell Beach)	Separate House	76	80	83	87	91	$ 23,059	$ 25,870	$ 23,059
	Semi, Detached, Flats	75	78	82	85	89	$ 18,776	$ 22,174	$ 18,776
	Other	26	27	28	29	30	$ 12,517	$ 14,783	$ 12,517
	Total	**177**	**185**	**193**	**201**	**209**			
Coastal Suburbs, Villages and Townships (Wangetti)	Separate House								
	Semi, Detached, Flats								
	Other								
	Total								
Coastal Suburbs, Villages and Townships (Wonga Beach)	Separate House	129	144	160	177	193	$ 37,844	$ 25,870	$ 25,870
	Semi, Detached, Flats	127	142	158	174	190	$ 31,448	$ 22,174	$ 22,174
	Other	43	49	54	60	66	$ 20,966	$ 14,783	$ 14,783
	Total	**299**	**335**	**372**	**411**	**448**			
Outside priority infrastructure area (total)	Separate House	877	890	906	924	939	$ -		$ -
	Semi, Detached, Flats	862	876	892	910	925	$ -		$ -
	Other	295	300	305	311	316	$ -		$ -
	Total	**2,034**	**2,066**	**2,103**	**2,145**	**2,180**			
Douglas Shire Council	Separate House	3,354	3,590	3,844	4,112	4,377			
	Semi, Detached, Flats	3,298	3,532	3,786	4,052	4,315			
	Other	1,127	1,209	1,294	1,385	1,469			
	Total	7,779	8,331	8,924	9,549	10,161			

LEGEND

$ 1,234.00	Charges Capped by AICS (2016)
$ -	Charges Calculated through LGIP

Douglas Shire Council
Anticipated Growth - Non Residential

Return to "Catchment Demand"

(Note: For users seeking to calculate costs over a thirty (30) year period, Non residential floor space needs to be entered in the detailed table (rows 93-164))

LGIP Table 3.1.5—Existing and projected non-residential floor space (by census yr.)

Projection area	LGIP development type	Existing and projected non - residential floor space 2011	2016	2021	2026	2031	Calculated Charges (LGIP) ($/m2)	Maximum Charge (AICS 2016) $/m2	Levied Charges ($/m2)
Port Douglas and Environs	Industrial	35,064	36,714	38,514	40,164	41,892	$ 169.65	$ 46.19	$ 46.19
	Commercial	27,896	29,306	30,716	32,096	33,508	$ 233.59	$ 129.34	$ 129.34
	Retail	6,339	6,639	6,939	7,239	7,539	$ 52.56	$ 166.30	$ 52.56
	Community Services	2,167	2,267	2,367	2,467	2,567	$ 0.97	$ 141.55	$ 0.97
	Others (incl. home based business)								
	Total	**71,466**	**74,926**	**78,536**	**81,966**	**85,506**			
Mossman and Environs	Industrial	37,986	39,936	41,886	43,686	45,639	$ 208.37	$ 46.19	$ 46.19
	Commercial	11,386	11,956	12,526	13,096	13,667	$ 134.60	$ 129.34	$ 129.34
	Retail	2,305	2,425	2,545	2,665	2,785	$ 27.43	$ 166.30	$ 27.43
	Community Services	867	917	967	1,017	1,067	$ 4.09	$ 141.55	$ 4.09
	Others (incl. home based business)								
	Total	**52,544**	**55,234**	**57,924**	**60,464**	**63,158**			
Coastal Suburbs Villages and Townships	Industrial	-	-	-	-	-	$ -	$ 46.19	$ -
	Commercial	9,678	10,188	10,698	11,178	11,689	$ 150.88	$ 129.34	$ 129.34
	Retail	2,305	2,425	2,545	2,665	2,785	$ 35.95	$ 166.30	$ 35.95
	Community Services	867	917	967	1,017	1,067	$ 5.30	$ 141.55	$ 5.30
	Others (incl. home based business)								
	Total	**12,850**	**13,530**	**14,210**	**14,860**	**15,541**			
Douglas Shire Council	Industrial	73,050	76,650	80,400	83,850	87,530			
	Commercial	48,960	51,450	53,940	56,370	58,864			
	Retail	10,950	11,490	12,030	12,570	13,109			
	Community Services	3,900	4,100	4,300	4,500	4,702			
	Others (incl. home based business)	-	-	-	-	-			
	Total	136,860	143,690	150,670	157,290	164,205			

LEGEND

$ 1,234.00	Charges Capped by AI
$ -	Charges Calculated th

Appendix D – LGIP Checklist

Appendix D is part of Statutory Guideline 03/14 – Local government infrastructure plans

Review principles:

- A reference in the checklist to the LGIP Template is taken to include a relevant reference to the SPA, statutory guideline for LGIPs, statutory guideline for MALPI or the Queensland Planning Provisions (QPP).
- Compliance requirements are not limited to the requirements listed in the checklist.

Local government infrastructure plan (LGIP) checklist				To be completed by local government		To be completed by appointed reviewer			
LGIP guideline outcome	**LGIP component**	**Number**	**Requirement**	**Requirement met (yes/no)**	**Local government comments**	**Compliant (yes/no)**	**Justification**	**Corrective action description**	**Recommendation**
The LGIP is consistent with the legislation and statutory guideline for LGIPs	**All**	1.	The LGIP sections are ordered in accordance with the LGIP template.	YES	The LGIP sections are structured and ordered in accordance with the LGIP template	Yes	The sections are consistent with the LGIP guideline template.	No action required.	Complies
		2.	The LGIP sections are correctly located in the planning scheme.	YES	The LGIP will be located in section 4 of the Douglas Shire Council Planning Scheme	Yes	The location of the LGIP is Part 4 of the planning scheme.	No action required.	Complies – review underway.
		3.	The content and text complies with the mandatory components of the LGIP template.	YES	Complies	Yes	The LGIP contains all mandatory content.	No action required.	Complies
		4.	Text references to numbered paragraphs, tables and maps are correct.	YES	Complies	Yes	The LGIP correctly references tables and maps.	No action required.	Complies
	Definitions	5.	Additional definitions (to those in the QPP) do not conflict with statutory requirements.	YES	There are no additional / alternative definitions used.	Yes	There are no additional definitions.	No action required.	Complies
	Preliminary section	6.	The drafting of the Preliminary section is consistent with the LGIP template.	YES	The drafting of the preliminary section has been undertaken in accordance with the LGIP template	Yes	The preliminary section is consistent with the template.	No action required.	Complies
		7.	All five trunk networks included in the LGIP. If not, which networks are excluded? Why have these networks been excluded?	YES*	The LGIP contains detailed planning for the water, sewerage, roads, paths, and public parks and community facilities trunk network. However, the stormwater trunk infrastructure network has not been *detailed* in the LGIP. This is a result of insufficient information being currently available to undertake reliable, (detailed) infrastructure planning for this network. Under the current version of the LGIP, a provision for detailed infrastructure planning in the forms of a drainage management plan (DMP) for the Port Douglas and Environs and Mossman and Environs regions.	Yes	The exclusion of stormwater is appropriate as Council has not completed the planning. Council will undertake an amendment to include stormwater when the planning is available.	No action required.	Complies
	Planning assumptions - structure	8.	The drafting of the Planning assumptions section is consistent with the LGIP template.	YES	The drafting of the planning assumptions has been prepared using the LGIP template. It is noted that section 4.2.2 of the template requires developable areas to be mapped in Schedule 3. Council requests a relaxation of this requirements as it is not considered reasonable (or indeed possible at this stage) to map the developable areas, given they are affected by a range of locality specific constraints and opportunities, and design matters which may only be determined on a case-by-case basis.	Yes	The planning assumptions section is consistent.	No action required.	Complies

					The developable areas are generally depicted on the zones (Which are also on the PIA maps).				
		9.	All the projection areas listed in the tables of projections are shown on the relevant maps and vice versa.	YES	All the projection areas listed in the tables of projections are shown on the relevant maps and vice versa.	Yes	The projections areas are shown on a map.	No action required.	Complies
		10.	All the service catchments listed in the tables of projected infrastructure demand are identified on the relevant PFTI maps and vice versa.	YES	Separate service catchment maps have been provided as part of the PFTI maps.	Yes	The service catchments are shown on the relevant PFTI map series.	No action required.	Complies
	Planning assumptions - methodology	11.	The population and dwelling projections reflect those prepared by the Qld Government Statistician (as available at the time of preparation).	YES	The population and dwelling projections are aligned with forecasts prepared the QGSO that were current as at 1/6/17. The base year of the projections contained in the LGIP is 2011, as it provided the most recent complete set of data from an Australian Census. Australia's 2016 census data was not released at the time of the preparation of the LGIP. The resident population as reported by the QGSO at 2011 was 11,186 persons. However, to appropriately account for infrastructure demand generated by tourists, the population projections contained in the Douglas LGIP must include tourist projections. At base year the tourist population is estimated to be 5,364 (based on Visitor Population from the ABS), taking the total population (residents and tourists) to 15,546 in 2011. This equates to a visitor to resident population of 45.4%. At the time of writing the LGIP, the Population data from the 2016 Census had just been released. Similarly, the figures for Residents = 11,911 persons Visitors = 6,490 persons Visitors / Residents = 54.8% Due to the variability of tourist numbers, and average of the two census years was taken (=49.94 (~50%)) Resident population projections for the subsequent time periods are based on the medium series forecasts, with tourist projections increasing in line with population growth. Dwelling forecasts have been determined by converting population to dwellings using average household size information from QGSO and ABS. The breakdown between dwelling types has also been based on 2011 ABS census data (dwelling types and persons per	Yes	The total populations are consistent with the QGSO medium series as detailed in Queensland Government population projections and ABS data, with specific consideration of tourists.	No action required.	Complies

					dwelling based on Place of Enumeration (PEP) ABS Table B31).			
		12.	The employment and non-residential development projections align with the available economic development studies, other reports about employment or historical rates for the area.	YES	The employment and non-residential projections are based on ABS employment and labour force data for base year projected in increase in line with population growth. Employment and floor space projections have been allocated to projection areas based on an assessment of non-residential land uses and demands by planning district.	Yes	Employment projections are consistent with ABS census.	No action required.	Complies
		13.	The developable area excludes all areas affected by absolute constraints such as steep slopes, conservation and flooding.	YES	Projected population and employment growth have been estimated considering absolute constraints to development. The extent of urban zones in the draft Planning Scheme (2016) already incorporates overlay constraints such as flooding, hillslopes and natural areas.	Yes	Flooding, water and environmental constraints are removed as stated in the planning assumption methodology extrinsic material document.	No action required.	Complies
		14.	The planned densities reflect realistic levels and types of development having regard to the planning scheme provisions and current development trends.	YES	The assumed densities identified in the LGIP are based on an assessment of Planning Scheme Code provisions, average allotment yields determined through review of the DCDB, previous development approvals, and discussions with Council planners. The densities used are considered realistic based on market demand in the Local government area. A review of the Council's Demand and Population model which has was developed prior to 2011 and based on the assumed densities, shows a high degree of correlation (+/- 10%) , which further supports and validates the density assumptions made.	Yes	Densities are consistent with the anticipated uses in accordance with the Planning Scheme	No action required.	Complies
		15.	The planned densities account for land required for local roads and other infrastructure.	YES	20-30% allowance for road, open space and other infrastructure has been factored into the density calculations.	Yes	Densities are consistent with the anticipated uses in accordance with the Planning Scheme allowing for local infrastructure footprints.	No action required.	Complies
		16.	The population and employment projection tables identify "ultimate development" in accordance with the QPP definition.	YES	The population and employment projection tables identify "ultimate development" in accordance with the QPP definition. This is estimated to be at approximately 2061.	Yes	Ultimate capacity is stated in planning assumptions.	No action required.	Complies
		17.	Based on the information in the projection tables and other available material, it is possible to verify the remaining capacity to accommodate growth, for each projection area.	YES	LGIP planning assumptions tables have been prepared using the format required of the LGIP template, which shows projections for each projection year and ultimate development. From this information, it is possible to determine remaining capacity after each time period.	Yes	The difference between the Ultimate and 2026 projections provide an indication of available capacity in each projection area.	No action required.	Complies

		18.	The planning assumptions reflect an efficient, sequential pattern of development.	YES	The planning assumptions reflect the planning scheme provisions and associated land use pattern, the extent of growth areas, propensity to develop, and align with QGSO forecasts. The PIA are considered defined to constrain development in area to ensure an efficient and sequential pattern of development.	Yes	The PIA allows for additional development.	No action required.	Complies
		19.	Has the Department of Transport and main Roads or any relevant distributor-retailer been consulted in the preparation of the LGIP? What was the outcome of the consultation?	YES	TMR was consulted in relation to the LGIP and its integration of with their planning. Outcomes: 1) TMR initially advised that they thought the initial designation of road hierarchies was excessive. These have been reviewed in line with those recommended by TMR and consultation with Council's traffic and transport planners and Engineers. 2) Craiglie Bypass: TMR advised a preference for transport planning to be undertaken on the western side of the Highway at Craiglie. Whilst this was outside of the projected planning horizon, it's location, nominal road alignment and associated infrastructure have been identified within the PFTI and the SoW as an "Area of Investigation". No cost has been considered in the context of infrastructure required to service this area in the current LGIP. It is expected that this will be refined over the next reviews of the LGIP as discussions with Council and TMR continue. 3) TMR are not planning any upgrade/ capital works along any of the SCR or trunk roads in the next 15 years. Although that is subject to change. Council has acknowledged TMR's advice and made changes to the LGIP planning and SoW to reflect these comments.	Yes	Evidence of consultation has been provided.	No action required.	Complies
	Planning assumptions - demand	20.	The infrastructure demand projections are based on the projections of population and employment growth.	YES	Infrastructure demand projections have been expressed in the units defined by the LGIP template. The rates of growth in demand is reflective of population and employment growth. The projections have been prepared at the service catchment level and reflect generally understood and recognised demand generation	Yes	The demand for all networks has been developed from the planning assumptions.	No action required.	Complies

					rates for the respective zones and land uses.			
		21.	The demand generation rates align with accepted rates and/or historical data.	YES	The projections have been prepared at the service catchment level and reflect generally understood and recognised demand generation rates for the respective zones and land uses. The DSC demand generation rates have been benchmarked and validated against historic data and compared to CRC Council's demand generation rates. The demand generation rates reflect generally accepted rates defined in relevant standards (FNQROC).	Yes	The demand generation rates are consistent with the guideline.	No action required.	Complies
		22.	The service catchments used for infrastructure demand projections are identified on relevant PFTI maps and demand tables.	YES	Service catchments are identified in the PFTI maps contained in Schedule 3, for each network, and within the demand tables.	Yes	The service catchments are shown on each networks' maps, and these catchments are consistent with the demand tables.	No action required.	Complies
		23.	The service catchments for each network cover, at a minimum, the PIA.	YES	Refer to the network catchment maps, and PIA Plans as contained in Schedule 3	Yes	The service catchments cover the PIA.	No action required.	Complies
		24.	The Asset Management Plan and Long Term Financial Forecast align with the LGIP projections of growth and demand. If not, is there a process underway to achieve this?	YES* (in progress)	Through the LGIP development process, Council recognised the importance of alignment of these varying management documents. While some alignment had been undertaken in the past there is now an increased awareness of the criticality of such within the organisation. Council has committed resources to the development and refinement of their AMP, LTAMP, LTFF. However, at the time of the preparation of the LGIP, this process was still ongoing. There remains a need to further develop data management and business practices to ensure a commonly agreed set of base assumptions and data capture between the LGIP, LTAMP and LTFF.	Yes	Council has undertaken to develop longer term plans including LTFF and AMPs.	No action required.	Complies – process underway
	Prioirty infrastructure area (PIA)	25.	The drafting of the PIA section is consistent with the LGIP template.	YES	The drafting of the PIA section is consistent with the LGIP template.	Yes	The section is consistent with the LGIP guideline template.	No action required.	Complies
		26.	Text references to PIA map(s) are correct.	YES	Refer to the PIA Plans in Schedule 3	Yes	The references are correct.	No action required.	Complies
		27.	The PIA boundary shown on the PIA map is legible at a lot level and the planning scheme zoning is also shown on the map.	YES	Refer to the PIA Plans in Schedule 3	Yes	The PIA boundary is legible at the lot level, on a base of the planning scheme zones.	No action required.	Complies
		28.	The PIA includes all areas of existing urban development serviced by all relevant trunk infrastructure networks at the time the LGIP was prepared.	YES	The PIA includes all areas of existing urban development with all relevant trunk networks	Yes	The PIA boundary is legible at the lot level, on a base of the planning scheme zones.	No action required.	Complies

		29.	The PIA accommodates growth for at least 10 years but no more than 15 years.	YES	The PIA accommodates growth for approximately 10 years of urban growth from the date of adoption (expected 2018). The lower bound of provision has been provided for, based on the revised (and reduced) growth projections by the QGSO released in 2016. If the reduced growth projections are used – then there is capacity for approximately 15 yrs of development within the PIA.	Yes	The planning assumptions show there is capacity in the PIA to 2031 allowing for 10-15 years' growth.	No action required.	Complies
		30.	Are there areas outside the PIA for which the planning assumptions identify urban growth within the next 10 to15 years? If so, why have these areas been excluded from the PIA?	YES	There are some locations outside of the PIA where growth may occur in the next 10-15 years. This is primarily due to the planning scheme having more zone land available than is contained within the PIA, and the exact location of growth within the next 10-15 year is not clear. The definition of a PIA which excludes some areas in which development may occur is to enable Council to focus their energy and resources into the efficient planning and delivery of infrastructure to areas contained within the PIA. IT should be noted that the extent of growth is very minor and unlikely to influence any new capital works in these locations. As such, it is not expected that it would alter the planning and demand assumptions within the PIA.	Yes	There is no significant urban growth identified outside the PIA.	No action required.	Complies
		31.	The PIA achieves an efficient, sequential pattern of development.	YES	While minor growth is projected to occur outside the PIA, the PIA focusses on fully serviced urban zoned land only. This will help to achieve efficiencies in infrastructure provision by encouraging the logical extension to the current urban form.	Yes	Provision of infrastucture within the PIA achieves an efficient pattern of development.	No action required.	Complies
	Desired standards of service (DSS)	32.	The drafting of the DSS section is consistent with the LGIP template.	YES	The LGIP has been prepared using the LGIP template and has a desired standard of service (DSS) clearly articulated for each network.	Yes	The section is consistent with the LGIP guideline template.	No action required.	Complies
		33.	The DSS section states the key planning and design standards for each network.	YES	The DSS section states the key planning and design standards for each network.	Yes	The DSS section outlines the key planning and design standards.	No action required.	Complies
		34.	The DSS reflects the key, high level industry standards, regulatory and statutory guidelines and codes, and planning scheme policies about infrastructure.	YES	The DSS for each network refers to the key standards contained in other relevant documents (eg. FNQROC Development Manual, QUDM etc)	Yes	The DSS are consistent with industry standards.	No action required.	Complies
		35.	There is alignment between the relevant levels of service stated in the local government's Long-Term Asset Management Plan (LTAMP) and the LGIP. If not, is there a process underway to achieve this?	YES*	It is the intention of Council's LTAMP to provide and fund infrastructure in an effective and efficient manner that reduces whole of life cycle costs while meeting community expectations and standards. The LTAMP in and of itself does	Yes	Council has undertaken to compile long term LTFF and AMPs.	No action required.	Complies – process underway

					not identify specific infrastructure Standards. However, Council's defined Desired Standards of Service (DSS) and infrastructure planning that forms part of the LGIP, also seeks to minimise whole of lifecycle costs. Furthermore, the DSS and infrastructure standards currently adopted by Council are reflected in the Council's FNQROC Development Manual. The FNQROC Development Manual refers to widely accepted standards and practices for the planning, design and construction of infrastructure in a safe and efficient manner, an in a way that minimises the whole of lifecycle costs. The FNQROC Manual has been developed and refined over time by a collective of Far North Region Councils. It represents the current best practice and minimum acceptable standards requried to meet the Desired Standards of Service. It is a combination of these processes, which demonstrate alignment of intents between the LGIP and LTAMP. Council is also currently developing their Strategic and Long-Term Asset Management Policies. Once completed, it is a requirement for Council to review the LGIP and LTAMP's to ensure congruence.				
	Plans for trunk infrastructure (PFTI) – structure and text	36.	The drafting of the PFTI section is consistent with the LGIP template.	YES	The LGIP has been prepared using the LGIP template	Yes	The section is consistent with the LGIP guideline template.	No action required.	Complies
		37.	PFTI maps are identified for all networks listed in the Preliminary section.	YES	PFTI maps have been prepared for all infrastructure networks.	Yes	Mapping exists for all networks.	No action required.	Complies
		38.	PFTI schedule of works summary tables for future infrastructure are included for all networks listed in the Preliminary section.	YES	PFTI schedule of works tables have been provided for all trunk networks. As required by the template the schedules only relate to future works. The SoW template (excel based) contains all existing and future infrastructure for each network.	Yes	The section includes schedules of work for each network.	No action required.	Complies
	PFTI – Maps *[Add rows to the checklist to address these items for each*	39.	The maps clearly identify the existing and future trunk infrastructure networks distinct from each other.	YES	Existing and future networks have been mapped for all the LGIP networks and provided in the PFTI. Separate Plans for Existing and Future infrastructure have been provided where is was	Yes	Mapping exists for all future and existing networks.	No action required.	Complies

	of the networks]				considered reasonable to improve legibility for the user(s).				
		40.	The service catchments referenced in the SOW model and infrastructure demand summary tables are shown clearly on the maps.	YES	The service catchments referred to the SoW model and infrastructure demand summary tables have been identified in the set of drawings for each of the infrastructure networks.	Yes	There are service catchment maps for all networks.	No action required.	Complies
		41.	Future trunk infrastructure components are identified (at summary project level) clearly on the maps including a legible map reference.	YES	Complies. Future infrastructure items are clearly identified on the mappings. The legend provides the user with assistance to understand the type of infrastructure assets, and works to be undertaken.	Yes	The future trunk infrastructure projects are shown on each networks' maps.	No action required.	Complies
		42.	The infrastructure map reference is shown in the SOW model and summary schedule of works table in the LGIP.	YES	Complies. Infrastructure items are clearly identified on the mapping, and are labelled with Unique ID numbers. These numbers correlate to the numbering contained within the Schedule of Works table in the LGIP and SoW model.	Yes	A unique identifier exists on the maps, in the model and in the schedule of works.	No action required.	Complies
	Schedules of works *[Add rows to the checklist to address these items for each of the networks]*	43.	The schedule of works tables in the LGIP complies with the LGIP template.	YES	Complies. The schedule of works templates in the LGIP have been prepared using the LGIP template	Yes	The section is consistent with the LGIP guideline template.	No action required.	Complies
		44.	The identified trunk infrastructure is consistent with the SPA and LGIP guideline.		The infrastructure depicted on the plans has been determined in consultation with Council based on an assessment of those elements of the network which perform a shared function. Non-trunk infrastructure or 'internal' infrastructure has been excluded.	Yes	The infrastructure identified appears consistent with the LGIP guideline.	No action required.	Complies
		45.	The existing and future trunk infrastructure identified in the LGIP is adequate to service at least the area of the PIA.		The infrastructure network planning has been undertaken, taking into consideration demand across the entire service catchment(s). These extend beyond the PIA.	Yes	The existing and future trunk infrastructure projects shown on each networks' maps appear to service the PIA.	No action required.	Complies
		46.	Is there alignment of the scope, estimated cost and planned timing of proposed trunk capital works contained within the Schedule of Works and the relevant inputs of the LTAMP and LTFF? If not, is there a process underway to achieve this?	NO	Council are in the process of developing their LTFF and LTAMP. In this regard, alignment has not been completed to date. However, the importance and value of this requirement to ensure the cohesion between Council business units and financial sustainability is noted. As Council continues to develop their SAMP/ LTAMP/ LTFF, we will continue to actively work to align all planning, engineering and financial reporting around the varying expenditures and revenues to ensure clarity and certainty of alignment. It is expected that full alignment between all these documents may be difficult, and will require a number of iterations	Yes	Council has undertaken to compile long term LTFF and AMPs.	No action required.	Complies – process underway

					to achieve even sufficient alignment". Some areas which are expected to require more detailed consideration would be:- **LGIP/ LTFF** The LGIP contains infrastructure works (or land) which is delivered by the development industry, concurrent with land development. In this scenario the works would not typically form part of Council's LTFF or Capital Works Program. **LGIP/ LTAMP** The timing of infrastructure delivery in the LGIP is the current "best estimate" of when it will be required to service the required demand. The necessarily requires the reliance on assumptions (population growth, development patterns, economic conditions etc). The due to the Trunk nature of the items identified within the LGIP (i.e. high value/ critical nature), movements in the timing of delivery is expected to create the need to revisit the LGIP/ LTAMP regularly to ensure congruence. **LGIP/LTAMP/LTFF/ Capital Works Program.** Consistency of data capture will be critical (i.e. ensuring that data for and from each of these items are able to be sufficiently detailed and captured to ensure useability between each.				
		47.	The cost of trunk infrastructure identified in the SOW model and schedule of works tables is consistent with legislative requirements.	Yes	The Key Input assumptions are documented within the SoW model and are consistent with industry standards and legislative requirements. Costs have been determined using the best information available (unit rates and project cost estimates).	Yes	The cost of infrastructure has been prepared in accordance with the LGIP guideline.	No action required.	Complies

				Allowances for the Project Owners Cost has been set as 20% across all asset classes. This is within accepted industry standards and is recognised by the State as reflected by the SoW User manual. Time based contingencies have been applied of 10%,15%,20% and 30% for works being undertaken within horizon of 5,10,15 and 20 years respectively. The exception of which is transport in which a 40% contingency is provided, for works planned outside of the 20-year horizon. This is in accordance with TMR's road planning and design manual and Evan's and Pecks (2009) report on Contingencies and on-costs – as reference in the Statutory guideline 03/14.				
SOW model	48.	The submitted SOW model is consistent with the model included with the statutory guideline for LGIPs.	Yes	Complies The LGIP – SoW model has been prepared using the template provided as part of the Statutory guideline for LGIPs and its associated User Manual	Yes	The model is consistent with the LGIP guideline template.	No action required.	Complies
	49.	The SOW model has been prepared and populated consistent with the statutory guideline for LGIPs and its User manual for the SOW model.	Yes	Complies The LGIP – SoW model has been prepared using the template provided as part of the Statutory guideline for LGIPs and its User Manual for the SoW model	Yes	The SOW model has been prepared in accordance with the LGIP guideline.	No action required.	Complies
Extrinsic material	50.	All relevant background studies and reports in relation to the preparation of the LGIP are available and identified in the list of extrinsic material in the LGIP guideline.	Yes	All key background studies and reports in relation to the preparation of the LGIP are available and identified in the list of extrinsic material in the LGIP.	Yes	The extrinsic material has been supplied.	No action required.	Complies

First compliance check of Douglas Shire Council local government infrastructure plan

Prepared by: Integrated Infrastructure Planning
December 2017

Version	Date	Reviewer name and signature	
1	12 December 2017	Kylie Grimley	

1.1 Introduction

Integrated Infrastructure Planning (IIP) has been engaged by Trinity Engineering and Consulting on behalf of Douglas Shire Council (DSC) to undertake a first compliance check of its proposed Local Government Infrastructure Plan (LGIP).

IIP is required to:

(1) evaluate whether a proposed LGIP complies with the requirements outlined under the Minister's Guidelines and Rules, including the LGIP template, the SOW model and the LGIP Checklist.

(2) provide a written statement and the completed checklist to the local government detailing the findings of the compliance check.

Scope exclusions

The following items are outside the scope of this review:

- A verification of the accuracy of individual inputs used in the preparation of an LGIP.
- A review of the local government's Long Term Financial Forecast (LTFF) or asset management plan (LTAMP) other than to determine the extent of their alignment with the LGIP.

Compliance check process

The process used to undertake the compliance check comprised the following steps:

Stage	Description
Engaged	• Documents and other information received from Trinity Engineering and Consulting on behalf of DSC on 10 November, 2017.
Review	• Review commenced on 17 November, 2017. • Initial comments provided 20 November, 2017; • Council response to initial comments received from Trinity Engineering and Consulting 11 December, 2017.
Final report	• Review report issued on 12 December, 2017.

The following personnel were involved in the compliance check on behalf of the Douglas Shire Council:

Name	Title	Date of discussion (s)	Scope of discussion
Rudd Rankine	Civil/Geotechnical Engineer	20 November	• Initial comments on documents supplied • Minor mapping, typographical and formatting issues

Compliance check findings

Council advises work is underway to provide alignment between the LGIP, LTFF and the capital works program. Council also indicates work is underway on the asset management plans.

DSC has undertaken consultation with Councillors, internal network and finance stakeholders as well as external consultation with DTMR, the relevant state agency responsible for transport matters.

Conclusions

The Douglas Shire Council Local Government Infrastructure Plan and associated documentation is compliant with the *Planning Act 2016* and statutory guidelines.

Recommendations

IIP recommends to the Douglas Shire Council that the LGIP should proceed to the State for approval for public notification.

Recommended conditions to be imposed

Nil.

The Hon Cameron Dick MP
Minister for State Development,
Manufacturing, Infrastructure and Planning

Queensland Government

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Our ref: MC18/237

Your ref: 837125

07 MAR 2018

Councillor Julia Leu
Mayor
Douglas Shire Council
PO Box 723
MOSSMAN QLD 4873

Email: Julia.Leu@douglas.qld.gov.au

Dear ~~Councillor~~ Leu Julia,

Thank you for your letter of 18 December 2017 providing the Douglas Shire Council's (the council) proposed Local Government Infrastructure Plan (LGIP) for review and approval to proceed to public consultation.

I congratulate the council in taking the initiative to prepare a LGIP for its community. This is an important step to ensure the council continues to have the ability to levy charges or impose trunk infrastructure conditions on future development approvals.

The proposed LGIP has been assessed against the requirements of the repealed *Sustainable Planning Act 2009* and for compliance with the Statutory guideline 01/16: Making and amending local planning instruments (MALPI) and the Statutory guideline 03/14: Local government infrastructure plans.

In accordance with MALPI, I am pleased to advise the council may now proceed to publicly consult on the version of the proposed LGIP provided to the Department of State Development, Manufacturing, Infrastructure and Planning (the department) on 12 February 2018. Further advice to assist the council in revising and refining the proposed LGIP is enclosed.

I note the council was previously granted an extension to 30 June 2018 to have a LGIP in place, otherwise it will not be able to continue to levy infrastructure charges or impose infrastructure conditions under section 111 of the *Planning Act 2016*.

As such, I strongly urge the council to prioritise the finalisation of the proposed LGIP to ensure it may continue to levy infrastructure charges. The department is committed to working with the council, as a matter of priority, to help the finalisation and adoption of the proposed LGIP.

If you require further information, please contact Mr Tony Croke, Principal Planner, Planning and Development Services – North, in the department, on (07) 4037 3205 or tony.croke@dsdmip.qld.gov.au, who will be pleased to assist.

Yours sincerely

CAMERON DICK
Minister for State Development, Manufacturing, Infrastructure and Planning

Enc

Enclosure 1

FURTHER ADVICE FOR THE DOUGLAS SHIRE COUNCIL'S CONSIDERATION ON THE PROPOSED LOCAL GOVERNMENT INFRASTRUCTURE PLAN (LGIP)

The following advice is given to the Douglas Shire Council for its consideration, so that it may further revise and refine the proposed LGIP:

- A valuable output of an LGIP is information about the cash flow projections which compares future infrastructure charges revenue to expenditure. In this regard, the state sets the maximum charges that a local government may levy for the provision of trunk infrastructure. Where expenditure exceeds the revenue from infrastructure charges, the local government has to consider options to manage it. Any shortfall in charges revenue to cover expenditure will have to be recovered from other sources such as rates.
- The LGIP preparation process seeks to take into account the inter-relationships and alignment between local government infrastructure planning, future growth, Asset Management Plans (AMP) and Long-Term Financial Forecasts (LTFF). Within this framework, local governments are responsible to strategically consider and manage the provision for and funding, of trunk infrastructure in their local government area, in an efficient and financially sustainable manner. To achieve this over time, local governments are encouraged to undertake regular reviews to ensure ongoing alignment of their LGIP, AMP and LTFF.
- The residential and non-residential anticipated growth worksheets include levied charges which appear to exceed the prescribed amount in the Planning Regulation 2017 (the Planning Regulation) (i.e. the maximum charge) and are based on an alternative functionality to the standard Schedule of Works (SoW) model.

  To improve clarity, it is recommended that the council adjust the levied charges (as capped by the Planning Regulation) so that the projected revenue is correctly identified.
- Include the extrinsic material which explains that the planning scheme zonings, included on the Priority Infrastructure Area (PIA) maps, represent the developable area (e.g. similar to the comments included in the LGIP checklist) and amend section 4.2.2(1) of the LGIP to reference the PIA maps.
- Allocate all future water infrastructure items in the SoW to the relevant service catchment(s).
- Include a value for item PPLC062 in the SoW, or if there are reasons for council's approach, include the extrinsic material to explain the approach.