

RWC-1022

2023 Inspection



RWIP Offline v7 Coast 1

Retaining Wall Inventory Data

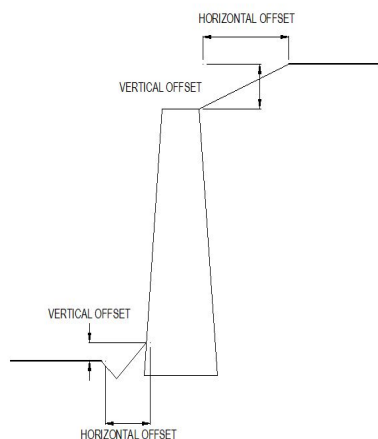
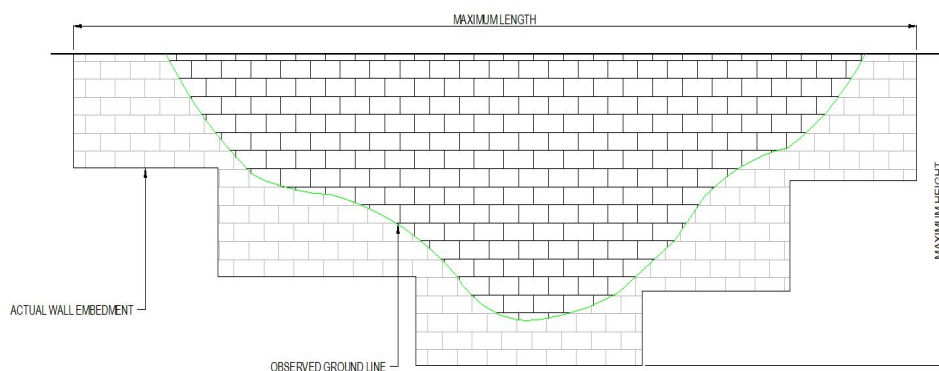
Existing Data

Updated Data

Structure Number	RWC-1022	
User km		1.4
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		49.348893
Longitude		-121.571287

Measurements

Max. Length (m)		19
Max. Height (m)		3.5
Vertical Offset (m)		
Horizontal Offset (m)		
Barrier Length (m)		28
Road Width (m)		



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Primary Elements

	Rating	Comments
Retaining Wall Structure	Excellent	New GRS wall with all elements performing well however facing is not galvanized.
Drainage System	Good	No drainage observed in wall but good ditching on road observed.
Foundation Material	Excellent	Gabions pinned down with #14 galvanized rebar on adverse dipping bedrock.
Wall Movement Indicators	Excellent	No movement.

Secondary Elements

	Rating	Comments
Surface Drainage	Good	Small cross ditch and road ditch.
Road	Excellent	
Lateral Slope	Fair	Similar slope compared to where wall is required.
Upslope	Good	
Downslope	Fair	Extremely steep dipping rock down to creek
Traffic Barrier	Excellent	
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.

New wall and construction looks good. No holes in the geosynthetic observed, no foundation sagging or any other observed failed elements. Unclear if foundation is drilled and blasted flat or if it's sitting on the steep rock and being held by the pinned in gabions. Construction records should be acquired.

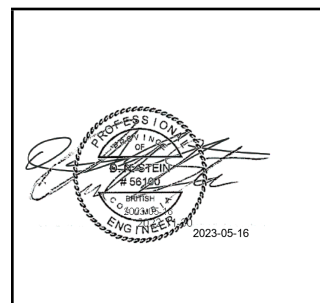
Sketch (Select Signature)

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
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Monitoring

Item	Frequency	Description	Ministry Engineer Comment
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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Ministry Engineer Review

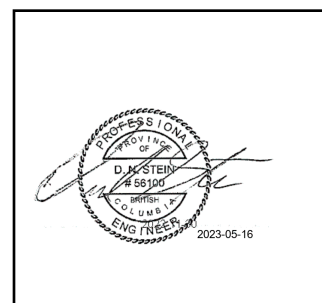
Name of Professional Engineer	<u>Daniel Stein P.Eng.</u>
Recommended inspection frequency	<u>1 year</u>
Recommended year of next inspection	<u>2024</u>

Professional Engineer Comments

Recommending 1 year frequency until confirmation of steepness of foundation.

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



Geosynthetic and welded wire mesh



From woods approach and cross ditch



Steeply dipping basal plane wall is founded on



Wall facing and gabion foundation

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