



# **FNQROC Regional Development Manual**

## **Version Check**

<b>Document Name</b>	<b>Issue No.</b>
<b>User Guide</b>	03.17
<b>Definitions</b>	03.17
<b>AP1 Application Procedures</b>	11.19
<b>CP1 Construction Procedures</b>	11.19
<b>DP1 Development Principles</b>	11.19
<b>DESIGN GUIDELINES</b>	
<b>D1 Road Geometry</b>	11.19
<b>D2 Site Regrading</b>	11.19
<b>D3 Road Pavements</b>	11.19
<b>D4 Stormwater Drainage</b>	11.19
<b>D5 Stormwater Quality</b>	11.19
<b>D6 Water Reticulation</b>	11.19
<b>D7 Sewerage System</b>	11.19
<b>D8 Utilities</b>	11.19
<b>D9 Landscaping</b>	11.19
<b>SPECIFICATIONS</b>	
<b>S1 Earthworks</b>	11.19
<b>S2 Road Pavements</b>	11.19
<b>S3 Segmental Paving</b>	11.19
<b>S4 Stormwater Drainage</b>	11.19
<b>S5 Water Reticulation</b>	11.19
<b>S6 Sewerage Reticulation</b>	11.19
<b>S7 Concrete Works</b>	11.19
<b>S8 Landscaping</b>	11.19
<b>LOCAL GOVERNMENT SPECIFIC</b>	
<b>Cairns Regional Council</b>	11.19
<b>Cassowary Coast Regional Council</b>	01.09
<b>Cook Shire Council</b>	03.14
<b>Douglas Shire Council</b>	03.14
<b>Mareeba Shire Council</b>	11.19
<b>Tablelands Regional Council</b>	03.14

## STANDARD DRAWINGS

## Version

<b>S1000</b>	<b>Concrete Kerb &amp; Channel</b>	<b>G</b>
<b>S1004</b>	<b>Typical Section for 4.5m Verge</b>	<b>A</b>
<b>S1005</b>	<b>Typical Road Cross Sections Type 1, Type 2, and Type 3</b>	<b>E</b>
<b>S1006</b>	<b>Typical Road Cross Sections Type 4, Type 5 and Type 6</b>	<b>D</b>
<b>S1007</b>	<b>Typical Road Cross Sections Type 7 and Type 8</b>	<b>D</b>
<b>S1008</b>	<b>Typical Road Cross Sections Type 9 and Type 10</b>	<b>D</b>
<b>S1009</b>	<b>Typical Road Cross Sections Type 11 and 12</b>	<b>C</b>
<b>S1010</b>	<b>Public Utilities on Road Verges</b>	<b>B</b>
<b>S1015</b>	<b>Access Crossovers</b>	<b>E</b>
<b>S1016</b>	<b>Kerb Ramp</b>	<b>D</b>
<b>S1025</b>	<b>Handrail Tubular Steel Fence</b>	<b>A</b>
<b>S1026</b>	<b>Tramway Reserve Fence &amp; Weldmesh Fence</b>	<b>A</b>
<b>S1027</b>	<b>Security Fencing</b>	<b>A</b>
<b>S1035</b>	<b>Pathways / Bikeways</b>	<b>D</b>
<b>S1036</b>	<b>Bikeway Slowdown Control Details</b>	<b>B</b>
<b>S1037</b>	<b>Bikeway Slowdown Control Reverse Curve</b>	<b>A</b>
<b>S1038</b>	<b>Bikeway Slowdown Control Offset Chicane</b>	<b>A</b>
<b>S1039</b>	<b>Bikeway Slowdown Control Z Chicane</b>	<b>A</b>
<b>S1040</b>	<b>Street Name Signs</b>	<b>F</b>
<b>S1041</b>	<b>Traffic Control Devices</b>	<b>B</b>
<b>S1045</b>	<b>Excavation, Bedding &amp; Backfilling of Precast Box Culverts</b>	<b>B</b>
<b>S1046</b>	<b>Excavation, Bedding &amp; Backfilling of Concrete Pipes</b>	<b>B</b>
<b>S1050</b>	<b>Grated Kerb Inlet Pit Pipe dia. Less than 600mm</b>	<b>C</b>
<b>S1055</b>	<b>Grated Kerb Inlet Pit Pipe dia. Greater than 600mm</b>	<b>E</b>
<b>S1060</b>	<b>Kerb Inlet Grate and Frame</b>	<b>C</b>
<b>S1065</b>	<b>Stormwater Manholes 1050 &amp; 1500</b>	<b>C</b>
<b>S1066</b>	<b>Access Chamber Rectangular Roof Slab</b>	<b>A</b>
<b>S1070</b>	<b>Field Inlet Pits</b>	<b>C</b>
<b>S1075</b>	<b>Concrete Pipe Headwall 375mm to 675mm</b>	<b>B</b>
<b>S1080</b>	<b>Box Culvert Headwall H150mm to 600mm</b>	<b>B</b>
<b>S1085</b>	<b>Concrete Headwall Wing Walls and Apron</b>	<b>C</b>
<b>S1090</b>	<b>Box Culvert Headwall Wingwalls and Apron</b>	<b>A</b>
<b>S1095</b>	<b>Subsurface Drainage Flushing Points Outlet</b>	<b>C</b>

<b>S1096</b>	<b>Line treatment with official bikepath and sealed shoulder (typical) non-signalised intersection</b>	<b>B</b>
<b>S1100</b>	<b>Stormwater Drainage Entry Gates</b>	<b>C</b>
<b>S1105</b>	<b>Rural Allotment Accesses</b>	<b>F</b>
<b>S1110</b>	<b>Concrete Driveway for Allotment Access</b>	<b>E</b>
<b>S2000</b>	<b>Valve Box Installation</b>	<b>D</b>
<b>S2001</b>	<b>Air Valve Pit Air Release</b>	<b>C</b>
<b>S2005</b>	<b>Hydrant Box Installation</b>	<b>D</b>
<b>S2010</b>	<b>Kerb &amp; Road Markers</b>	<b>E</b>
<b>S2011</b>	<b>Steel Marker Posts</b>	<b>B</b>
<b>S2012</b>	<b>Timber Marker Posts</b>	<b>B</b>
<b>S2015</b>	<b>Thrust Block Details</b>	<b>C</b>
<b>S2016</b>	<b>Water Reticulation Bedding Details</b>	<b>B</b>
<b>S2020</b>	<b>Main Connection details</b>	<b>C</b>
<b>S2025</b>	<b>Water Service Road Crossings Low Density Residential</b>	<b>B</b>
<b>S2035</b>	<b>Water Reservoir Level Indicator Details</b>	<b>Deleted</b>
<b>S2038</b>	<b>Standard Arrangement of 20mm Water Service and Recycled Water installations</b>	<b>B</b>
<b>S2041</b>	<b>Water Lift Pump station (Elevations, sections plans and details</b>	<b>A</b>
<b>S2040</b>	<b>Water lift pump station (Layout plan)</b>	<b>A</b>
<b>S2050</b>	<b>Standard arrangement of &gt;80mm Water and Fire Installations</b>	<b>B</b>
<b>S3000</b>	<b>Sewerage Manholes</b>	<b>D</b>
<b>S3005</b>	<b>Property Connection Branches</b>	<b>E</b>
<b>S3015</b>	<b>Sewer Bedding – Trench Details</b>	<b>C</b>
<b>S3020</b>	<b>Sewerage Pump Station Cast Insitu</b>	<b>E</b>
<b>S3025</b>	<b>Sewerage Pump Station Precast Units</b>	<b>D</b>
<b>S3030</b>	<b>Sewerage Pump Station Details</b>	<b>B</b>
<b>S3035</b>	<b>Pump Station Overflow</b>	<b>A</b>

<b>S4100</b>	<b>Tree Guards</b>	<b>F</b>
<b>S4110</b>	<b>Traffic Island Medians</b>	<b>F</b>
<b>S4210</b>	<b>Street Tree Planting</b>	<b>F</b>
<b>S4220</b>	<b>Landscape Mounding</b>	<b>B</b>
<b>S4230</b>	<b>Buffer Mound</b>	<b>G</b>
<b>S4300</b>	<b>Log Barrier Fencing &amp; Timber Bollards</b>	<b>F</b>
<b>S4340</b>	<b>Typical Bench Seat</b>	<b>E</b>
<b>S4370</b>	<b>Typical Playground Edging</b>	<b>F</b>
<b>S4380</b>	<b>Garden Bed Edging</b>	<b>E</b>
<b>S4390</b>	<b>Advisory Signs</b>	<b>E</b>
<b>S9000</b>	<b>Aerial Pipe Crossings</b>	<b>B</b>
<b>S9001</b>	<b>Protection Grill for Aerial Pipe Crossings</b>	<b>A</b>
<b>S9005</b>	<b>Dual Module Electric Control Box</b>	<b>A</b>
<b>S9010</b>	<b>Park Access Gate</b>	<b>B</b>

## **LOCAL GOVERNMENT SPECIFIC DRAWINGS**

### **Cairns Regional Council**

#### **Roadwork's & Drainage**

<b>S1020A-CRC</b>	<b>Segmental Paving Units</b>
<b>S1035A-CRC</b>	<b>CBD Pathways</b>
<b>S1040B-CRC</b>	<b>Street Signage</b>

#### **Water**

<b>S9020A-CRC</b>	<b>Above Ground Pressure Relief Valve (PRV) 300mm DIA</b>
<b>S9021A-CRC</b>	<b>Above Ground Pressure Relief Valve (PRV) 150mm DIA</b>
<b>S9022A-CRC</b>	<b>District Meter</b>
<b>S9025A-CRC</b>	<b>Scour Valve and Dissipation Manhole</b>

## **Sewerage**

<b>S3035B-CRC</b>	<b>Pump Station Overflow</b>
<b>S3036B-CRC</b>	<b>Pump Station Overflow Pit Screen and Stop Board Details</b>
<b>S3037B-CRC</b>	<b>Pump Station Overflow Pit Double Flap Valve</b>
<b>S3038A-CRC</b>	<b>Pump Station Overflow Outlet Flap Valve</b>
<b>S3039A-CRC</b>	<b>Pump Station Overflow Outlet Cage</b>
<b>S9026A-CRC</b>	<b>Scour Valve Arrangement for Sewerage Applications</b>

## **Landscaping**

<b>S4010B-CRC</b>	<b>Typical Planting Plan &amp; Plant Schedule</b>
<b>S4020B-CRC</b>	<b>Typical Hard Landscape Plan</b>
<b>S4110A-CRC</b>	<b>Landscaping Guidelines - Tree Grate Type 1</b>
<b>S4120A-CRC</b>	<b>Landscaping Guidelines - Footpath Planter Type A</b>
<b>S4130A-CRC</b>	<b>Landscaping Guidelines - Footpath Planter Type B</b>
<b>S4140A-CRC</b>	<b>Landscaping Guidelines - Footpath Planter Type C</b>
<b>S4150A-CRC</b>	<b>Landscaping Guidelines - Footpath Planter Type D</b>
<b>S4160B-CRC</b>	<b>Landscaping Guidelines - Footpath Planter Type E</b>
<b>S4170A-CRC</b>	<b>Treatment to boundaries - Treatment Type A &amp; B</b>
<b>S4171A-CRC</b>	<b>Treatment to boundaries – Combination of Treatments</b>
<b>S4200B-CRC</b>	<b>Verge Landscaping Guidelines - Tree Planting: Setout</b>
<b>S4210B-CRC</b>	<b>Urban Street Tree Planting</b>
<b>S4220B-CRC</b>	<b>Car Park Tree Planting</b>
<b>S4310C-CRC</b>	<b>Landscaping Guidelines - Timber Bollard</b>
<b>S4320A-CRC</b>	<b>Post and Rail</b>
<b>S9050A-CRC</b>	<b>PWD Drinking Fountain</b>
<b>S9060A-CRC</b>	<b>Dogs Not Permitted in Playground Area Sign</b>
<b>S9070A-CRC</b>	<b>Rubbish Bin Enclosure</b>

## **Cassowary Coast Regional Council**

<b>09002-r1</b>	<b>Standard Above Ground Water Meter Plan &amp; Elevation</b>
<b>09039-r0</b>	<b>Standard Below Ground Water Meter Plan &amp; Elevation</b>
<b>09040-r0</b>	<b>Standard Water Details Water Services to Rural &amp; Residential Allotments</b>
<b>09041-0</b>	<b>Standard Detail Rollover Kerb &amp; Channel Elevation</b>

**Cook Shire Council**

Nil

**Douglas Shire Council**

Nil

**Mareeba Shire Council**

<b>S2000A-MSC</b>	<b>Valve Box Installation</b>
<b>S2005A-MSC</b>	<b>Hydrant Box Installation</b>
<b>S2015A-MSC</b>	<b>Thrust Block details</b>
<b>S2020E-MSC</b>	<b>Main Connection Details</b>
<b>S2060B-MSC</b>	<b>Domestic Water Service Connection Details</b>
<b>S3021A-MSC</b>	<b>Sewerage Pump Station Assembly Details</b>
<b>S3022A-MSC</b>	<b>Sewerage Deep Combo Pump Station General Arrangement</b>

**Tablelands Regional Council**

<b>S2000E-TRC</b>	<b>Valve Box Installation</b>
<b>S2005E-TRC</b>	<b>Hydrant Box Installation</b>
<b>S2015E-TRC</b>	<b>Thrust Block Details</b>
<b>S2020E-TRC</b>	<b>Main Connection Details</b>
<b>S2060B- TRC</b>	<b>Domestic Water Service Connection details</b>

**Wujal Wujal Aboriginal Shire Council**

Nil