
SITE VISIT RECORD

Sheet No. 1 of 10

Contract: Mauao Base Track Geotechnical Monitoring

Inspection No: 3

Project Number: 2-9B463.01

Work Site: Mauao Base Track slip

Engineer/ Geologist: s 7(2)(a) - Privacy

Day & Date of Visit: 02/08/20

Arrival Time: 11.00am

Departure Time: 12.00pm

Weather and Site Conditions: Drizzle and fine periods on the day. There were no major rainfall events during the week preceding, just drizzle and showers on and off.

Site Inspection Notes – Track level

General observations

- The track condition was overall in the same condition as the previous visit on 29/06/20
- The cut slope above the track just beyond the west edge of site did not appear to have eroded any more than previously noted.
- Refer to Figure 1 for locations of drains / culverts.
- Photos from this inspection and the first inspection (02/06/20) are compared to monitor changes.

Track Condition

- The repaired track was moist, but there was no ponding, erosion, or deformation / cracking observed on the track itself (Photographs 1 & 2).
- There were no changes to the slope above the repaired track, with the exception of the small amount of erosion occurring around horizontal drain 3 (HD03, Figure 1). This is discussed below.

Culverts and Swales

- All grates entering culvert inlet at the north side of the track on the eastern side of the repair were clear - however they were covered with leaves (Photographs 3 and 4). The green drainage socks that collect water from these culverts and outlet at the bottom of the slope were checked. A small amount of water was flowing from the drain furthest to the east.
- The culvert at the west end of the repaired track (C02, Figure 1) was still mostly clear with the exception of leaves/ silt build-up (Photographs 11-13). This material is being eroded on the adjacent slope above the track at the western end (Photographs 16 and 17).
- The geometry of the track still has a reverse grade to the swales that lead to the culvert inlets.

Horizontal Bored Drains

- Horizontal drains HD01 - HD03 (Figure 1) on the slope above the repaired track were checked. There was a steady stream of water coming out of HD01 (Photograph 5). Horizontal drains 02 and 03 (HD02 and HD03, Figure 1) were both dripping steadily (Photographs 6 and 8).

- The scour around drain HD03 appeared to be in the same or similar condition as when last checked on 29/06/20. It is difficult to tell the extent of the scour due to the black mesh covering. The soil around the pipe was still wet and quite weak. The geogrid was not attached to the slope face in the vicinity around the drain (Photographs 7 & 8). We think this may need to be addressed by pinning the geogrid back onto the slope around the vicinity of the drain.
- At the bottom of the slope, horizontal drains on the slope face were checked (H04 - HD09, Fig. 01).
- HD04, HD06 and HD09 were not dripping.
- A small amount of water was dripping from HD07 - about 1 drip every 5 seconds.
- HD08 felt wet inside but was not actively dripping.
- HD05 was dripping at a rate of 1 drip per second.

Observations of the slip scarp

- On the slip scarp itself there were no signs of soil nail deformation / movement.

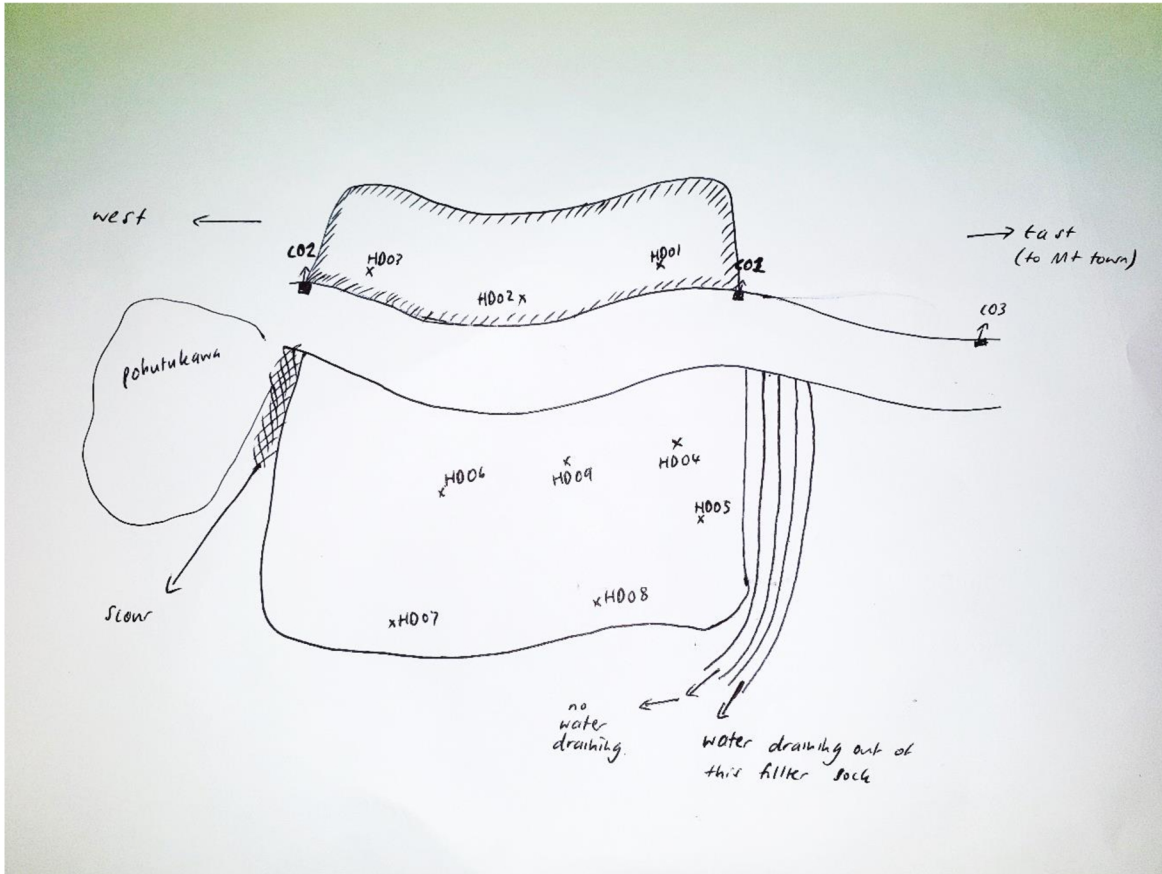
Observations at Toe of Slope

- There were no signs of wave / water erosion of the toe of the slope or between the toe of the slope and debris remains (Photographs 20 and 21).

Observations of the Pohutukawa Tree on the west side of the slip

- The minor amount of scour adjacent the Pohutukawa tree on the western side of the slip looks the same as the last site visit i.e. no further scouring has occurred (Photographs 18-19).

Figure 1 - diagram of site



Signature:

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Site Photographic Record - Mauao base track slip



At the start of the track looking west. Photograph 1 (top) - taken during the first inspection on 02/06/20. Photograph 2 (bottom photo) was taken on 02/08/20.



Client: Tauranga City Council

Photographs 1 & 2

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Photograph 3 (top left) and Photograph 4 (top right) showing Culvert 01 (C01, Fig. 4).



Photograph 5 (left): Water steadily flowing from horizontal drain 01 (HD01). Photograph 6 (right) horizontal drain 02 (HD02) dripping steadily.

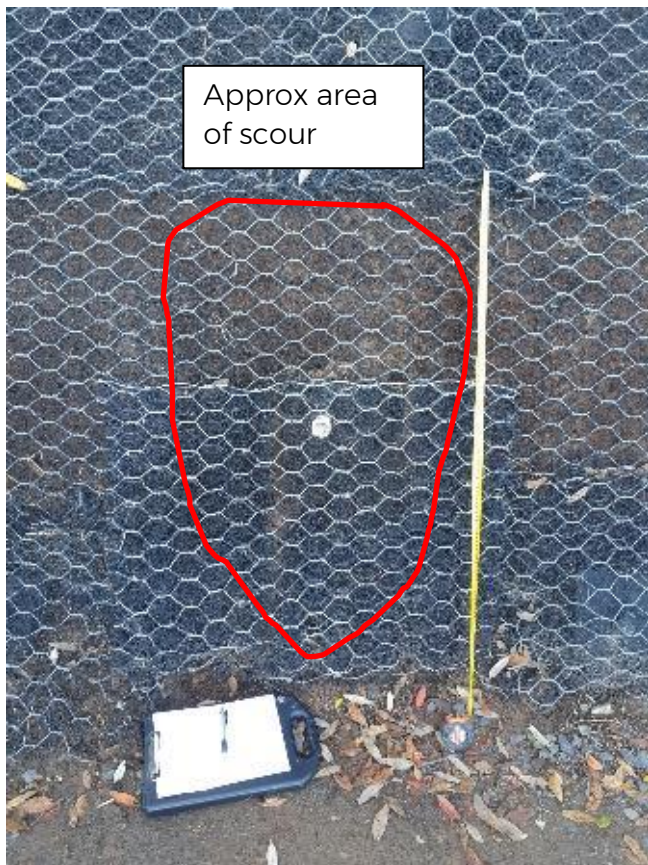


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Photographs 3 - 6

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Approx area of scour



Photograph 7 (above left) horizontal drain 03 (HD03) and approximate area of scour associated with it. A zoomed in picture of the drain is shown in Photograph 8 (above right).



A comparison of Culvert 2 as initially inspected on 02/06/20 (Photograph 9 - above, left) and on 02/08/20 (Photograph 10 - above right). Material from the slope above the drain has been collecting in the slope side of the drain.



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Photographs 7 - 10

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A comparison of Culvert 2 as initially inspected on 02/06/20 (Photograph 11 - above, left) and on 02/08/20 (Photograph 12 - above right). Buildup of material has nearly blocked the drain at the track end.



Photograph 13 - culvert O2 looking from the slip side of the track to the slope side of the track. The material has only accumulated at the slope side of the culvert.



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Looking west across the slip face. Photograph 14 (above left) – taken during the first inspection on 02/06/20. Photograph 15 (above right) was taken on 02/08/20.



Looking at the bare face at the western end of the track. Photograph 16 (above left) – taken during the first inspection on 02/06/20. Photograph 17 (above right) was taken on 02/08/20.



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Photographs 14 - 17

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Looking up towards the Pohutukawa tree on the western side of the slip. Photograph 18 (top) was taken during the first inspection on 02/06/20. Photograph 19 (bottom) was taken on 02/08/20.



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Photographs 18 & 19

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Looking towards the slip from the tidal platform. Photograph 20 (top) was taken during the first inspection on 02/06/20. Photograph 21 (bottom) was taken on 02/08/20.



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Photographs 20 & 21

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