

**Legend**

- Erosion Prone Area
- High Storm Tide Inundation Area
- Medium Storm Tide Inundation Area

**Other**

- Cadastral
- Lockhart River Aboriginal Shire Council Boundary
- Waterbody
- Cook Shire Council

**Information**

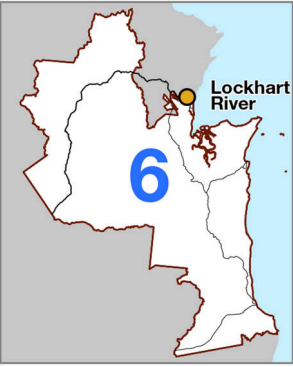
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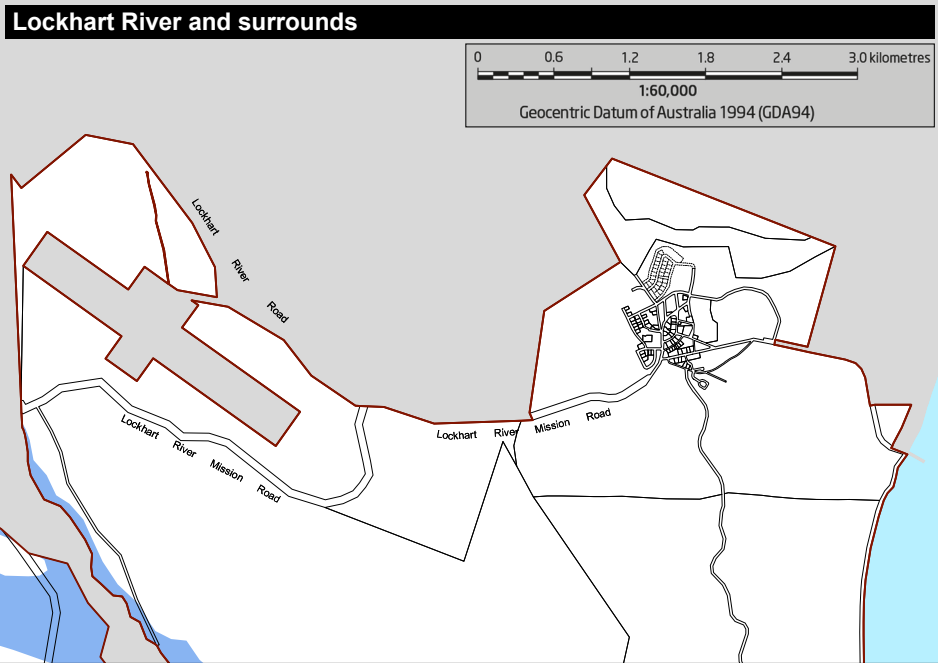
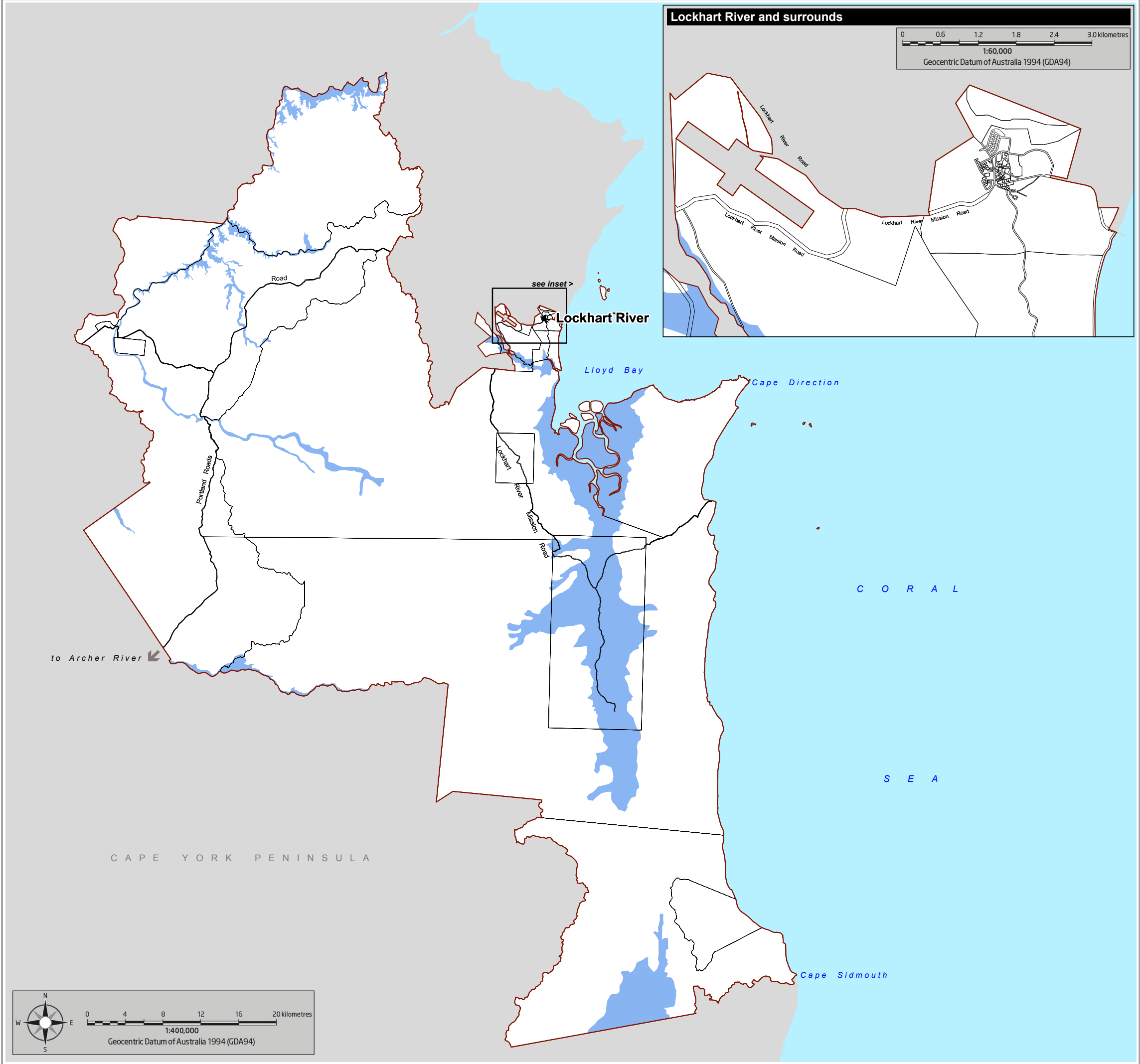
**CADASTRAL DATA:** State of Queensland (Department of Natural Resources and Mines) 2014; Cadastral Data Fortnightly Extract Lockhart River Local Government Area; Publication date: 06/01/2014.






**COASTAL HAZARD DATA:** State of Queensland (Department of Environment & Heritage) 2014; Storm Tide High Hazard - publication date 08/04/2014; Storm Tide Medium Hazard - publication date 09/04/2014; Storm Tide High Hazard - publication date 08/04/2014; Erosion Prone Area - publication date 07/05/2014.

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**Map Index**





- Legend**
-  Flood Hazard Area
- Other**
-  Cadastre
  -  Lockhart River Aboriginal Shire Council Boundary
  -  Waterbody
  -  Cook Shire Council

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**CADASTRAL DATA:** State of Queensland (Department of Natural Resources and Mines) 2014; Cadastral Data Fortnightly Extract Lockhart River Local Government Area; Publication date: 06/01/2014.

**FLOOD DATA:** State of Queensland (Queensland Reconstruction Authority) 2014; Queensland floodplain assessment overlay; Publication date: 17/10/2013. Crown & Council Copyright Reserved.



## **SC2.6 Other plans / maps**

There are no other plans / maps.

## Schedule 3 - Priority infrastructure plan mapping and support material

**Table SC3.1—Map index**

<b>Map number</b>	<b>Map title</b>	<b>Gazettal date</b>
PIP-001	Priority Infrastructure Area	30 November 2015
PIP-002	Infrastructure Networks	30 November 2015



**Legend**

- Priority Infrastructure Area Boundary
- Township Zone

**Other**

- Cadastre
- Proposed Cadastre
- Lockhart River Aboriginal Shire Council Boundary
- Cook Shire Council

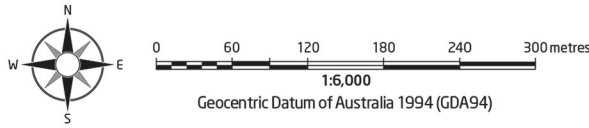
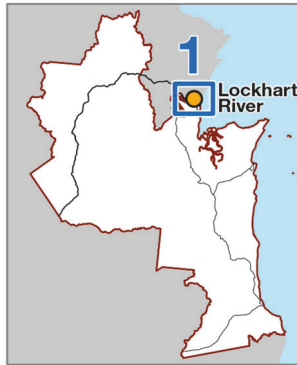
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**Map Index**



**Lockhart River Township**  
**Priority Infrastructure**  
**Plan**

PIP-001



### Legend

#### Existing Infrastructure

- Trunk Road
- Sewage Treatment Plant
- Trunk Sewer Pipe
- Trunk Stormwater Pipe
- Water Treatment Plant
- Trunk Water Pipe

#### Other

- Cadastre
- Proposed Cadastre
- Lockhart River Aboriginal Shire Council Boundary
- Waterbody
- Cook Shire Council

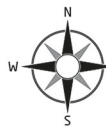
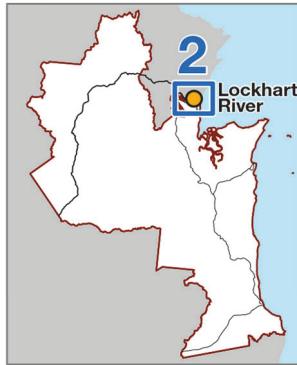
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### Map Index



0 60 120 180 240 300 metres  
1:5,000  
Geocentric Datum of Australia 1994 (GDA94)

# Lockhart River Township Priority Infrastructure Plan

PIP-002



## Schedule 4 - Notations required under the Sustainable Planning Act 2009

### SC4.1 Notation of decisions affecting the planning scheme under section 391 of the Act

**Table SC4.1.1—Notation of decisions under section 391 of the Act**

<b>Date of decision</b>	<b>Location (real property description)</b>	<b>Decision type</b>	<b>File/Map reference</b>

Editor's note- This schedule should include:

- approvals that conflict with the planning scheme
- development approvals under section 242 of the Act that vary the effect of the scheme
- decisions agreeing to a superseded planning scheme request.

## SC4.2 Notation of resolution(s) under section 648D of the Act

**Table SC4.2.1—Notation of resolutions under section 648D of the Act**

Date of resolution	Date of effect	Details	Contact information

Editor's note- This schedule should provide information about the adopted infrastructure charges for the local government and where a copy of the adopted charges can be obtained.



### SC4.3 Notation of registration for urban encroachment provisions under section 680ZE of the Act

Table SC4.3.1—Notation of decisions under section 680ZE of the Act

Date of decision	Location of premises (real property description)	Details of registration	Term of registration

## Schedule 5 - Land designated for community infrastructure

There is no land designated for community infrastructure in the local government area.

## Schedule 6 - Planning scheme policies

### SC6.1 Planning scheme policy index

The table below lists all the planning scheme policies applicable to the planning scheme area.

**Table SC6.1.1—Planning scheme policy index**

**Planning scheme policy title**

<b>SC6.2 – Planning Scheme Policy 1 - Land Development Standards</b>
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## **SC6.2 Planning Scheme Policy 1 - Land Development Standards**

### **SC6.2.1 – Standards for Roads, Footpaths and Access**

- (1) Crossovers are provided in accordance with the following:
  - (a) The crossover is not:
    - (i) a secondary property access;
    - (ii) located on a bend in the road of more than 45 degrees.
  - (b) The crossover is not within:
    - (i) 2.0 metres of any adjoining property access;
    - (ii) 1.0 metre of any street signage, power pole, street light, manhole, stormwater gully pit, or other Council asset.
  - (c) FNQROC Operational Works Design Guideline D1, Road Geometry – D1.17 – Access to Allotments (where in an Urban Area);
  - (d) FNQROC Operational Works Design Guideline D1, Road Geometry – D1.30 – Access to Allotments (where in a Non-Urban Area).

- (2) For road standards within the Urban Area, reference should be made to **Table SC6.2.1.1** and in the Non-Urban Area, reference should be made to **Table SC6.2.1.2**.

**Table SC6.2.1.1 Urban area street and road minimum design standards**

Road Hierarchy Classification		Type	Standard Drawing	Catchment Size (no of dwellings)	AADT (vpd)	Reserve Width <sup>1,4,5</sup> (Min)	Carriageway Width <sup>1,2</sup> (Min)	Verge Width <sup>6</sup> (Min each side)	Footpath	Max Grade (Desirable)	Design Speed (km/h)	Lighting Category
Residential Street		4	S1005	0 – 74	0 - 749	15m	6.5m sealed	4.5m	1 side <sup>1</sup>	16% <sup>3,4</sup>	40	P4
Collector Road	Minor	5	S1006	75-299	750-2999	16.5m	7.5m	4.5m	1 side	10% (8%)	50	P3
	Major	6	S1006	300-599	3000-5999	20m	11m	4.5m	1 side	10% (8%)	50	V5
Sub Arterial/Arterial	No median	7	S1007	>600	>6000	25m	16m	4.5m	Both sides	8% (6%)	60	V3

Notes:

1. Carriageway (and reserve) widening shall be provided on bends in accordance with Queensland Streets.
2. Carriageway widths are measured from the invert of the kerb and channel on one side of the carriageway to the invert of the kerb and channel on the opposite side of the carriageway.
3. The absolute maximum grade shall be 20% for a maximum length of 60m. The maximum length of grades less than 20%, but not less than 16%, shall be 60m plus 25m for each 1% the grade is less than 20%. The maximum length of any grade greater than 16% shall be 160m.
4. Road reserve widths may require widening to accommodate table drains, provision for services and on-street car parking provision.
5. Minimum reserve width must be provided, irrespective of minimum verge and carriageway widths specified.
6. The road cross section type for this category shall be provided by the Council or Relevant Authority (DTMR). Traffic volumes shall be identified in a traffic management report.

Table S C6.2.1.2 Non-urban area road minimum design standards

Traffic Volume or Road Class	<100VPD	100 – 999	1000 - 2999 (or rural collector)	>3000 (or sub-arterial)
Road Reserve (flat terrain ≤ 5%)	20m	20m	25m	To be designed in accordance with AUSTROADS or DMR design guidelines.
Road Reserve <sup>2,3</sup> (Undulating/Hilly > 5%)	25m	25m	30m	
Formation	8m	8m	10m	
Pavement Width	5.5m	6.5m	8m	
Seal Width	4.5 <sup>1</sup>	6.5m	8m (incl. 0.5m sealed shoulders)	
Shoulders	1.25m Approved Select material	0.75m gravel	1m gravel	
Desirable Speed Environment	100kph	100kph	100kph	
Design Speed for Individual Elements (Minimum) <sup>4</sup>	80kph	80kph	80kph	

## Notes:

1. Lockhart River Aboriginal Shire Council may consider relaxing the requirement to seal rural roads in some instances if there are no adverse impacts i.e. dust.
2. In undulating terrain this width shall be increased to enable services to be constructed on accessible flatter land on top and below batters.
3. Where for practical reasons, crests or horizontal curves have a design speed at 80kph or higher, approved road widenings are required in accordance with AUSTROADS Rural Design Standard.
4. Design speed is to be generally used as the basic parameter of design standards and the determination of the minimum design value for other elements in rural subdivisions is to be based on the concept of a "speed environment" as outlined in AUSTROADS Guide to the Geometric Design of Rural Roads.
5. Where appropriate superelevation, widening and centreline shift and their associated transitions are to comply with AUSTROADS Guidelines.

- (3) For new roads, footpath and access design is in accordance with SC6.2.1 (2) and the following relevant guidelines and specifications:
- > FNQROC Operational Works Design Guideline D1, Road Geometry;
  - > FNQROC Operational Works Design Guideline D2, Site regrading;
  - > FNQROC Operational Works Design Guidelines D3, Road Pavements;
  - > Department of Transport and Main Roads Technical Standard MRTS04, General Earthworks;
  - > Department of Transport and Main Roads Technical Standard MRTS05, Unbound Pavements;
  - > Department of Transport and Main Roads Technical Standard MRTS11, Sprayed Bituminous Surfacing;
  - > Department of Transport and Main Roads Technical Standard MRTS22, Supply of Cover Aggregate;
  - > AS1428 — Design for Access and Mobility;
  - > AS4282 — Control of the Obtrusive Effects of Outdoor Lighting.
- (4) Road, footpath and access construction activities are in accordance with the following relevant guidelines and specifications:
- > FNQROC Operational Works Specification S1, Earthworks;
  - > FNQROC Operational Works Specification S2, Road Pavements;
  - > FNQROC Operational Works Specification S3, Segmental Paving;
  - > Department of Transport and Main Roads Standard Specification MRS04, General Earthworks;
  - > Department of Transport and Main Roads Standard Specification MRS05, Unbound Pavements;
  - > Department of Transport and Main Roads Standard Specification MRS11, Sprayed Bituminous Surfacing;
  - > Department of Transport and Main Roads Standard Specification MRS22, Supply of Cover Aggregate;
  - > FNQROC Operational Works Procedures CP1-01/09 Erosion and Sediment Control.

### **SC6.2.2 – Standards for Water Supply**

- (1) Reticulated water supply is in accordance with:
- > FNQROC Operational Works Design Guidelines D6, Water Reticulation;
  - > FNQROC Operational Works Specification S5, Water Reticulation.
- (2) On-site water supply is in accordance with:
- > FNQROC Operational Works Design Guidelines D6, Water Reticulation.



### SC6.2.3 – Standards for Sewerage Supply

- (1) Reticulated sewerage supply is in accordance with:
  - > FNQROC Operational Works Design Guidelines D7, Sewerage System;
  - > FNQROC Operational Works Specification S6, Sewerage Reticulation.
- (2) On-site sewerage supply is in accordance with:
  - > FNQROC Operational Works Design Guidelines D7, Sewerage System.

### SC6.2.4 – Standards for Stormwater Drainage

#### SC6.2.4.1 Stormwater Management Plan

- (1) This section outlines Council's requirements for the preparation of a Stormwater Management Plan (SWMP) and is applicable to all development.
- (2) A SWMP, consistent with the design objectives stated in Chapter 4 (section 4.9) of the State Planning Policy 4/10 for Healthy Waters, must be prepared for all development applications made to Council unless the application falls within the 'Deemed to Comply' category (refer **section SC6.2.4.2**). A SWMP must have regard to the following:
  - i. FNQROC Operational Works Design Guidelines D4 Stormwater Drainage;
  - ii. FNQROC Operational Works Design Guidelines D5, Stormwater Quality Management;
  - iii. FNQRPC Operational Works Specification S4, Stormwater Drainage;
  - iv. Soil Erosion and Sediment Control Guidelines for Queensland;
  - v. Queensland Urban Drainage Manual (2<sup>nd</sup> Ed, 2007).
- (3) Any development application requiring a SWMP in accordance with **section SC6.2.4.1 (2)** is also accompanied by an erosion and sediment control plan (ESCP) prepared in accordance with FNQROC Operational Works Design Guidelines D5, Stormwater Quality Management.

#### SC6.2.4.2 Deemed to Comply

- (1) Council acknowledges that not all development applications should warrant a full SWMP. It is accepted that some types of development may only require rainwater tanks to promote the reuse of rainwater and in this regard Council provides the following Deemed to Comply criteria. If an applicant can submit an evidence to justify that the proposed development application can comply with the criteria listed below then no formal SWMP is required.

The Deemed to Comply criteria are designed to simplify design requirements for various development applications. Any applicant may choose not to apply the following Deemed to Comply criteria and will then be requested by Council to submit the relevant CSWMP and DSWMP for approval within the relevant stages of the development application.

##### (a) Accommodation Activities < 1000 m<sup>2</sup>

If development comprises a site less of than 1,000m<sup>2</sup> then the following requirements are to be met:

Type of Dwelling	Size of Tank
Dwelling House	5,000 litres
Dwelling (where for Dual occupancy, Multiple dwelling, Retirement facility, Caretaker's accommodation, Dwelling unit)	3,000 litres
Accommodation unit (where for Hostel, Non-resident workforce accommodation, Short term accommodation, Residential care facility, Retirement facility)	1,500 litres

**(b) Accommodation activities > 1000m<sup>2</sup> and < 5000m<sup>2</sup>**

If development comprises a site of greater than 1000m<sup>2</sup> and less than 5000m<sup>2</sup> the following requirements are to be met:

- (i) *no impervious area runoff to discharge from the site without an appropriate treatment;*
- (ii) *rainwater tanks requirements as specified for lots less than 1000 m<sup>2</sup>;*
- (iii) *all of the sites impervious areas including the overflow from rainwater storage devices are to discharge to bio-retention device(s) that are not less than 2% of the total contributing catchment (including roof areas). These devices must satisfy the following requirements:*
  - a. *a maximum extended detention depth of 400 mm (preferably 300 mm) over the surface area of entire device;*
  - b. *device design is to be in accordance with industry guidelines **Australian Runoff Quality**; and*
  - c. *detailed engineering diagrams and management requirements for the proposed development are to be submitted to Council for approval prior to any works commencing onsite with design certification prepared by a qualified stormwater engineer/scientist.*

**(c) Code or Impact – Business activities / Centre activities / Industry Activities / Community activities / Entertainment activities < 2500m<sup>2</sup>**

Development resulting in works upon the site with areas less than 2500m<sup>2</sup> are required to provide the following treatment requirements:

- (i) *no impervious area runoff to discharge from the site without an appropriate treatment;*
- (ii) *rainwater tanks are to be incorporated on the development site. These devices are to be sized via appropriate water balance modelling which shall be submitted to Council for approval prior to any works commencing onsite;*
- (iii) *all of the sites impervious areas including the overflow from rainwater storage devices are to discharge to bio-retention device(s) that are not less than 2.5% of the total contributing catchment (including roof areas). These devices must satisfy the following requirements:*
  - a. *a maximum extended detention depth of 400 mm (preferably 300 mm) over the surface area of entire device;*
  - b. *device design is to be in accordance with industry guidelines **Australian Runoff Quality**; and*
  - c. *detailed engineering diagrams and management requirements for the proposed development are to be submitted to Council for approval prior to any works commencing onsite with design certification prepared by a qualified stormwater engineer/ scientist.*
- (iv) *a maintenance management document is to be submitted to Council for approval prior to the commencement of use of the site. This document is to detail how the stormwater management devices are to be maintained by the property owner and/ or included within the Community Management Statement or Body Corporate bylaws.*

**SC6.2.5 – Standards for Earthworks and Filling**

- (1) Earthworks and filling is in accordance with:
- > FNQROC Operational Works Specification S1, Earthworks;
  - > FNQROC Operational Works Guideline D2 – Site Regrading;
  - > Department of Transport and Main Roads Technical Standard MRTS04, General Earthworks;
  - > FNQROC Operational Works Procedures CP1-01/09 Erosion and Sediment Control;
  - > Soil Erosion and Sediment Control Guidelines for Queensland.

**SC6.2.6 – Standards for Utilities**

- (1) Utilities are in accordance with:
- > FNQROC Operational Works Design Guidelines D8 – Utilities;
  - > AS4282—Control of the Obtrusive Effects of Outdoor Lighting.

**SC6.2.7 – Standards for Landscaping**

- (1) Utilities are in accordance with:
- > FNQROC Operational Works Design Guidelines D9 – Landscaping.



# ***Appendices***





## Appendix 1 - Index and glossary of abbreviations and acronyms

**Table AP1.1—Abbreviations and acronyms**

<b>Abbreviation/ acronym</b>	<b>Description</b>
ABS	Australian Bureau of Statistics
AES	Areas of Ecological Significance
AS	Australian Standard
ASS	Acid Sulfate Soils
CPTED	Crime Prevention through Environmental Design
DEWS	Department of Energy and Water Supply
DNRM	Department of Natural Resources and Mines
DOGIT	Deed of Grant in Trust
EPA	Environmental Protection Agency
IPWEA	Institute of Public Works Engineering Australia
LGA	Local Government Areas
MCU	Material change of use as defined in the Sustainable Planning Act 2009
MNES	Matter of National Environmental Significance
NRW	Department of Natural Resources and Water
MSES	Matter of State Environmental Significance
PIA	Priority Infrastructure Area
PIP	Priority Infrastructure Plan
ROL	Reconfiguring a lot as defined in the Sustainable Planning Act 2009

Abbreviation/ acronym	Description
SPP	State Planning Policy
SPRP	State Planning Regulatory Provision
SQMP	Stormwater Quality Management Plan
WSA	Water Services Association
WWMP	Waste Water Management Plan

## Appendix 2 - Table of amendments

**Table AP2.1—Table of amendments**

<b>Date of adoption and effective date</b>	<b>Planning scheme version number</b>	<b>Amendment type</b>	<b>Summary of amendments</b>