

Technical Memo

OPOTIKI DISTRICT COUNCIL

Structures in the Coastal Marine Area within the Ohiwa Harbour Resource Consent - Further Information Requirements

BOPRC Plan Number RM16-0129/1



TO: David Greaves and Sue Southerwood
FROM: Kathryn Maguire - Planner

HG PROJECT NO : 1720-138639-01
DATE: June 2016

1.0 INTRODUCTION

Further to the section 92 letter dates 13 April 2016 and subsequent discussions surrounding those requirements we have provided the following information:

1. Exact locations of each of the structures including maps **Appendix 1**
2. An assessment of the condition of each of the structures
3. Any required maintenance or repairs and for future ongoing inspection and a schedule for those repairs being undertaken
4. A brief of which rule each structure requires resource consent under

2.0 CURRENT ASSESSMENT & LOCATION OF STRUCTURES

The following table provides the location (GPS co-ordinates) and the current condition of each of the structures. The condition of the structure has been ranked from 1 - 5, this ranking corresponds to the following conditions level:

1. **Very Good Condition** - Only normal maintenance required
2. **Minor Defects Only** - Minor maintenance required (5%)
3. **Maintenance Required to Return to Accepted Level of Service** - Significant maintenance required
4. **Requires Renewal** - Significant renewal/upgrade required (20 - 40%)
5. **Asset Unserviceable** - Over 50% of asset requires replacement

Site No	Condition Rating of Structures by the sea
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	Road Name	Culvert					Structure					Condition of Structure		Comments	# on post
		RP	Type	Material	Length	Outlet Type	GPS - Wall Start	GPS - Outlet	GPS - Wall End	Length (m)	Material	Condition	Date		
1	Ruatuna Road	258	Culvert	Concrete	20	No	-	1965002 5781755	-			1	3/06/2016	Can't see wall - over grown	228
2	Ruatuna Road	706	Culvert	Concrete	15.5	Other Structure	1964694 5782024	1964697 5782027	1964690 5782025	4		1	3/06/2016		667
3	Ruatuna Road	706	Wall			-	1964640 5782063	-	1964750 5781990	110	Rip Rap	1	3/06/2016		
4	Ruatuna Road	1511	Culvert	Concrete	29	No	-	1964431 5782363	-			-	3/06/2016	Sea wall on private property	1475
5	Ruatuna Road	1972	Culvert	Concrete	19	No	-	1963816 5782770	-			1	3/06/2016	Can't see wall but not effecting road	1932
6	Ōhiwa Loop Road	968	Culvert	Concrete	10	Headwalls (Concrete)	1963862 5784387	1963865 5784391	1963873 5784391	11	Rip Rap	1	3/06/2016		252
7	Ōhiwa Loop Road	1168	Culvert	Concrete	10	Headwalls (Concrete)	1963967 5784508	1963968 5784543	1963971 5784573	65	Rip Rap	3	3/06/2016	Scouring behind wall getting close to road	1328
8	Ōhiwa Loop Road	1887	Wall			-	1963778 5785205	-	1963887 5785358	188	Rip Rap	1	3/06/2016		
9	Ōhiwa Loop Road	2483	Culvert	Concrete	11	Sandbags	1964154 5785200	1964157 5785201	1964159 5785202	5	Sand bags	1	3/06/2016		985
10	Ōhiwa Loop Road	2634	Culvert	Concrete		No	1964249 5785097	1964252 5785094	1964254 5785095	4.5	Sand bags	1	3/06/2016		
11	Ōhiwa Loop Road	2778	Culvert	Concrete	12.5	Headwalls (Concrete)	-	1964389 5785071	-	2		1	3/06/2016		675
12	Ōhiwa Loop Road	3375	Culvert	Concrete	10.5	Headwalls (Concrete)	1964770 5784860	1964787 5784862	1964868 5784860	98.5	Rip Rap	1	3/06/2016		82
13	Reeves Road	838	Culvert	Concrete	12	No	1965150 145784882	1965152 5784883	1965153 5784883	3	???	1	3/06/2016		

14	Reeves Road	482	Culvert	Concrete	9.5	No	-	1965377	-			1	3/06/2016	Can't see wall but not effecting road	
								5785122							
15	Ōhiwa Harbour Road	2075	Culvert	Concrete	13	No	-	1965589	-	3	Riprap/footpath	1	3/06/2016		2058
								5785537							
16	Ōhiwa Harbour Road	3175	Culvert	Concrete	12.5	Headwalls (Concrete)	-	1965578	-	7	Riprap	2	3/06/2016	Scouring behind wall to be monitored	3154
								5786505							
17	Ōhiwa Harbour Road	3531	Culvert	Concrete	12.5	Headwalls (Concrete)	-	1965518	-	5	Riprap	1	3/06/2016		3486
								5786816							


3.0 MAINTENANCE OF STRUCTURES

The culvert located at site 7 and riprap wall at site 16 require maintenance to return to the required level of service. As the repair work required to these structures is not considered to be urgent the repairs will be undertaken by the end of 2017.

The general maintenance and inspection of the structures are undertaken every three years

4.0 CONSENT REQUIREMENTS & SITE PHOTOS

The following tables provide an assessment of which relevant provision of the Regional Coastal Environment Plan applies to each individual structure. All of the sites with the exception of site -4 which is within the Coastal Habitat Protection Zone are located within the Coastal Management Zone.

STRUCTURE NO#	RELEVANT RULES	PLANNING MAP	PHOTO / LOCATION
1. Culvert	Occupation of Space Rule 17 - The occupation of land and any related part of the coastal marine area, which is land of the Crown,		

or is vested in Environment Bay of Plenty Construction / Maintenance Rule 31 - The erection, reconstruction, placement, alteration, extension, demolition, removal or abandonment of any structure, not expressly provided for or prohibited by other rules of this plan. Disturbance (during maintenance or repairs) Rule 50 - Where a rule in this plan states that the erection, reconstruction, placement, alteration, extension, demolition, removal or abandonment of any structure is a discretionary



	<p>activity, then so is deposition on and disturbance of the foreshore or seabed for that purpose.</p>		
<p>2. Culvert</p>	<p><u>Occupation of Space</u> Rule 17 - The occupation of land and any related part of the coastal marine area, which is land of the Crown, or is vested in Environment Bay of Plenty <u>Construction / Maintenance</u> Rule 31 - The erection, reconstruction, placement, alteration, extension, demolition, removal or abandonment of any structure, not expressly provided for or prohibited by other rules</p>		 

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Disturbance
(during
maintenance
or repairs)
Rule 50 -
Where a rule
in this plan
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erection,
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n, placement,
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that purpose.



3. Rock wall

Occupation of Space
Rule 17 - The occupation of land and any related part of the coastal marine area, which is land of the Crown, or is vested in Environment Bay of Plenty
Construction / Maintenance
Rule 31 - The erection, reconstruction, placement, alteration, extension, demolition, removal or abandonment of any structure, not expressly provided for or prohibited by other rules of this plan.
Disturbance (during maintenance or repairs)
Rule 50 - Where a rule in this plan states that the erection,



reconstruction, placement, alteration, extension, demolition, removal or abandonment of any structure is a discretionary activity, then so is deposition on and disturbance of the foreshore or seabed for that purpose.



4. Culvert

Occupation of Space

Rule 17 - The occupation of land and any related part of the coastal marine area, which is land of the Crown, or is vested in Environment Bay of Plenty

Construction / Maintenance

Rule 33 - Notwithstanding Rule 13.2.4(l), the erection, reconstruction, placement, alteration, extension, demolition, removal or abandonment of any of the following structures;

- Structures for the ...
 - Structures for the...; or
- Structures erected,



CHPZ - 36



reconstructed,
place,
altered
or
extended prior
to the
date on
which
this
plan
was
publically
notified

Disturbance
(during
maintenance
or repairs)

Rule 50 -
Where a rule
in this plan
states that the
erection,
reconstruction,
placement,
alteration,
extension,
demolition,
removal or
abandonment
of any
structure is a
discretionary
activity, then
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deposition on
and
disturbance

	<p>of the foreshore or seabed for that purpose.</p>		
<p>5. Culvert</p>	<p><u>Occupation of Space</u> Rule 17 - The occupation of land and any related part of the coastal marine area, which is land of the Crown, or is vested in Environment Bay of Plenty <u>Construction / Maintenance</u> Rule 31 - The erection, reconstruction, placement, alteration, extension, demolition, removal or abandonment of any structure, not expressly provided for or prohibited by other rules of this plan. <u>Disturbance (during maintenance</u></p>		

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6. Culvert

Occupation of Space

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Construction / Maintenance

Rule 31 - The erection, reconstruction, placement, alteration, extension, demolition, removal or abandonment of any structure, not expressly provided for or prohibited by other rules of this plan.

Disturbance (during maintenance or repairs)

Rule 50 - Where a rule in this plan states that the erection,



<p>reconstruction, placement, alteration, extension, demolition, removal or abandonment of any structure is a discretionary activity, then so is deposition on and disturbance of the foreshore or seabed for that purpose.</p>		
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7. Culvert

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Construction / Maintenance
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Disturbance (during maintenance or repairs)
Rule 50 - Where a rule in this plan states that the erection,



SSCMA - 42
SSL - 63



<p>reconstruction, placement, alteration, extension, demolition, removal or abandonment of any structure is a discretionary activity, then so is deposition on and disturbance of the foreshore or seabed for that purpose.</p>		
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**7b.
Rock
Wall**

Occupation of Space
Rule 17 - The occupation of land and any related part of the coastal marine area, which is land of the Crown, or is vested in Environment Bay of Plenty
Construction / Maintenance
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Disturbance (during maintenance or repairs)
Rule 50 - Where a rule in this plan states that the erection,



SSCMA - 42
SSL - 63



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**8.
Rock
Wall**

Occupation of Space
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Construction / Maintenance
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9. Culvert

Occupation of Space

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Construction / Maintenance

Rule 31 - The erection, reconstruction, placement, alteration, extension, demolition, removal or abandonment of any structure, not expressly provided for or prohibited by other rules of this plan.

Disturbance (during maintenance or repairs)

Rule 50 - Where a rule in this plan states that the erection,



SSCMA - 44



<p>reconstruction, placement, alteration, extension, demolition, removal or abandonment of any structure is a discretionary activity, then so is deposition on and disturbance of the foreshore or seabed for that purpose.</p>		
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**10
Culvert**

Occupation of
Space

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Construction / Maintenance

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11. Culvert

Occupation of Space

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Construction / Maintenance

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12
Culvert

Occupation of Space

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Disturbance (during maintenance or repairs)

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12b

Occupation of Space

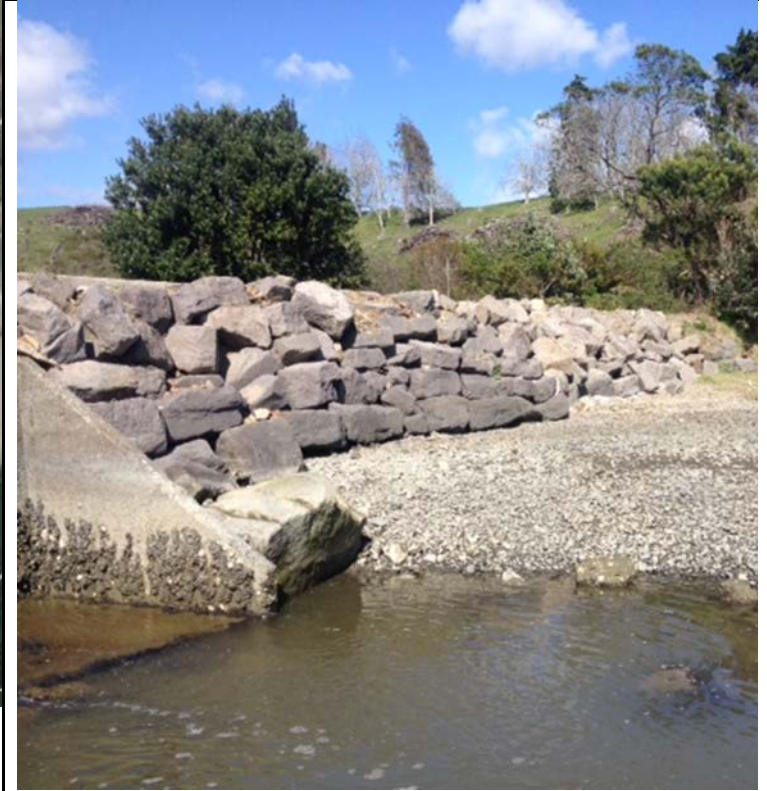
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Construction / Maintenance

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13.
Culvert

Occupation of Space

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Disturbance (during maintenance or repairs)

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No Photo.

	<p>reconstruction, placement, alteration, extension, demolition, removal or abandonment of any structure is a discretionary activity, then so is deposition on and disturbance of the foreshore or seabed for that purpose.</p>		
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<p>17. Culvert</p>	<p><u>Occupation of Space</u> Rule 17 - The occupation of land and any related part of the coastal marine area, which is land of the Crown, or is vested in Environment Bay of Plenty <u>Construction / Maintenance</u> Rule 31 - The erection, reconstruction, placement, alteration, extension, demolition, removal or abandonment of any structure, not expressly provided for or prohibited by other rules of this plan. <u>Disturbance (during maintenance or repairs)</u> Rule 50 - Where a rule in this plan states that the</p>		
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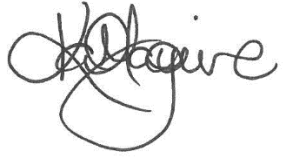
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5.0 CONCLUSION

Based on the information that we have provided above, I hope that this satisfies the further information request. Please feel free to contact me should you require any further information.

Kind Regards

A handwritten signature in black ink, appearing to read 'Kathryn Maguire'. The signature is fluid and cursive, with the first letter 'K' being particularly large and stylized.

Kathryn Maguire