RWC-1002 Bench 2.2km
2023 Inspection

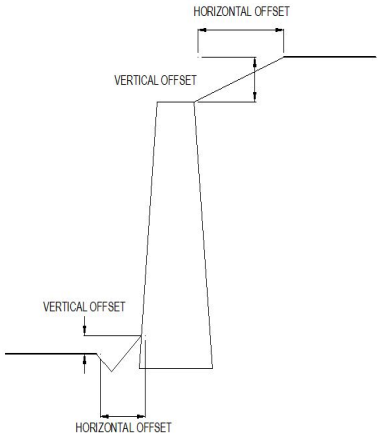
RWIP Offline v7 TEST 2

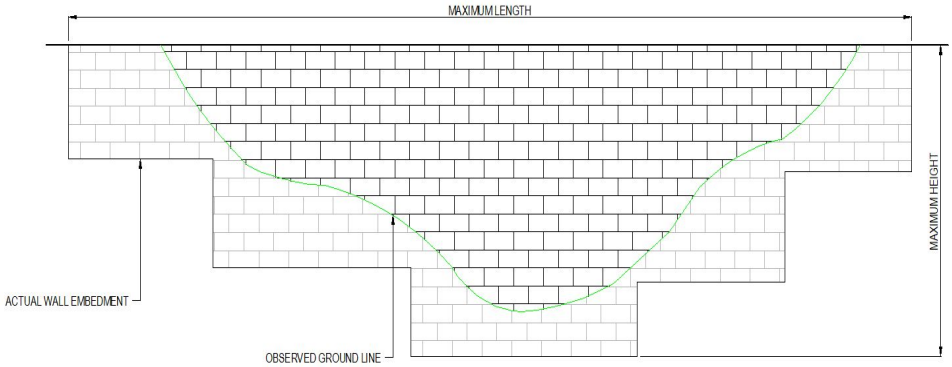
Retaining Wall Inventory Data

	Existing Data	Updated Data
Structure Number	RWC-1002	
User km	2.2	
Project File #	5127.1	
FSR Name	Bench	
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	2007	
Last Inspection	2019	
Design Info Available	No	
Latitude	49.111072	
Longitude	-121.633694	

Measurements

Max. Length (m)	50	
Max. Height (m)	5	
Vertical Offset (m)		
Horizontal Offset (m)	4	
Barrier Length (m)		
Road Width (m)		





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Primary Elements

	Rating	Comments
Retaining Wall Structure	Good	Well performing wall with cobbles behind welded wire mesh facing rather than geotextile behind the mesh.
Drainage System	Good	PVC drainage pipe at base of wall draining into foley creek.
Foundation Material	Good	
Wall Movement Indicators	Fair	Some bulging noted mid way up wall. Potentially some fill eroded out of mesh and resulted in this. Foundation appears solid.

Secondary Elements

	Rating	Comments
Surface Drainage	Good	Functioning ditch.
Road	Good	
Lateral Slope	Good	
Upslope	Fair	Some evidence of slumping but not enough to fill ditch.
Downslope	Excellent	Foley creek
Traffic Barrier	Poor	Does not exist.
Signage Delineators	Fair	Sign indicating single lane coming from woods.
Vegetation	No	

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Retaining Wall Inspection Report

Name of Inspector	Daniel Stein
Inspection Company	Ministry of Forests
Date of Inspection	2023-05-03 1:38 PM
Professional Inspection Required	Yes
Overall Wall Condition Rating	Good
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.

No design exists for this wall on our file but the wall appears to be a well functioning GRS wall with cobble sized fill.

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: 3 years

Recommended year of next inspection: 2026

Professional Engineer Comments

Well functioning 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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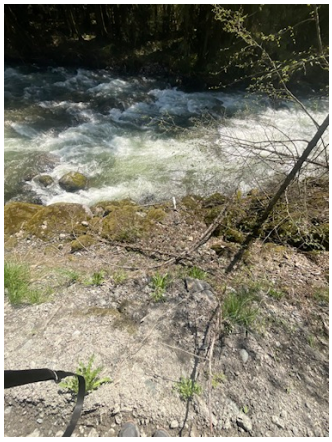
From town approach, no barrier.

Wall facing

From woods and sign

Good foundation

Some bulging upper 2



Horizontal drain hole at base

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