

L2L Trail Leg 6,

Culvert at GPS Coordinates 11080612 E, 4944088 N

To whom it may concern



The abatement notice, dated 27 September 2018 served on Fiordland Trails Trust (FTT) Item 2 refers.

FTT were required to modify this culvert to comply with the requirements of the Proposed Southland Water and Land Plan




Rule 59(a) (v) is 'the invert (or bottom) of any culvert is installed to a depth of either 300 millimetres below the natural bed level or one-third of the diameter of the culvert, whichever is the lesser;'

The culvert lowering work was completed in October 2018.

The schedule below indicates the situation prior to the culvert relaying.

Dia - mm	Length metres	Gradient degrees	Purpose	Culvert inlet	Culvert outlet	Comment
400	6m	3	Acts as a drainage ditch from Kepler Farm, existing waterway, manmade back when farm was established in 1970's			Placed to existing ditch. Embedment u/s 80mm, d/s 60mm. Sedimentation of invert – 30mm deep u/s. Flowing freely and no impediment to fish movement. Not strictly to rule. Could be embedded further if necessary

The schedule over indicates the culvert post relaying and complying with Rule 59(a) (v).

Dia - mm	Length metres	Gradient degrees	Purpose	Culvert inlet	Culvert outlet	Comment
400	6m	3	Acts as a drainage ditch from Kepler Farm, existing waterway, manmade back when farm was established in 1970's	 <p data-bbox="707 651 1178 683">Blue pen indicates original bed level</p>  <p data-bbox="707 1085 1216 1117">Looking immediately upstream of inlet</p>	 <p data-bbox="1267 651 1738 683">Blue pen indicates original bed level</p>	<p data-bbox="1856 185 2101 248">Culvert is 400mm internal diameter.</p> <p data-bbox="1856 304 2101 528">Inlet is embedded 150mm below original ground level. (80mm of sediment depth within invert).</p> <p data-bbox="1856 576 2112 839">Outlet is embedded 140mm below original ground level (90mm of sediment within invert)</p>

David Boniface

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Trustee and Engineer to FTT