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30 September 2019

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Danny Bayly  
danny@baylinedev.com.au

Attention: Danny Bayly

Dear Danny

**RE: FLOOD IMPACT ASSESSMENT FOR MANOR ROAD UPGRADE, HARRINGTON**

BMT was requested by Bayline Investments to assess the potential impacts of flooding from the proposed upgrade works to Manor Road, Harrington. The details of the proposed works were provided by Tattersall Lander (217154\_Proposed Manor Road Upgrade – Draft.pdf), which indicate a raising of the existing road surface by around 250 mm over the 400 m length.

The proposed works have been assessed in the context of the local LiDAR survey elevations (NSW LPI, 2012) and the flood modelling and assessment undertaken for Manor Estate by BMT (R.N20874.001.02, dated November 2017).

As documented in the Manor Estate Flood Impact Assessment, mainstream inundation of the site only occurs during rare flood events, such as the existing 0.2% AEP event or the 1% AEP event with potential future climate change impacts. During such events, the entire local floodplain (excluding areas of fill) is inundated. Peak flood levels to the north and south of Manor Road are similar and so the proposed raising of the level of Manor Road will not impact local flood behaviour. The dominant local hydraulic control for flooding is the proposed filling of the Manor Estate site, for which the flood impacts have been demonstrated previously.

In summary, the potential impacts of the proposed Manor Road Upgrade are limited to local drainage considerations and will not impact the broader regional flooding. The flood impacts presented in R.N20874.001.02 are therefore still current and no additional modelling is required.

We trust that this report satisfies your requirements. Further information or clarification can be obtained by contacting the undersigned.

Yours Faithfully  
**BMT**

A handwritten signature in black ink that reads "Daniel Williams". The signature is fluid and cursive, with the first name "Daniel" being more prominent than the last name "Williams".

**Daniel Williams**  
**NSW Flood Lead**