RWC-1007 **Garnet 5.2km**

2023 Inspection

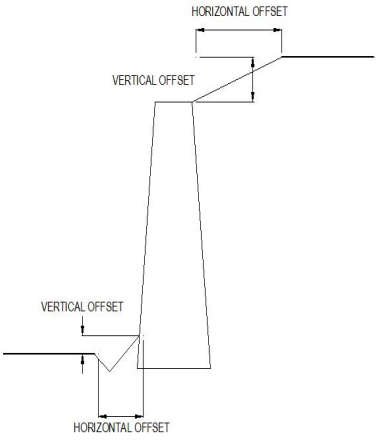
RWIP Offline v7 TEST 2

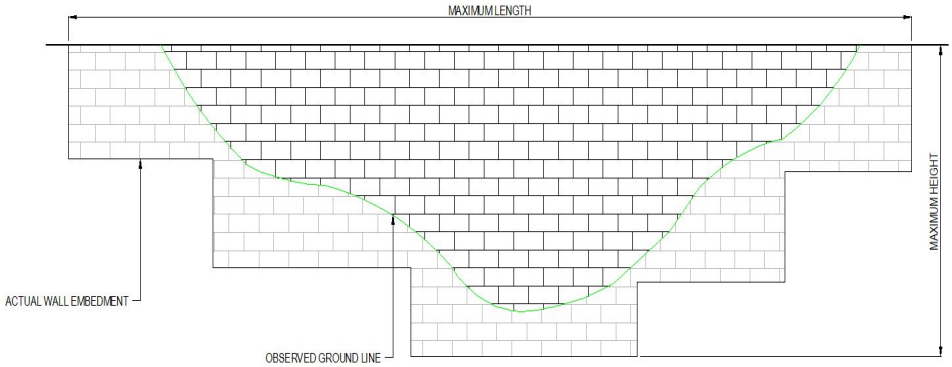
Retaining Wall Inventory Data

	Existing Data	Updated Data
Structure Number	RWC-1007	
User km	5.2	
Project File #	7558.01	
FSR Name	Garnet	
District	Chilliwack	
Road Responsibility	DCK (Chilliwack)	
Design Function	Fill Slope	
Design Function Other		
Structure Type	Reinforced Slope	
Structure Type Other		
Facing Type	Metal	
Facing Type Other		
Year Installed	2017	
Last Inspection	2021	
Design Info Available	Yes	
Latitude	49.394189	
Longitude	-121.60932	

Measurements

Max. Length (m)	16	
Max. Height (m)	2	
Vertical Offset (m)		
Horizontal Offset (m)	2	
Barrier Length (m)		
Road Width (m)		





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Primary Elements

	Rating	Comments
Retaining Wall Structure	Excellent	
Drainage System	Good	Water appears to stay on upslope side due to prism shape.
Foundation Material	Excellent	Well founded coarse material and bedrock
Wall Movement Indicators	Excellent	

Secondary Elements

	Rating	Comments
Surface Drainage	Good	It doesn't look intentional but the water is keeping to cut-slope side.
Road	Good	
Lateral Slope	Good	
Upslope	Excellent	Less shear of a cliff face than adjacent walls
Downslope	Good	
Traffic Barrier	Good	W barrier
Signage Delineators	Not applicable	
Vegetation	Yes	

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Retaining Wall Inspection Report

Name of Inspector	Daniel Stein
Inspection Company	Ministry of Forests
Date of Inspection	2023-05-02
Professional Inspection Required	Yes
Overall Wall Condition Rating	Excellent
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

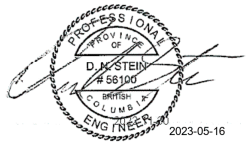
Prior to providing comments review previous inspection reports and design/construction information where available.

Foundation is good and no signs of deformation or failure. Continue annual inspection due to non typical design.

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

Monitoring

Item	Frequency	Description	Ministry Engineer Comment

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Ministry Engineer Review

Name of Professional Engineer: Daniel Stein P.Eng.

Recommended inspection frequency: 1 year

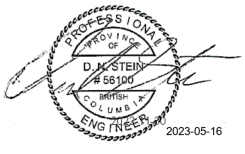
Recommended year of next inspection: 2024

Professional Engineer Comments

Well founded wall with good surface drainage characteristics.

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.



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Permit to practice number

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Town approach

Wall town side

Woods approach

Well founded

Wall facing woods side

RWC-1007

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