



Engineering standards

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The Department of State Development, Infrastructure and Planning is responsible for driving the economic development of Queensland.

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Introduction

Purpose of the guideline

This guideline outlines the engineering standards for design and construction of service infrastructure in Priority Development Areas (PDAs) in Queensland. This guideline should be read in conjunction with the provisions of PDA development schemes and interim land use plans (ILUPs) and other relevant PDA guidelines.

A development scheme or ILUP may specify a different standard or specific response. Applicants may propose alternative, innovative solutions in consultation with the Minister for Economic Development Queensland (MEDQ) and other relevant parties as appropriate.

The documents referenced in this guideline are the version current at the time a decision is made on a development application. The MEDQ may have regard to other documents in assessing development applications.



Design standards

	Engineering standards
Sewer and water	<ul style="list-style-type: none"> » SEQ Water Supply and Sewerage Design and Construction Code » Standards of the water and sewerage service provider (e.g. Queensland Urban Utilities)
Stormwater quality	<ul style="list-style-type: none"> » <i>State Planning Policy 4/10: Healthy Waters</i> and associated Guideline » South East Queensland - Regional Plan 2009-2031 <i>Implementation Guideline No. 7 Water sensitive urban design: Design objectives for urban stormwater management</i> » <i>Environmental Protection (Water) Policy 2009</i> » <i>Water Sensitive Urban Design Technical Design Guidelines in SEQ</i> » <i>Construction and Establishment Guidelines: Swales, Bioretention Systems and Wetlands</i> » <i>DERM Urban Stormwater Quality Planning Guidelines</i> » Healthy Waterways Framework for the Integration of Flood and Stormwater Management into Open Space » <i>Gold Coast City Council Planning Scheme Policy No.11: Land Development Guidelines Section 13.1.3 Alteration or Creation of a Waterbody</i>
Stormwater quantity	<ul style="list-style-type: none"> » <i>Queensland Urban Drainage Manual (QUDM)</i> » Australian Rainfall and Runoff (ARR) - where referenced by QUDM » Relevant local government design and construction standards
Major ¹ roads	<ul style="list-style-type: none"> » DTMRs' Road Planning and Design Manual - A guide to Queensland Practice (when available) (Note: This document is currently in preparation and will reference Austroads Guide to Road Design). Until the Road Planning and Design Manual - A guide to Queensland Practice is available; refer to DTMR's <i>Interim Guide to Road Planning and Design Practice</i> » <i>DTMR Pavement Design Manual</i> » <i>DTMR Bridge Design Drafting Manual</i> » <i>Queensland Urban Drainage Manual (QUDM)</i> » <i>DTMR Road Drainage Manual</i> » <i>DTMR Manual of Uniform Traffic Control Devices</i> » <i>DTMR Guide to Pavement Markings (print only)</i> » Australian Standard AS1158 (Street Lighting)
Minor ² roads	<ul style="list-style-type: none"> » See <i>PDA Guideline No 6 Street and Movement Network</i> » <i>Queensland Complete Streets - Guidelines for Urban Street Design</i> » Relevant local government construction standards » <i>DTMR Planning for Safe Transport Infrastructure at Schools</i>

¹ Major Roads are Freeway, Primary (other Arterial), Secondary Arterial per Austroad's Guide to Road Design

² Minor Roads are all other roads

	Engineering standards
Vehicle parking	» Australian Standard AS2890 - Parking Facilities (Parts 1 to 6)
Site access	» Relevant local government design and construction standards
Footpaths, cycle paths and end of trip facilities	<ul style="list-style-type: none"> » Local government standards for construction » Austroads - Guide to Traffic Management Part 6A: Pedestrian and Cyclist Paths » Refer also to PDA <i>Guideline No 6 Street and Movement Network</i>
Public transport	<ul style="list-style-type: none"> » <i>Translink Public Transport Infrastructure Manual</i> » <i>DTMR Planning for Safe Transport Infrastructure at Schools</i> » <i>DTMR's Interim Guide to Road Planning and Design Practice</i>
Soil erosion	» International Erosion Control Association (IECA) - <i>Best Practice Erosion and Sediment Control</i>
Filling	» Australian Standard AS3798 -Guidelines on Earthworks for Commercial and Residential Developments

Contact Us

Visit our website at: www.edq.qld.gov.au

Write to us at:

Economic Development Queensland

GPO Box 2202

Brisbane QLD 4001

Telephone us: 1300 130 215

Fax us: (07) 302 44199