

Memorandum

To	Ros Squire (NCC)
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From	Susi B. Solly (WSP)
Office	Nelson
Date	5 May 2021
File/Ref	5-G3431.08
Subject	Addendum to RM215117 , RM215097, RM215098, RM215099, RM215100, RM215101, RM215176 to increase the volume of proposed soil disturbance.

Background:

Nelson City Council applied for resource consent to upgrade the flood capacity of Saxton Creek between Main Road Stoke and Whakatu Drive (Stage 4 Upgrade, Phase B). The application was lodged on 9 April 2021 for the following activities:

RM215097 - Land use consent for earthworks and vegetation clearance within the Riparian, Flood Path and Coastal Environment Overlays

RM215098 - Coastal Permit to allow disturbance (including temporary structures) and vegetation removal and to allow the erection of a structure (bridge replacement & open channel)

RM215099 - Land use consent for the removal and replacement of outfall structures, including deposition of rock material for erosion protection

RM215100 - Water permit to temporarily divert surface water and temporarily dam instream for over-pumping during construction

RM215101 - Discharge permit to discharge water from settlement tanks to land where it may enter water

RM215116 - Land use consent to construct a culvert under the National Environmental Standard for Freshwater (NES-F)

RM215117 - Land Use consent for soil disturbance under the National Environmental Standard for Contaminants in Soil (NES-CS)

With regards to RM215177 (Land Use Consent under the NES-CS), the application as lodged sought the disturbance of up to 4,000m³ of soil (controlled activity). Section 6.3.5 of the application (as lodged) states that: *"The proposed culvert installation and open channel widening require excavations to approximately 4-6m below the existing road/ ground level."*

Addendum:

This addendum seeks to incorporate a small change to the application resulting from the engineering design, which has now been finalised. The engineering design requires a gravel raft below the bottom of the culvert and open channel and thus, increases the depth of excavation and volume of earthworks proposed. The gravel raft will have a height/ depth of 0.6m and consequently, the proposed depth of excavation will increase by approximately 0.6m. Accordingly, the proposed volume of earthworks increases to approximately 6,750m³. This includes an allowance for 0.5m over-excavation behind the sheet piles, which will also need to be extended.

Isolated soft spots in the ground below the proposed culvert may require additional excavation/ soil disturbance and thus, the applicant seeks allowance for a further 1,000m³ soil disturbance, giving a total volume of disturbance of approximately 7,750m³ (an additional 3750m³ more than originally sought).

It is noted that this does not affect the activity status of RM215177 as a controlled activity, nor does it result in any additional breaches of the NES-CS regulations or the NRMP rules. The increased depth of excavation will not lower the groundwater below 8m from existing ground level and thus, dewatering of groundwater remains a permitted activity under rule FWr.14 as detailed in Table 4-1 of the application.

It is considered that the increased depth and volume of excavation/ soil disturbance does not give rise to any additional environmental effects over and above those assessed in the application as lodged. The Assessment of Effects contained in Section 6 and the volunteered Conditions in Section 9 of the application, including the Unexpected Contamination Discovery Protocol remain valid.