

## **78 Chisholm Avenue, Avalon**

### **Stormwater Disposal for Proposed Works**

#### **Scope**

To assess the method of using a dispersion trench to discharge stormwater on the subject property.

The proposed dispersion system is shown on 5 plans prepared by Stellen Consulting, drawings numbered DR-000 to DR-004, Revision 0, dated 11/3/22.

#### **Observations/Recommendations**

The site was inspected on the on the 13<sup>th</sup> January, 2022 as part of a Geotechnical Report.

According to the stormwater plans, it is proposed to install a level dispersion trench on the downhill side of the subject property (Photo 1).



*Photo 1*

The slope below the house consists of a steep lawn area. The underlying geology is horizontally bedded Hawkesbury Sandstone. Slope instability caused by natural stormwater run-off is highly unlikely on these types of sandstone slopes. As such, provided flows are kept to that of natural runoff for the site or less with the use of onsite detention where necessary, the proposed dispersion trench is not expected to impact on the long-term stability of the slope.

## Conclusion

This method is considered suitable provided the recommendations above are followed.

White Geotechnical Group Pty Ltd.



Ben White M.Sc. Geol.,  
AusIMM., CP GEOL.  
No. 222757  
Engineering Geologist