

23rd November 2020

Ali El Chebib
Project Manager
Bespoke Projects NSW P/L

Dear Ali,

RE: 2 TOURMALINE STREET, NARRABEEN.

We have been provided both the Partridge Structural drawings and the Coastal Engineering Advice prepared by Horton Coastal Engineering (Peter Horton). To this end Helcon prepared a shoring & pile design to take the nominated loads; dead, live and shear that would be required to the east of the setback line that would be needed to meet the design of the scour required.

In order to supply and install piles of the magnitude to meet the design scour documentation, a 30t excavator would be needed not only to install the piles but also to pre-drill to enable the piles to socket into the underlying bedrock at circa 6m below the lower ground floor.

For these piles to be installed at the design Bulk Excavation RL, shoring would need to be carried out to support the neighbouring properties. For Helcon to carry out this shoring a 40t machine would be required.

If the remaining walls and floors were to remain in position, not only could the piles not be installed to meet the scour design intent of either the structural engineer or the coastal engineer, given the quantum, location and size of piles, but the shoring could not have been considered either.

Trust this satisfies your concerns, and happy to chat as required.

YOURS FAITHFULLY,
Damien Carpenter



Helcon Contracting Australia P/L
Director