

RWC-1017 2023 Inspection

Tamihi 4.1km



RWIP Offline v7 TEST 2

Retaining Wall Inventory Data

Existing Data

Updated Data

Structure Number RWC-1017

User km 4.1

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 49.047859

Longitude -121.820838

Measurements

Max. Length (m) 27

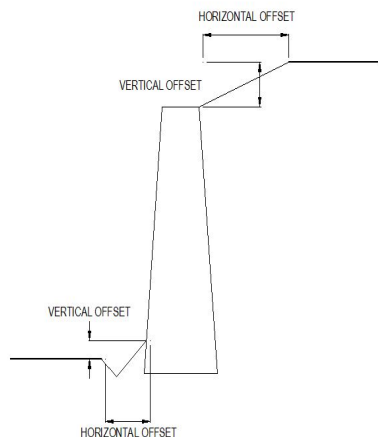
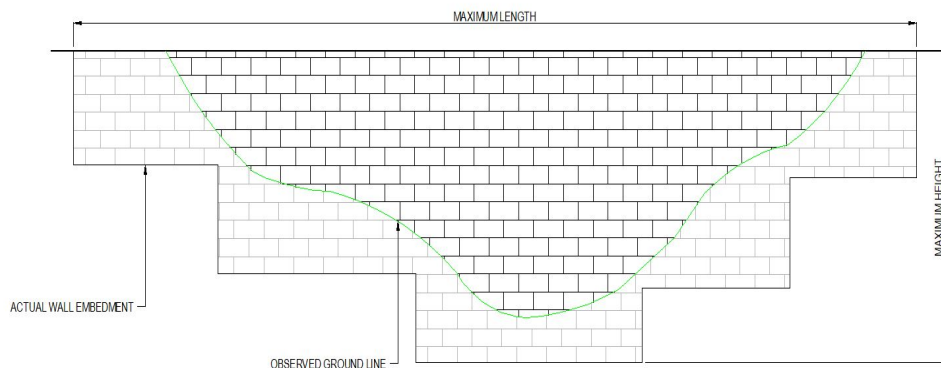
Max. Height (m) 9.5

Vertical Offset (m)

Horizontal Offset (m) 9.5

Barrier Length (m)

Road Width (m)



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Primary Elements

	Rating	Comments
Retaining Wall Structure	Good	GRS wall with welded wire mesh / geosynthetic facing performing well.
Drainage System	Good	Culvert and drain socks throughout performing well.
Foundation Material	Good	Rock pad performing well.
Wall Movement Indicators	Excellent	

Secondary Elements

	Rating	Comments
Surface Drainage	Good	
Road	Good	
Lateral Slope	Good	
Upslope	Fair	
Downslope	Good	
Traffic Barrier	Good	Barriers connected and above road prism
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 4:12 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.

Well functioning wall, detrimental vegetation should be removed.

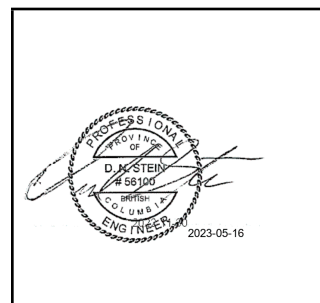
Sketch (Select Signature)

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	Suggested	Medium	Remove vegetation	

Monitoring

Item	Frequency	Description	Ministry Engineer Comment
1			

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Ministry Engineer Review

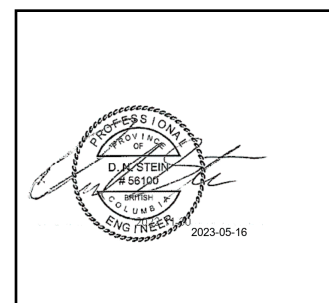
Name of Professional Engineer	<u>Daniel Stein P.Eng.</u>
Recommended inspection frequency	<u>1 year</u>
Recommended year of next inspection	<u>2024</u>

Professional Engineer Comments

Continue annual inspections for this well performing wall.

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 , upslope is good.



Wall facing. wwm tensioned up but not yielded.



Woods approach, ditch is good.



Splash pad and tensioned bulging wwm. Wicking socks visible.



Culvert inlet brushy but functional

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