

SITE VISIT RECORD

Sheet No. 1 of 12

Contract: Mauao Base Track Geotechnical Monitoring
Project Number: 2-9B463.01

Inspection No: 1

Work Site: Mt Maunganui Base Track

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

Day & Date of Visit: 02/06/20

Arrival Time: 11.15 am

Departure Time: 12.25pm

Weather and Site Conditions: Heavy rain / wind Monday 01/06/20 and showers / rain Saturday 30 / 31 May 2020. Niwa rainfall data estimated around 35 - 40mm rain recorded at Waimapu rain gauge.

- Council maintenance contractors were on site clearing drains around the base track after heavy rain over the weekend.

Site Observations & Comments

- Two TCC drain maintenance contractors were met on site. They were checking and unblocking drains following the heavy rain on the weekend. s 7(2)(a) - Privacy said none of the drains adjacent the base track were blocked (Culvert 01 and Culvert 02), but some of them were covered in leaves.
- s 7(2)(a) - Privacy said they are out checking the base track after every instance of heavy rain. s 7(2)(a) - Privacy was happy to meet us on site following the next heavy rain so we could check / unblock drains around the slip together.

TCC Maintenance contractors details below:

- s 7(2)(a) - Privacy

Site Inspection Notes – Track level

Track Condition

- The track at repair level was checked. Refer to diagram sketched in Figure 1. The track itself was wet but there was no ponding, erosion, or deformation / cracking observed on the track itself. The track however may need some additional track metal at some stage (Photographs 1 and 2).

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 1 and 2). The green drainage socks that collect water from this culvert and outlet at the bottom of the slope had a small amount of moisture in them, indicating that water had been flowing overnight but had since stopped. There was no water draining from these socks when observed.
- The geometry of the track 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 no moisture inside any of these drains indicating that it was unlikely that any had been flowing during the heavy rain overnight. Drain H03

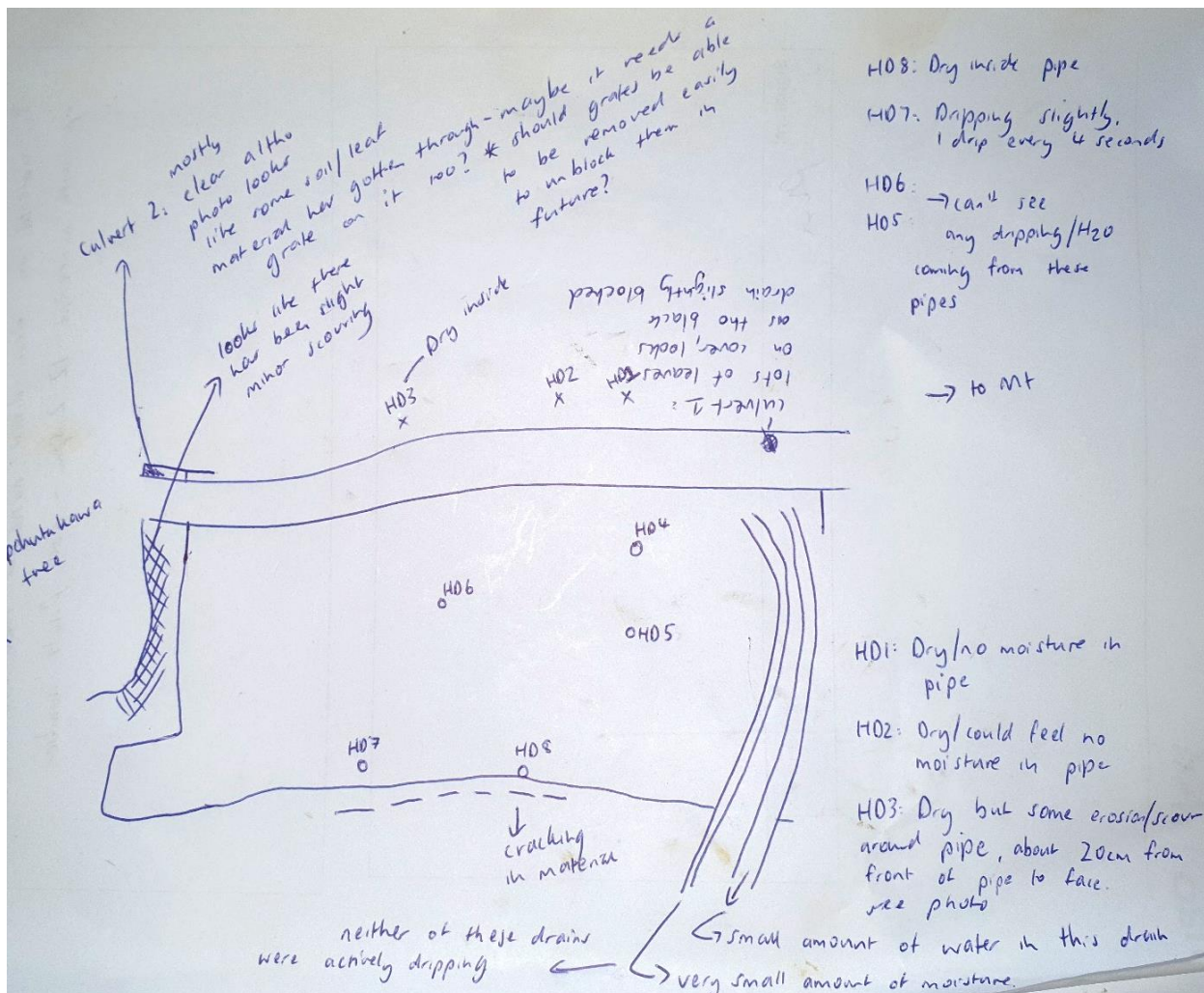
was dry however there looked to be some scouring / slight earth movement around the pipe (but this may have been there since construction, so we will continue to monitor).

- The soil around the pipe was wet and was quite weak. The geogrid was not attached to the slope face in the vicinity around the drain. The drain down by the harbour end of the base track (CO2, Figure 1) was mostly clear except for a minor buildup of silt/clay material on the inside. (Photographs 4 and 5).
- At the bottom of the slope no water was observed dripping from horizontal drains on the slope (H04, H05, H06, H08), with the exception of H07, which had a very minor amount of water dripping out of it - about 1 drop every 4 seconds.
- On the slip scarp itself there were no signs of soil nail deformation / movement. The material / debris immediately below the geogrid cover at the base of the slope showed minor cracking - see Photographs 10 & 11.

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 (Photograph 12, 18).
- Note the WSP survey team has since surveyed the toe area to monitor coastal erosion see additional photos below (Photograph 17).

Figure 1 - diagram of site and notes



Signature:

s 7(2)(a) - Privacy

Site Photographic Record



Photograph 1 - At the start of the track looking west



Photograph 2 - From the middle of the track above the slip looking east

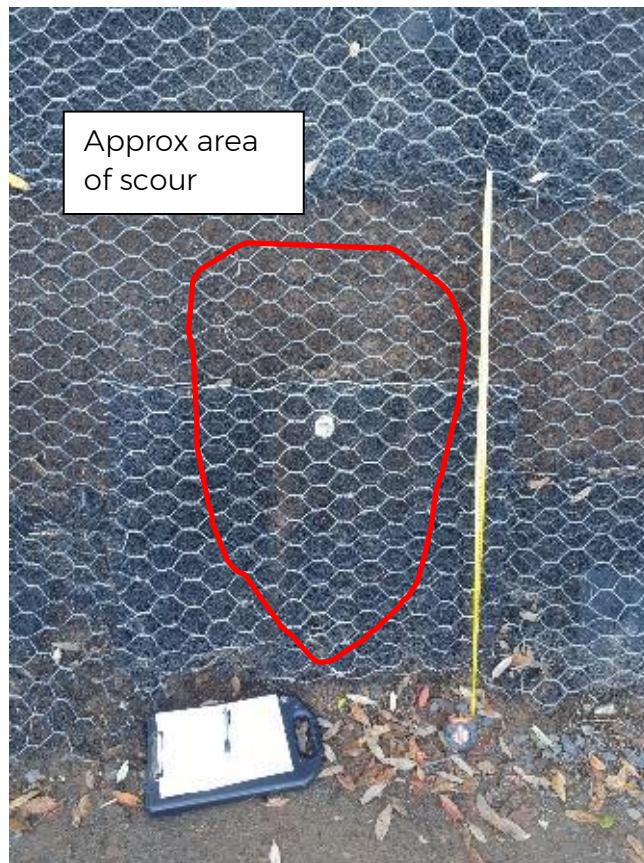


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Photograph 1 & 2

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Photograph 3 - There appears to be scour around Horizontal Drain 3. We will continue to monitor this.



Photograph 4 - Culvert 2



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Photograph 3 & 4

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Photograph 5 - View inside Culvert 2 from track to edge of slope



Photograph 6- View of slope looking west



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Photograph 5 & 6

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Photograph 7 - View looking upslope



Photograph 8 - Looking west across slip face towards the Pohutukawa tree



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Photograph 7 & 8

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Photograph 9 - View of slip face from bottom of slope



Photograph 10 - Horizontal drain O8 with slight cracking in material below



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Photograph 9 & 10

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Photograph 11 - Looking east from horizontal drain 08 to horizontal drain 07



Photograph 12 - View of toe of slip



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Photograph 11 & 12

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Photograph 13 - The start of the track from the west end



Photograph 14 - looking up to the slope above the top of the track



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Photograph 13 & 14

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Photograph 15 - looking up to the slope above the top of the track



Photograph 16 - View of slope surface looking east



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Photograph 15 & 16

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Photograph 17 – Survey team surveying the slope



Photograph 18 – The tidal platform at the eastern edge of the slope



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Photograph 17 & 18

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