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1.0 REFERENCE SPECIFICATIONS

The specifications for the development (other than building work) must be based on the technical requirements of the Brisbane City Council *Reference Specifications for Civil Engineering Work* listed below:

- S110 General Requirements;
- S120 Quality;
- S140 Earthworks;
- S150 Roadworks;
- S160 Drainage;
- S170 Stonework;
- S180 Unit Paving;
- S190 Landscaping;
- S200 Concrete Work;
- S300 Quarry Products;
- S310 Supply of Asphalt;
- S320 Laying of Asphalt.

These *Reference Specifications for Civil Engineering Work* are available for sale in a separate document through the Customer Service and Regional Business Centres. The reference specifications define default provisions acceptable to Council for the typical situations and designs. The Developer may submit alternative provisions for approval of the Council's Delegate and must submit provisions for work beyond the scope of the reference specifications.

To facilitate the approval process, it is recommended that the reference specifications be adopted intact and their effect be modified, as necessary, by a job specification and/or annexure to the specifications and/or additional specifications and/or other modifying instrument. Only such modifying instruments then need to be submitted for approval.

The reference specification for General Requirements gives precedence to the job specification and any annexure to the specifications (in that order) over all the reference specifications.

Forms are available to assist in the preparation of *annexure to the specifications*. Users should obtain the current version before documenting each project. The current documents can be obtained by down loading from internet site [http://www.brisbane.qld.gov.au/business/developing in brisbane](http://www.brisbane.qld.gov.au/business/developing_in_brisbane).



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Approval by Council Delegate of the specifications extends only to the technical requirement. The Developer is responsible for any contractual or other legal impacts of the specification provisions.

The copyright of the reference specifications is vested in Brisbane City Council. However the reference specifications and annexure may be incorporated into tender and contract documents for the following works by reference. If documents are incorporated by reference, it will be necessary to quote the edition date.

- Work to be constructed for Council.
- Work in a development to be donated to Council.
- Other work constructed under the same contract as work to be donated to Council.



2.0 STANDARD DRAWINGS

The *Standard Drawings* are available for sale in a separate document through the Customer Service and Regional Business Centres.

Drawing No.	INDEX OF STANDARD DRAWINGS Description	Superseded Drawing
UMS 100 SERIES - GENERAL		
UMS 110 111 112	GENERAL DRAFTING Line Styles and Lettering Drawing Symbols	WS 9-1 WS 9-2
UMS 120 121 122 123 124	PUBLIC UTILITIES Service Corridors and Alignment (3.75m Wide Footpath) Service Conduit Sections (3.75m Wide Footpath) Service Corridors and Alignment (4.25m Wide Footpath) Service Conduit Sections (4.25m Wide Footpath)	WS 10-1 WS 10-2
UMS 130 131	ROAD FURNITURE Road Edge Guide Posts	WS 18-1
UMS 140 141 142	ROAD NETWORK Road Types and Road Widths (Minor & Industrial Roads) Road Types and Road Widths (Major Roads)	
UMS 200 SERIES - ROADS		
UMS 210 211 212 213 214 215	KERB AND CHANNEL Kerb and Channel Profiles Pre-cast Kerb Blocks Kerb Ramp Island Pedestrian Access Grid Crossing	WS 11-1 WS 11-2 WS 11-3 WS 11-4 WS 11-5
UMS 220 221 222 223 224 225	VEHICLE CROSSING Non-Residential Vehicle Crossing Residential Vehicle Crossing (Tracks) Residential Vehicle Crossing (Slab) Standard Driveway Entrance Grades (3.75m Footpath) Standard Driveway Entrance Grades (4.25m Footpath)	WS 12-1 WS 12-2 WS 12-3 WS 12-4 WS 12-4
UMS 230 231 232	CONCRETE FOOTPATHS Concrete Footpath 1.2m Wide Concrete Footpath Full Width	WS 13-1 WS 13-2



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UMS 240	FENCES	
241	Galvanised Tubular Handrail	WS 14-1
242	Galvanised Weldmesh Fencing	WS 14-2
243	Chainwire Fencing 1.8 m High	WS 14-3
244	Log Barrier Fencing 600 High	WS 14-4
245	Noise Barrier Fence 2.0 m High (Post and Paling)	WS 19-1
246	Noise Barrier Fence 2.0 m High (Post and Board)	WS 19-2
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252	Bikepath Pavement Joints	WS 16-2
253	Bikepath Slowdown Control (Reverse Curve)	WS 16-3
254	Drawing Removed From Service	
255	Bikepath Slowdown Control (Offset Chicane)	WS 16-5
256	Bikeway Furniture Details	WS 16-6 WS 16-1
UMS 260	PAVEMENT DESIGNS	
261	Side Drains and Mitre Drains	WS 17-1
262	Entrance Threshold (Pavers)	WS 17-2
263	Bus Bay Slab (Standard Crossfall)	WS 17-3
264	Bus Bay Slab (Adverse Crossfall)	WS 17-3
UMS 300 SERIES – DRAINAGE		
UMS 310	PIPES	
311	Bedding Methods for Precast Pipes	WS 50-1
UMS 320	MANHOLES AND CHAMBERS	
321	Stormwater Manhole Details 1050 to 1500 Diameter	WS 51-1
322	Manhole Roof Slab 1350 to 1950 Diameter	WS 51-2
323	Manhole Roof Slabs 1980 Diameter Extended 600 and 900 mm	WS 51-3
324	Reinforced Concrete Roof Slabs for Manhole Chambers	WS 51-4
325	Manhole Frame (Roadway and Non-Roadway) 1050 To 1500 Diameter	WS 51-6
326	Riser Details (Roadway)	WS 51-7
327	Manhole Cover (Roadway) 1050 To 1500 Diameter	WS 51-8
328	Manhole Cover (Non-Roadway) 1050 To 1500 Diameter	WS 51-9
329	Manhole Cover Concrete Infill (Non-Roadway) 1050 To 1500 Diameter	WS 51-10
UMS 330	GULLIES, GRATES AND FRAMES	
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332	Type A Gully Grate	UMS 52-2
333	Type A Gully Frame	UMS 52-3
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342	Inlets and Outlets (Stonepitched) Stormwater Drains	WS 53-1
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UMS 410	RETAINING WALLS	
411	Retaining Walls Stonepitched	
412	Retaining Wall Concrete Block Type 1 Footing	
413	Retaining Wall Concrete Block Type 2 Footing	

