

SCHEDULE OF ITEMS

| Item | Description | UOM |
|---------------------------|---|-------|
| ROTARY METHOD | | |
| I.D. Casing 155 mm | | |
| 1 | Drill to suit 155 mm casing | metre |
| 2 | Drill (hard rock) to suit 155 mm casing | metre |
| 3 | Supply and fit 155 mm PVC casing and centralisers | metre |
| 4 | Supply and fit inline screen and fittings | metre |
| 5 | Bore development (compressed air) | hour |
| 6 | Bore development (water jetting) | hour |
| 7 | Bore development (surging) | hour |
| 8 | Test pumping | hour |
| 9 | Air free water sample and analysis | each |
| 10 | Bore cap | each |
| 11 | Withdraw casing (abandoned borehole) | metre |
| I.D. Casing 200 mm | | |
| 12 | Drill to suit 200 mm casing | metre |
| 13 | Drill (hard rock) to suit 200 mm casing | metre |
| 14 | Supply and fit 200 mm PVC casing and centralisers | metre |
| 15 | Supply and fit inline screen and fittings | metre |
| 16 | Bore development (compressed air) | hour |
| 17 | Bore development (water jetting) | hour |
| 18 | Bore development (surging) | hour |
| 19 | Test pumping | hour |
| 20 | Air free water sample and analysis | each |
| 21 | Bore cap | each |
| 22 | Withdraw casing (abandoned borehole) | metre |
| CABLE TOOL METHOD | | |
| I.D. Casing 155 mm | | |
| 23 | Drill to suit 155 mm casing | metre |
| 24 | Drill (hard rock) to suit 155 mm casing | metre |
| 25 | Supply and fit 155 mm steel casing | metre |
| 26 | Supply and fit telescopic screen and fittings | metre |
| 27 | Supply and fit 155 mm casing shoe and clamps | each |
| 28 | Screen fittings 200 mm to packer base plate | each |
| 29 | Bore Development (compressed air) | hour |
| 30 | Bore Development (water jetting) | hour |

TENDER 030/18 DRILLING, DEVELOPMENT AND TESTING OF BORES

| Item | Description | UOM |
|---------------------------|---|-------|
| 31 | Bore Development (surging) | hour |
| 32 | Test pumping | hour |
| 33 | Air free water sample and analysis | each |
| 34 | Bore cap | each |
| 35 | Withdraw casing (abandoned borehole) | metre |
| I.D. Casing 200 mm | | |
| 36 | Drill to suit 200 mm casing | metre |
| 37 | Drill (hard rock) to suit 200 mm casing | metre |
| 38 | Supply and fit 200 mm steel casing | metre |
| 39 | Supply and fit telescopic screen and fittings | metre |
| 40 | Supply and fit screen | metre |
| 41 | Supply and fit 200 mm casing shoe and clamps | each |
| 42 | Screen fittings 200 mm to packer base plate | each |
| 43 | Bore Development (compressed air) | hour |
| 44 | Bore Development (water jetting) | hour |
| 45 | Bore Development (surging) | hour |
| 46 | Test pumping | hour |
| 47 | Air free water sample and analysis | each |
| 48 | Bore cap | each |
| 49 | Withdraw casing (abandoned borehole) | metre |
| I.D. Casing 250 mm | | |
| 50 | Drill to suit 250 mm casing | metre |
| 51 | Drill (hard rock) to suit 250 mm casing | metre |
| 52 | Supply and fit 250 mm steel casing | metre |
| 53 | Supply and fit telescopic screen and fittings | metre |
| 54 | Supply and fit 250 mm casing shoe and clamps | each |
| 55 | Screen fittings 250 mm to packer base plate | each |
| 56 | Bore Development (compressed air) | hour |
| 57 | Bore Development (water jetting) | hour |
| 58 | Bore Development (surging) | hour |
| 59 | Test pumping | hour |
| 60 | Air free water sample and analysis | each |
| 61 | Bore cap | each |
| 62 | Withdraw casing (abandoned borehole) | metre |

SUMMARY OF SUBMISSIONS

| Tenderer & Description of Response | Is it Compliant? Yes or No | Comment Against Criteria | | | | Evaluation Score | Estimated Value | Rank |
|---|----------------------------|--|--|---|--|------------------|---|------|
| | | Capacity | Demonstrated experience in providing similar services | Demonstrated understanding of the required tasks | Social and economic effects on the local community | | | |
| M D and D M Water Boring Contractors All requirements have been met. | Yes | It commenced operation in 1981. Though the number of full-time employees was not supplied, its structure of business and details of two personnel (business partners) including their roles and years of experience in the industry were provided. Its Submission included details of specialised equipment and afterhours contacts for emergency requirements. It indicated additional personnel and resources should not be necessary, however, if required, it can recruit from other drilling companies. It has its own quality management system and a policy in place. Copies of its safety policy statement, Job Safety Analysis (JSA) and JSA process were supplied. It stated it has no injuries to report since its inception. | It stated it has to date drilled over 230 bores on coastal land for the City and projects included Keppel Park, Marmion (38.7m-200mm bore), Tom Walker Park, Hillarys (50m-200mm bore) and Castlecraig Park, Whitfords (24m-200mm bore,). Period and dates or when these works were carried out for the City were not provided. It has in 2009 to 2010 completed groundwater drilling (Gingin brook and Gnangara North shallow) through perched water tables and limestone and in 2012, four surface bores and two monitoring bores at Lake Clifton for the Department of Water. It has also in 2011 completed a monitoring bore at Halls Head, Mandurah for the Water Corporation WA. | It demonstrated a sound understanding of the City's requirements. An estimated timeframe to drill and construct each bore was supplied. It included an outline of tasks to be carried out to complete the works, from mobilisation to site, drilling and development of bore to test pumping, demobilisation and site clean-up. | It is located in Bullsbrook. It indicated it would hire equipment such as welders, air compressors and generators from local suppliers. | 62.2% | \$862,124 (assuming no change in historical usage) Included rotary and cable tool methods items 1 - 62 | 1 |

TENDER 030/18 DRILLING, DEVELOPMENT AND TESTING OF BORES

| Tenderer & Description of Response | Is it Compliant? Yes or No | Comment Against Criteria | | | | Evaluation Score | Estimated Value | Rank |
|--|----------------------------|--|--|--|---|------------------|--|------|
| | | Capacity | Demonstrated experience in providing similar services | Demonstrated understanding of the required tasks | Social and economic effects on the local community | | | |
| <p>The Trustee for The Clamon Family Trust trading as Aqua Attack</p> <p>All requirements have been met.</p> | Yes | <p>It has been operating since 2005. It currently employs five full-time staff. Its structure of business and details of key personnel including their roles and length of service were provided. Details of specialised equipment that will be used were supplied. This did not include cable tool equipment. It did not address the ability to provide additional personnel or afterhours contacts for emergency requirements. It has its own quality management system and a safety policy in place. Though its safety statistics were not provided, a copy of its safety management plan was supplied.</p> | <p>It has in the last two years completed over 30 commercial bores for various organisations in WA. Examples of works included Cities of Belmont (20m-200mm bore on Esther Avenue, completed August 2018) and Wanneroo (52m-200mm bore on Marangaroo Golf Course, completed 2016). Other examples of works included various bores for Total Eden (October 2016 to August 2018) and LD Total (March 2017 to April 2018). It has also recently carried out bore projects (at Clermont and Woodlea Parks) for the City.</p> | <p>It demonstrated some understanding of the required tasks. It indicated depending on the depth and formation, it can typically drill and case the bore, air develop and test pump within two weeks. A typical time frame with a general list of tasks to complete a 200mm bore was supplied. The methodology did not include cable tool method of drilling, which is the City's preferred drilling method.</p> | <p>It is located in Mindarie and has a workshop facility in Nowergup.</p> <p>It purchases goods and services from local suppliers including Total Eden Joondalup and Advanced Electrical Equipment.</p> | 49.3% | <p>\$63,084 (assuming no change in historical usage)</p> <p>Included rotary method only items 1 - 22</p> | 2 |

TENDER 030/18 DRILLING, DEVELOPMENT AND TESTING OF BORES

| Tenderer & Description of Response | Is it Compliant? Yes or No | Comment Against Criteria | | | | Evaluation Score | Estimated Value | Rank |
|---|----------------------------|--|---|--|---|------------------|--|------|
| | | Capacity | Demonstrated experience in providing similar services | Demonstrated understanding of the required tasks | Social and economic effects on the local community | | | |
| <p>Allpine Nominees Pty Ltd trading as Drilling Contractors of Australia</p> <p>All requirements have been met.</p> | Yes | <p>It was established in 1994. Its Submission did not include the number of full time employees or its structure of business, however, details of three key site personnel and the company's two owners/directors including their qualifications and years of industry experience were provided. It did not address specialised equipment, afterhours contacts for emergency requirements or the ability to provide additional personnel. It operates with its own quality management system and has a safety policy in place. A copy of its safety management systems manual was supplied though its safety statistics were not provided.</p> | <p>It has carried out drilling and development of bores using mud rotary method for various organisations including the City of Cockburn (geothermal and injection bores completed 2017 for Cockburn Regional Physical Activity Education Centre), Wannan Water (Wyatt Street artesian production bore, completed 2016), Busselton Water (bore reline in 2016) and the Department of Water (two monitoring bores, completed 2014). Examples of works did not include drilling using cable tool, which is the City's preferred method.</p> | <p>It has been in the drilling industry for many years. However, the company did not submit a response to demonstrate its understanding of the City's requirements</p> | <p>It is located in Gooseberry Hill.</p> <p>It did not submit a response.</p> | 34.6% | <p>\$98,554 (assuming no change in historical usage)</p> <p>Included rotary method only items 1 - 22</p> | 3 |

TENDER 030/18 DRILLING, DEVELOPMENT AND TESTING OF BORES

| Tenderer & Description of Response | Is it Compliant? Yes or No | Comment Against Criteria | | | | Evaluation Score | Estimated Value | Rank |
|---|----------------------------|---|--|--|---|------------------|--|------|
| | | Capacity | Demonstrated experience in providing similar services | Demonstrated understanding of the required tasks | Social and economic effects on the local community | | | |
| <p>The Boreman Australia Pty Ltd</p> <p>All requirements have been met.</p> | Yes | <p>It was established in 1994 and currently has six staff. Its structure of business and details of all staff including their skills and years of industry experience were provided. Specialised equipment that will be used to carry out the works, afterhours contacts and the ability to provide additional personnel were not addressed. It operates with its own quality management system and has a safety policy in place. A copy of its safety policy was supplied. It indicated the company has a good safety record with no accident/incident for the past two years.</p> | <p>It demonstrated experience completing residential and commercial bore installations for various organisations in WA. Examples of works included four bore installation projects carried out for Jandakot Airport Holdings (two 36m–200mm bores and one 46m-200mm bore completed 2014 with one 24m–200mm bore in 2015). Other examples of works were for a 14m-200mm bore completed in 2015 for Urban Resources and four production bores completed 2013 for Skydive the Beach and Beyond, Drop Zone York, WA. However, examples of works did not include governments projects and no mention of drilling using cable tool method.</p> | <p>Though it has been in the drilling industry for 24 years, its response did not meet criterion except for a few aspects. It only listed the company's capabilities (in earth rod drilling, monitoring bores and rotary mud method using various drilling and digging machines) rather than the proposed methodology to carry out and complete the services for the City.</p> | <p>It is located in Wangara.</p> <p>It stated the company has long-term established accounts with local suppliers (CIS Irrigation in Joondalup, Total Eden and Elliotts Irrigation in Greenwood). Five of its six staff are City of Joondalup residents. It also stated the company will be providing sponsorship to Whitfords Football Club next season.</p> | 33% | <p>\$85,018 (assuming no change in historical usage)</p> <p>Included rotary method only items 1 - 22</p> | 4 |