

PSM5665 - McCrae Landslide Monitoring - Information and request for access

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Hi All

Installation of the monitoring system is expected to commence week starting 10 February 2025. This email provides further details on the system and requests that Council seek approval from affected properties to allow access and installation of the system.

A displacement monitoring system is to be installed at the site. The monitoring system comprises of the following three systems (with example photographs shown below):

1. GNSS (i.e. GPS, refer Figure 1)
2. Tilt Sensors (refer Figure 2)
3. Manual Survey Prisms (refer Figure 3).

The proposed monitoring locations are located in private property. Proposed locations of monitoring points are shown on attached plan. Monitoring locations are proposed in the following properties:

- * 4 View Point Road
- * 6 View Point Road
- * 10-12 View Point Road
- * 16 View Point Road
- * 18-20 View Point Road
- * 22 View Point Road
- * 14 Prospect Hill Road
- * 16 Prospect Hill Road
- * 3 Penny Lane.

Additionally, it is possible some proposed monitoring may need to be relocated into 599-601 Point Nepean Road.

Monitoring installation is expected to occur over two days commencing from 10 February 2025. Installation of monitoring points is expected to create minimal disturbance. No vegetation will be removed, expect for very limited trimming of small branches if required for sightlines. All monitoring points will be attached to a robust mounting point, which may include:

- * steel post embedded in the ground
- * star picket embedded in the ground
- * direct attachment to a structure
- * a small concrete pad.

We note that the proposed locations of monitoring points may need to be adjusted during installation for a variety of reasons which include:

- * to allow for clear sight lines for survey prisms
- * to provide clear open sky for GNSS points
- * to avoid vegetation.

Following installation, limited amounts of ongoing access to the monitoring points will be required. Reasons for ongoing access include:

- * Servicing or troubleshooting
- * Battery replacements
- * Manual prism surveys (if necessary)
- * System decommissioning.



Figure 1: Example of GNSS Sensor installed on steel post



Figure 2: Example of tilt sensor installed on steel post



Figure 3: Typical example of survey prism on star picket

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