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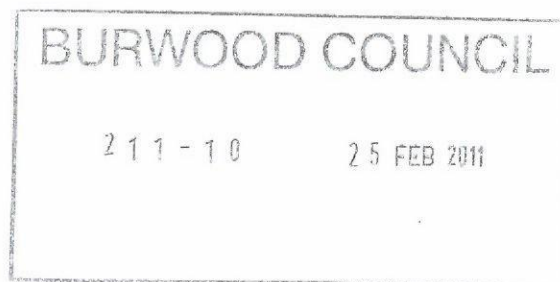
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Reference: ST11002 Dean St Design Statement

24th February 2011

Urban Apartments
Shop 8, 338
Liverpool Road
ENFIELD NSW 2136

Attention: Mr. George Elias



Dear Sir

RE: DA 211/2010 - 11,13,15 Deane St and 20 George St BURWOOD NSW

Proposed Development - Basement Shoring Statement

The structural design of the basement shoring systems for the proposed development at 11,13,15 Deane St and 20 George St BURWOOD NSW DA 211/2010 will consist of an anchored rigid shoring system consisting of soldier piles and shotcrete infill panels. Refer to the diagram provided below.

The proposed shoring system will adopt the design parameters as specified in the geotechnical report by Assets Geotechnical Reference 1623-A dated 19 February 2011. A Factor of Safety of 1.5 will be adopted in the structural design.

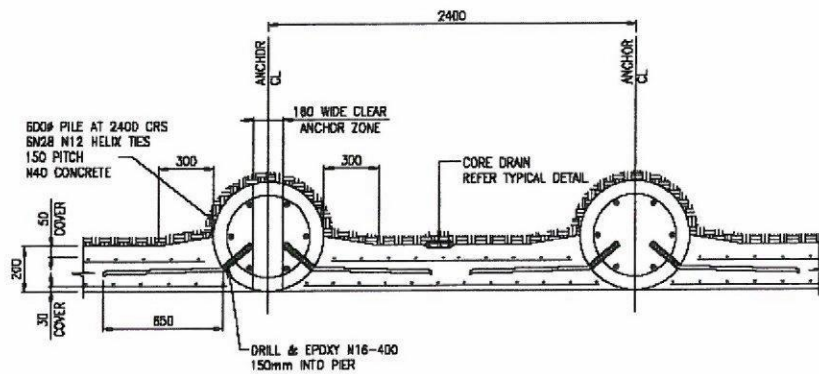
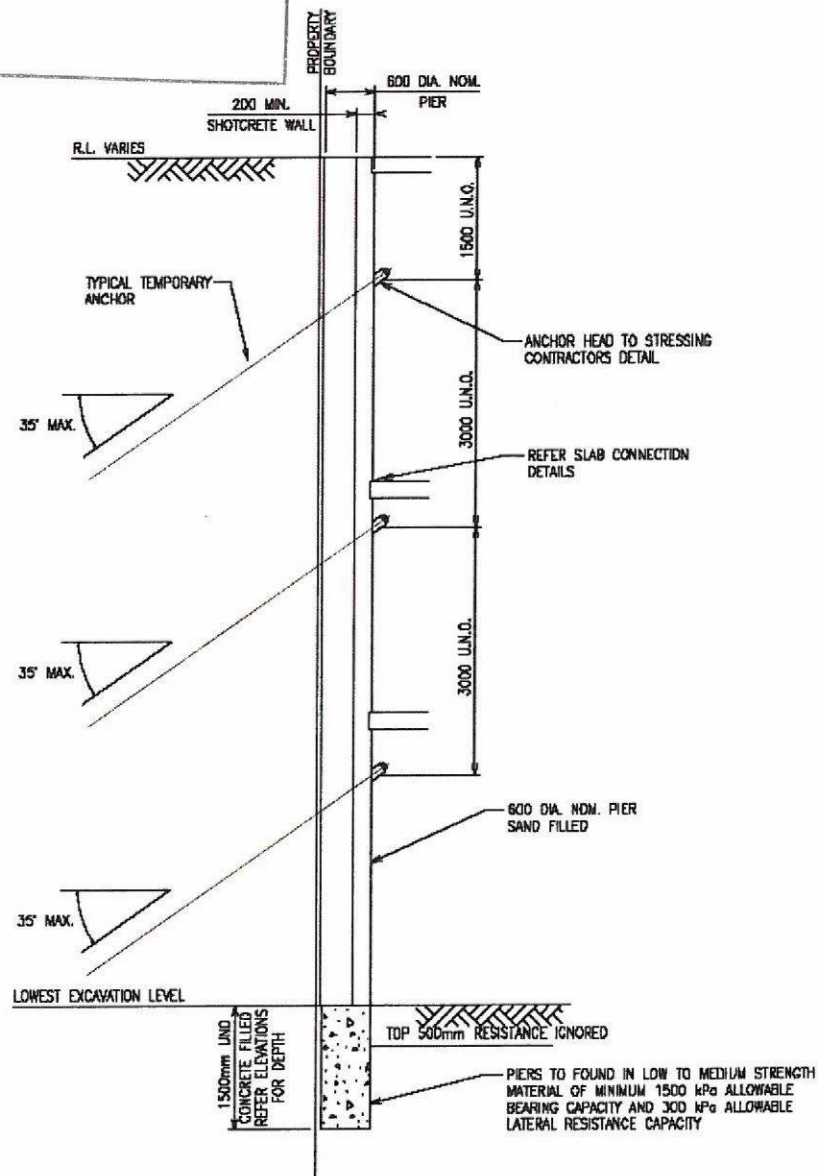
BURWOOD COUNCIL

211-10

25 FEB 2011



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TYPICAL SOLDIER PIER WALL DETAIL
200 THICK SHOTCRETE
SCALE 1:20

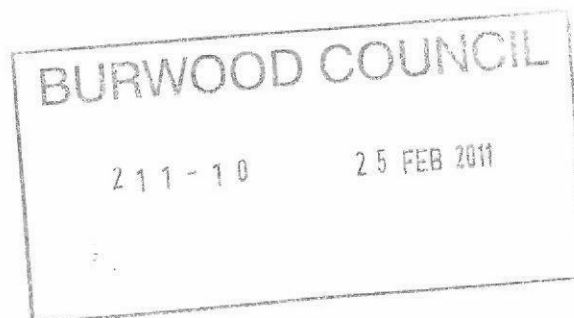


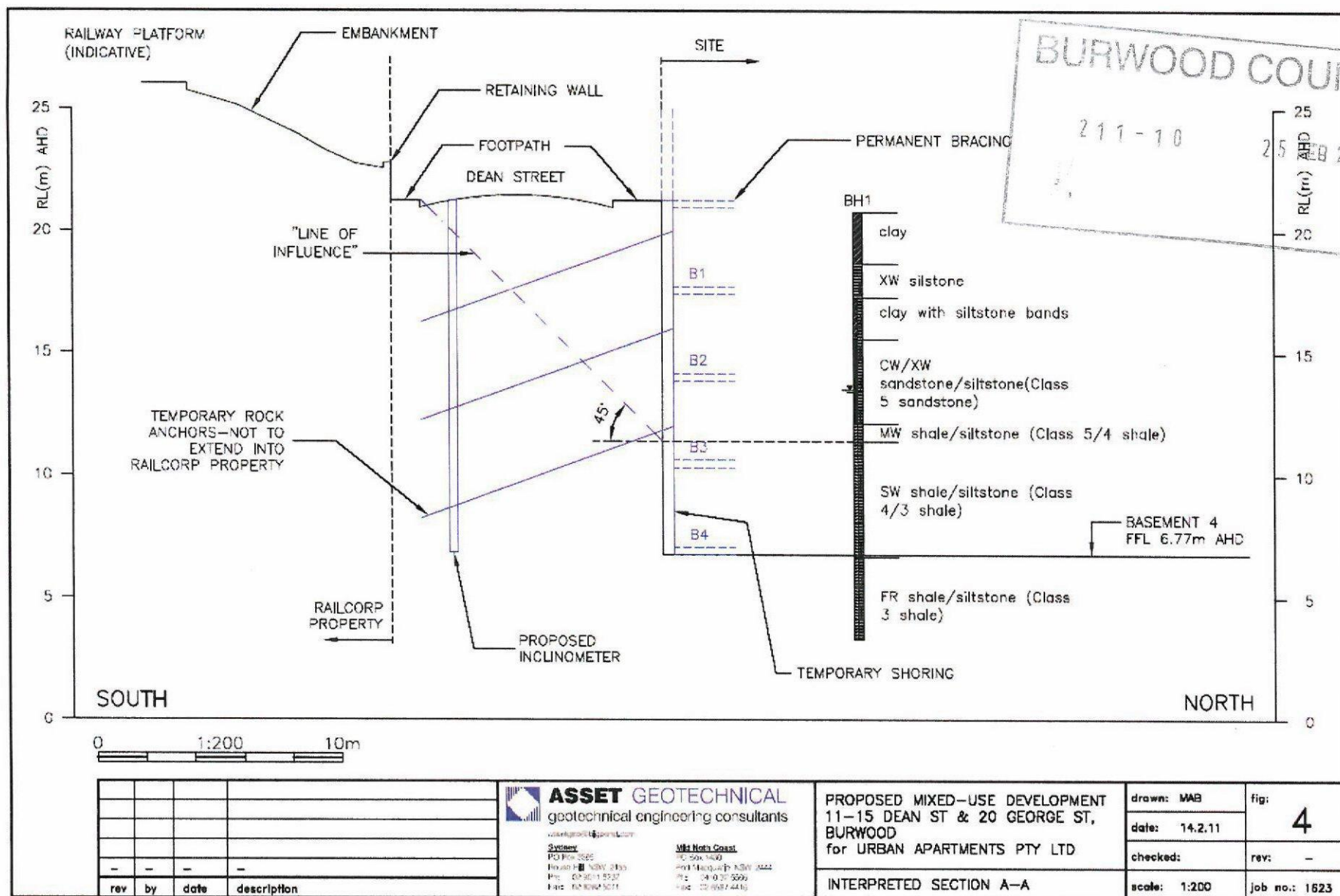
Assets Geotechnical have carried out a risk assessment of the stability of the rail embankment for the proposed development 11,13,15 Deane St and 20 George St BURWOOD NSW. The results of which have been presented in the Assets Geotechnical report and the risk levels have been found to be within acceptable limits.

Assets Geotechnical have assessed the movements of the shoring wall and estimate the movements at the site boundary to be in the order of 5mm. The geotechnical report advises that the settlements at the rail corridor some 11m away will be negligible.

Assets Geotechnical have assessed the demolition and excavations works on the proposed developments and advise that they will have no impacts on rail infrastructure operations. Assets Geotechnical have provided advice on vibration levels during earthworks.

An extract from the Assets Geotechnical report is provided below depicting the basement relationship to the rail corridor and the rock profiles.





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Further to the basement design, the remainder of the building structure and foundations will be designed in accordance with the BCA, relevant Australian Standards and the Geotechnical reports by Assets Geotechnical.

Also, the detailing of the building and below ground structural items will be designed to account for the effects of Stray currents and electrolysis.

The above ground structure adjacent to track and within 20m of the rail corridor will also be designed for impact resulting from Derailment.

We thrust this structural statement addresses the issues related to the basement excavation.

Yours faithfully
STRUCTURAL DESIGN SOLUTIONS PTY LTD

R. Facioni

Robert Facioni

