

RWC-1010 2023 Inspection

Hunter 4.1km



RWIP Offline v7 TEST 2

Retaining Wall Inventory Data

Existing Data

Updated Data

Structure Number RWC-1010

User km 4.1

Project File # 6086.01

FSR Name Hunter

District Chilliwack

Road Responsibility DCK (Chilliwack)

Design Function Fill Slope

Design Function Other

Structure Type Gravity

Structure Type Other

Facing Type Gabion Basket

Facing Type Other

Year Installed 2000

Last Inspection 2020

Design Info Available No

Latitude 49.330769

Longitude -121.548637

Measurements

Max. Length (m) 8

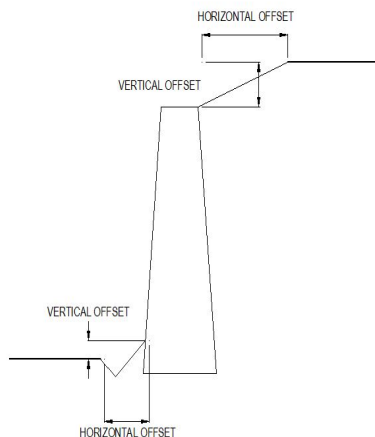
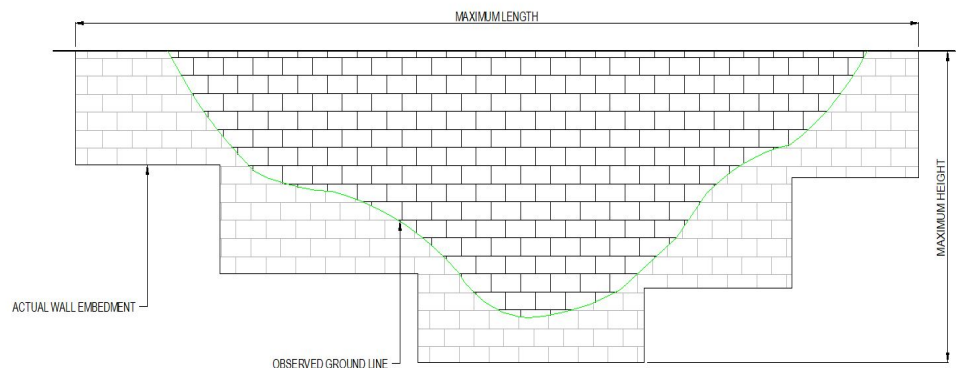
Max. Height (m) 2.5

Vertical Offset (m)

Horizontal Offset (m) 2

Barrier Length (m)

Road Width (m)



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Primary Elements

	Rating	Comments
Retaining Wall Structure	Fair	There's some bulging in the gabions as well as some potential that the foundation is beginning to erode.
Drainage System	Fair	Ditch on road, drain through gabion.
Foundation Material	Poor	Erodible channel. Looks to be some sag under middle gabion.
Wall Movement Indicators	Fair	Potential sag under middle.

Secondary Elements

	Rating	Comments
Surface Drainage	Good	Well established ditch.
Road	Good	
Lateral Slope	Fair	
Upslope	Good	
Downslope	Poor	Erodible and steep.
Traffic Barrier	Poor	Doesn't exist
Signage Delineators		
Vegetation	Yes	Vegetation not being established under wall indicating wash outs.

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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	Fair
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.

Foundation on gabions appears to be eroding and this wall should be inspected annually.

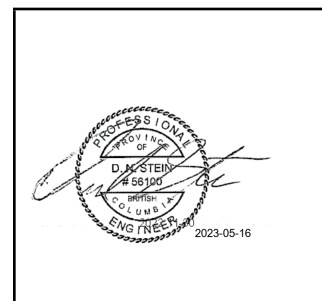
Sketch (Select Signature)

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				

Monitoring

Item	Frequency	Description	Ministry Engineer Comment
1	1 year	Monitor annually	

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Ministry Engineer Review

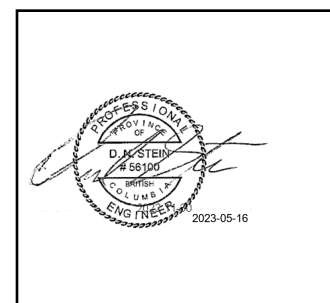
Name of Professional Engineer	<u>Daniel Stein P.Eng.</u>
Recommended inspection frequency	<u>1 year</u>
Recommended year of next inspection	<u>2024</u>

Professional Engineer Comments

Gabion gravity wall showing some undermining.

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



Gabions on steep foundation



From woods approach



Erosion at base



Upslope

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