

Project No. 043-19-20

Date: 19-Dec-19

To:
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ROCKHAMPTON REGIONAL COUNCIL

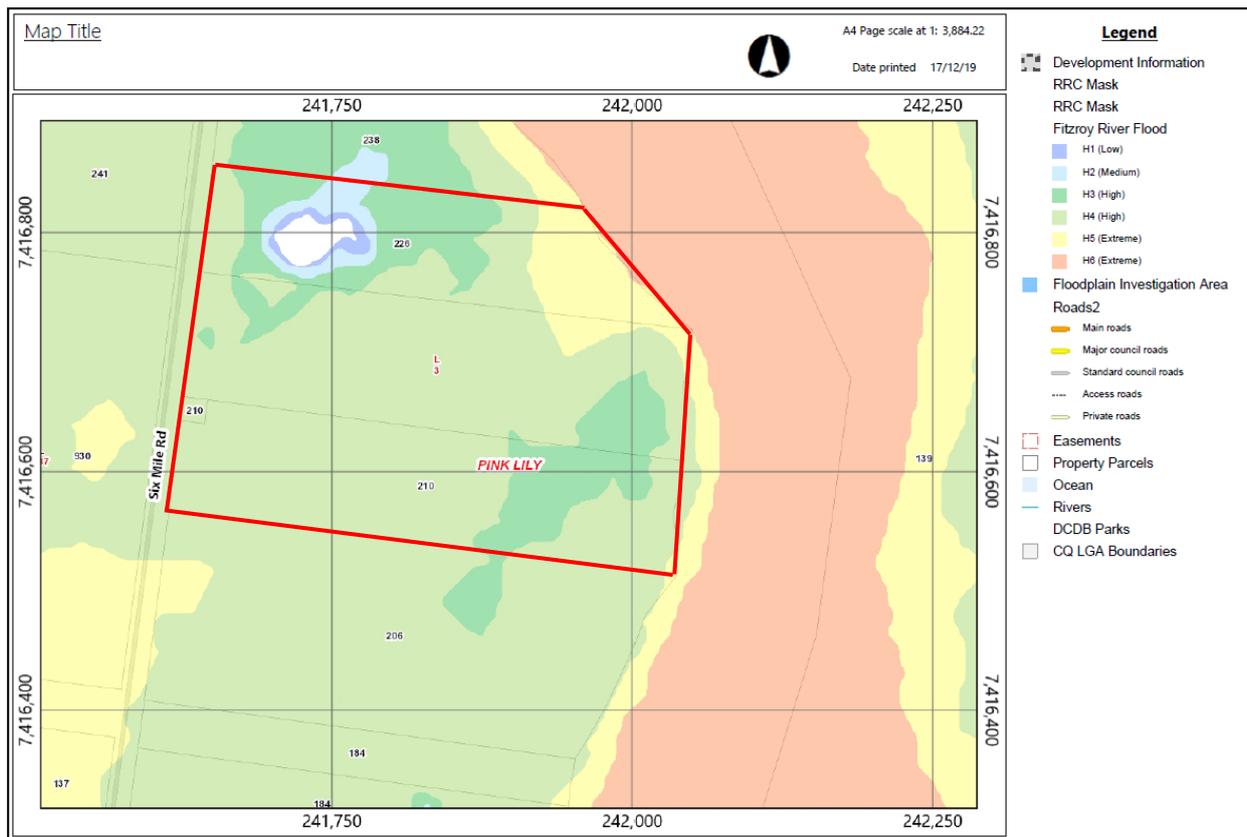
APPROVED PLANS

These plans are approved subject to the current conditions of approval associated with
Development Permit No.: D/127-2019
Dated: 1 June 2020

From:
Lachlan McMurtrie
Director
McMurtrie Consulting Engineers
lachlan@mcmengineers.com

Re: **218 Six Mile Road, Pink Lily – Flood Statement**

McMurtrie Consulting Engineers (MCE) has been engaged by Joseph and Jennifer Bakonyi to prepare a flood statement to address the flood impacts of completed earthworks at 218 Six Mile Road, Pink Lily also known as Lot 3 on RP601798. The subject site is located in the Rural Zone and is affected by high to extreme Fitzroy River flood hazard overlay.



A Show Cause and Enforcement Notice has been issued by Council for erection of an unapproved structure and filling. The fill has been placed over an area of approximately 2,300 square metres with an average depth of 1.0 metre. Therefore the total fill within the flood prone area is calculated at approximately 2,300 cubic metres. The volume of flood water storage displacement due to this filling of imported material would be 2,300 cubic metres. To



provide a highly conservative perspective, if Lot 3 and adjoining lots (approximate area of 115,000 square metres highlighted in red polygon above) were a contained volume, the displaced water volume would add approximately 20mm to the inundation height. If it is applied over the entire floodplain, the increase in the flood height would be insignificant.

A structure has been built with a roof area of approximately 125 square metres including a carport. The existing structure would be used to store equipment necessary for the maintenance of the property for its use for animal keeping. The shed would provide a more open layout as moving floodwaters (rising and receding) would create less turbulence and disruption and relatively unimpeded flow would be permitted. The doors of the shed would remain open during a flood event to ensure flood waters are capable of freely flowing through the shed and that existing flood risks are not made worse by alteration to the flow characteristics of the floodplain. Insignificant increase in impervious area in the post-development due to shed roof will have very minimal impact on the peak discharge and stormwater quality. Therefore this development would not create any actionable nuisance to surrounding properties.

Limitations:

- The fill limits are based on a site visit and Queensland Globe satellite imagery.
- This assessment does not take any structural elements of the fill pad into consideration.
- This assessment does not take any unapproved filling of the floodplain outside Lot 3 on RP601798.

Attachment 1 – Site Layout and Typical Section

Lachlan McMurtrie
Director