



**Prime Consulting Engineers Pty. Ltd.**

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**Project:** Alterations & Additions

**Job No:** CE/H-23-591

**Date:** 13/09/2023

**Rev:** -

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**To: Matthew Parrelli & Kate Kelso**

145 Headland Road North Curl Curl NSW 2099

**From:** Prime Consulting Engineers

### **RE: HYDRAULICS DESIGN**

Prime Consulting Engineers have been engaged by Mr. Matthew Parrelli & Mrs. Kate Kelso to provide Stormwater Management Plan for 145 Headland Road North Curl Curl NSW 2099.

Based on the provided survey and architectural plan, it is understood that the property is a low-lying property falling to the rear such that the stormwater drainage to the council kerb and gutter is not a viable option.

Furthermore, the geotechnical report prepared by ASCENTGEO (ref AG23280, dated 16<sup>th</sup> August 2023) shows the location of rock to be shallow and also the infiltration rate of soil very low at the depth of 0.2-0.7m ( $<0.241$  l/s/m<sup>2</sup>) such that the design of absorption trench is not feasible.

#### **References:**

The documents referred to in this report are as follows:

- Architectural Drawings prepared by Rapid Plans (Project No RP1222PAR, dated 21/06/2023.
- Survey drawings Prepared by TSS Total Surveying Solutions (Job No: 220011, dated 24/01/2023)
- Geotechnical report by ASCENTGEO (ref AG23280, dated 16<sup>th</sup> August 2023).



This report shall not be considered as relieving any other party of their responsibilities, liabilities or contractual obligations.

Should you require any further information, please do not hesitate to contact us.

Your faithfully,

Bijaya Giri

MIEAust, CPENG NER

A handwritten signature in black ink, appearing to read 'Bijaya Giri', is written over a light blue rectangular background.

**Signature:**