



Drawings

QA	Quality Assurance	<p>QA-01 Relativity of Datum Levels</p> <p>QA-02 Draughting Symbols</p> <p>QA-03 As Built Dimensioning</p> <p>QA-04 Benchmark In K & C</p> <p>QA-05 Benchmark in Block</p>
200	Streetscape	<p>W201 Street Trees - Tree Location</p> <p>W202 Street Trees - Tree Planting & Mulchable Area</p> <p>W203 Street Trees - Tree Tie Configuration</p> <p>W204 Sight Distances</p> <p>W205 Street Garden Garden Edging</p>
300	Reserves	<p>W301 Timber Work - Bollards</p> <p>W302 Timber Work - Removable Bollard Detail</p> <p>W305 Fencing - Post & Rail</p> <p>W306 Fencing - Fencing for Reserves and Accessways (to be vested)</p> <p>W307 Fencing – Rural Reserves & Accessways</p> <p>W308 Fencing – Solid, Railing & Combination</p>
400	Transportation	<p>W401 Carriageway - Location & Variations 1-4</p> <p>W402 Carriageway - Location & Variations 5</p> <p>W403 Carriageway - Location & Variations 6</p> <p>W404 Carriageway - Location & Variations 7</p> <p>W406 Turning Areas</p> <p>W407 Tee Intersection Details</p> <p>W410 Swept Path Design 90% Car</p> <p>W411 Swept Path Design Minimum Truck</p> <p>W412 Swept Path Design 90% Semi Trailer</p> <p>W414 Intersection Sight Distances</p> <p>W415 Entranceway Sight Distances</p> <p>W417 Standard Rural Public Road</p> <p>W418 Rural/Residential Road</p> <p>W419 Carriageway Trench Reinstatement</p> <p>W422 Subsoil Drain for Kerbs</p> <p>W423 Concrete Work - Kerb & Channel</p> <p>W424 Concrete Work - Kerb & Nib for Traffic Island</p> <p>W425 Concrete Work – Precast Traffic Islands</p>



- W426 Concrete Work – Dished Channel
- W427 Concrete Work – Recessed Sump
- W428 Concrete Work – Alternative Sump (Special Approval Only)
- W429 Concrete Work – Sump Frame & Grate
- W430 Concrete Work – Drop Structure
- W435 Urban Vehicle Crossing
- W436 Vehicle Crossing Profiles
- W437 Rural Vehicle Entrance
- W438 Residential Private Way
- W439 Rural Private Way
- W440 Rural Privateway Passing Bay
- W445 Berm Features – Mobility Pram Kerb Crossing
- W446 Berm Features – Pedestrian & Cycle Pathway
- W449 Walkway/Accessway & Pedestrian/Cycle Pathway
- W460 Road Marking – Parking Dimensions
- W461 Road Marking – Urban Right Turn Bay (Option A)
- W462 Road Marking – Urban Right Turn Bay (Option B)
- W463 Road Marking – Rural Right Turn Bay
- W464 Road Marking – Culvert Marker
- W468 Pio Shores Urban Vehicle Crossing

500 Stormwater

- W501 Structure – Manhole Standard
- W502 Structure – Manhole Shallow
- W503 Structure – Manhole Ladder & Steps
- W504 Structure – Manhole Precast 1050mmØ LID
- W505 Structure – Manhole Entry Fixing
- W506 Structure – Manhole Standard & Raised Access Detail
- W507 Structure – Manhole Inclined Access Detail
- W514 Structure – Manhole Standard Cover & Frame
- W515 Structure – Manhole Light Cover & Frame
- W516 Structure – Manhole Heavy Duty Non-rock Type Cover & Frame
- W521 Structure – Rodding Eye Shallow < 2.5m
- W522 Structure – Rodding Eye Deep > 2.5m
- W524 Structure – Inlet & Outlet Structure
- W526 Structure – Yard Sump
- W531 Property Connection – Standard
- W532 Property Connection Depth > 2.5m
- W533 Property Connection Within Property
- W534 Property Connection Outside Property
- W535 Property Connection Entry to Stormwater Main/Mainhole
- W536 Property Connection Kerb Connection
- W537 Property Connection Stormwater Downpipe Syphons (Residential Sites Only)
- W538 Lateral Connection Single Connection to Manhole
- W539 Lateral Connection 2 to 6 Connections to Manhole
- W540 Lateral Connection Single Connection to Main
- W541 Lateral Connection Two Connections to Main
- W542 Lateral Connection Two Adjacent Connections to Main



600 Wastewater

- W533 Lateral Connection Rear Lot Connection**
- W544 Mains Connection Saddle Connection**
- W551 Trenchless Pipe Installation**
- W552 Anti-Scour Blocks**
- W553 Close Proximity Building Near Public Mains**
- W554 Close Proximity Retaining Wall Restrictions**

- W601 Structure – Manhole Standard**
- W603 Structure – Manhole Ladder & Steps**
- W604 Structure – Manhole Precast 1050mmØ LID**
- W605 Structure – Manhole Entry Fixing**
- W606 Structure – Manhole Standard & Raised Access Detail**
- W607 Structure – Manhole Inclined Access Detail**
- W608 structure – Manhole Internal Drop**
- W609 Structure – Manhole External Drop**
- W610 Structure – Manhole PE Pipe Connections Wall Adapter & Precast Manhole**
- W611 Structure – Manhole PE Pipe Connections Stub Flange & In-Situ Base**
- W612 Structure – Manhole PE Pipe Connections Electrofusion Coupler & In-Situ Base**
- W613 Structure – Manhole PE Pipe Connections Puddle Flange & Precast Manhole**
- W614 Structure – Manhole Standard Cover and Frame**
- W615 Structure – Light Cover and Frame**
- W616 Structure – Manhole – Heavy Duty Non Rock Type Cover & Frame**
- W620 Structure – Rodding Eye Shallow <2.5m**
- W621 Structure – Rodding Eye Deep >2.5m**
- W630 Property Connection - Standard**
- W631 Property Connection - Depth >2.5m**
- W632 Property Connection - Within Property**
- W633 Property Connection - Outside Property**
- W634 Property Connection - Entry to Wastewater Main/Manhole**
- W637 Lateral Connection - Single Connection to Manhole**
- W638 Lateral Connection - 2 to 6 Connections to Manhole**
- W639 Lateral Connection - Single Connection to Main**
- W640 Lateral Connection - Two Connections to Main**
- W641 Lateral Connection - Two Adjacent Connections to Main**
- W642 Lateral Connection - Rear Lot Connection**
- W643 Mains Connection Saddle Connection**
- W644 Bulk Head & Trenchstop**
- W652 Close Proximity - Building Near Public Mains**
- W653 Close Proximity - Retaining Wall Restrictions**



700	Water	<p>W701 Water Supply – Looped and Linked Principal Mains</p> <p>W702 Water Main – Location at Intersections</p> <p>W706 Water Main – Main to Main Connection</p> <p>W708 Water Main – Branch Valves and Hydrant Combinations</p> <p>W709 Water Main – Support for Asbestos Cement Main</p> <p>W710 Water Fittings Hydrant Surround</p> <p>W714 Water Fittings Hydrant Box</p> <p>W715 Water Fittings Hydrant Surround Blocks</p> <p>W716 Water Fittings Valve Surround</p> <p>W717 Water Fittings Valve Box</p> <p>W718 Water Fittings Valve Surround 75mm Concrete</p> <p>W719 Water Fittings Valve Surround 100mm Concrete</p> <p>W720 Water Fittings Valve Surround Heavy Duty Concrete</p> <p>W721 Water Fittings Anchor Block for Sluice Valves On Mains</p> <p>W722 Water Fittings Anchor Block for Flanged Fittings on Mains</p> <p>W724 Water Fittings Hydrant & Valve Marker Post</p> <p>W727 Water Meter Type 1 & 2 Point of Supply Location Installation</p> <p>W728 Water Meter Type 3 & 4 Point of Supply Location Installation</p> <p>W729 Water Meter Fire System Connection with Potable Supply Installation</p> <p>W730 Property Connection Standard 20mm Manifold Connections</p> <p>W731 Property Connection Standard 20mm Manifold Connections Plan View</p> <p>W732 Property Connection Multiple 20mm Manifold Connections</p> <p>W733 Property Connection 20mm Connection Requiring Double Check Valve</p> <p>W734 Property Connection 20mm Connection Requiring RPZ Installation</p> <p>W735 Property Connection 25mm OR 40mm Meter Installation with Double Check Valve</p> <p>W736 Property Connection 25mm OR 40mm Meter Installation with RPZ</p> <p>W737 Property Connection 50mm Combination Meter Installation With Double Check Valve</p> <p>W738 Property Connection Combination Meter Installation with RPZ</p> <p>W739 Property Connection Combined Meter Installation with RPZ and Bypass Option</p> <p>W740 Property Connection Secure Connection</p>
800	Streetlighting	<p>W801 Streetlighting Mowing Strip Detail</p>
900	Network Utilities	<p>W901 Network Utility Locations</p>
1000	Natural Hazards & Earthworks	<p>No Drawings</p>



1100 Wastewater Pump Station

- W1101 Typical Site Layout
- W1102 Elevation Section
- W1103 Plan Section
- W1104 Detail - Pedestal Base Plate, Pedestal Mounting, Valve Chamber & Riser
- W1105 Detail - Deflector Plate, Ladder and Plinth
- W1106 Detail - Valve Extension Spindle, Spindle Guide and Handwheel
- W1107 Detail - Detail Cover Slab
- W1108 Detail - Detail Frame
- W1109 Detail - Detail Chamber Lid
- W1110 Detail - Chamber Lid Padlock and Handle
- W1111 Alternate Rising Main Entry to Receiving Manhole
- W1112 25mm Water Service Connection
- W1113 Electrical - Standard 2 Pump Stn Without Soft Starters (1 of 2)
- W1114 Electrical - Standard 2 Pump Stn Without Soft Starters (2 of 2)
- W1115 Electrical - Standard 2 Pump Stn SMC - 3 Soft Starters (1 of 2)
- W1116 Electrical - Standard 2 Pump Stn SMC - 3 Soft Starters (2 of 2)
- W1117 Electrical - Standard 2 Pump Stn IMS2 Soft Starters (1 of 2)
- W1118 Electrical - Standard 2 Pump Stn IMS2 Soft Starters (2 of 2)
- W1119 Electrical - Standard 2 Pump Stn ISMC - 3 Soft Starters (1 of 3)
- W1120 Electrical - Standard 2 Pump Stn ISMC - 3 Soft Starters (2 of 3)
- W1121 Electrical - Standard 2 Pump Stn ISMC - 3 Soft Starters (3 of 3)
- W1122 Electrical - 2 Pump Stn Mincas SMC - 3 Soft Starters (1 of 2)
- W1123 Electrical - 2 Pump Stn Mincas SMC - 3 Soft Starters (2 of 2)
- W1124 Electrical - Pumping Station Cabinet