



Memorandum

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Attention: Chen Liang Qian
Company: Build Rich Ltd
Date: 23 June 2022
From: Dr Lee Shapiro
Message Ref: 1 Silverwater Drive COVID-19 (Fast Track Consenting) Ecology Response

Background

Build Rich Ltd have lodged an application to refer their proposed residential subdivision at 1 Silverwater Drive, Silverdale (Lot 7 DP 545151) (referred to as the Project Site) to an expert consenting panel for consideration under the Covid-19 Recovery (Fast Track Consenting) Act 2020 (FTCA). Boffa Miskell Ltd was engaged to complete an ecological values survey of the property and an Assessment of Ecological Effects. The Ministry for the Environment have made a request for further information under Section 22 of the FTCA and this memo serves as a response to the relevant ecological information requested.

Section 22 Requests for information and responses

Natural Wetland Identification

7. *The wetland memorandum prepared by Boffa Miskell confirms that there is a wetland feature located adjacent to the southern boundary of the property. The memorandum advises that at the closest point the proposed house lots will have a setback of approximately 2.5m from the edge of the wetland, however there is no plan provided with the memorandum to show the agreed extent of the mapped wetland in relation to the proposed development. Please provide the following information:*

- a) *a copy of any supporting information/plans from Boffa Miskell that clearly shows the full extent of the mapped natural wetland in relation to the proposed development;*

A Boffa Miskell ecologist accompanied a surveyor to the site in December 2021 to accurately map the extent of the natural wetland located adjacent to the southern boundary of the property. It is our understanding that a plan has been completed that shows the agreed extent of the mapped wetland in relation to the proposed development and that this will be submitted as part of the overall request for further information under Section 22 of the FTCA.

- b) *confirmation of whether Boffa Miskell have reviewed the wetland design memorandum prepared by Aspire Consulting Engineers (Ref: 1628 M7) and are satisfied that the diversion of water will not result, or is unlikely to result, in the complete or partial drainage of all or part of the natural wetland.*

It is our understanding that during earthworks the wetland will be protected with a super silt fence that will be constructed to protect the wetland and control sediment. As outlined by Aspire Engineering (2021), a decanting earth bund will be installed upslope of the wetland with a 3000 m² catchment area and that it will comply with GD05 standards and the treated water from this bund will be used to recharge the wetland during earthworks. It is our understanding that the inputs to this wetland will be maintained post-development using stormwater flows from the neighbouring house lots. The stormwater outlet into the wetland will also need to allow for flows from large storm events to bypass the wetland to avoid potentially damaging flows.

The proposed method for maintaining the hydrological inputs to the wetland (located adjacent to the southern boundary of the property) during construction and operation of the site were outlined by Aspire Consulting Engineers in a memo (Ref: 1628 M7) and email correspondence, and on this basis we are satisfied that the diversion of water will not result, or is unlikely to result, in the complete or partial drainage of all or part of the natural wetland.