



Development Code: Construction

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Approved Materials

AP1	Approval Process
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Standard Checklists

Introduction

CERT1	General <ul style="list-style-type: none">- Section 224 Certification Statement- GST Requirements/Asset Register/Schedule of Engineering/Landscape Value- Financial Asset Register/Schedule of Asset Values- Quality Assurance Checklist Sheets – Earthworks- Quality Assurance Checklist Sheets – Roading- Quality Assurance Checklist Sheets – Underground Services- Benchmark Record
CERT2	Streetscape <ul style="list-style-type: none">- Under Development
CERT3	Reserves <ul style="list-style-type: none">- Under Development
CERT4	Transportation <ul style="list-style-type: none">- Confirmation of Road & Ancillary Construction- Road Opening Notice
CERT5	Stormwater <ul style="list-style-type: none">- Confirmation of Stormwater Construction
CERT6	Wastewater <ul style="list-style-type: none">- Confirmation of Sanitary Sewer Construction
CERT7	Water <ul style="list-style-type: none">- Confirmation of Water Reticulation- Working on Utilities Notice
CERT8	Streetlighting <ul style="list-style-type: none">- Under Development
CERT9	Network Utilities <ul style="list-style-type: none">- Under Development
CERT10	Natural Hazards and Earthworks <ul style="list-style-type: none">- Suitability of Land for Development- Suitability of Land for Building
CERT11	Wastewater Pump Stations/Rising Mains <ul style="list-style-type: none">- Under Development



As Builts

- AB1 As Built Specification – Utilities
- AB2 As Built Specification – Roading



Drawings

200	Streetscape	<ul style="list-style-type: none"> W201 Street Tree Placement W202 Juvenile Tree Planting & Mulchable Area W203 Recommended Street Tree Tie Configuration W204 Garden Edging W205 Sight Distances
300	Reserves	<ul style="list-style-type: none"> W301 Bollards W302 Removable Bollard Detail W303 Post & Rail Fence W304 Fencing For Reserves & Accessways (To Be Vested) W305 Standard Rural Fencing - For Reserves W306 Fencing
400	Transportation	<ul style="list-style-type: none"> W401 Carriageway Location & Variations 1-4 W402 Carriageway Location & Variations 5 W403 Carriageway Location & Variations 6 W404 Carriageway Location & Variations 7 W405 Standard Rural Public Road W406 Tee Intersection Details W407 Turning Areas W408 Swept Path Design - 90% Car W409 Swept Path Design - Minimum Truck W410 Indented Bus Bay W411 Entranceway Sight Distances W412 Visibility at Entrances W413 Subsoil Drain for Kerbs W414 Concrete Work – Kerb & Channel W415 Concrete Work – Kerb & Nib for Traffic Island W416 Concrete Work – Dished Channel W417 Concrete Work – Recessed Sump W418 Concrete Work – Alternative Sump (Special Approval Only) W419 Concrete Work – Precast Traffic Islands W420 Sump – Frame & Grate W421 Drop Structure W422 Urban Vehicle Crossing W423 Vehicle Crossing Profiles W424 Rural Vehicle Entrance W425 Residential Private Way W426 Rural Private Way W427 Rural Private Way Passing Bay W428 Rural/Residential Road W429 Mobility Crossing W430 Not applicable



- W431 Pedestrian & Cycle Pathway
- W432 Walkway Landscape
- W434 Road Marking – Parking Dimensions
- W435 Road Marking – Urban Right Turn Bay (Option A)
- W436 Road Marking – Urban Right Turn Bay (Option B)
- W437 Road Marking – Rural Right Turn Bay
- W438 Culvert Marker
- W439 Scala Penetrometer – CBR Conversion Chart
- W470 Pio Shores Urban Vehicle Crossing
- W480 Not Applicable
- W481 Not Applicable
- W482 Not Applicable
- W483 Not Applicable
- W484 Not Applicable
- W485 Not Applicable
- W486 Not Applicable
- W487 Not Applicable
- W488 Not Applicable
- W489 Not Applicable

500 Stormwater

- W501 Property Connection – Standard
- W502 Property Connection – Depth > 2.5m
- W503 Property Connection – Within Property
- W504 Property Connection – Outside Property
- W505 Property Connection – Entry to Main Stormwater/Manhole
- W506 Property Connection – Kerb Connection
- W507 Yard Sump
- W508 Manhole – Standard
- W509 Manhole – Shallow
- W510 Manhole – Ladder & Steps
- W511 Manhole – Precast 1050mmØ LID
- W512 Manhole – Entry Fixing
- W513 Manhole – Standard Cover & Frame
- W514 Manhole – Light Cover & Frame
- W515 Manhole – Heavy Duty Non-Rock Type Cover & Frame
- W516 Manhole – Standard and Raised Access Detail
- W517 Manhole – Inclined Access Detail
- W518 Bulk Head – Anti-Scour
- W519 Saddle Connection
- W520 Trenchless Pipe Installation
- W521 Inlet and Outlet Structure
- W522 Stormwater Downpipe Syphons – Residential Sites Only
- W523 Building Near Public Mains
- W524 Retaining Wall Restrictions



600	Wastewater	<p> W601 Property Connection – Standard W602 Property Connection – Depth > 2.5m W603 Property Connection – Within Property W604 Property Connection – Outside Property W605 Property Connection – Entry to Main Sewer/Manhole W606 Rodding Eye – Shallow < 2.5m W607 Rodding Eye – Deep > 2.5m W608 Manhole – Standard W610 Manhole – Ladder & Steps W611 Manhole – Precast 1050mmØ LID W612 Manhole – Entry Fixing W613 Manhole – Standard Cover & Frame W614 Manhole – Light Cover & Frame W615 Manhole – Heavy Duty Non-Rock Type Cover & Frame W616 Manhole – Standard & Raised Access Detail W617 Manhole – Inclined Access Detail W618 Manhole – Internal Drop W619 Manhole – External Drop W620 Manhole – PE Pipe Connections – Wall Adapter & Pre-cast Manhole W621 Manhole – PE Pipe Connections – Stub Flange & In-Situ Base W622 Manhole – PE Pipe Connections – Electrofusion Coupler & In-Situ Base W623 Manhole – PE Pipe Connections – Puddle Flange & Pre-cst Manhole W624 Bulk Head & Trenchstop W625 Saddle Connection W626 Building Near Public Mains W627 Retaining Wall Restrictions W628 Single Connection to Manhole W629 2 or More Connections to Manhole W630 Single Connection to Main W631 Two Connections to Main W632 Two Adjacent Connections to Main W633 Rear Lot Connection </p>
700	Water	<p> W701 Service Connection – Standard 20mm Manifold Connection W702 Service Connection – Multiple 20mm Manifold Connection W703 Service Connection – Standard 20mm Manifold Connection W704 Service Connection – 20mm Connection Requiring Double Check Valve W705 Service Connection – 20mm Connection Requiring RPZ Installation W706 Service Connection – 25 or 40mm Meter Installation with Double Check Valve W707 Service Connection – 25 or 40mm Meter Installation with RPZ W708 Service Connection – 50mm Combination Meter Installation with Double Check Valve W709 Service Connection – Standard Combination Meter Installation with RPZ </p>



		W710 Service Connection – Combination Meter Installation with RPZ & Bypass Option
		W711 Not Applicable
		W712 Not Applicable
		W713 Not Applicable
		W714 Water Meter – Fire System Connection with Potable Supply Installation
		W715 Water Main – Location at Intersections
		W716 Water Main – Main to Main Connection
		W717 Water Main – Looped & Linked Principal Mains
		W718 Water Main – Support for Asbestos Cement Main
		W719 Water Main – Conceptual Hydraulic Operation of a Gravity Main
		W720 Fittings – Hydrant Surround
		W721 Fittings – Hydrant Surround Blocks
		W722 Fittings – Hydrant Box
		W723 Fittings – Valve Surround
		W724 Fittings – Valve Surround 75mm Concrete
		W725 Fittings – Valve Surround 100mm Concrete
		W726 Fittings – Valve Surround Heavy Duty Concrete
		W727 Fittings – Valve Box
		W728 Fittings – Anchor Block for Sluice Valves on PVC and PE Main
		W729 Fittings – Anchor Block for Flanged Fittings on PE Main
		W730 Fittings – Hydrant and Valve Marker Post
		W731 Fittings – Branch Valves and Hydrant Combinations
800	Streetlighting	W801 Mower Strip Detail
900	Network Utilities	W901 Underground Service Locations
1100	Wastewater Pump Station	W1101 Not Applicable
		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 – Cover Slab
		W1108 Detail – Frame
		W1109 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)**