

Date: **15 March 2012**

## ACCREDITED CONSULTANT LIST

### To undertake Engineering or City West Water Capital Works and Audit Services for the Land Development Industry


#### Disclaimer

These firms and individuals on this list have represented to City West Water Limited that they have the management capability, qualifications, expertise, and experience as well as technical capability to carry out the categories of work listed below. City West Water Limited makes no guarantees or warranties as to the performance, commercial practices or financial status of these firms. City West Water Limited does not endorse any of the products or services offered by the firms or individuals listed. It is strongly recommended that you undertake normal diligence procedures to select appropriate accredited consultants.

Engineering & Audit Services Code:	
<b>S1</b> – Reticulation and Branch Sewers ≤DN 375	<b>W1</b> – Reticulation Water Mains ≤DN 300
<b>S2</b> – Branch/Main Sewers >DN 375	<b>W2</b> – Distribution Water Mains >DN 300
<b>S3</b> – Pressure Sewer Systems	<b>W3</b> – Water Supply Pumping Station
<b>S4</b> – Sewage Pumping Station & Rising Main	<b>W4</b> – Specialist Works
<b>S5</b> – Vacuum Sewerage Systems	<b>W5</b> – Under Pressure Cut-In Connections (Audit Services Only)
<b>S6</b> – Specialist Works	<b>W6</b> – Steel Pipelines (Audit Services Only)
<b>S7</b> – Confined Spaces (Audit Services Only)	<b>W7</b> – Disinfection of water Mains (Audit Services Only)

Company	Contact ☎	Engineering Services Category	Audit Services Category (LD Only)
Arup Pty Ltd	(03) 9668 5500	S1 S4 S5 W1 W2	S1 S4 S5 S7 W1 W4
Aurecon Pty Ltd	(03) 8683 1233	S1 S2 S3 S4 W1 W2 W3	S1 S2 S4 S7 W1 W2
Bestway Group Pty Ltd	(03) 98864200	S1 W1	
Beveridge Williams & Co Pty Ltd	(03) 9527 4444	S1 S3 S4 W1 W2	S1 S3 S4 W1 W2
Bonacci Group Pty Ltd	(03) 9418 4000	S1 S6 W1 W4	S1 S6 W1 W4
Breese Pitt Dixon Pty Ltd	(03) 8823 2300	S1 S2 W1 W2	S1 S2 S7 W1 W2 W3
Brown + Tomkinson Pty Ltd	(03) 9209 9000	S1 S4 S5 W1	S1 S2 S4 S7 W1 W2 W5 W6 W7
Cardno Grogan Richards	(03) 8415 7777	S1 S2 S6 W1 W2 W4	S1 S2 S6 S7 W1 W2 W4 W5 W6 W7
Charter Keck Cramer	(03) 9425 5555	S1 W1	S1 W1
CPG Australia Pty Ltd	(03) 9993 7888	S1 S2 S3 S4 S5 W1 W2 W3	S1 S2 S7 W1 W5 W6
Coughlan Civil Pty Ltd	(03) 5331 2688	S1 W1	S1 W1
Dalton Consulting Engineers Pty Ltd	(03) 9888 6866	S1 S2 S4 W1	S1 S2 S3 S4 S7 W1 W2 W5 W6 W7

Company	Contact 	Engineering Services Category	Audit Services Category (LD Only)
David Fairbairn Consulting Engineers	(03) 9592 9882	S1 W1	S1 W1
Dennis Price & Miller Pty Ltd	(03) 9538 5000	S1 S2 W1 W2	S1 S2 W1 W2 W5 W6 W7
Don Stizza & Associates Pty Ltd	(03) 9569 9402	S1 S2 S4 <sup>†</sup> W1 W2	S1 S2 S3 S4 S7 W1 W2 W3 W5 W6 W7
GHD Pty Ltd	(03) 8687 8000	S1 S2 S3 S4 W1 W2 W3 W4	S1 S2 S3 S4 S5 S6 S7 W1 W2 W4 W5 W6 W7
GPR Consulting Pty Ltd	(03) 8554 8401	S1 S2 S5 W1 W2	S1 S2 W1 W2 W3 W5 W6 W7
H D S Australia Pty Ltd	(03) 9550 1858	S1 W1	S1 W1
Irwinconsult Pty Ltd	(03) 9699 7199	S1 W1	S1 S6 S7 W1 W4 W5 W7
Jamison & Craig Consultants Pty Ltd	(03) 5995 4388	S1 S3* W1	S1 W1
John Chivers & Associates Pty Ltd	(03) 9735 4888	S1 S3 S4 W1	S1 S4 S7 W1 W5 W7
KLM Spatial	(03) 9794 9438	S1 S2 W1	S1 S2 S7 W1 W5
Lake and Land Pty Ltd	(03) 5229 0811		W1
Lambert and Rehbein	(03) 9328 4166	S1 S2 S4 W1 W2	S1 S7 W1
Lanco Group Pty Ltd	1300 152 626	S1 W1 W2 W4	S1S7 W1 W2 W7
Meinhardt (VIC)	(03) 87761339	S1 S2 S3 S4 W1	S1 S7 W1
Millar & Merrigan Pty Ltd	(03) 8720 9500	S1 S2 S3 S4 <sup>†</sup> W1 W2	S1 S4 W1 W6 W7
Moodie & Associates	(03) 9857 4223	S1 S4 W1	S1 S4 W1
Paroissien Grant & Associates Pty Ltd	(03) 9859 6400	S1 W1 W3	S1 S2 S7 W1 W2 W5 W7
Parsons Brinckerhoff Pty Ltd	(03) 9861 1111	S1 S2 S3 S4 W1 W2 W3	
Pitt & Sherry Operations n Pty Ltd	(03) 9682 5290	S1 W1	
P.T Tomkin Son Pty Ltd	(03) 52614708	S1 W1	
Reeds Consulting Pty Ltd	(03) 8660 3000	S1 S2 S4 W1 W2	S1 S7 W1 W4 W5 W6 W7
SJE	(03) 8405 3377	S1 W1	S1 W1
SMEC Australia Pty Ltd	(03) 9514 1500	S1 S2 S3 S4 S5 S6 W1 W2 W3 W4	S1 S2 S4 S7 W1 W2 W3 W5 W6 W7
T J Puszka & Associates Pty Ltd	(03) 9888 9714	S1 W1	S1 S3 S7 W1 W3 W5 W6
Taylors Development Strategists	(03) 9501 2800		S7
TGM Group Pty Ltd	(03) 8862 9333	S1 S2 S3 S4 <sup>†</sup> W1 W2 W3	S1 S2 S4 S7 W1 W2 W5 W6 W7
The Fidus Group Pty Ltd	(03) 9850 6427	S1 W1	S1 W1
The Landplan Group	(03) 8345 9000	S1 S2 W1	S1 S3 S7 W1 W2 W5 W6 W7
The O' Neill Group Pty Ltd	(03) 9828 4600	S1 W1	S1 W1
Urban Design & Management	(03) 9971 6308	S1 S2 S5 W1	S1 S2 W1 W5
Verve Project Management	(03) 9813 8233	S1 S3 S4 <sup>†</sup> S5 S6 W1 W3	S1 S3 S4 S5 S6 S7 W1 W3 W5 W7
Wallbridge & Gilbert	(03) 9696 9522		S1

Company	Contact 	Engineering Services Category	Audit Services Category (LD Only)
WBCM Pty Ltd	(03) 9669 3688	S1 S2 S4 W1 W2 W3 W4	S1 S2 S7 W1 W2 W7

Note \* Asterisk denotes those Design Consultants that have demonstrated technical capability to provide Civil Design Services only in nominated Categories and may rely on accredited Sub-Consultants to complete the design function.

† Pre-packaged SPS

## ENGINEERING DESIGN SERVICES COVERED BY THIS REGISTRATION SCHEME

The design functions, for the different category of works, covered by this registration scheme include hydraulic, survey (when specified), and drafting, geotechnical, structural, mechanical, electrical, materials and other specialist functions required for a land development project.

Accredited Consultants while undertaking these design functions will be required to:

- (a) Prepare detail design, compatible with the Development Deed, Water Company's Concept plan and design parameters (as detailed in the Codes and/or Water Company requirements) co-ordinate other Design Specialists, organise production of design documentation, advise the Developer on technical matters relating to the works and visit the site when necessary.
- (b) when necessary justify any variation from the design requirements in the Code or any supplement requirements of a particular Water Company and obtain prior written approval from the Water Company for any variation from the Codes or any supplement requirements of a particular Water Company.

### Subconsultants

Consultants shall ensure that their sub-consultants are registered in the appropriate category for the subcontracted part of the project.

Consultants entering into a subcontract with a sub consultant for which there is no registration category are responsible for the competence of that sub-consultant and must therefore satisfy themselves that the sub-consultant has appropriate qualifications, expertise and experience.

### Specialised Services

Consultant pre-qualification is not required for specialised services that are not encompassed by the registration categories in this document. Developers or Consultants entering into a direct contract with a specialised consultant not encompassed by one of the registration categories should satisfy themselves that the consultant has appropriate qualifications, expertise and experience to carry out the work required.

## CATEGORY OF ENGINEERING DESIGN SERVICES COVERED BY THIS REGISTRATION SCHEME

### Category of Sewer Design Works

S1	Reticulation/Branch Sewer ≤ DN 375	This Category covers design of gravity reticulation/branch sewers ≤DN 375, including maintenance structures.
S2	Branch/Main Sewers > DN375	This Category covers design of gravity Branch/Main sewers > DN 375, including maintenance structures. Applicants must demonstrate they meet the assessment criteria and other prerequisites for Category S1 to be eligible for accreditation in this Category.
S3	Pressure Sewer Systems	This Category covers design of pressure sewer systems, including reticulation pressure sewers and laterals up to and including DN 250, discharge lines, collection pump units and other appurtenances.
S4	Sewerage Pumping Stations & Pressure Mains	This Category covers design of Sewerage Pumping Stations and pressure mains up to and including 200 litres per second and DN 375. Applicants must demonstrate they meet the assessment criteria and other prerequisites for Category S1 to be eligible for accreditation in this Category.
S5	Vacuum Sewerage Systems	This Category covers detail design of a vacuum sewerage system incorporating : <ul style="list-style-type: none"> <li>• reticulation sewers (up to and including DN 375) including maintenance structures;</li> <li>• vacuum sewers, collection pits; and</li> <li>• pressure mains.</li> </ul> Applicants must demonstrate they meet the assessment criteria and other prerequisites for Category S1 to be eligible for accreditation in this Category.
S6	Specialist Works	This Category covers detail design of Categories S1 to S5 works in : <ul style="list-style-type: none"> <li>• areas exhibiting difficult ground conditions (e.g. deep compressible clays i.e. Coode Island Silt)</li> <li>• Critical areas as defined in the Water Company's letter of intent (e.g. Central Business District or similar areas).</li> </ul> Applicants must demonstrate they meet the assessment criteria and other prerequisites for Category S1 to be eligible for accreditation in this Category.

## CATEGORY OF ENGINEERING DESIGN SERVICES COVERED BY THIS REGISTRATION SCHEME

### Category of Water Supply Design Works

W1	Water Reticulation ≤ DN 300	This Category covers design of potable and recycled reticulation water mains ≤ DN 300 associated components and structures.
W2	Water Distribution > DN 300	This Category covers design of potable and recycled distribution water mains > DN 300, associated components and structures. Applicants must demonstrate they meet the assessment criteria and other prerequisites for Category W1 to be eligible for accreditation in this Category.
W3	Water Supply Pump Stations	This Category covers design of potable and recycled Water Supply Pumping Stations, components and structures, including associated pipe work. Applicants must demonstrate they meet the assessment criteria and other prerequisites for Categories W2 to be eligible for accreditation in this Category.
W4	Specialist Works	This Category covers detail design of Categories W1 to W3 works in : <ul style="list-style-type: none"> <li>areas exhibiting difficult ground conditions (e.g. deep compressible clays i.e. Coode Island Silt)</li> <li>Critical Areas as defined in the Water Company's letter of intent (e.g. Central Business District or Similar Areas)</li> </ul> Applicants must demonstrate they meet the assessment criteria and other prerequisites for Category W1 to be eligible for accreditation in this Category.

## AUDITING SERVICES COVERED BY THIS REGISTRATION SCHEME

Audit services, covered by this registration scheme include but are not limited to the following duties:

- (i.) Undertake construction auditing in accordance with the audit schedule to obtain confidence that allocated Land Development works are carried out and completed in accordance with the relevant Codes and/or Water Company requirements relating to the construction of Land Development works. Accurate records must be maintained by the Construction Auditor to verify compliance with the audit schedule and documented observations made on the worksite; and
- (ii.) Undertake a sufficient level of auditing to obtain confidence that allocated Development works are carried out and completed in accordance with the Occupational Health and Safety Act, Regulations, Codes and Guidance notes and Australian Standards; and
- (iii.) Undertake a sufficient level of auditing to obtain confidence that allocated contract works are completed in an environmentally sensitive manner and to the customers' satisfaction; and
- (iv.) Undertake a sufficient level of auditing to obtain confidence that there is adequate liaison with contractors and authorities so that all have a clear understanding of the requirements and impact of the Development works.
- (v.) Issue written non conformance/Improvement notices if compliance with MRWA Standards have not been achieved on the worksite; and
- (vi.) Issue written non conformance/Improvement notices if any breach with the Environmental, Occupational Health and Safety Act, Regulations, Codes and Guidance notes has been identified on the worksite; and
- (vii.) Witness all Inspection and Testing activities relevant to the Development works and earthwork operations in accordance with the Australian Standards, MRWA Standards, Occupation Health and Safety Act, Regulations, Codes and Guidance notes, Local Government and Road Authority Codes of Practice and Water Company specifications; and
- (viii.) Witness all Acceptance Testing activities performed on the sewerage and water supply assets installed on the worksite. Accurate records must be maintained for general Water Company auditing purposes; and
- (ix.) Respond to customer enquiries and/or complaints relating to the construction of the Development Works. Auditing services apply to the following Work Categories covered by this registration scheme include:

## CATEGORY OF AUDITING SERVICES COVERED BY THIS REGISTRATION SCHEME

### Category of Sewer Works

S1	Reticulation/Branch Sewer ≤ DN 375	This Category of work covers auditing construction related activities associated with all supply, installation, testing and commissioning of reticulation/branch sewers ≤ DN 375, including maintenance structures.
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CATEGORY OF AUDITING SERVICES COVERED BY THIS REGISTRATION SCHEME		
S2	Branch/Main Sewers > DN375	This Category of work covers auditing construction related activities associated with all supply, installation, testing and commissioning of sewer branch or sewer mains > DN 375, including maintenance structures.
S3	Pressure Sewer Systems	This Category of work covers auditing construction related activities associated with all supply, installation, testing and commissioning of, collection/grinder pump units and service connection pipe work, as well as reticulation sewer pressure mains up to and including DN 300.
S4	Sewerage Pumping Stations & Pressure Mains	This Category of work covers auditing construction related activities associated with all supply, installation, testing and commissioning of pressure sewer systems, including reticulation pressure sewers and laterals up to and including DN 250, discharge lines, collection pump units and other appurtenances.
S5	Vacuum Sewerage Systems	This Category of work covers auditing construction related activities associated with all supply, installation, testing and commissioning of: <ul style="list-style-type: none"> <li>reticulation sewers (up to and including DN 375 or ≤ 5m in depth) including maintenance structures;</li> <li>vacuum sewers, collection pits; and</li> <li>pressure mains.</li> </ul>
S6	Specialist Works	This Category covers auditing special sewer construction practices, including testing and commissioning of Categories S1 to S5 works in : <ul style="list-style-type: none"> <li>areas exhibiting difficult ground conditions (e.g. deep compressible clays i.e. Coode Island Silt)</li> <li>Critical areas as defined in the Water Company's letter of intent (e.g. Central Business District or similar areas).</li> </ul>
S7	Confined Spaces	This Category covers auditing Confined Space Entry works on Water Company live assets and non-live assets.
<b>Category of Water Supply Works</b> Auditing services apply to the following Work Categories covered by this registration scheme include:		
W1	Water Reticulation ≤ DN 300	This Category of work covers auditing construction related activities associated with all supply, installation, testing and commissioning of reticulation water mains ≤ DN 300 associated components and structures.
W2	Water Distribution > DN 300	This Category of work covers supply and install, testing and commissioning of distribution water mains > DN 300, associated components and structures. Applicants must demonstrate they meet the assessment criteria and other prerequisites for Category WC1 to be eligible for accreditation in this Category.
W3	Water Supply Pump Stations	This Category of work covers auditing construction related activities associated with all supply, installation, testing and commissioning of Water Supply Pumping Stations, components and structures, including associated pipe work.
W4	Specialist Works	This Category covers auditing special water asset construction practices, including testing and commissioning of Categories W1 to W3 including W6 works in: <ul style="list-style-type: none"> <li>areas exhibiting difficult ground conditions (e.g. deep compressible clays i.e. Coode Island Silt)</li> <li>Critical areas as defined in the Water Company's letter of intent (e.g. Central Business District or similar areas).</li> </ul>
W5	Under Pressure Cut-In Connections	This Category of work covers auditing Under Pressure Cut-in Connection (UPCIC) also called ("Under Pressure Tapping" or "Wet Tapping").
W6	Steel Pipelines	This Category of work covers auditing construction related activities associated with handing, installation, jointing, welding and testing and commissioning Steel Pipelines.
W7	Disinfection of Water mains	This Category of work covers auditing disinfection of water main operations.