

RWC-1014 2023 Inspection

Tamihi 3.1km



RWIP Offline v7 TEST 2

Retaining Wall Inventory Data

Existing Data

Updated Data

Structure Number RWC-1014

User km 3.1

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 49.057316

Longitude -121.825208

Measurements

Max. Length (m) 40

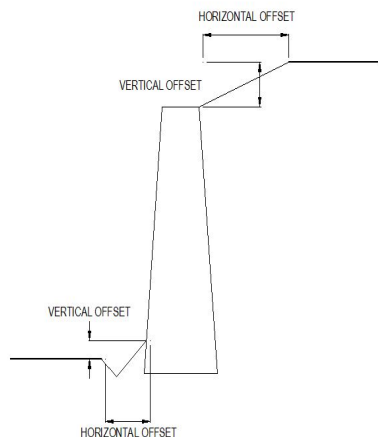
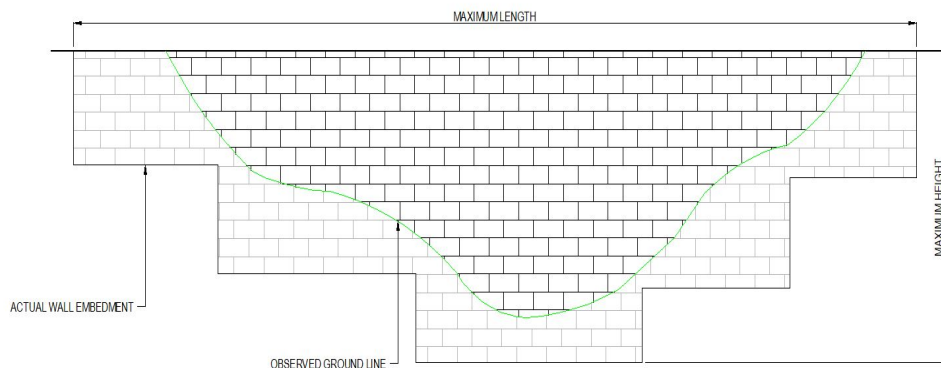
Max. Height (m) 14

Vertical Offset (m)

Horizontal Offset (m) 13

Barrier Length (m)

Road Width (m)



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Primary Elements

	Rating	Comments
Retaining Wall Structure	Good	Welded wire mesh GRA with geosynthetic holding the fill in performing well.
Drainage System	Good	Water actively flowing through culvert, drain socks observed.
Foundation Material	Good	Appears to be good and showing no signs of eroding despite constant water flow.
Wall Movement Indicators	Excellent	

Secondary Elements

	Rating	Comments
Surface Drainage	Excellent	Established ditch and culvert inlet
Road	Good	Some pot holes.
Lateral Slope	Fair	Evidence of sloughing on woods side lateral slope.
Upslope	Fair	Trees indicate creep movement.
Downslope	Good	
Traffic Barrier	Fair	One barrier unconnected.
Signage Delineators	Poor	Does not exist.
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 3:10 PM
Professional Inspection Required	Yes
Overall Wall Condition Rating	Good
Failure Consequence	<u>Moderate: Some loss of road prism intermittent or low exposure of people to constant exposure. May require some wall repair.</u>
Road Status	Active

Inspector Summary Comments

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

Barrier should be fixed as this wall is 11.5 meters high. Continue to monitor for signs of deformation and foundation erosion.

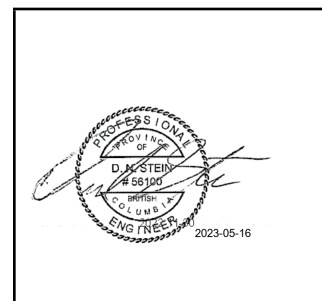
Sketch (Select Signature)

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	Required	High	Fix barriers at edge of wall	
2	Suggested	Medium	Clean up culvert inlet.	

Monitoring

Item	Frequency	Description	Ministry Engineer Comment
1			
2			

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Ministry Engineer Review

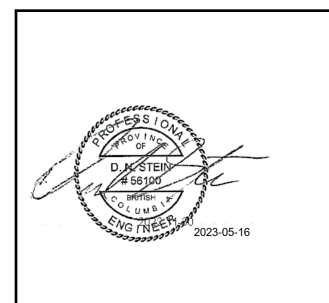
Name of Professional Engineer	<u>Daniel Stein P.Eng.</u>
Recommended inspection frequency	<u>1 year</u>
Recommended year of next inspection	<u>2024</u>

Professional Engineer Comments

Due to the high height of the wall it should be inspected 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, remove spoil pile



Woods approach



Inlet maintenance required



High wall with no signs of deformation.



Connect the barriers



Outlet

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