

RWC-1021

2023 Inspection



RWIP Offline v7 Coast 1

Retaining Wall Inventory Data

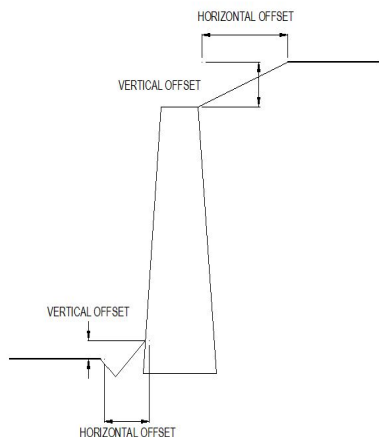
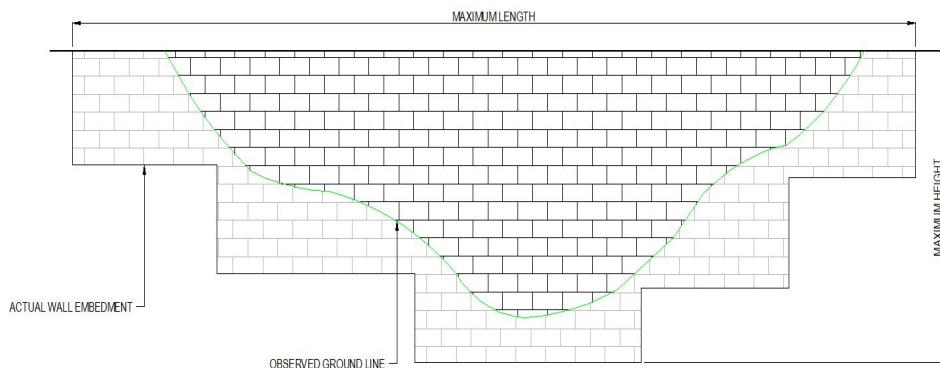
Existing Data

Updated Data

Structure Number	RWC-1021	
User km		1.3
Project File #		
FSR Name		Hunter
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		2022
Last Inspection		
Design Info Available		
Latitude		49.349506
Longitude		-121.571571

Measurements

Max. Length (m)		21
Max. Height (m)		2.9
Vertical Offset (m)		
Horizontal Offset (m)		
Barrier Length (m)		30
Road Width (m)		



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Primary Elements

	Rating	Comments
Retaining Wall Structure	Excellent	New structure appears well built and well founded. Facing mesh isn't galvanized and is rusting.
Drainage System	Good	Only surface diversion observed.
Foundation Material	Excellent	Competent granitic bedrock
Wall Movement Indicators	Excellent	

Secondary Elements

	Rating	Comments
Surface Drainage	Excellent	French drain diverts water to cross ditch
Road	Excellent	
Lateral Slope	Fair	Steep vegetated slope with river below.
Upslope	Excellent	
Downslope	Excellent	
Traffic Barrier	Fair	Concrete barriers about 50 cm apart. They should be connected.
Signage Delineators	Poor	
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
Professional Inspection Required	Yes
Overall Wall Condition Rating	Excellent
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 constructed GRS wall showing no signs of failure. Foundation is visible bedrock. At least one square over lap for all the welded wire mesh. Some bunched up geosynthetic observed on facing and this will continue to be monitored.

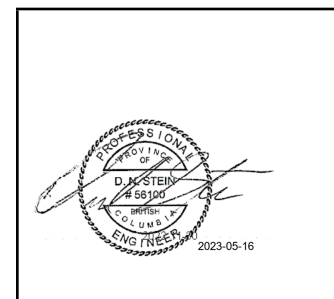
Sketch (Select Signature)

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

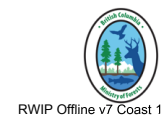
Item	Status	Priority	Description	Ministry Engineer Comment

Monitoring

Item	Frequency	Description	Ministry Engineer Comment

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Ministry Engineer Review

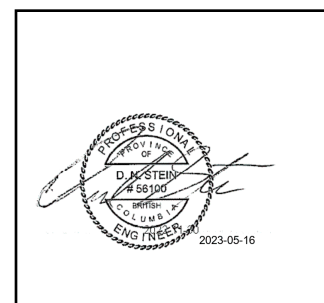
Name of Professional Engineer	<u>Daniel Stein P.Eng.</u>
Recommended inspection frequency	<u>3 years</u>
Recommended year of next inspection	<u>2026</u>

Professional Engineer Comments

Well founded GRS wall with protection barriers installed. Excellent surface drainage. Barriers should be connected to provide more impact resistance.

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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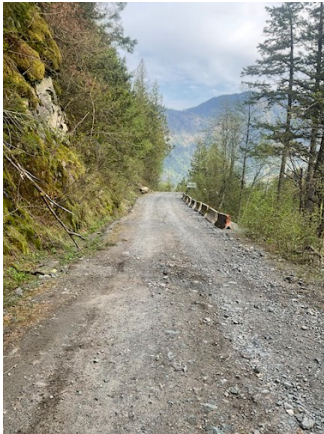
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From town approach



Slope below wall down to creek



From woods approach. Note cross ditch diverting water to ditch.



GRS wall face

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