



**DRAFT - Urban  
Drainage Strategy  
Implementation Plan**

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## 1. Introduction

This document is a schedule to the Urban Drainage Strategy (the Strategy) and should be read in conjunction with that Strategy.

The Strategy has been developed to provide the basis for development and management of stormwater drainage networks to service the urban developments within the region. It provides guiding principles and key strategic areas which influence all other plans, policies and strategies associated with the efficient and sustainable management of the road network within the Scenic Rim region.

## 2. Terms of this Implementation Plan

- i. This Implementation Plan will commence at its adoption by Council.
- ii. As a schedule to the Strategy, the purpose of this Implementation Plan is to provide guidance and timing of delivery of Strategy Outcomes contained within the Road Strategy.
- iii. This Implementation Plan will cease when the overarching Drainage Strategy expires.
- iv. This Implementation Plan will be reviewed and updated annually. Each version will be given a new review and issue date.

## 3. Performance and Reporting Arrangements

Reporting on the delivery of the Implementation Plan will be undertaken using Council's Cycle program on a monthly basis. This plan will outline specific requirements with regard to each of the strategies identified in the Strategic Priority Areas.

### 3.1. Reporting

Performance reports are to be generated to address the Strategic Priority Areas Council as per the following milestones:

Milestones	Due date
Updates provided to Director Infrastructure Services on identified Strategies to be delivered within the reporting year	Monthly
Operational Strategic Outcomes	As specified within detail of this plan
Update of Implementation Plan achievements provided to the Chief Executive Officer.	Annually

### 3.2. Performance Benchmarks

Performance benchmarks have been developed to measure achievement within each Strategic Priority Area due within the annual reporting cycle.

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## 4. Strategic Priority Areas

The key Strategic Priority Areas of focus for the Scenic Rim region, are contained within this Implementation Plan.

- Community Service Levels
- Personal and Property Security
- Urban Drainage Network Infrastructure
- Infrastructure Operation and Maintenance
- Land Use Planning
- Project Prioritisation

## 5. Implementation of Strategies

The following strategies have been developed as part of the Strategy to address the needs for the provision of a safe and convenient drainage network in the Scenic Rim Region.

### 5.1. Strategic Priority Area 1: Community Service Levels

Strategic Priority Area 1 was developed to ensure the drainage networks provide a level of service that meets the needs of the community.

<b>Action Strategy 1.1</b>	Review the Community Service objectives and subsequent service levels for the provision of stormwater drainage.		
<b>Responsible Officer</b>	Works Engineer		
<b>Commencement Date</b>	1/2/2014		
<b>Due Date</b>	30/6/2016		
<b>REPORTABLE MILESTONES / PROGRESS ACTIVITIES</b>			
<b>Activity Description</b>	<b>Op Plan 15/16</b>	<b>Op Plan 16/17</b>	<b>Op Plan 16/17</b>
Review the community service objectives for the delivery of urban stormwater drainage services and develop a set of criteria for defining the Council's limits of responsibility for stormwater networks.	October	-	-
Review the Level of Service for the provision of urban stormwater drainage services that can be funded under Council's long term financial plan.	October	October	October

<b>Action Strategy 1.2</b>	Critically review investment proposal for drainage project to limit Council's exposure to funding liabilities in order to achieve the service levels for Council's stormwater network.		
<b>Responsible Officer</b>	Manager Works		
<b>Commencement Date</b>	1/2/2014		
<b>Due Date</b>	30/6/2016		
<b>REPORTABLE MILESTONES / PROGRESS ACTIVITIES</b>			
<b>Activity Description</b>	<b>Op Plan 15/16</b>	<b>Op Plan 16/17</b>	<b>Op Plan 16/17</b>
Critically review the proposed investment projects against the set criteria to ensure they meet Council's responsibility for urban stormwater management.	October	October	October

<b>Action Strategy 1.3</b>	Undertake assessment of the existing stormwater network on a priority basis to assess the capacity and gaps where the stormwater infrastructure does not meet the standards, and therefore unable to achieve Community Service levels.
<b>Responsible Officer</b>	Works Engineer
<b>Commencement Date</b>	1/2/2014
<b>Due Date</b>	30/6/2016

**REPORTABLE MILESTONES / PROGRESS ACTIVITIES**

<b>Activity Description</b>	<b>Op Plan 15/16</b>	<b>Op Plan 16/17</b>	<b>Op Plan 16/17</b>
Develop a program of assessment of the existing stormwater network within urban areas.	August	-	-
Undertake the assessment program of stormwater network to identified scope.	September	September	September
Analyse the gaps within the stormwater infrastructure and review listed projects for prioritisation.	October	October	October

## 5.2. Strategic Priority Area 2: Personal and Property Security

Strategic Priority Area 2 was developed to provide a stormwater infrastructure to ensure stormwater runoff does not adversely impact on persons and property.

<b>Action Strategy 2.1</b>	Ensure the safety of the general public through the design and construction of new stormwater infrastructure meets the current standards.		
<b>Responsible Officer</b>	Works Engineer		
<b>Commencement Date</b>	1/2/2014		
<b>Due Date</b>	30/6/2016		
<b>REPORTABLE MILESTONES / PROGRESS ACTIVITIES</b>			
<b>Activity Description</b>	<b>Op Plan 15/16</b>	<b>Op Plan 16/17</b>	<b>Op Plan 16/17</b>
Review the design criteria in the Design and Construction Manual to ensure the drainage infrastructure can achieve service levels.	November	November	November

<b>Action Strategy 2.2</b>	Undertake a review of existing drainage infrastructure to ensure that high risk items of infrastructure are identified, and program the necessary rectification as funding permits.
<b>Responsible Officer</b>	Works Engineer
<b>Commencement Date</b>	1/2/2014
<b>Due Date</b>	30/6/2016

<b>REPORTABLE MILESTONES / PROGRESS ACTIVITIES</b>			
<b>Activity Description</b>	<b>Op Plan 15/16</b>	<b>Op Plan 16/17</b>	<b>Op Plan 16/17</b>
Generate and review a list of High Risk Infrastructure by undertaking a review of known existing drainage infrastructure.	September	September	September
Prioritise the list of rectification works.	October	October	October
Implement rectification of highest priority works as budget funding permits.	Quarterly	Quarterly	Quarterly

**Comment [CG1]:** I've inserted known as at this point we do not have a complete register of all urban drainage assets



<b>Action Strategy 2.3</b>	Operate and maintain the existing drainage infrastructure in order for it to operate as its optimum performance in regards to personal and property security.
<b>Responsible Officer</b>	Works Engineer
<b>Commencement Date</b>	1/2/2014
<b>Due Date</b>	30/6/2016

<b>REPORTABLE MILESTONES / PROGRESS ACTIVITIES</b>			
<b>Activity Description</b>	<b>Op Plan 15/16</b>	<b>Op Plan 16/17</b>	<b>Op Plan 16/17</b>
The Maintenance Management Manual for drainage infrastructure is reviewed annually.		September	September
Review and issue an operational and maintenance inspection program to ensure defects are logged for known urban drainage infrastructure.	July	July	July
Ensure the inspection program of the drainage network is undertaken in accordance with the issued program.	Quarterly	Quarterly	Quarterly
Ensure Defects within the drainage network are logged, prioritised and rectified in accordance with intervention requirements, and within budgetary requirements.	Quarterly	Quarterly	Quarterly

### 5.3. Strategic Priority Area 3: Stormwater Network Infrastructure

Strategic Priority Area 3 was developed to provide a network of stormwater infrastructure that manages the stormwater runoff to the extent set down in the community service level.

<b>Action Strategy 3.1</b>	Continue to identify and record all stormwater assets within the urban developments of the region.		
<b>Responsible Officer</b>	Works Engineer		
<b>Commencement Date</b>	1/2/2014		
<b>Due Date</b>	30/6/2016		
<b>REPORTABLE MILESTONES / PROGRESS ACTIVITIES</b>			
<b>Activity Description</b>	<b>Op Plan 15/16</b>	<b>Op Plan 16/17</b>	<b>Op Plan 16/17</b>
Develop and review the urban drainage asset collection program.	August	December	December
Update Asset Register of all Council controlled urban drainage, including donated Urban Drainage Assets	June	June	June
Develop and Maintain a detailed Map of Drainage Assets	June	June	June

<b>Action Strategy 3.2</b>	Develop master drainage plans for each of the urban areas within the region.		
<b>Responsible Officer</b>	Manager Works		
<b>Commencement Date</b>	1/7/2016		
<b>Due Date</b>	30/6/2017		
<b>REPORTABLE MILESTONES / PROGRESS ACTIVITIES</b>			
<b>Activity Description</b>	<b>Op Plan 15/16</b>	<b>Op Plan 16/17</b>	<b>Op Plan 16/17</b>
Develop master drainage plans for each of the urban areas within the region.		June	

<b>Action Strategy 3.3</b>	Identify priority sub catchment areas for hydraulic assessment and capital projects for necessary upgrades to meet defined service standards.		
<b>Responsible Officer</b>	Manager Works		
<b>Commencement Date</b>	1/2/2014		
<b>Due Date</b>	30/6/2015		
<b>REPORTABLE MILESTONES / PROGRESS ACTIVITIES</b>			
<b>Activity Description</b>	<b>Op Plan 15/16</b>	<b>Op Plan 16/17</b>	<b>Op Plan 16/17</b>
Identify priority sub catchment areas for hydraulic assessment from the prioritised list of urban drainage projects.	March	March	March
Adjust drainage project scopes as required to meet calculated stormwater flows as a result of updated Hydraulic assessment.	April	April	April

<b>Action Strategy 3.4</b>	Ensure Development Assessment only approves urban and industrial developments with appropriate stormwater compliant layouts by developing appropriate development conditions.		
<b>Responsible Officer</b>	Manager Works		
<b>Commencement Date</b>	1/2/2014		
<b>Due Date</b>	30/6/2016		
<b>REPORTABLE MILESTONES / PROGRESS ACTIVITIES</b>			
<b>Activity Description</b>	<b>Op Plan 15/16</b>	<b>Op Plan 16/17</b>	<b>Op Plan 16/17</b>
Ensure development in the Scenic Rim Region is conditioned to provide a sustainable, planned drainage network.	Ongoing	Ongoing	Ongoing

<b>Action Strategy 3.5</b>	Promotion of development designs that meet the requirements of Council's Design and Construction Manual, during Operational Works approval stage.		
<b>Responsible Officer</b>	Manager Works		
<b>Commencement Date</b>	1/2/2014		
<b>Due Date</b>	30/6/2016		
<b>REPORTABLE MILESTONES / PROGRESS ACTIVITIES</b>			
<b>Activity Description</b>	<b>Op Plan 15/16</b>	<b>Op Plan 16/17</b>	<b>Op Plan 16/17</b>
Development assessment is undertaken to ensure the principles and key actions of the Drainage Strategy through participation in their review is achieved.	Ongoing	Ongoing	Ongoing

<b>Action Strategy 3.6</b>	Review and assess the existing drainage for conformance with current standards and develop a program subject to funding to upgrade the infrastructure.
<b>Responsible Officer</b>	Manager Works
<b>Commencement Date</b>	1/2/2014
<b>Due Date</b>	30/6/2016

<b>REPORTABLE MILESTONES / PROGRESS ACTIVITIES</b>			
<b>Activity Description</b>	<b>Op Plan 15/16</b>	<b>Op Plan 16/17</b>	<b>Op Plan 16/17</b>
Review the prioritisation methodology and budgetary arrangements of Urban Drainage for both Capital and Maintenance.	September	September	September
Report any planned changes to current methodologies used to formulate the Drainage Budget to the Executive Team.	October	October	October
Implement any approved changes to the current methodologies used to produce the drainage Budget for the following financial Year.	February	February	February

#### 5.4. Strategic Priority Area 4: Infrastructure Operation and Maintenance

Strategic Priority Area 4 was developed to ensure the constructed infrastructure operates in an efficient and effective manner and also to ensure the infrastructure is maintained over its useful life to perform as the design intended.

<b>Action Strategy 4.1</b>	Develop and implement a Maintenance Management System for stormwater drainage infrastructure.		
<b>Responsible Officer</b>	Works Engineer		
<b>Commencement Date</b>	1/2/2014		
<b>Due Date</b>	30/6/2016		
<b>REPORTABLE MILESTONES / PROGRESS ACTIVITIES</b>			
<b>Activity Description</b>	<b>Op Plan 15/16</b>	<b>Op Plan 16/17</b>	<b>Op Plan 16/17</b>
Develop a Maintenance Management System for urban drainage infrastructure.	February		
Implement the Maintenance Management System for stormwater drainage infrastructure.		Quarterly	Quarterly
Review the Maintenance Management System for stormwater drainage infrastructure.		October	July



<b>Action Strategy 4.2</b>	Develop and implement an operational and maintenance inspection program to ensure defects are logged and rectified.		
<b>Responsible Officer</b>	Works Engineer		
<b>Commencement Date</b>	1/2/2014		
<b>Due Date</b>	30/6/2016		
<b>REPORTABLE MILESTONES / PROGRESS ACTIVITIES</b>			
<b>Activity Description</b>	<b>Op Plan 15/16</b>	<b>Op Plan 16/17</b>	<b>Op Plan 16/17</b>
Review and issue an operational and maintenance inspection program to ensure defects are logged for known urban drainage infrastructure.	July	July	July
Ensure the inspection program of the drainage network is undertaken in accordance with the issued program.	Quarterly	Quarterly	Quarterly
Ensure Defects within the drainage network are logged, prioritised and rectified in accordance with intervention requirements, and within budgetary requirements.	Quarterly	Quarterly	Quarterly

<b>Action Strategy 4.3</b>	Minimal acceptable program for operation and maintenance budget allocations are determined.		
<b>Responsible Officer</b>	Manager Works		
<b>Commencement Date</b>	1/2/2014		
<b>Due Date</b>	30/6/2016		
<b>REPORTABLE MILESTONES / PROGRESS ACTIVITIES</b>			
<b>Activity Description</b>	<b>Op Plan 15/16</b>	<b>Op Plan 16/17</b>	<b>Op Plan 16/17</b>
Development of operation and maintenance budget allocations are determined in conjunction with the long term financial plan.	December	December	December
Minimal acceptable program for operation and maintenance derived from budget allocations is determined.		July	July

## 5.5. Strategic Priority Area 5: Land Use Planning

Strategic Priority Area 5 was developed to ensure land use planning delivers development that has a focus on effective management of stormwater runoff through the development and does not adversely impact on downstream properties.

<b>Action Strategy 5.1</b>	The preparation of the Regional Planning Scheme should take into account the constraints for intense development as a result of higher than reasonable levels of stormwater runoff.		
<b>Responsible Officer</b>	Manager Works		
<b>Commencement Date</b>	1/2/2014		
<b>Due Date</b>	30/6/2016		
<b>REPORTABLE MILESTONES / PROGRESS ACTIVITIES</b>			
<b>Activity Description</b>	<b>Op Plan 15/16</b>	<b>Op Plan 16/17</b>	<b>Op Plan 16/17</b>
Ensure updates of the planning Scheme for Scenic Rim Regional Council consider the principals and key actions of the Drainage Strategy through participation in the review of the scheme.	June		

<b>Action Strategy 5.2</b>	Optimal development must take into account stormwater flow paths in minimising risk and conflicts with dense urban and industrial development.		
<b>Responsible Officer</b>	Manager Works		
<b>Commencement Date</b>	1/2/2014		
<b>Due Date</b>	30/6/2016		
<b>REPORTABLE MILESTONES / PROGRESS ACTIVITIES</b>			
<b>Activity Description</b>	<b>Op Plan 15/16</b>	<b>Op Plan 16/17</b>	<b>Op Plan 16/17</b>
Development assessment is undertaken to ensure the principles and key actions of the Drainage Strategy through participation in their review is achieved.	Ongoing	Ongoing	Ongoing

<b>Action Strategy 5.3</b>	Minimise the impacts of upstream development where the existing downstream drainage infrastructure does not have the hydraulic capacity to receive the increased runoff.		
<b>Responsible Officer</b>	Manager Works		
<b>Commencement Date</b>	1/2/2014		
<b>Due Date</b>	30/6/2016		
<b>REPORTABLE MILESTONES / PROGRESS ACTIVITIES</b>			
<b>Activity Description</b>	<b>Op Plan 15/16</b>	<b>Op Plan 16/17</b>	<b>Op Plan 16/17</b>
Development assessment is undertaken to ensure the principles and key actions of the Drainage Strategy through participation in their review is achieved.	Ongoing	Ongoing	Ongoing

<b>Action Strategy 5.4</b>	Consider legal points of discharge of new development where there are limited flow paths that can in legal terms handle the runoff from upstream developments.		
<b>Responsible Officer</b>	Director Infrastructure Service		
<b>Commencement Date</b>	1/2/2014		
<b>Due Date</b>	30/6/2016		
<b>REPORTABLE MILESTONES / PROGRESS ACTIVITIES</b>			
<b>Activity Description</b>	<b>Op Plan 15/16</b>	<b>Op Plan 16/17</b>	<b>Op Plan 16/17</b>
Confirm legal points of discharge of new development where there are limited flow paths that can in legal terms adequately manage the runoff from upstream developments.	Ongoing	Ongoing	Ongoing

## 5.6. Strategic Priority Area 6: Project Prioritisation

Strategic Priority Area 6 was developed to ensure the upgrades to or the installation of stormwater drainage infrastructure projects are prioritised according to a risk mitigation approach.

<b>Action Strategy 6.1</b>	Reassess the drainage infrastructure projects that are necessary for managing stormwater runoff through the urban and industrial developments in the region.		
<b>Responsible Officer</b>	Works Engineer		
<b>Commencement Date</b>	1/4/2016		
<b>Due Date</b>	30/6/2015		
<b>REPORTABLE MILESTONES / PROGRESS ACTIVITIES</b>			
<b>Activity Description</b>	<b>Op Plan 15/16</b>	<b>Op Plan 16/17</b>	<b>Op Plan 16/17</b>
Ensure that drainage projects identified on the future drainage projects list meet the developed urban drainage criteria.	October	October	October

<b>Action Strategy 6.2</b>	Annually review the drainage infrastructure project prioritisation model.		
<b>Responsible Officer</b>	Works Engineer		
<b>Commencement Date</b>	1/2/2014		
<b>Due Date</b>	30/6/2016		
<b>REPORTABLE MILESTONES / PROGRESS ACTIVITIES</b>			
<b>Activity Description</b>	<b>Op Plan 15/16</b>	<b>Op Plan 16/17</b>	<b>Op Plan 16/17</b>
Review upgrade prioritisation Model for Drainage Projects.	September	September	September



<b>Action Strategy 6.3</b>	Undertake a reassessment of the Ten Year Capital Works Program based on the revised project prioritisation model.		
<b>Responsible Officer</b>	Manager Works		
<b>Commencement Date</b>	1/2/2014		
<b>Due Date</b>	30/6/2016		
<b>REPORTABLE MILESTONES / PROGRESS ACTIVITIES</b>			
<b>Activity Description</b>	<b>Op Plan 15/16</b>	<b>Op Plan 16/17</b>	<b>Op Plan 16/17</b>
Prioritise upgrade projects in accordance with upgrade prioritisation Model for Drainage	October	October	October

<b>Action Strategy 6.4</b>	Include provision within the Ten Year Capital Works Program for minor projects which may assist in managing higher frequency events, without the implementation of fully developed drainage schemes.
<b>Responsible Officer</b>	Works Engineer
<b>Commencement Date</b>	1/2/2014
<b>Due Date</b>	30/6/2016

<b>REPORTABLE MILESTONES / PROGRESS ACTIVITIES</b>			
<b>Activity Description</b>	<b>Op Plan 15/16</b>	<b>Op Plan 16/17</b>	<b>Op Plan 16/17</b>
Identify a list of minor drainage projects that may assist in managing higher frequency events.	September	September	September
Prioritise the list of minor drainage projects that may assist in managing higher frequency events.	October	October	October
Include minor urban drainage projects in 10 year Capital Works Program for adoption.	November	November	November