

# CULVERT INSPECTION FORM

**BRF-03b**

District Upper Hutt City

Road Pinehaven Road RP 0 km No. of Lanes 2

Culvert No. \_\_\_\_\_ Waterway Name Pinehaven Stream

Size 3.05m Wide x 1.5m High Length (Invert) \_\_\_\_\_ Depth Cover 1m +

Culvert Type/Material In Situ Concrete Reviewed by \_\_\_\_\_ Date \_\_\_\_\_

Inspected by A.K. Ross Date 2/9/2020 *(Bridge Inspection Engineer)*

General		
1.	Appearance	2
2.	Approach adequacy	2
3.	Signs	N
4.	Road safety barriers / handrails	4
5.	Road drainage / scouring	3
6.	Settlement/Stability	1

Metal Culvert			
18.	Condition of coatings	N	
19.	Corrosion	N	
20.	Fixings	N	
21.	Concrete invert	N	
22.	Head / wing walls	N	
23.	Other defects	N	

Scour and Waterway		
7.	River aggrading	1
8.	River degrading	1
9.	Waterway adequate	2
10.	Erosion of inlet / outlet	1
11.	Other erosion scour risks	3

Concrete Culvert			
24.	Cracking	2	M
25.	Spalling	1	N
26.	Reinforcing corrosion		U
27.	Abrasion / joints		N
28.	Head / wing walls	1	M
29.	Other defects		N

Timber or Earth Culvert		
N12.	Decay	N
13.	Supports / warping / cracking	N
14.	Bolts & spikes	N
15.	Erosion / fretting	N
16.	Head / wing walls	N
17.	Other defects	N

Marking Code			
Excellent	1	Urgent <u>Action</u> (provide comment)	A
Good	2	<u>Monitor Next Inspection</u>	M
Average	3	<u>Routine Maintenance</u> (provide comment)	R
Poor	4	<u>Structural Maintenance</u> (provide comment)	S
Very Poor	5	<u>Not Applicable / Not Inspected</u>	N
Unknown	U		

Has remedial work recommended last inspection been completed? Yes / No  
*(Comment if answer is NO) Unknown*

Overall Condition Category					
Excellent (E)	Good (G)	Average (A)	Poor (P)	Very Poor (VP)	G
Expected life (yrs)	>40,	20-40,	10-20,	<10	35

Item	Brief Description of Fault and Recommendations for Repair and Urgency	Urgency	Cost Estimate
24	Crack Weeping with Efflorescence	M	200
24	Honeycomb Holes in soffit	M	200
9	Debris build up at inlet	R	600
11	Large pipe next to Wing Wall at inlet is scoured and dropped	R	3000
1	Graffiti	R	500
4	Safety Barriers (current fences and posts inadequate) Install U/S side	A	15000

## Pinehaven Stream Culvert - Pinehaven Road 0 km



Inlet showing debris build up and scour underneath large pipe



Inlet showing Headwall and wing wall



Outlet showing headwall and wing walls



Inlet showing graffiti



Soffit crack showing honeycomb and efflorescence



Crack 2 showing efflorescence and graffiti