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June 20th 2014

Keith Armstrong
Team Leader Natural Areas
Operations Centre
City of Joondalup

Reference: Whitfords Nodes Stairway

Hello Keith,

Find detailed an *Estimation Summary* as discussed for the supply and installation of a fully engineered and designed stairway for the proposed site in Whitfords.

The information provided is an *Estimation Summary* only and is collated to form the basis of the proposed project. With this in mind, the following assumptions have been made to form part of the proposal:

- The area designated is an “environmentally sensitive” area and the necessary approvals and permits from the City of Joondalup would be obtained prior to any preliminary work being commenced.
- The final design of the stairwell and related resting platforms would be based upon a holistic approach encompassing a full surveyors report, full engineering certification and design with a registered builder completing the earthworks and installation.
- The construction and footings design would be sympathetic to these requirements and allow for elevation from current flora and fauna.
- Based upon preliminary and visual information, the proposed structure would be in the vicinity of 80 to 90 metres in overall length. It would encompass a minimum of 2 “resting” platforms of approx. 2500mm square. This would be confirmed upon the final and completed design.
- The structure would be constructed from a fully galvanised sub frame, platform and handrails. Composite USA Rightwood would be utilised in all steps and decking areas. All fixings would be fully galvanised.
- The Structure and Footings design elements would need to complement the proposed location from also a practical construction and installation standpoint. This would form an essential part of the project due to the soil substructure and terrain.
- Proposed Commencement date: **Late 2015- Mid 2016**

Estimated Budget Breakdown:

- Design Cost: To be completed in-house with City of Joondalup
- Surveying Cost: \$8 000 + GST
- Engineering Certification: Structure and Custom Footings: \$15 000 + GST
- Earthworks and preliminary's: \$50 000 + GST
- Fabrication/Drawings/ Assembly and Installation: \$319 500 + GST
- Total Projected Project Budget: \$392 500 + GST

Thanking you Keith for the opportunity to submit the estimation. Please let us know if Woodlands can be of further assistance in any way.

Andrew Wynne

Andrew Wynne
Sales Manager

- *Disclaimer: The Information detailed is provided exclusively for the use of The City of Joondalup in good faith at the time of submission and is formulated upon preliminary information provided to Woodlands at the time. In no way does the Estimation Summary detailed form any binding agreement, or form the basis of a confirmed quote in accordance with WALGA preferred supplier guidelines of which Woodlands must comply.*

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