RWC-1018 Tamihi 4.15km

2023 Inspection

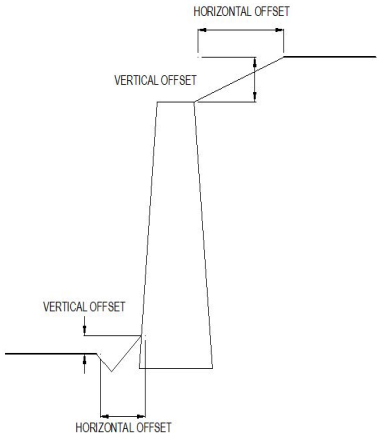
RWIP Offline v7 TEST 2

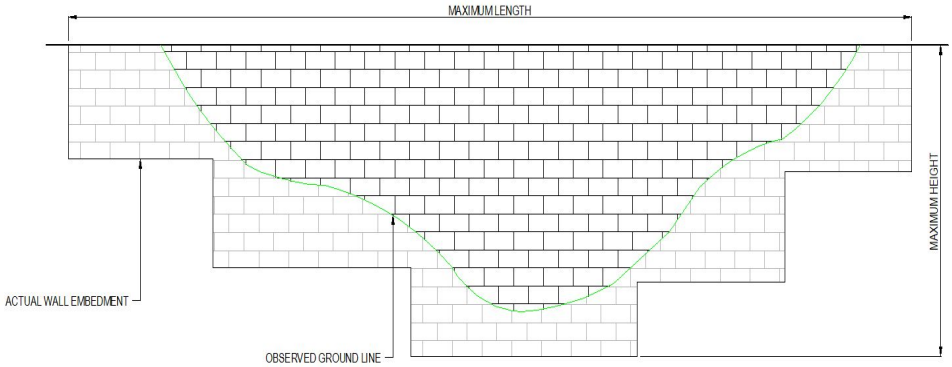
Retaining Wall Inventory Data

	Existing Data	Updated Data
Structure Number	RWC-1018	
User km	4.15	
Project File #	5127.06	
FSR Name	Tamihi	
District	Chilliwack	
Road Responsibility	DCK (Chilliwack)	
Design Function	Fill Slope	
Design Function Other		
Structure Type	GRS	
Structure Type Other		
Facing Type	Welded Wire Mesh	
Facing Type Other		
Year Installed	2012	
Last Inspection	2021	
Design Info Available	Yes	
Latitude	49.048148	
Longitude	-121.82065	

Measurements

Max. Length (m)	6	
Max. Height (m)	7.5	
Vertical Offset (m)		
Horizontal Offset (m)	3	
Barrier Length (m)		
Road Width (m)		





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Primary Elements

	Rating	Comments
Retaining Wall Structure	Fair	Wall showing bulging of the mesh as well as sagging in middle of wall.
Drainage System	Fair	Functioning culvert.
Foundation Material	Fair	Potential that foundation is showing signs of beginning to settle / erode.
Wall Movement Indicators	Fair	

Secondary Elements

	Rating	Comments
Surface Drainage	Poor	Upslope landslide filled up ditch.
Road	Fair	
Lateral Slope	Good	
Upslope	Poor	Landslide draw looks like it will continue to produce debris in rain events.
Downslope	Fair	
Traffic Barrier	Poor	Log covered with debris from landslide.
Signage Delineators	Poor	
Vegetation	Yes	

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Retaining Wall Inspection Report

Name of Inspector	Daniel Stein
Inspection Company	Ministry of Forests
Date of Inspection	2023-05-03 2:23 PM
Professional Inspection Required	Yes
Overall Wall Condition Rating	Fair
Failure Consequence	Moderate: Some loss of road prism intermittent or low exposure of people to constant exposure. May require some wall repair.
Road Status	Active

Inspector Summary Comments

Prior to providing comments review previous inspection reports and design/construction information where available.

Bulging GRS wall combined with a very unstable upslope result in this wall getting a fair to poor rating. Continue monitoring annually.

Sketch (Select Signature)

Provide sketch if required.

Inspector's Authentication:
The inspector is responsible for the quality and completeness of the inspection, unless working under direct supervision of a Professional Engineer.

Permit to practice number (where applicable).

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Monitoring, Maintenance & Repair Recommendations

Monitoring, maintenance and repair recommendations are provided by the inspector and finalized by the reviewing Ministry Engineer.

Monitoring, maintenance and repair items carry forward until completed (refer to previous inspection records).

Maintenance/Repair

Item	Status	Priority	Description	Ministry Engineer Comment
1				

Monitoring

Item	Frequency	Description	Ministry Engineer Comment
1	1 year	Annual inspections for this wall showing signs of deformation.	

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Ministry Engineer Review

Name of Professional Engineer: Daniel Stein P.Eng.

Recommended inspection frequency: 1 year

Recommended year of next inspection: 2024

Professional Engineer Comments

Landslide debris should be cleaned so culvert inlet is exposed. Monitor annually.

Professional Engineer's Authentication:

The reviewing Professional Engineer is responsible for the review of the inspection report and any arising recommendations. The undersigned does not warrant or guarantee, nor accept any responsibility for the accuracy or completeness of the inspection or supervision of the inspector. Furthermore, the undersigned does not warrant or guarantee construction record information supplied or created by others not under the undersigned's direct supervision. By authenticating this report, the undersigned accepts responsibility for review of the report and information and recommendations provided by the undersigned.

1003022

Permit to practice number

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Town approach, unstable upslope and organic wood barrier

From woods appriach. Unstable upslope and no ditch.

Active landslide upslope. Filled in culvert and ditch.

Bulging grs wall under stacked rocks. Seepage and water is somehow getting to culvert.

Downslope and culvert.

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