

Our reference: A6059

1st December 2016

Tuff Ozy Concrete Sleepers
Via email:
sales@tuffozyconcretesleepers.com.au

Attention: Mr Daniel Obrien

**RE: TUFF OZY SLEEPER RETAINING WALL
TECHNICAL DESIGN GUIDE (OCTOBER 2016)**

Alta Projects certify that we have undertaken the structural engineering design of the design graphs contained within section 5.0 of the 'Tuff Ozy Sleeper Retaining Wall Technical Design Guide (October 2016)'.

We certify that the structural engineering design of the sleeper retaining walls detailed in the above document was done so in accordance with the following Australian Standards;

- AS/NZS1170.0-2002 Structural Design Actions – Part 0: General Principals
- AS/NZS1170.0-2002 Structural Design Actions – Part 2: Wind Actions
- AS/NZS2312-2002 Guide to the Protection of Structural Steel Against Atmospheric Corrosion by the use of Protective Coatings
- AS3600-2009 Concrete Structures
- AS4100-1998 Steel Structures
- AS4678-2002 Earth Retaining Structures

This certification becomes void under the following circumstances:-

- The retaining wall is constructed with materials of a different structural grade from that specified with the design guide.
- The retaining wall is constructed in a way that is contrary to that suggested within the design guide for the relevant site conditions.
- Any of the other design assumptions within the design guide are not satisfied.

This certificate shall not be construed to relieve any other party of their legal responsibilities or contractual obligations.

If any further information is required, please do not hesitate to contact Mat Bruton at our Cotton Tree office.

Yours faithfully



Mat Bruton – Director (RPEQ 8750)
for ALTA PROJECTS