



Kopeopeo Canal Remediation CLG Update Report

September 2017

1. Executive Summary

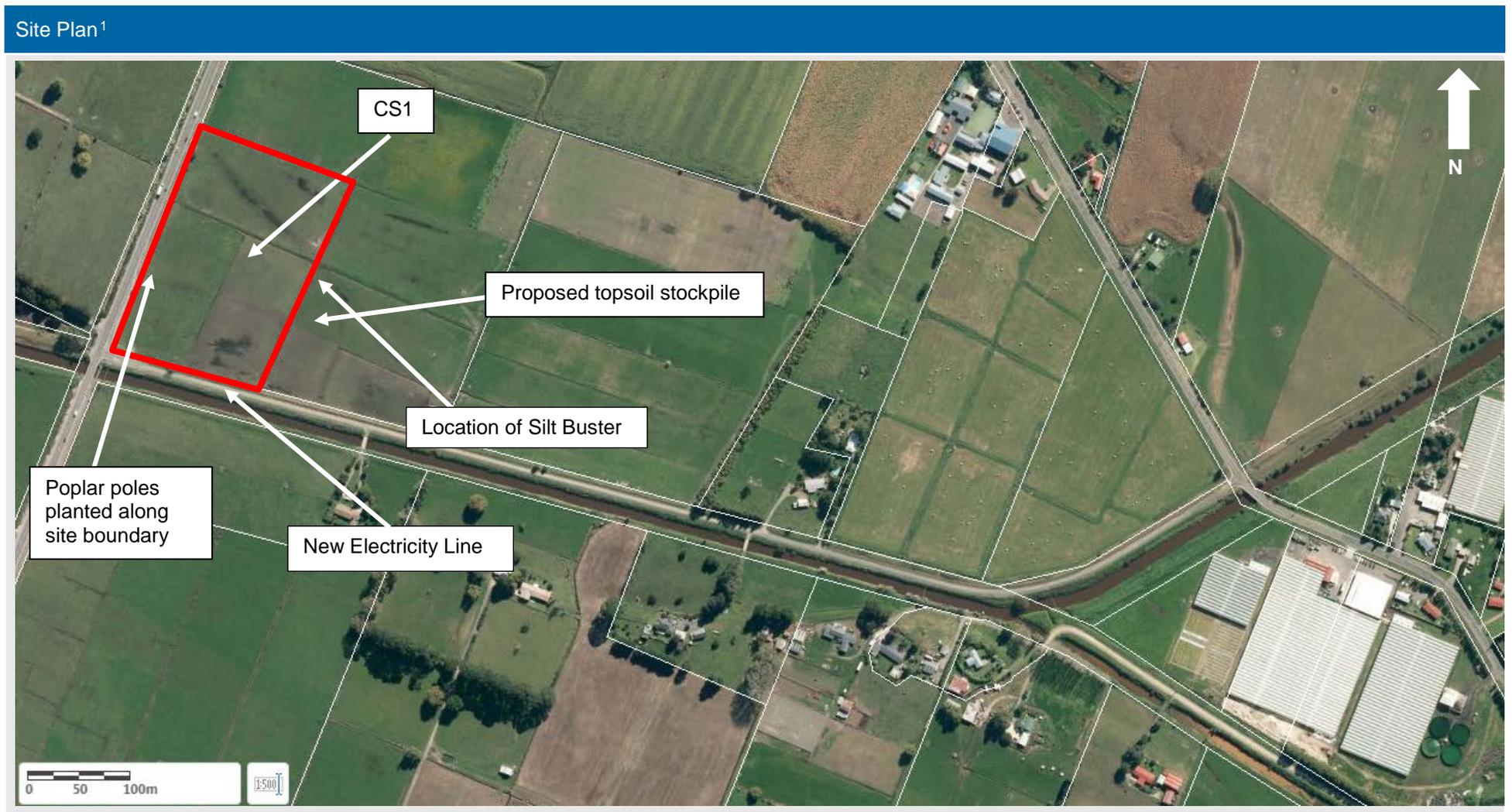
Construction at CS1 has been on hold since July, with only minor works ahead of the planned construction restart in mid-October. This has included the thrusting of an electricity line beneath Kope Drain Road, stockpiling of rock at CS1, progressing of enabling works, planting of poplar poles on site, planning for tree removal from the canal, and approval for top soil stockpiles on adjacent land during CS1 construction (See Figure 1).

Continued high rainfall has caused significant delays to the project schedule; however, stormwater control from the site is well established and capable of processing the volumes of water leaving the site to ensure consent conditions are met.

Electronic dust monitoring has been temporarily removed from the site while works are on hold and visual dust assessments are being undertaken until works recommence next month.

The following report is based upon the observations and commentary by the Independent Monitor Field Observer (Matt James) with support from the Independent Monitor (Andrew Kohlrusch).

Figure 1: Site Plan



¹ Whakatane District Council GIS Online Viewer (<http://maps.whakatane.govt.nz/WDC/index.html?viewer=WebMap.HTML5Viewer>). Accessed 12/07/2017.

2. Limitations

The IM and IM field observer are not providing commentary or observations on matters related to project team (or subcontractor) health and safety as part of the IM role for the Kopeopeo Canal Remediation Project.

3. Project Progress

The following summarises the project events during the month of September 2017:

- Thrusting of an electricity line beneath Kope Drain Road (See Photograph 1 in Table 2)
- Stock piling of rotten rock at CS1 in preparation for works commencing (See Photographs 1 and 2 in Table 2)
- On-going discussions around flood control structures
- Planning and preparation for tree removal from the canal
- Enabling works progressing
- Poplar poles planted along the site boundary
- Approval for top soil storage on adjacent land during CS1 construction
- Approval for the installation of a gate on the eastern side of CS1

Table 2: Photograph Progress Log

Photograph	Event
	Photograph 1: Thrusting of electricity line beneath Kope Drain Road.

Photograph	Event
	<p>Photograph 2: Preparation of one stockpile area at CS1.</p>
	<p>Photograph 3: Stockpile area adjacent to the southern boundary.</p>

4. Community Liaison Group Update

4.1 Community Concerns

No community concerns have been raised with the IM during this reporting period.

5. IM Inspection Summary

This section outlines the results of the weekly site inspections undertaken by the IM field observer for the month of September.

5.1 Vegetation Clearing, Fauna, Topsoil Management and Rehabilitation & Visual Amenity

Earthworks at CS1 are on hold and grass has grown across the site. Poplar poles have been planted along the site boundary in preparation for capping of the completed containment cell.

Stockpiling of rotten rock is being undertaken at three locations within CS1. One of these areas required the cutting and laying of approximately 21 m x 41 m of base course to provide a solid foundation for the stockpile (Photograph 2 in Table 2).

Stockpiling of top soil will be undertaken on adjacent land and the installation of a new access gate along the eastern boundary will ensure traffic does not have to use the public road when accessing this stockpile.

No contaminated material disturbed.

5.2 Drainage, Sediment & Water Management

Heavy rainfall has occurred on the site but the Silt Buster is now continuously powered and all stormwater leaving the site appears to be below consent targets.

No contaminated material disturbed.

5.3 Dust Management

Electronic dust monitoring equipment was removed from the site due to the delay in earthworks. Currently, visual dust assessments are being undertaken until works on site recommence. The site remains wet and grass has grown across the vast majority of the site minimising the risk of dust generation. No significant amount of mud has been tracked off site.

5.4 Waste Management and Hazardous Goods

The site is still being developed with further site buildings to be brought to site. Rubbish is being collected within the site office and removed off site.

5.5 Heritage

Not applicable at this time.

5.6 Validation and Sampling

Not applicable at this time.

5.7 Fire Prevention and Response

Fire extinguishers on site.

5.8 Weed & Dieback Management

Not applicable at this time.

5.9 Sustainability

Not applicable at this time.

5.10 Community Interest

No community interest noted.

6. Analytical Results

6.1 Air quality

Electronic dust monitoring was not undertaken during September as the works on CS1 had ceased.

6.2 Water quality

EnviroWaste had not yet received September total suspended solids (TSS) results from the laboratory. The TSS result for discharge from the Silt Buster in July returned a result of 111 g/m³. TSS results for August showed a TSS value of 250 g/m³ entering the Silt Buster and 37 g/m³ after the Silt Buster, which is less than the consented target of 150 g/m³.

7. Summary of Monitoring and Validation

The only monitoring that occurred during September was related to stormwater discharge at CS1. The Silt Buster was set up on 31 May 2017 and sampling began on 2 June 2017.

The results summarised in Section 6 indicate that the stormwater TSS treatment at the site is functioning with the TSS results for June and August both being below the consented limits.

No air monitoring results were obtained as potential dust generating activities were not undertaken on the site and the risk of dust generation is very low given the wet conditions and thick grass layer that now covers the site.

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1.0	Matt James	A Kohlrusch		A Kohlrusch		02/10/17

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