

Notes:

- This plan shall be read in conjunction with Revision 4 of the Erosion and Sediment Control Plan report issued by Holmes Consulting.
- The contractors construction methodology and Erosion and Sediment Control Plan shall consider the notes included on this drawing.
- Cut and fill batter slopes at 3H:1V.
- No bulking factors are included in cut fill volumes.
- Contours at 1m intervals.
- Stabilisation shall be undertaken during construction of the road when it is not being worked on.
- All erosion and sediment control devices and structures should be inspected in accordance with the inspection frequency specified in the ESCP report. Repair or replace any damaged components immediately. Undertake additional checks before any forecast rain or strong wind events to ensure the site is stabilised and erosion & sediment control measures are in good condition. As site works progress, adapt the erosion & sediment control measures to suit the works.
- Minimise the area of exposed soil at all times. Consider construction phasing/staging to avoid large areas of exposed soil. Stabilise all exposed surfaces as soon as possible following earthworks (e.g. mulching, geotextiles or hydroseeding)
- Prevent clean water from entering the construction zone by adopting the appropriate upstream boundary controls (earth bunding and/or diversion channels).
- Proposed cut material is to be removed from site and disposed of at nominated areas. Some material should be stockpiled on site for surface reinstatement. Contractor to plan and identify stockpile erosion protection (i.e. silt fences around stockpiles, covering with polyethylene sheets or geotextile, smooth over etc.)
- Access for construction traffic as indicated. Monitor the construction access daily to ensure no sediment is tracked onto surrounding roads. Provide wheel wash facilities at the construction access, if necessary. All dirty water from wheel wash facilities to be directed to treatment facility.
- Use watering of exposed surfaces as required to control dust in dry, windy conditions.
- All sediment control devices to be maintained until the construction area has been stabilised with topsoil and minimum grass cover of 75mm compacted hardfill or fully sealed (asphalt/paving).
- Geotextile lined earth bunds shall be installed to divert water from the silt fences. Layout on drawing is conceptual and will be revised by the contractor based on construction programme and methodology.
- Subsoil drainage and dewatering of perched ground may be required prior to commencement of works onsite. Alternative ground water control measures may need to be in place by the contractor for when ground water is encountered.
- A fresh water assessment by a suitably qualified ecologist shall be undertaken prior to construction of the culvert. This shall include advice on control measures during extension of the culverts.

Surface Analysis: Elevation Ranges

Number	Color	Minimum Elevation (m)	Maximum Elevation (m)
1	Dark Red	-4.000	-3.000
2	Red	-3.000	-2.000
3	Red-Orange	-2.000	-1.000
4	Orange	-1.000	0.000
5	Light Green	0.000	1.000
6	Green	1.000	2.000
7	Dark Green	2.000	3.000
8	Very Dark Green	3.000	4.000
9	Black	4.000	5.000

Indicative staging plan
1: 6000

legend:

- Stage 1
 - Contours major (existing)
 - Proposed subdivision lot boundaries
 - Disturbed areas (proposed)
 - Potential fill area
 - Super silt fence
 - Stage 2
 - Contours minor (existing)
 - Building platforms (proposed)
 - Pong's Creek Clutha Flathead Preservation Corridor
 - Potential Contractor site compound
 - Clean water diversion bund
 - Lot boundary (existing)
 - Curtilage Areas
 - Existing right of way
 - Stabilized entrance way
 - Stage 3
 - Adjacent lot boundary (existing)
- All dimensions to be verified on site before making any shop drawings or commencing any work

This drawing set contains colour. All reproduction to be in colour. The copyright of this drawing remains with Holmes Consulting Group LP

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Rev</th> <th>Date</th> <th>Appd</th> <th>Reason</th> </tr> <tr> <td>6</td> <td>2022-04-22</td> <td>GWF</td> <td>Consent</td> </tr> </table>	Rev	Date	Appd	Reason	6	2022-04-22	GWF	Consent	<p>Consultants</p> <p>Baxter Design Group Ltd Landscape Architect</p> <p>Geosolve Ltd Geotech</p> <p>Origin Consultants Ltd Archaeological</p>	<p>Environmental Associates Ltd Water Supply</p> <p>Bartlett Consulting Traffic</p> <p>E3 Scientific Contamination and Ecology</p>		<p>Holmes Consulting 39 Market Place Auckland 1010 New Zealand HolmesConsulting.co.nz T: +64 9 965 4789</p>	<p>McDOUGALL'S BLOCK PROJECT ROBERTS FAMILY TRUST QUEENSTOWN</p>	<p>Sheet Title</p> <p>proposed overall erosion and sediment control plan</p>	<p>Drawn JW</p> <p>Scale 1:2000 (at A1)</p> <p>Filename 138332.00 P - C23 ESCP.dwg</p> <p>Job No</p> <p>Sheet No</p> <p>Rev</p>
Rev	Date	Appd	Reason												
6	2022-04-22	GWF	Consent												
<p>138332.00 C23-01</p>							<p>6</p>								

Appendix 6

Concept Road Longsections

Version 7
19 July 2022
138332.00





FOR INFORMATION

All dimensions to be verified on site before making any shop drawings or commencing any work

This drawing set contains colour. All reproduction to be in colour. The copyright of this drawing remains with Holmes Consulting Group LP.

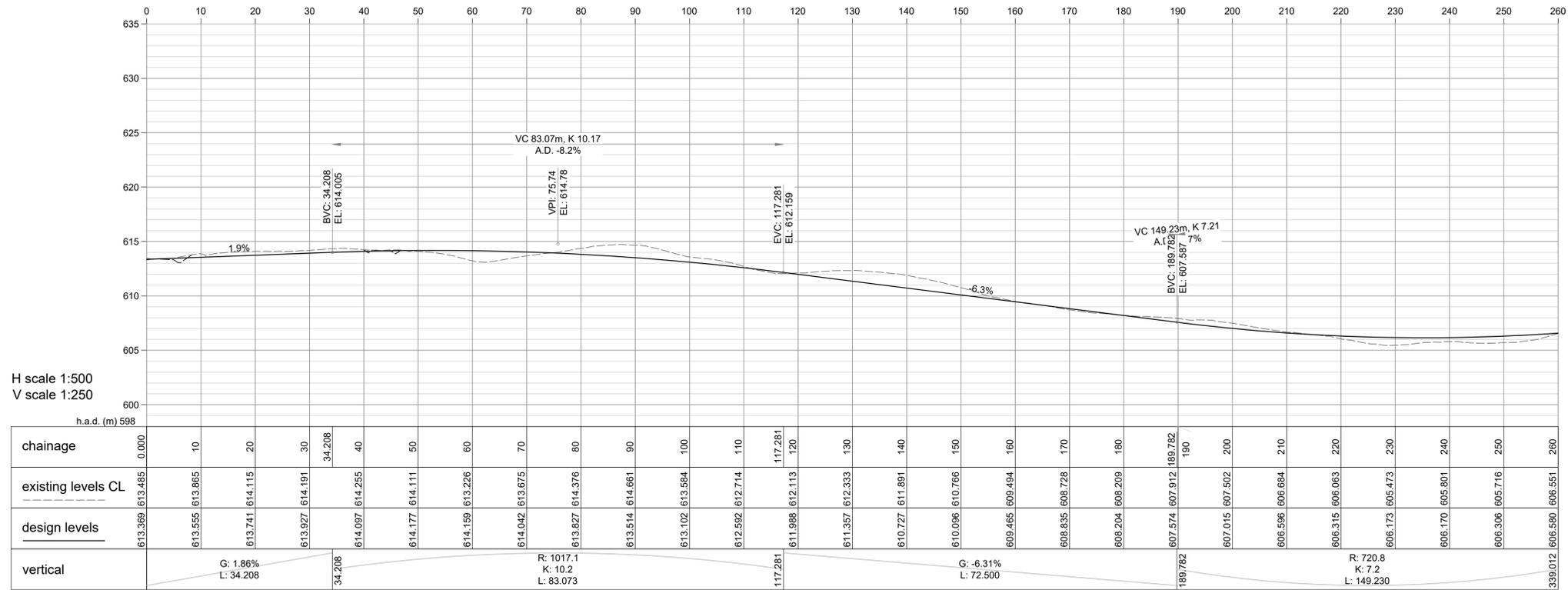
Holmes	PROJECT: McDougall's Block
JOB NO: 138332.00	DATE: 19/07/2022
CSK: 005 - Road Layout	REV: 1

Consultants	Environmental Associates Ltd Water Supply
Baxter Design Group Ltd Landscape Architect	Bartlett Consulting Traffic
Geosolve Ltd Geotech	E3 Scientific Contamination and Ecology
Origin Consultants Ltd Archaeological	

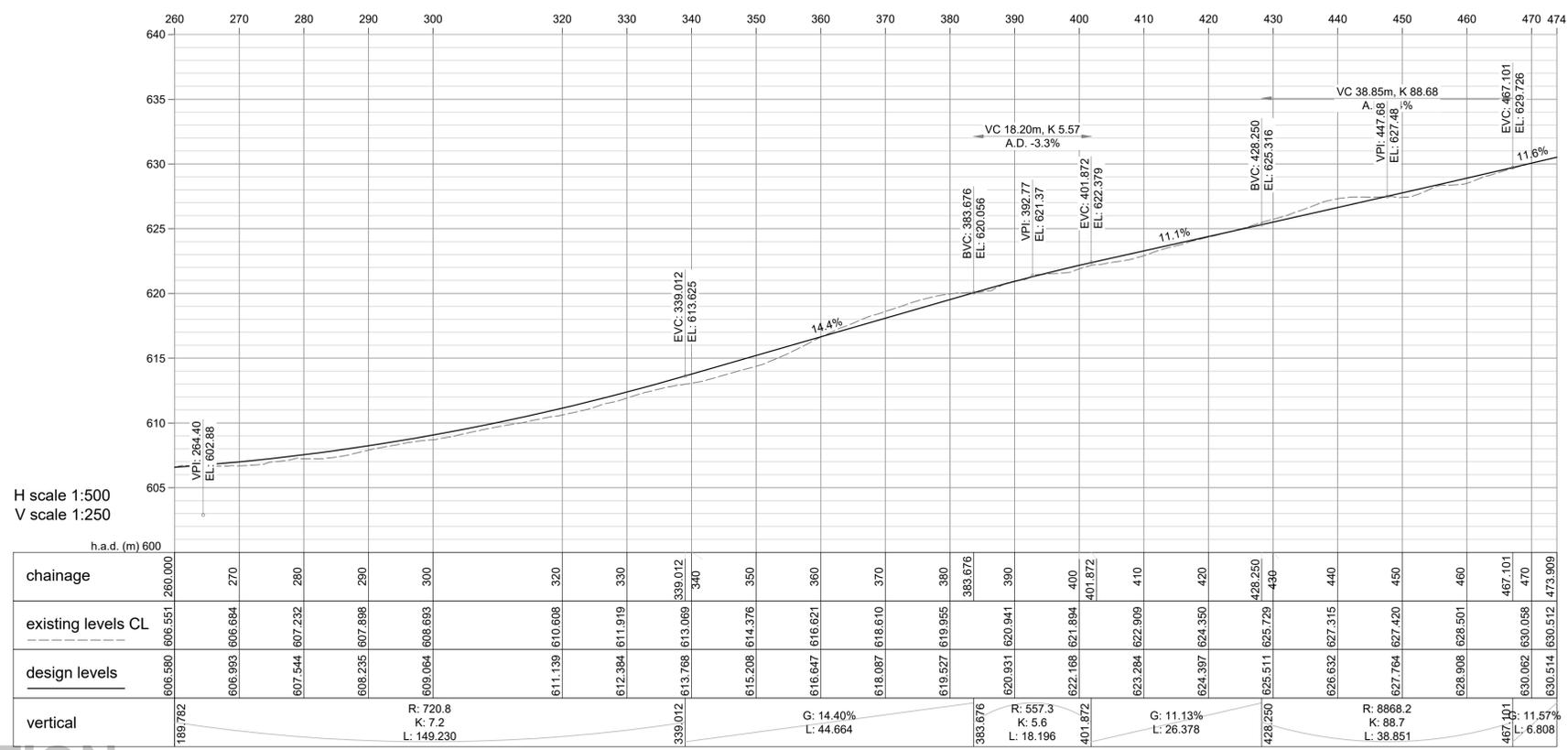


**ROBERTS DEVELOPMENT
CURTIS ROAD
QUEENSTOWN**

Sheet Title	Drawn	Scale	nts	(at A1)
M - road layout	Filename	138332.00 M - Earthworks altered design jav_1 (3m)		
	Job No	Sheet No		Rev
				138332.00 M -Road layout



Road 1 long section



Road 1 long section

FOR INFORMATION

This drawing set contains colour. All reproduction to be in colour. The copyright of this drawing remains with Holmes Consulting Group LP

PROJECT: McDougall's Block
 JOB NO: 138332.00 DATE: 10/07/2020
 CSK: 003 - Longsections REV: 1

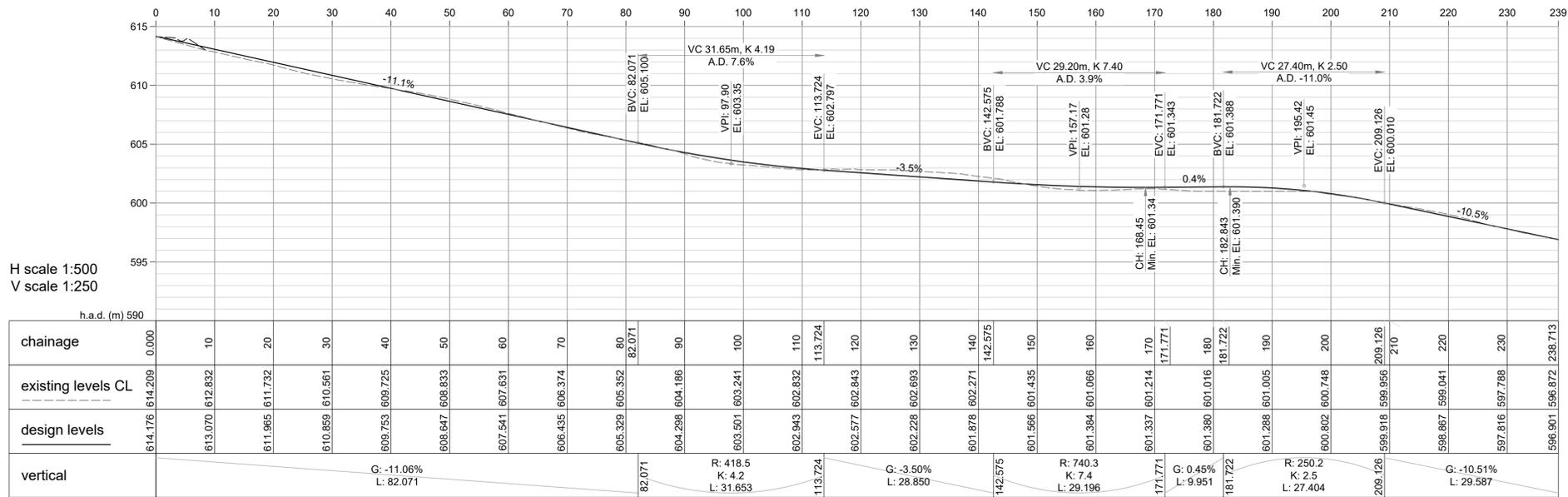
Consultants
 Baxter Design Group Ltd
 Landscape Architect
 Geosolve Ltd
 Geotech
 Origin Consultants Ltd
 Archaeological
 Environmental Associates Ltd
 Water Supply
 Bartlett Consulting
 Traffic
 E3 Scientific
 Contamination and Ecology



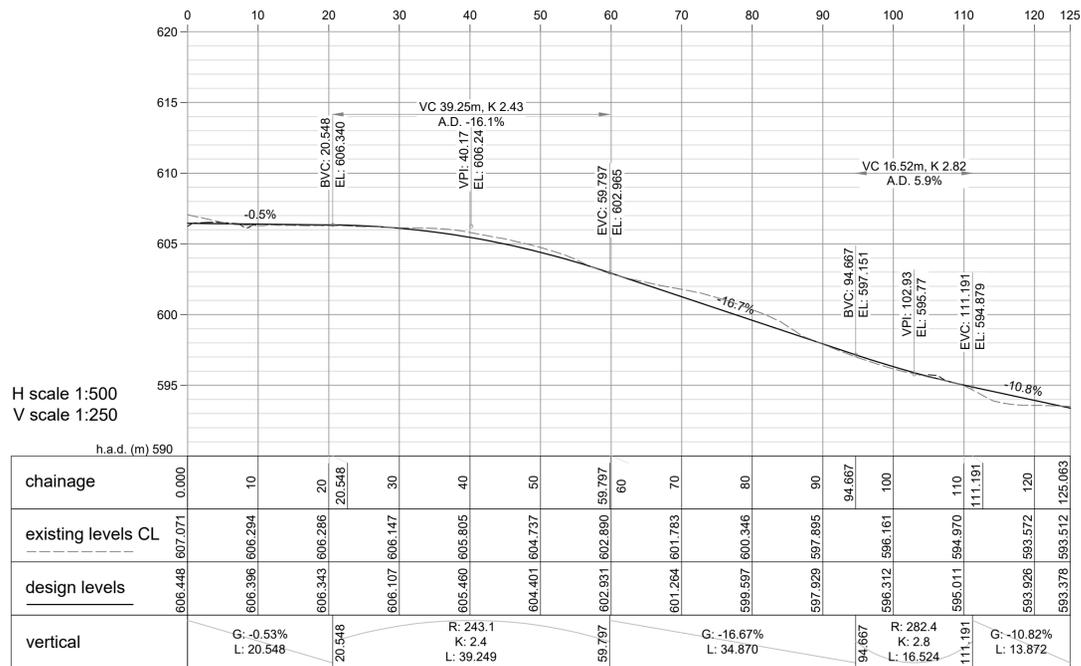
ROBERTS DEVELOPMENT
 CURTIS ROAD
 QUEENSTOWN

Sheet Title
 Sections 1

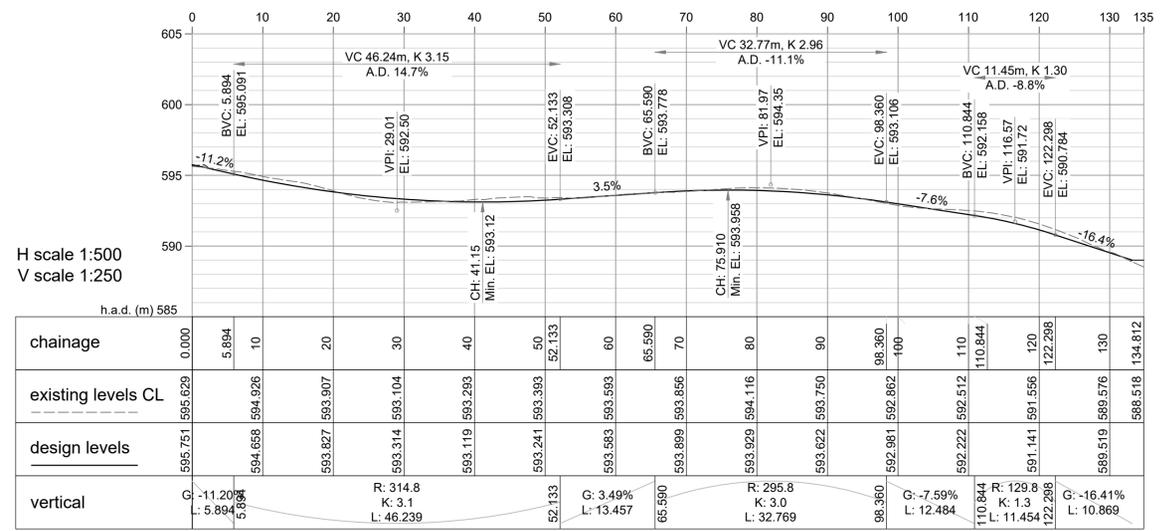
Drawn JV	Scale 1:500	(at A1)
Filename 138332.00 M - Earthworks altered design jav_1.dwg		
Job No	Sheet No	Rev
138332.00 Sections 1		1



Road 2 long section



Road 3 long section



Road 4 long section

FOR INFORMATION

All dimensions to be verified on site before making any shop drawings or commencing any work

PROJECT: McDougall's Block
 JOB NO: 138332.00 DATE: 10/07/2020
 CSK: 004 - Longsections REV: 1

Consultants
 Baxter Design Group Ltd
 Landscape Architect
 Geosolve Ltd
 Geotech
 Origin Consultants Ltd
 Archaeological
 Environmental Associates Ltd
 Water Supply
 Bartlett Consulting
 Traffic
 E3 Scientific
 Contamination and Ecology

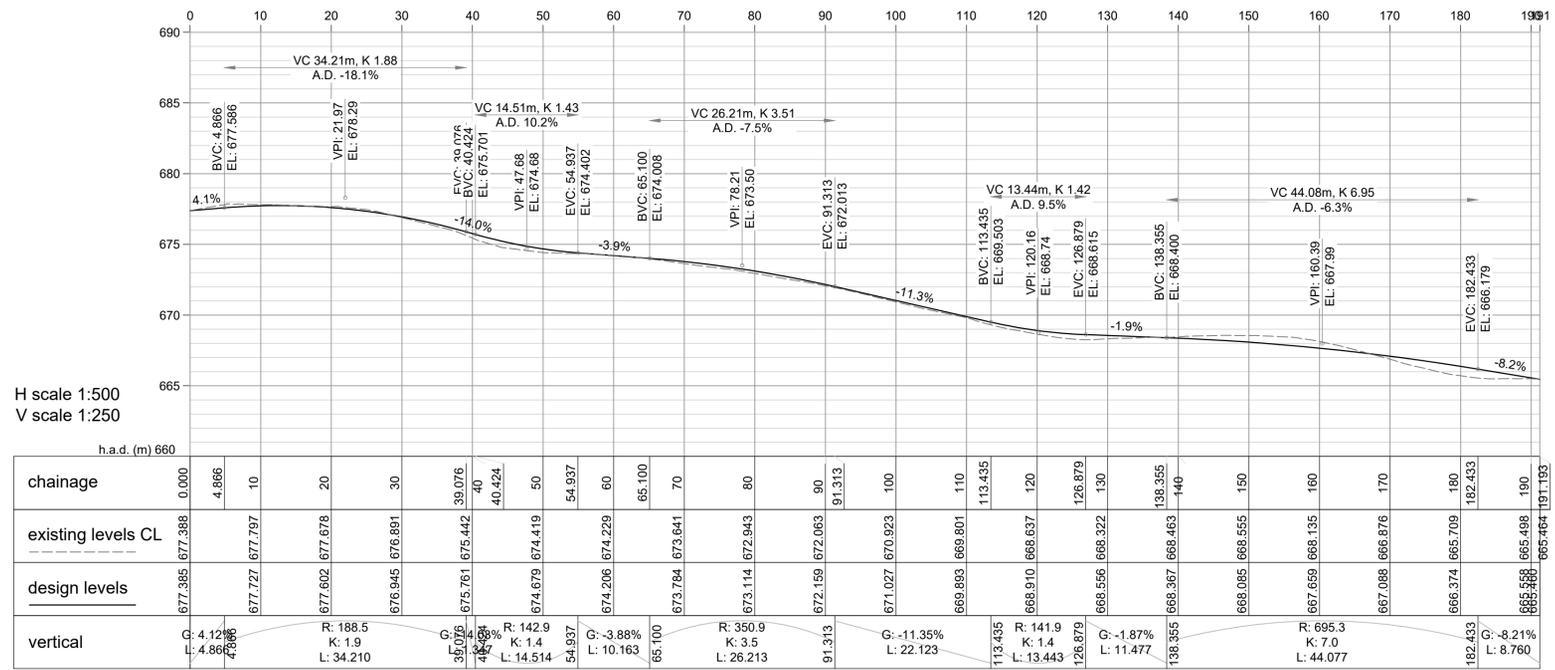


ROBERTS DEVELOPMENT
 CURTIS ROAD
 QUEENSTOWN

Sheet Title
 Sections 2

This drawing set contains colour.
 All reproduction to be in colour.
 The copyright of this drawing remains with Holmes Consulting Group LP

Drawn JV Scale 1:500 (at A1)
 Filename 138332.00 M - Earthworks altered design jav_1.dwg
 Job No Sheet No Rev
 138332.00 Sections 2 1



H scale 1:500
V scale 1:250

h.a.d. (m) 660

Road 6 long section

FOR INFORMATION

All dimensions to be verified on site before making any shop drawings or commencing any work

This drawing set contains colour. All reproduction to be in colour. The copyright of this drawing remains with Holmes Consulting Group LP

Holmes
 PROJECT: McDougall's Block
 JOB NO: 138332.00 DATE: 10/07/2020
 CSK: 005 - Longsections REV: 1

Consultants
 Baxter Design Group Ltd
 Landscape Architect
 Geosolve Ltd
 Geotech
 Origin Consultants Ltd
 Archaeological
 Environmental Associates Ltd
 Water Supply
 Bartlett Consulting
 Traffic
 E3 Scientific
 Contamination and Ecology

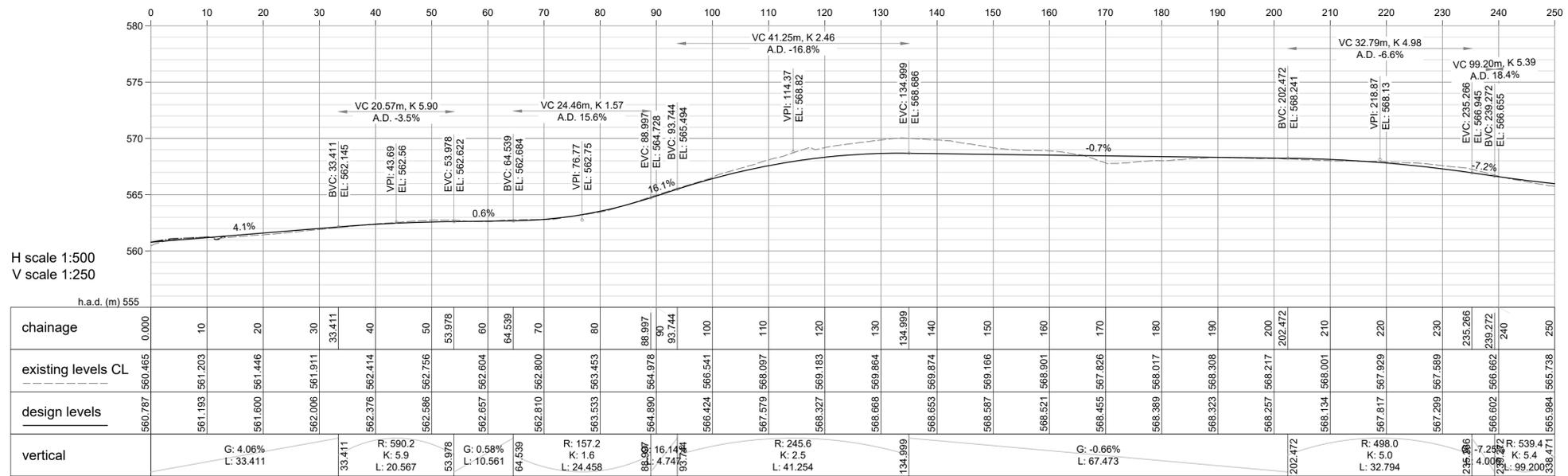
Maestro
 Project Delivery
 maestroprojects.co.nz

Holmes
 Holmes Consulting
 39 Market Place
 Auckland 1010
 New Zealand
 HolmesConsulting.co.nz
 T: +64 9 965 4789

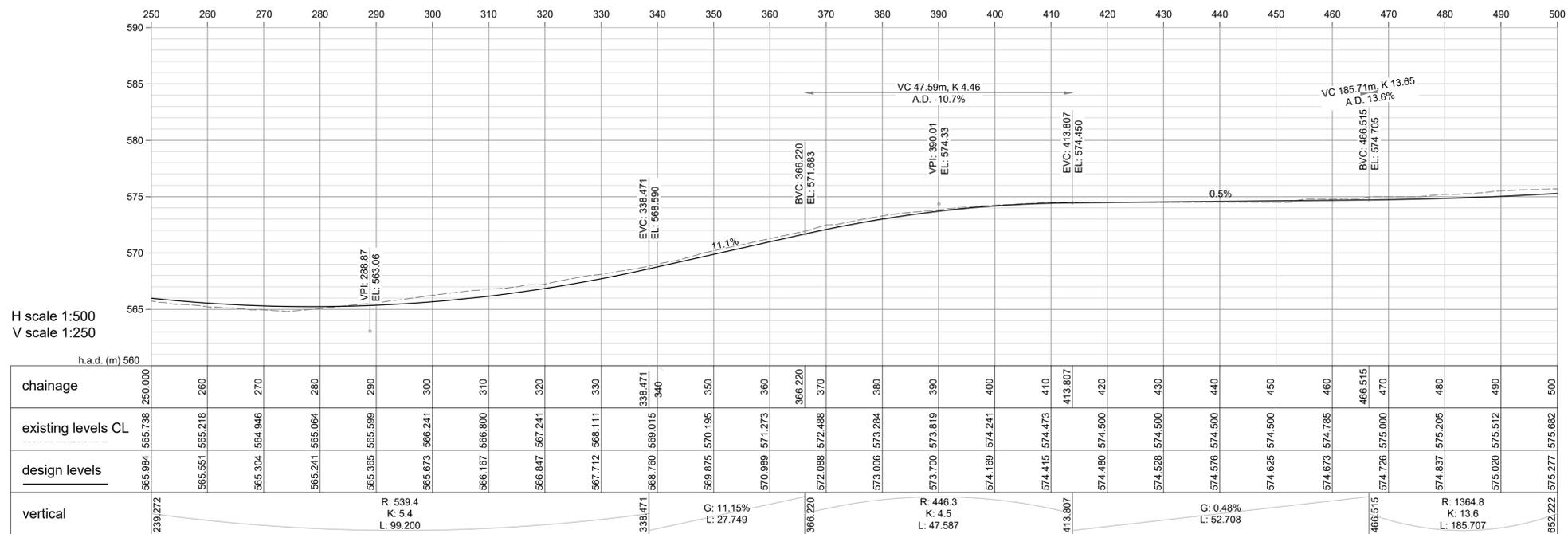
**ROBERTS DEVELOPMENT
 CURTIS ROAD
 QUEENSTOWN**

Sheet Title
Sections 3

Drawn JV Scale 1:500 (at A1)
 Filename 138332.00 M - Earthworks altered design jav_1.dwg
 Job No Sheet No Rev
138332.00 Sections 3 1



Access Road long section



Access Road long section

FOR INFORMATION

All dimensions to be verified on site before making any shop drawings or commencing any work

This drawing set contains colour. All reproduction to be in colour. The copyright of this drawing remains with Holmes Consulting Group LP

Holmes
 PROJECT: McDougall's Block
 JOB NO: 138332.00 DATE: 10/07/2020
 CSK: 006 - Longsections REV: 1

Consultants
 Baxter Design Group Ltd
 Landscape Architect
 Geosolve Ltd
 Geotech
 Origin Consultants Ltd
 Archaeological
 Environmental Associates Ltd
 Water Supply
 Bartlett Consulting
 Traffic
 E3 Scientific
 Contamination and Ecology

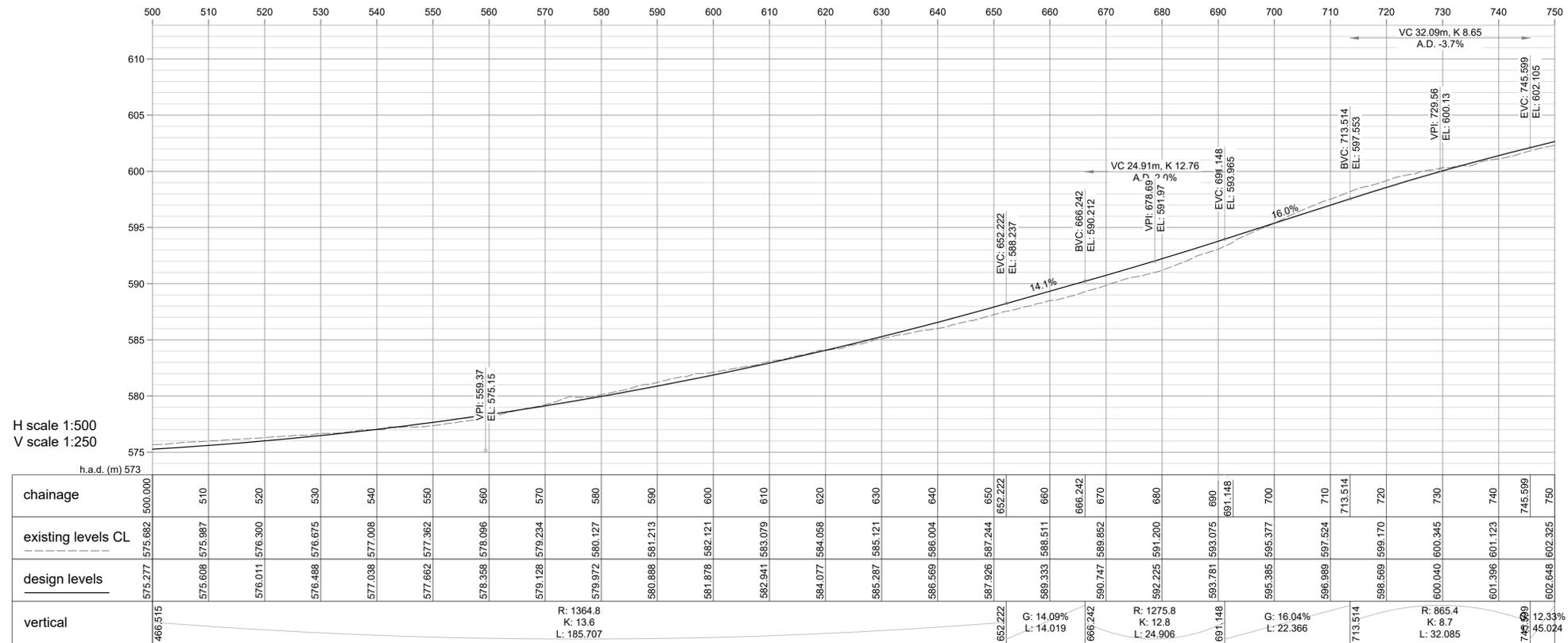
Maestro
 Project Delivery
 maestroprojects.co.nz

Holmes
 Holmes Consulting
 39 Market Place
 Auckland 1010
 New Zealand
 HolmesConsulting.co.nz
 T: +64 9 965 4789

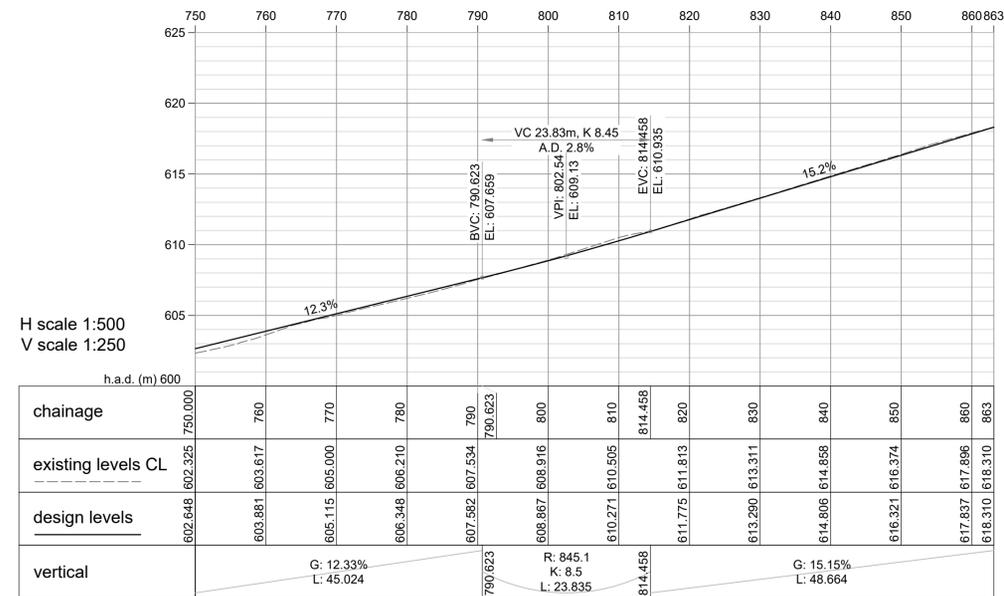
**ROBERTS DEVELOPMENT
 CURTIS ROAD
 QUEENSTOWN**

Sheet Title
Sections 4

Drawn JV Scale 1:500 (at A1)
 Filename 138332.00 M - Earthworks altered design jav_1.dwg
 Job No Sheet No Rev
138332.00 Sections 4 1



Access Road long section



Access Road long section

FOR INFORMATION

All dimensions to be verified on site before making any shop drawings or commencing any work

This drawing set contains colour. All reproduction to be in colour. The copyright of this drawing remains with Holmes Consulting Group LP

PROJECT: McDougall's Block
JOB NO: 138332.00 **DATE:** 10/07/2020
CSK: 007 - Longsections **REV:** 1

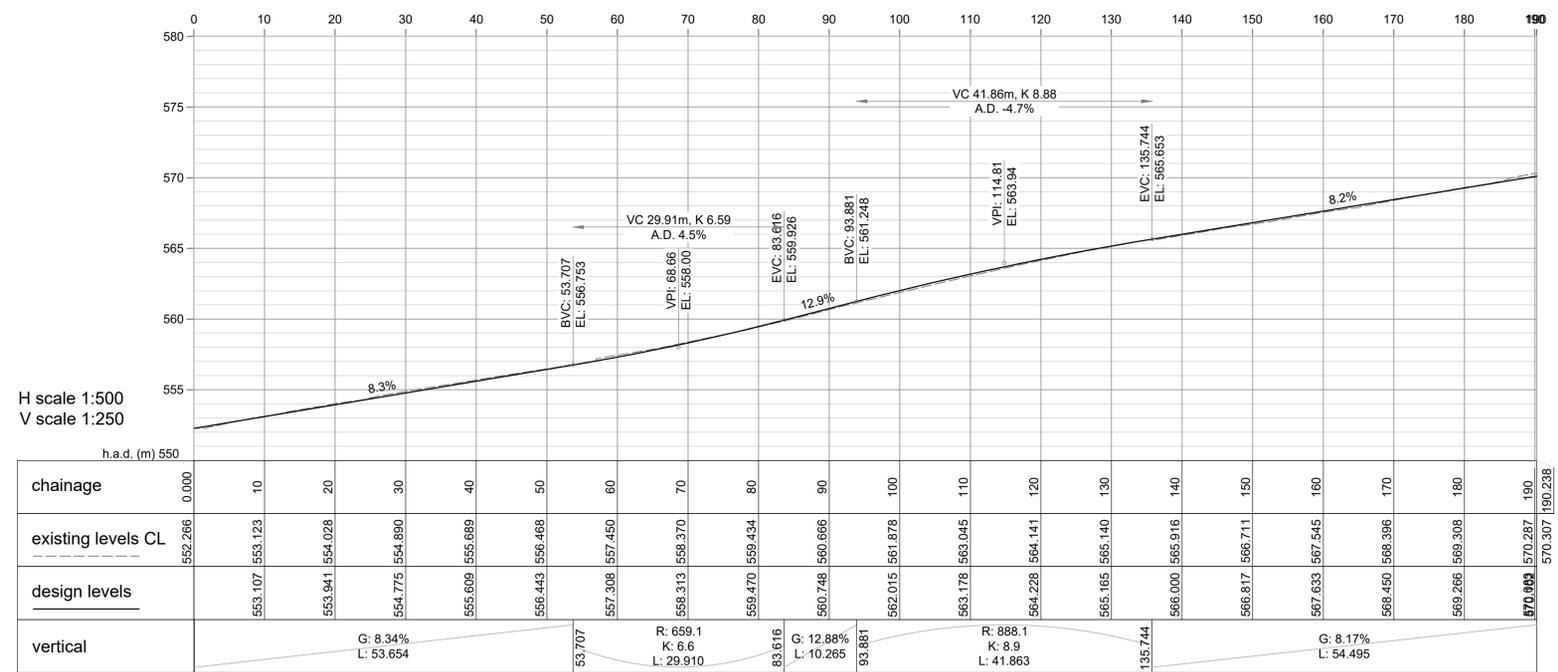
Consultants
 Baxter Design Group Ltd
 Landscape Architect
 Geosolve Ltd
 Geotech
 Origin Consultants Ltd
 Archaeological
 Environmental Associates Ltd
 Water Supply
 Bartlett Consulting
 Traffic
 E3 Scientific
 Contamination and Ecology

Maestro
 Project Delivery
 maestroprojects.co.nz

Holmes
 Holmes Consulting
 39 Market Place
 Auckland 1010
 New Zealand
 HolmesConsulting.co.nz
 T: +64 9 965 4789

**ROBERTS DEVELOPMENT
 CURTIS ROAD
 QUEENSTOWN**

Sheet Title	Drawn JV	Scale 1:500	(at A1)
Sections 5	Filename	138332.00 M - Earthworks altered design jav_1.dwg	
	Job No	Sheet No	Rev
	138332.00 Sections 5		1



Pringles Creek Road long section

FOR INFORMATION

All dimensions to be verified on site before making any shop drawings or commencing any work

This drawing set contains colour. All reproduction to be in colour. The copyright of this drawing remains with Holmes Consulting Group LP

PROJECT: McDougall's Block
JOB NO: 138332.00 **DATE:** 10/07/2020
CSK: 008 - Longsections **REV:** 1

Consultants
 Baxter Design Group Ltd
 Landscape Architect
 Geosolve Ltd
 Geotech
 Origin Consultants Ltd
 Archaeological
 Environmental Associates Ltd
 Water Supply
 Bartlett Consulting
 Traffic
 E3 Scientific
 Contamination and Ecology

Maestro
 Project Delivery
 maestroprojects.co.nz

Holmes
 Holmes Consulting
 39 Market Place
 Auckland 1010
 New Zealand
 HolmesConsulting.co.nz
 T: +64 9 965 4789

**ROBERTS DEVELOPMENT
 CURTIS ROAD
 QUEENSTOWN**

Sections 6

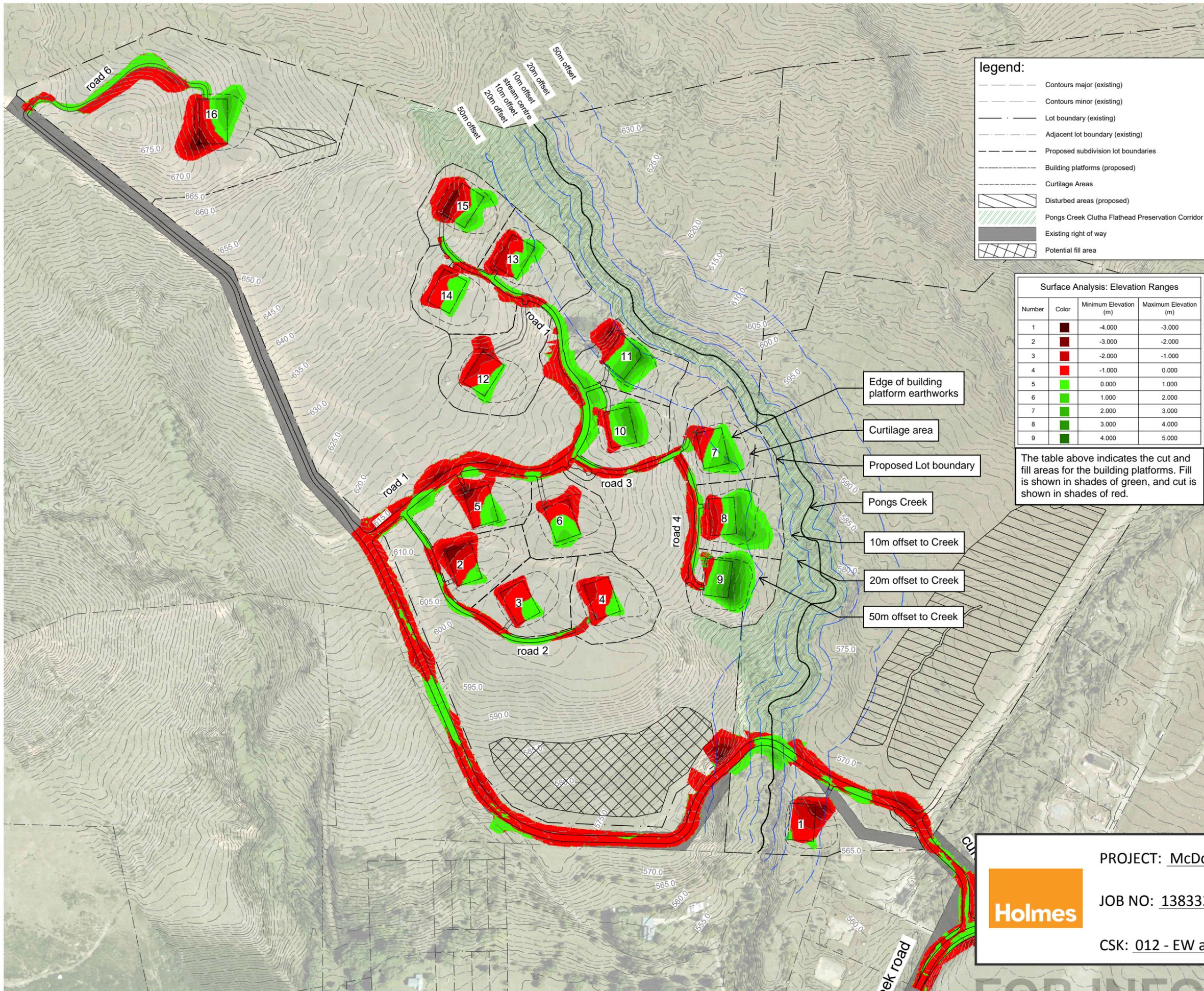
Drawn JV Scale 1:500 (at A1)
 Filename 138332.00 M - Earthworks altered design jav_1.dwg
 Job No Sheet No Rev
138332.00 Sections 6 1

Appendix 7

Preliminary earthworks calculations at creeks



Version 7
19 July 2022
138332.00

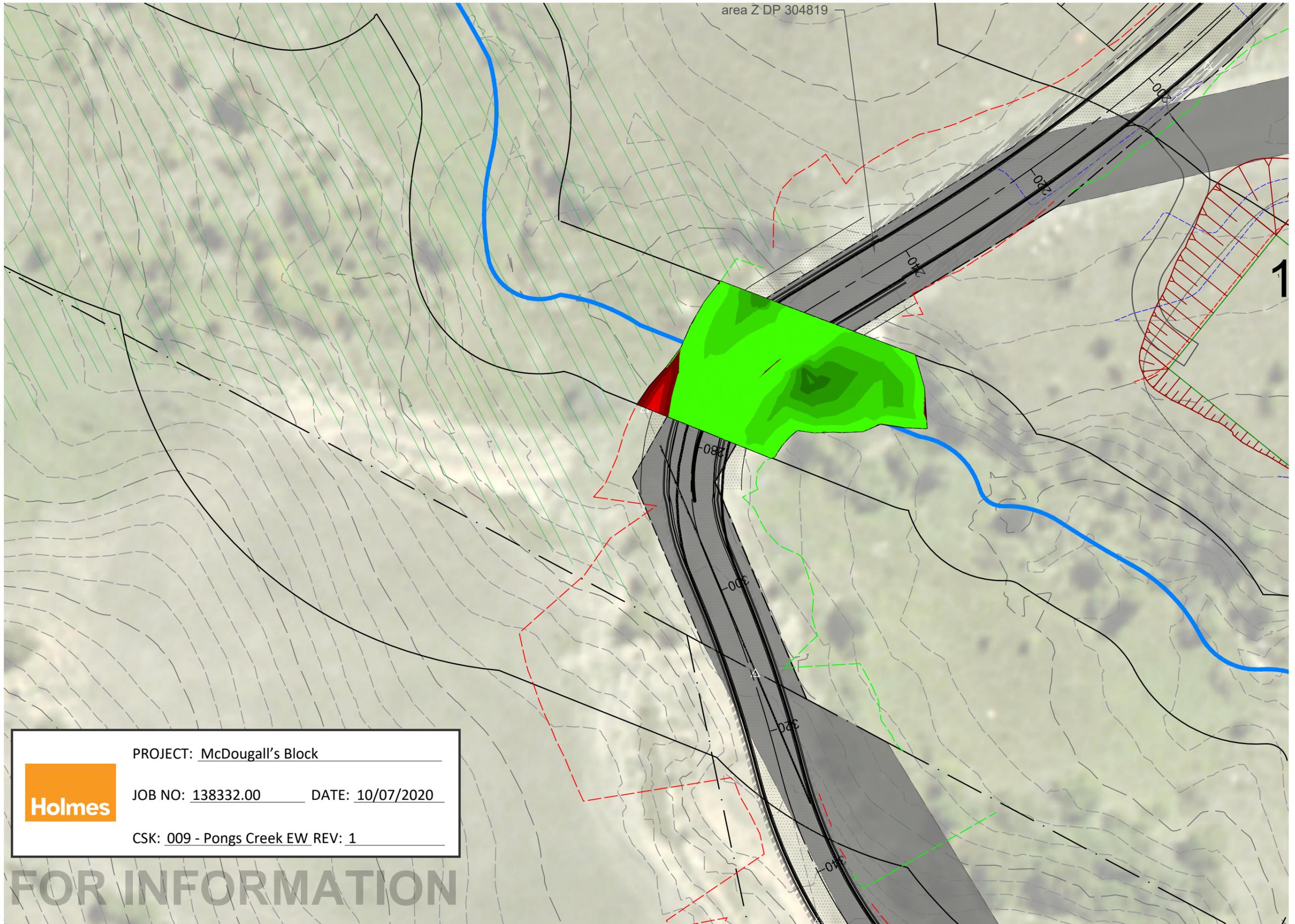


Holmes PROJECT: McDougall's Block

JOB NO: 138332.00 DATE: 19/07/2022

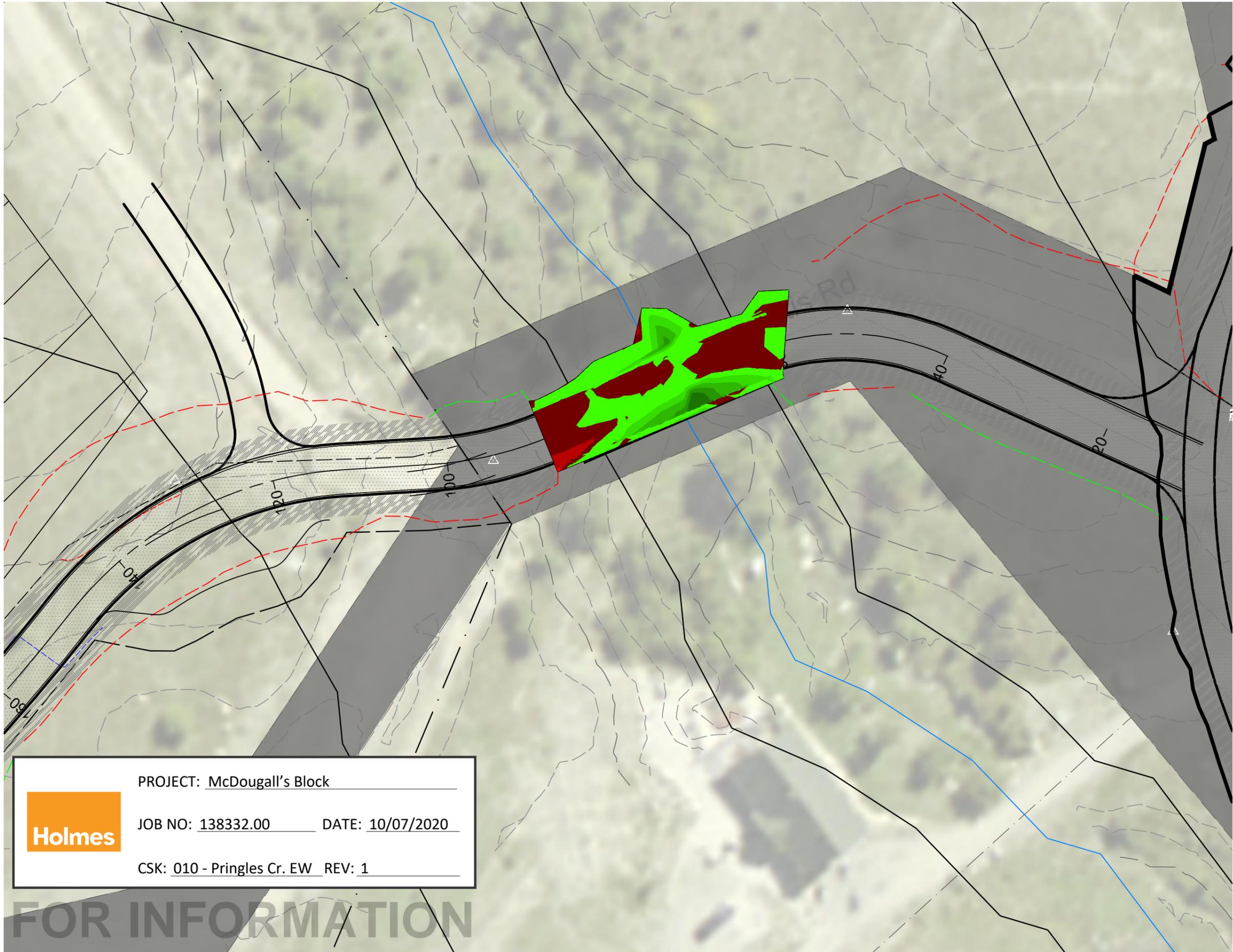
CSK: 012 - EW at Pongs Cr. REV: 2

FOR INFORMATION



	PROJECT: <u>McDougall's Block</u>
	JOB NO: <u>138332.00</u> DATE: <u>10/07/2020</u>
	CSK: <u>009 - Pongs Creek EW REV: 1</u>

FOR INFORMATION



	PROJECT: <u>McDougall's Block</u>
	JOB NO: <u>138332.00</u> DATE: <u>10/07/2020</u>
	CSK: <u>010 - Pringles Cr. EW</u> REV: <u>1</u>

FOR INFORMATION

Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
Pongs Creek	1.000	1.000	534.550sq.m	5.003 Cu. M.	386.101 Cu. M.	381.098 Cu. M.<Fill>
Pringles Creek	1.000	1.000	208.956sq.m	3.466 Cu. M.	74.804 Cu. M.	71.338 Cu. M.<Fill>
Totals			743.506sq.m	8.469 Cu. M.	460.905 Cu. M.	452.436 Cu. M.<Fill>



PROJECT: McDougall's Block

JOB NO: 138332.00 DATE: 10/07/2020

CSK: 011 - EW Volumes REV: 1

FOR INFORMATION

OTAGO REGIONAL COUNCIL

RESOURCE MANAGEMENT ACT 1991

SECTION 139 – CERTIFICATE OF COMPLIANCE

APPLICANT: Charles Layton Roberts, Christine Jennifer Roberts and Jo-anne Leslie Johns being Trustees of the Roberts Family Trust

ADDRESS: Curtis Road Cardrona

REFERENCE NUMBER: RM19.307.01

SITE: **Location:** Cardrona, approximately 702 metres north west of the intersection of Curtis Road and Pringles Creek Road.

Grid Reference/GPS location: NZTM 2000: E1284107 N5023704

Legal Description: Lot 1 DP 433836

Introduction

Roberts Family Trust (the applicant) has requested a Certificate of Compliance for taking and using surface water from Pringles Creek within the Cardrona River Catchment as a permitted activity.

The relevant plan is the Regional Plan: Water for Otago (RPW).

Relevant Rules

The applicant has sought a Certificate of Compliance under Rule 12.1.2.1, Rule 12.1.2.4 and Rule 12.1.2.5 of the RPW which state the following:

- “12.1.2.1 The taking and use of surface water for domestic needs or the needs of animals for drinking water is a **permitted** activity providing:
- (a) No take is for a volume greater than 25,000 litres per day; and
 - (b) No take is at a rate greater than 0.5 litres per second in the North Otago, Maniototo or Central Otago subregions (as identified on Maps A1-A8), or greater than 1 litre per second elsewhere in Otago; and
 - (c) The taking or use does not have an adverse effect on the environment.”

- “12.1.2.4 Except as provided for by Rules 12.1.1.1 to 12.1.2.3, the taking and use of surface water for no more than 3 days in any one month, is a **permitted** activity, providing:
- (a) The water is not used for irrigation; and

- (b) There is no change to the water level range or hydrological function of any Regionally Significant Wetland; and
- (c) There is no damage to fauna, or New Zealand native flora, in or on any Regionally Significant Wetland; and
- (d) No lawful take of water is adversely affected as a result of the taking; and
- (e) No take is for a volume greater than 100,000 litres per day; and
- (f) No take is at a rate greater than 10 litres per second; and
- (g) No back-flow of any contaminated water occurs to the water body; and
- (h) Fish are prevented from entering the intake structure; and
- (i) The taking of surface water is not suspended.

The Otago Regional Council may, by public notice, suspend the taking of water under this rule if the taking of water as primary allocation, under a resource consent has had to cease in accordance with Rule 12.1.4.9, for the catchment or river, or part of the catchment or river, at which the taking of water under this rule is occurring.”

“12.1.2.5 Except as provided for by Rules 12.1.1.1 to 12.1.2.4, the taking and use of surface water is a **permitted** activity, providing:

- (a) There is no change to the water level range or hydrological function of any Regionally Significant Wetland; and
- (b) There is no damage to fauna, or New Zealand native flora, in or on any Regionally Significant Wetland; and
- (c) No lawful take of water is adversely affected as a result of the taking; and
- (d) No take is for a volume greater than 25,000 litres per day at any landholding; and
- (e) No take is at a rate greater than 0.5 litres per second in the North Otago, Maniototo or Central Otago subregions (as identified on Maps A1-A8), or greater than 1 litre per second elsewhere in Otago; and
- (f) No back-flow of any contaminated water occurs to the water body; and
- (g) Fish are prevented from entering the intake structure; and
- (h) The taking of surface water is not suspended.

The Otago Regional Council may, by public notice, suspend the taking of water under this rule if the taking of water as primary allocation, under a resource consent has had to cease in accordance with Rule 12.1.4.9, for the catchment or river, or part of the catchment or river, at which the taking of water under this rule is occurring.”

Rule 12.1.2.1, Rule 12.1.2.4 and Rule 12.1.2.5 of the RPW are permitted activities provided the clauses under each Rule are met.

Details of the Activity for Which a Certificate of Compliance is Sought

The applicant proposes to abstract surface water from Pringles Creek located on Lot 1 DP 433836 for the following purposes:

- Domestic water supply and stock water supply under Rule 12.1.2.1 of the RPW restricted to a daily volume of 25,000 litres at a maximum rate of 0.5 Litres per second (L/s);
- A 3 day take per calendar month under Rule 12.1.2.4 where no water under Rule 12.1.2.1 and Rule 12.1.2.5 of the RPW will be taken on these three days. Water taken under this Rule will not exceed 100,000 litres per day and will not exceed a rate of 1.16 L/s.
- Irrigation water and water for other uses under Rule 12.1.2.5 of the RPW that is not provided for under Rule 12.1.2.1 and 12.1.2.4. Water taken under this Rule will not exceed the maximum take of 25,000 litres per day and will not exceed a rate of 0.5 L/s. Water taken under this Rule will be reticulated separately from the domestic water take and will have a separate dedicated water meter.

The point of abstraction from Pringles Creek will occur approximately at Map Reference NZTM 2000 1284107E and 5023704N. Pringles Creek is located within the Cardrona River Catchment.

The applicant proposes that water abstracted under Rule 12.1.2.5 will be reticulated separately to that of the domestic water supply. The applicants propose water taken under Rule's 12.1.2.1 and 12.1.2.4 will be reticulated through the same domestic water supply system, however the taking of water under Rule 12.1.2.4 will only occur for 3 days per a month and during that time no water will be taken under Rule 12.1.2.1.

The applicant's landholding also has a part share from a consented water take from Pringles Creek (RM17.212.01). Up to 3,000 litres of water is allocated to the property from the consented take on a daily basis.

Compliance With the Permitted Activity Rules

Under the RPW there are no provisions that prevent stacking of surface water under the permitted activity Rules 12.1.2.1, 12.1.2.4 and 12.1.2.5. The following provisions apply under each Rule:

Rule 12.1.2.1:

- (a) *No take is for a volume greater than 25,000 litres per day; and*

The applicant advises water will be metered to take a maximum of 25,000 litres a day and therefore this provision is complied with.

- (b) *No take is at a rate greater than 0.5 litres per second in the North Otago, Maniototo or Central Otago subregions (as identified on Maps A1-A8), or greater than 1 litre per second elsewhere in Otago; and*

The applicant advises an appropriate pump size will be installed on the domestic water take that will limit the rate of this take to a maximum of 0.5 L/s and therefore the proposed take will meet this requirement.

(c) *The taking or use does not have an adverse effect on the environment.*

The applicant has confirmed the estimated seven day mean annual low flow (MALF) of Pringles Creek is 35 L/s and has confirmed the rate of take under Rule 12.1.2.1 is equivalent to 1.4% of the MALF for Pringles Creek and is not expected to have adverse effects on the environment.

The applicant proposes to take water under three different permitted activity rules and this may result in cumulative effects. It is noted that each rule is treated separately and the stacking of permitted activity rules can occur under the RPW. The effects of each of the proposed takes therefore need to be assessed against each relevant rule. Currently the RPW does not provide for addressing the cumulative effects of stacking permitted activity rules.

Rule 12.1.2.4:

(a) *The water is not used for irrigation;*

The applicant advises the take of water under Rule 12.1.2.4 will not be used for irrigation and therefore this requirement will be met.

(b) *There is no change to the water level range or hydrological function of any Regionally Significant Wetland; and*

The proposal complies with this provision as there are no Regionally Significant Wetlands within 10 kilometres (km) of the site.

(c) *There is no damage to fauna, or New Zealand native flora, in or on any Regionally Significant Wetland; and*

The proposal complies with this provision as there are no Regionally Significant Wetlands within 10 km of the site.

(d) *No lawful take of water is adversely affected as a result of the taking; and*

The applicant has estimated the proposed take under Rule 12.1.2.4 is approximately 2.5% of the seven day MALF for Pringles Creek and is unlikely to cause adverse effects on lawful takes of water. It is acknowledged that the take for RM17.212.01 is located within 200 m of the proposed take. The proposed take under Rule 12.1.2.4 is located upstream from the consented take and is not expected to effect residual flows set in conditions of consent of RM17.212.01.

(e) *No take is for a volume greater than 100,000 litres per day; and*

The applicant has confirmed that the take under Rule 12.1.2.4 will not exceed 100,000 L/day on any three days per calendar month. The applicants advise this will be complied with by the use of a domestic water supply meter.

(f) No take is at a rate greater than 10 litres per second; and

A separate dedicated pump is proposed to be used by the applicant that will limit the rate of the take under Rule 12.1.2.4 to approximately 1 L/s. The proposal will therefore comply with this provision.

(g) No back-flow of any contaminated water occurs to the water body; and

The applicant advises no back flow of any contaminated water is able to occur to the water body and therefore the activity complies with this provision.

(h) Fish are prevented from entering the intake structure; and

The applicant advises the take of water is suitably screened to prevent fish from entering the intake and therefore this provision is complied with.

(j) The taking of surface water is not suspended.

The applicant advises the taking of water under Rule 12.1.2.4 is able to cease if the taking of surface water is suspended. Currently the taking of surface water is not suspended.

12.1.2.5

(a) There is no change to the water level range or hydrological function of any Regionally Significant Wetland; and

The proposal complies with this provision as there are no Regionally Significant Wetlands within 10 km of the site.

(b) There is no damage to fauna, or New Zealand native flora, in or on any Regionally Significant Wetland; and

The proposal complies with this provision as there are no Regionally Significant Wetlands within 10 km of the site.

(c) No lawful take of water is adversely affected as a result of the taking; and

The applicant proposes to reticulate water taken under Rule 12.1.2.5 separately from the domestic water take and therefore the take under this Rule is not expected to adversely affect the permitted activity takes under Rule 12.1.2.1 and 12.1.2.4. As previously highlighted the take for RM17.212.01 is located within 200 m of the proposed take. The proposed take under Rule 12.1.2.4 is located upstream from the consented take and is not expected to effect residual flows set in conditions of consent of RM17.212.01.

(d) No take is for a volume greater than 25,000 litres per day at any landholding; and

A separate water meter will be installed to ensure the daily volume allowance of 25,000 L/day is not exceeded.

- (e) *No take is at a rate greater than 0.5 litres per second in the North Otago, Maniototo or Central Otago subregions (as identified on Maps A1-A8), or greater than 1 litre per second elsewhere in Otago; and*

An appropriate sized pump will be installed to limit the rate of the take to a maximum of 0.5 L/s. The proposed take will therefore comply with this provision.

- (f) *No back-flow of any contaminated water occurs to the water body; and*

The applicant advises no back flow of any contaminated water is able to occur to the water body and therefore the activity complies with this provision.

- (g) *Fish are prevented from entering the intake structure; and*

The applicant advises the take of water is suitably screened to prevent fish from entering the intake and therefore this provision is complied with.

- (h) *The taking of surface water is not suspended.*

The applicant advises the taking of water under Rule 12.1.2.5 is able to cease if the taking of surface water is suspended. Currently the taking of surface water is not suspended.

Certification

It is certified that, with regard to the activities at the location specified above, as stated in the application for this certification received by the Consent Authority on 12th September 2019 and the further information received on 30th September 2019 and the further information received on the 4th October 2019 to take surface water from Pringles Creek on Lot 1 DP 433836 for the following purposes:

- Domestic water supply and stock water supply under Rule 12.1.2.1 of the RPW restricted to a daily volume of 25,000 L/day with a maximum rate of 0.5 L/s;
- A 3 day take per calendar month under Rule 12.1.2.4 where no water under Rule 12.1.2.1 and Rule 12.1.2.5 of the RPW will be taken on these three days; and water take under this rule will be no more than 100,000 L/day and will not exceed a rate of 10 L/s.
- Irrigation water and water for other uses under Rule 12.1.2.5 of the RPW that is not provided for under Rule 12.1.2.1 and 12.1.2.4. Water taken under this Rule will not exceed the maximum take of 25,000 L/day and will not exceed a rate of 0.5 L/s.

Can lawfully be taken under permitted activity provisions of Rule 12.1.2.1, Rule 12.1.2.4 and Rule 12.1.2.5 under the Regional Plan: Water for Otago at the date of the application for this certificate, provided it is undertaken as per the application and additional information provided.



Joanna Gilroy
Manager Consents

Date: 31 October 2019

Otago Regional Council
70 Stafford Street
Private Bag 1954
Dunedin

29 August 2019
Environmental Associates Ltd
Our Ref: EA00153

Attention: Manager Consents

Application for Certificate of Compliance under S139 of the Resource Management Act, Roberts Family Trust, Cardrona

1. Introduction

The Roberts Family Trust (the applicant), is applying to the Otago Regional Council for a certificate of compliance under section 139 of the Resource Management Act, for an activity to be undertaken within the permitted activity rules of the Regional Plan: Water for Otago (RPW), in respect of abstraction of water from a natural waterway from within the property, for use at the applicant's landholding.

The proposed water abstraction activity is to occur at or about grid co-ordinates NZTM 1,284,107 m E and 5,023,704 m N, and is situated on land parcel Lot 1, DP 433836. The applicant's landholding refers to adjoining properties: Lot 1, DP 433836, Lot 6, DP 344432, and Lot 1 DP 425268. A map of the landholding and surrounds is given in **Attachment A**, including the proposed surface water take location. The owner of the land which the activity is situated on is the Roberts Family Trust, C/- Leon West, Maestro Projects Limited, PO Box 1625, Queenstown 9348. The contact details for Leon West are: telephone 021 662029, email leon@maestroprojects.co.nz. The applicant's property is situated on Curtis Road, Cardrona.

In the first instance, regarding application detail, please contact the writer: Tom Heller (consultant), Environmental Associates Ltd, PO Box 2079, South Dunedin 9044. Contact telephone number 03 777 3546, email theller100@gmail.com.

2. Requested Certificate of Compliance

The requested certificate of compliance in respect of the Roberts Family Trust property, is for the proposed abstraction of water that is able to be undertaken within the permitted activity rules of the RPW and specifically:

Rules 12.1.2.1, 12.1.2.4 and 12.1.2.5 The taking and use of surface water as a permitted activity.

Environmental Associates Ltd
In association with GeoSolve
Level 1, 70 Macandrew Road
PO Box 2079, South Dunedin 9044
Telephone +64-3-777 3546

3. Potential Effects upon the Environment

This section describes: the nature of the activity, the environmental setting, the effects of the activity, and how the activity may be carried out under the relevant permitted activity rules within the RPW. The proposed activity is a permitted activity surface water take from Pringles Creek for domestic water supply, stockwater, and some irrigation of land, from the waterbody that occurs within the boundary of the applicant’s property (**Attachment A**). The take of water for the applicant’s landholding may occur under rules 12.1.2.1, 12.1.2.4 and 12.1.2.5 of the RPW, which are shown in Table 1 below.

The applicant’s landholding is also part share in an authorised (consented) water take from Pringles Creek (RM17.212.01), which allows up to 3,000 L for water supply to the landholding on a daily basis. Consent RM17.212.01 abstracts water from Pringles Creek for a communal domestic and irrigation water supply, at a rate not exceeding 1 L/s. Consistent with the RPW, the abstraction of water under the relevant permitted activity framework is considered to be in addition to that which is authorised by resource consent, with the permitted activity being regarded as the permitted baseline.

Table 1

Permitted and Consented Water Takes for the Roberts Family Trust Landholding

Rule and Consent rate, volume and use	12.1.2.1¹ 0.5 L/s and 25,000 L/day Domestic and animal drinking water only	12.1.2.4¹ 10 L/s and 100,000 L/day Not for irrigation 3 days per month	12.1.2.5 0.5 L/s and 25,000 L/day For any use	RM17.212.01 1 L/s² and 3,000 L/day For any use
Maximum daily volume (L)	25,000	100,000	25,000	3,000
Maximum monthly volume (30-day month - L)	750,000	300,000	750,000	90,000
Maximum potential domestic water use	750,000	300,000	750,000	90,000
Maximum potential irrigation water use	0	0	750,000	90,000
Subject to suspension	0	300,000	750,000	90,000 ³

Notes: 1. Permitted activity not subject to a per-landholding requirement.
 2. Cumulative instantaneous rate of take.
 3. Subject to suspension if utilised for irrigation purposes.

Whilst the relevant permitted activities and the applicant's share of consented water (above in Table 1), outlines the respective volumes of water available for potential uses at the applicant's landholding, regarding the cumulative permitted activity considerations, the maximum potential water abstraction is thus restricted to the following:

- Total maximum daily and monthly volume – 103,000 L/day for 3 days/month (otherwise 28,000 L/day) and 1,065,000 L/month (for 30-day month),
- Total maximum daily and monthly domestic use water volume - 103,000 L/day for 3 days/month (otherwise 28,000 L/day), with a partial suspension component of 75,000 L/day for 3 days/month, and 1,065,000 L/month, which has a partial suspension component of 225,000 L/month, and
- Total maximum daily and monthly irrigation use water volume – 28,000 L/day, fully subject to suspension, and 840,000 L/month, fully subject to suspension.

It should also be noted that permitted activity Rules 12.1.2.1 and 12.1.2.4 are not subject to a per-landholding requirement. This allows for multiple takes of water within Rule 12.1.2.1 and Rule 12.1.2.4 on any landholding(s) for the supply of domestic water and stockwater, consistent with the Resource Management Act. The limit of cumulative water takes under Rule 12.1.2.1 and Rule 12.1.2.4 is then considered to be the reasonable needs for domestic water supply and stockwater requirements. The above maximum potential water abstraction figures utilise only one permitted take under Rules 12.1.2.1 and 12.1.2.4, in which (as above) there is effectively no upper limit for multiple takes for the supply of reasonable domestic water and stockwater for any landholding(s). However, in consideration of the cumulative impact of the permitted activity rules, irrigation water usage on a per-landholding basis for the applicant's property is restricted to a maximum of 840,000 L/month, notwithstanding the amount of water taken for reasonable domestic supply and stockwater uses.

Pringles Creek flows through the Roberts Family Trust landholding on Lot 1 DP 433836 (**Attachment A**), and has a total catchment area of 7.009 km². The creek has an estimated 7-day MALF of 35 L/s, and is a perennial tributary of the Cardrona River. The NIWA low flow estimator provides an average SMALF of 5 L/s/km² for the Pringles Creek catchment.

The permitted rate of surface water take for the applicant's landholding (Table 1), is normally up to 0.5 L/s, and on occasion for 3 days per month, may increase to 1.16 L/s. These rates of take are equivalent to 1.4% and 3.3% of MALF for Pringles Creek respectively. Given the estimated MALF of 35 L/s, the permitted activity take constitutes a De Minimis effect upon flow in Pringles Creek. Thus, the proposed water take for the applicant's landholding undertaken within the permitted activity rules of the RPW, will have a less than minor effect upon the environment, and are considered in that instance, to be part of the baseline afforded by the permitted activity status.

Additional water taken under authorised resource consent RM17.212.01, has already considered the permitted baseline effect, and by consent authority s42A reporting, constitutes no more than a minor effect upon the environment.

In terms of compliance with specific permitted activity rules, an assessment of compliance is provided in the following section of this report. Any take of surface water for use at the applicant's landholding complies with relevant RPW permitted activity rules by ensuring:

- That the take of surface water is within the relevant rates and volumes afforded by the permitted activity(s),
- That the use of water at the landholding is restricted to the available uses afforded by the permitted activity(s), and
- That there is no adverse effect upon the environment and other lawful water users.

In summary, there are no obstacles within the permitted activity rule framework that may prevent the Roberts Family Trust from achieving compliance for the proposed water take. The permitted activity water take rules in the RPW are all fully able to be complied with. Under these circumstances the applicant's water take activity would be consistent with the permitted baseline afforded by the permitted activity rules within the RPW. In doing so, the effects upon the environment from the activity may be regarded as being less than minor or De Minimis.

4. Analysis of Permitted Activity Rules

The following RPW permitted activity rules have been analysed for compliance (with activity compliance in *italics*), regarding the taking of water from Pringles Creek, for the Roberts Family Trust property, and having regard to the environmental effects assessment undertaken in the previous section of this report.

12.1.2 Permitted activities: No resource consent required

12.1.2.1 The taking and use of surface water for domestic needs or the needs of animals for drinking water is a *permitted* activity providing:

(a) No take is for a volume greater than 25,000 litres per day; and

Complies: The taking of domestic water or animal drinking water under this permitted activity for the applicant's landholding is for a volume not greater than 25,000 litres per day.

(b) No take is at a rate greater than 0.5 litres per second in the North Otago, Maniototo or Central Otago sub-regions (as identified on Maps A1-A8), or greater than 1 litre per second elsewhere in Otago; and

Complies: The taking of domestic water or animal drinking water under this permitted activity for the applicant's landholding is at a rate not greater than 0.5 litres per second from Pringles Creek.

(c) The taking or use does not have an adverse effect on the environment.

Complies: The taking of domestic water or animal drinking water under this permitted activity for the applicant's landholding at a rate not greater than 0.5 litres per second from Pringles Creek, is a rate that is equivalent to approximately 1.4% of MALF. Thus, the take is suitably small so that no adverse effect upon the environment would develop. The effect of the take is considered to be within the permitted baseline.

12.1.2.4 Except as provided for by Rules 12.1.1.1 to 12.1.2.3, the taking and use of surface water for no more than 3 days in any one month, is a **permitted** activity, providing:

(a) The water is not used for irrigation; and

Complies: The taking of water under Rule 12.1.2.4 for 3 days per month is not used for irrigation at the applicant's landholding that is otherwise taken for that use under Rule 12.2.2.5.

(b) There is no change to the water level range or hydrological function of any Regionally Significant Wetland; and

Complies: There are no Regionally Significant Wetlands in proximity of the water take and the take under Rule 12.1.2.4 is small (an additional 75,000 litres per day for 3 days, over the volume of water otherwise taken under Rule 12.1.2.1 or Rule 12.1.2.5).

(c) There is no damage to fauna, or New Zealand native flora, in or on any Regionally Significant Wetland; and

Complies: There are no Regionally Significant Wetlands in proximity of the water take and the take under Rule 12.1.2.4 is small (an additional 75,000 litres per day over 3 days, over the volume of water otherwise taken under Rule 12.1.2.1 or Rule 12.1.2.5).

(d) No lawful take of water is adversely affected as a result of the taking; and

Complies: The taking of water under Rule 12.1.2.4 (over and above that otherwise taken under Rule 12.1.2.1 or Rule 12.2.2.5), equates to an average daily rate of 0.87 litres per second which is equivalent to approximately 2.5% of MALF for Pringles Creek. Thus, the take is suitably small so that no adverse effect upon any other lawful take of water would develop. The effect of the take is considered to be within permitted baseline.

(e) No take is for a volume greater than 100,000 litres per day; and

Complies: The taking of water under Rule 12.1.2.4 and in combination with that otherwise taken under Rule 12.1.2.1 or Rule 12.1.2.5, does not exceed 100,000 litres per day for 3 days per month.

(f) No take is at a rate greater than 10 litres per second; and

Complies: The taking of water under Rule 12.1.2.4 does not exceed 10 litres per second.

(g) No back-flow of any contaminated water occurs to the water body; and

Complies: No back-flow of any contaminated water is able to occur to the water body.

(h) Fish are prevented from entering the intake structure; and

Complies: The take of water is suitably screened to prevent fish from entering the intake.

(i) The taking of surface water is not suspended.

The Otago Regional Council may, by public notice, suspend the taking of water under this rule if the taking of water as primary allocation, under a resource consent has had to cease in accordance with Rule 12.1.4.9, for the catchment or river, or part of the catchment or river, at which the taking of water under this rule is occurring.

Complies: The taking of water under Rule 12.1.2.4 over and above that taken under Rule 12.1.2.1 is able to be suspended, and the activity may cease for up to any 3-day per month period.

12.1.2.5 Except as provided for by Rules 12.1.1.1 to 12.1.2.4, the taking and use of surface water is a *permitted* activity, providing:

(a) There is no change to the water level range or hydrological function of any Regionally Significant Wetland; and

Complies: There are no Regionally Significant Wetlands in proximity of the water take and the take under Rule 12.1.2.5 is small at a rate of 0.5 litres per second, which is equivalent to approximately 1.4% of MALF for Pringles Creek.

(b) There is no damage to fauna, or New Zealand native flora, in or on any Regionally Significant Wetland; and

Complies: There are no Regionally Significant Wetlands in proximity of the water take and the take under Rule 12.1.2.5 is small at a rate of 0.5 litres per second, which is equivalent to approximately 1.4% of MALF for Pringles Creek.

(c) No lawful take of water is adversely affected as a result of the taking; and

Complies: The taking of water under Rule 12.1.2.5 is small at a rate of 0.5 litres per second, which is equivalent to approximately 1.4% of MALF for Pringles Creek. Thus, the take is suitably small so that no adverse effect upon any other lawful take of water would develop. The effect of the take is considered to be within permitted baseline.

(d) No take is for a volume greater than 25,000 litres per day at any landholding; and

Complies: The taking of water under Rule 12.1.2.5 is for a volume not greater than 25,000 litres per day at the applicant's landholding.

(e) No take is at a rate greater than 0.5 litres per second in the North Otago, Maniototo or Central Otago sub-regions (as identified on Maps A1-A8), or greater than 1 litre per second elsewhere in Otago; and

Complies: The taking of water under Rule 12.1.2.5 for the applicant's landholding is at a rate not greater than 0.5 litres per second from Pringles Creek.

(f) No back-flow of any contaminated water occurs to the water body; and

Complies: No back-flow of any contaminated water is able to occur to the water body.

(g) Fish are prevented from entering the intake structure; and

Complies: The take of water is suitably screened to prevent fish from entering the intake.

(h) The taking of surface water is not suspended.

The Otago Regional Council may, by public notice, suspend the taking of water under this rule if the taking of water as primary allocation, under a resource consent has had to cease in accordance with Rule 12.1.4.9, for the catchment or river, or part of the catchment or river, at which the taking of water under this rule is occurring.

Complies: The taking of water under Rule 12.1.2.5 over and above that taken under Rule 12.1.2.1 is able to be suspended, and the activity may cease upon suspension.

12.1.4.9 The suspension of takes

It is a term of any taking of surface water under Rules 12.1.1A.1, 12.1.2.4, 12.1.2.5 and 12.1.4.2 to 12.1.4.7 that, when the flow is equal to or less than a minimum flow applied by or under these rules, the Council may, by public notice, suspend all taking to enable the minimum flow to be met.

Complies: Any taking of water under Rule 12.1.2.4 and Rule 12.1.2.5 is able to cease upon suspension.

Under the Regional Plan: Water for Otago, the principal reasons for adopting the above relevant rules, refer to:

- The taking and use of water can only occur if it is expressly allowed by a rule in a regional plan, or in any relevant proposed regional plan, or by a resource consent (Section 14(3) of the Resource Management Act).
- The taking and use of surface water under Rules 12.1.2.1 to 12.1.2.6 will have no more than minor adverse effects on the natural and human use values supported by water bodies, or on any other person taking water. These rules are adopted to enable access to resources while providing protection for those values and uses.

Should any further information be required with respect to the above application for Certificate of Compliance, please respond in the first instance to the report writer.

Page 8
29 August 2019
Environmental Associates Ltd
Our Ref: EA00153

The \$200.00 (including GST), application fee is enclosed.

Yours faithfully
Tom Heller
Director: Water & Environmental

A handwritten signature in blue ink, appearing to read 'Tom Heller', is enclosed in a light blue rectangular box.

Environmental Associates Ltd
Email: theller100@gmail.com

From: "Tom Heller" <theller100@gmail.com>
Sent: Wed, 28 Sep 2022 16:59:31 +1300
To: "Cam Jones" <cameron.jones@qldc.govt.nz>; "Leon West - Maestroprojects (leon@maestroprojects.co.nz)" <leon@maestroprojects.co.nz>
Cc: "Sarah Gathercole" <Sarah.Gathercole@qldc.govt.nz>; "Morgan Shepherd (Morgan@brownandcompany.co.nz)" <morgan@brownandcompany.co.nz>
Subject: Re[2]: RM200267 Pringles Creek Surface Water Take CoC and application

Hi Leon,

I have some Pringles Creek hourly flow data for 2008 - 2009 and 2017 - 2019. The site is just below the Mt Cardrona take as it was set up to enable compliance with the residual flow of 15 L/s. The data is publicly available from ORC.

Going through the data the minimum hourly annual flows in Pringles Creek for those years is as follows:

2008 66.4 L/s
2009 34.8 L/s
2017 25.5 L/s
2018 23 L/s, and
2019 23.2 L/s.

The mean annual hourly low flow from the above data is 34.6 L/s. This is close to the estimated MALF of 35 L/s from the NIWA flow estimator model which was commented on to QLDC in the RFI. Also the NIWA model generates the 7-day MALF and the use of the hourly instantaneous flows is more conservative than the true 7-day actual MALF, which is likely to be about 5 - 10% or so higher in flow.

I'm not sure if there is any further Pringles data available. However, the real time flow data above suggests that the previous estimate of flow availability is well supported. This is notwithstanding the obvious gaps in the flow data, but nothing I can do about that.

I trust this is useful moving forward. I can send through the Pringles flow data in excel if required.

Regards

Tom Heller
Director: Water and Environment

Environmental Associates Ltd
In association with GeoSolve
Level 1, 70 Macandrew Road
PO Box 2079, South Dunedin 9044
Tel 03 777 3546
Cell 027 7255 703
theller100@gmail.com

----- Original Message -----

From "Cam Jones" <cameron.jones@qldc.govt.nz>
To "Leon West" <leon@maestroprojects.co.nz>
Cc "Sarah Gathercole" <Sarah.Gathercole@qldc.govt.nz>; "Morgan Shepherd
(Morgan@brownandcompany.co.nz)" <morgan@brownandcompany.co.nz>; "Tom
Heller (theller100@gmail.com)" <theller100@gmail.com>
Date 28/09/2022 1:30:31 pm
Subject RE: RM200267 Pringles Creek Surface Water Take CoC and application

Hi Leon,

The attachments provided here say essentially the same thing as before, and I am still unable to verify the numbers provided regarding the flows in Pringles Creek. I also spoke to Louis Brown (one of QLDC's planning TLs, who used to be a senior planner with ORC), who confirmed that the CoC does not guarantee flows, only confirms that no resource consent is required.

As before, can we please have sources for the below info, which is effectively what was copied into the initial RFI response and which I subsequently asked for sources for:

Pringles Creek flows through the Roberts Family Trust landholding on Lot 1 DP 433836 (Attachment A), and has a total catchment area of 7.009 km². The creek has an estimated 7-day MALF of 35 L/s, and is a perennial tributary of the Cardrona River. The NIWA low flow estimator provides an average SMALF of 5 L/s/km² for the Pringles Creek catchment.

Cheers,
Cam

From: Leon West <leon@maestroprojects.co.nz>
Sent: Thursday, 22 September 2022 6:03 PM
To: Cam Jones <cameron.jones@qldc.govt.nz>
Cc: Leon West <leon@maestroprojects.co.nz>; Sarah Gathercole <Sarah.Gathercole@qldc.govt.nz>; Morgan Shepherd (Morgan@brownandcompany.co.nz) <morgan@brownandcompany.co.nz>; Tom

Heller (theller100@gmail.com) <theller100@gmail.com>

Subject: Pringles Creek Surface Water Take CoC and application

Hi Cam,

Great to meet you today. As discussed, I have attached the original ORC Certificate of Compliance (CoC) application, s92 responses and granted CoC which provides a background to Tom's responses. If you could have a look and see what more information you need so Tom/Morgan can respond formally next week?

We could provide the ORC consent for the Mount Cardrona Station take (higher up Pringles Creek) and has a high residual flow condition that is positive for downstream users such. In the ORC CoC application, you will see that Tom has calculated the *Pringles Creek flows through the Roberts Family Trust landholding on Lot 1 DP 433836 (Attachment A), and has a total catchment area of 7.009 km². The creek has an estimated 7-day MALF of 35 L/s, and is a perennial tributary of the Cardrona River. The NIWA low flow estimator provides an average SMALF of 5 L/s/km² for the Pringles Creek catchment.*

Regards,

Leon West

Project Manager

BE Civil, PG Dip Bus&Admin (Dist)

+64 21 662029

leon@maestroprojects.co.nz

PO Box 1625 Queenstown 9348

www.maestroprojects.co.nz





Wednesday 15 April 2020

Roberts Family Trust
C/-o Leon West
Maestro Projects Ltd
PO Box 1625
Queenstown 9348

Tēnā Koe,

Resource Consent Application – Roberts Family Trust

Thank you for forwarding a copy of your consent application to Subdivide the McDougall's Block off Curtis Road, Cardrona for the Queenstown Lakes District Council.

Te Ao Marama Inc. write this letter on behalf of the kaitiaki rūnanga whose takiwā includes the site the application is within. Rūnanga representatives have been informed and accept the proposal outlined in the application received February 5 2020.

It is considered that the application is not inconsistent with Te Tangi a Taurira, 2008 (Ngāi Tahu ki Murihiku Natural Resource Management Plan).

Te Ao Marama Inc. supports the recommendations provided within the archaeological assessment provided on 27 March 2020.

This letter provides our unconditional written approval to the above application.

This reply is specific to the above application and any changed to the application will require further consultation.

We trust the information contained within this letter is sufficient; however, should you wish to discuss any aspect further, please do not hesitate to contact me.

Nāhaku noa nā,

Stevie-Rae Blair
Iwi Environmental Advisor
Te Ao Marama Inc.

Te Ao Marama Inc.
408 Tramway Road
PO Box 7078
South Invercargill 9812
Phone: (03) 9311242
office@tami.maori.nz

26 May 2020

Maestro Projects Ltd
P O Box 1625
QUEENSTOWN 9348

Attention: Leon West

Resource Consent – Roberts Family Trust

Application

Kāti Huirapa Rūnaka ki Puketeraki, Te Rūnanga o Ōtākou and Hokonui Rūnanga understand that the Roberts Family Trust are applying for resource consents associated with the subdivision of land into 16 Lots – Curtis Road, Cardrona (as specified in the information provided).

The applicant for resource consent application is as follows:

Roberts Family Trust
c/- Maestro Projects Ltd
PO Box 1625
Queenstown 9348

The Affected Party

Aukaha writes this written approval on behalf of Kāti Huirapa Rūnaka ki Puketeraki, Te Rūnanga o Ōtākou and Hokonui Rūnanga (Ngā Rūnanga), three of the kaitiaki Rūnanga whose takiwā (area) includes the site the application relates to.

The representatives have received the full application.

This written approval is specific to the above proposal and any changes to the application will require further consultation and written approval from the Rūnanga.

I have the authority to sign on behalf of the Rūnanga and I have read the full application, including the assessment of environmental effects.

Nga Runanga are rangatira and kaitiaki of all natural resources within the area to which the application relates.

Decision

Kāti Huirapa Rūnaka ki Puketeraki, Te Rūnanga o Ōtākou and Hokonui Rūnanga provide their written approval. In signing this written approval, Ngā Rūnanga understand that the consent authority must decide that Ngā Rūnanga are no longer an affected person, and the consent authority must not have regard to any adverse effects on Ngā Rūnanga.

Nga Rūnanga support the following:-

- That there is planting of indigenous plants within the proposed subdivision boundary
- That the Accidental Archaeological Discovery Protocol will be adhered to
- That the wastewater treatment and disposal system installed will be appropriate for the soil conditions in the area
- That there is a proposed preservation corridor along Pongs Creek for the protection of the Clutha Flathead Galaxias. Ngā Rūnanga request to be informed on the proposed preservation plans along Pongs Creek.

Please see Kāi Tahu ki Otago Natural Resource Management Plan 2005 appendices seen as relevant to this application.

Ngā Rūnanga understand that they may withdraw written approval by giving written notice to the consent authority if there is a hearing, or if not, then before the application is determined.

Nāku noa, nā



Tania Richardson
Consents Officer

cc Kāti Huirapa Rūnaka ki Puketeraki
Te Rūnanga o Ōtākou
Hokonui Runanga

Appendices

The following Issues/Objectives/Policies of the Kāi Tahu ki Otago Natural Resource Management Plan 2005 are seen as relevant to the above proposal. This relates to the holistic management of natural resources from the perspective of local iwi.

Kāi Tahu ki Otago Natural Resource Management Plan 2005

Otago Region / Te Rohe o Otago

Wai Māori

Wai Māori General Issues

River and Instream Works

- Impacts of activities such as channel maintenance and channel cleaning adversely affecting water quality.
- Channel reshaping, in particular straightening that leads to faster flowing rivers and loss of habitat.
- Inappropriate suction dredging.
- Impacts of willow removal on water quality, water temperature and mahika kai habitat.
- Gravel extractions
- Introduction of exotic weeds through poorly cleaned machinery, and the subsequent impact on bank habitat and water ecosystems.

Discharges

- Cumulative effects of discharges.
- Discharge of human waste and other contaminants from point and non point source discharges to water
- View that due to dilution rates, discharges to water have little or no effects.

Wai Māori General Objectives

- There is no discharge of human waste directly to water.
- Contaminants being discharged directly or indirectly to water are reduced.

Wai Māori General Policies

- To protect and restore the mauri of all water.

Discharges

- To require land disposal for human effluent and contaminants.
- To require consideration of alternatives and use of new technology for discharge renewal consents.
- To require monitoring of all discharges be undertaken on a regular basis and all information, including an independent analysis of monitoring results be made available to Kāi Tahu ki Otago.
- To encourage Management Plans for all discharge activities that details the procedure for containing spills and including plans for extraordinary events.
- To require all discharge systems be well maintained and regularly serviced. Copies of all service and maintenance records should be available to Kāi Tahu ki Otago upon request.

River and Instream Works

- To require that fish passage is provided for at all times, both upstream and downstream.
- To oppose all river and instream work if near a nohoaka site during the months of August to April.
- To require that buffer zones are established and agreed upon with the Papatipu Rūnaka between the flowing water and the site of any river or instream work.
- To require that any visual impacts at the site of the activity are minimal.
- To require that wet concrete does not enter the active flow channels.
- To require that any works be undertaken either before or after spawning season of potentially affected species as identified by the Papatipu Rūnaka.
- To require that all practical measures are undertaken to minimise sedimentation or discharge of sedimentation.

- To require that all practical measures are undertaken to minimise the risk of contamination to the waterway.
- To require that work is done when the water level is naturally low or dry, to carry out as much of the work as possible, using one corridor for entering and exiting.
- To discourage machinery operating in flowing water.
- To require that all machinery is clean and well maintained before entering the work site; refuelling is to be done away from the waterway.

Bank Erosion

- To encourage the planting of indigenous vegetation from the local environs to help reduce continual erosion of the edge of the river.

Wāhi Tapu

Wāhi Tapu General Issues

- The resurfacing of kōiwi takata through natural and human-induced processes.

Wāhi Tahu Objectives

- All wāhi tapu are protected from inappropriate activities
- Kāi Tahu ki Otago have access to wāhi tapu.
- Wāhi tapu throughout the Otago region are protected in a culturally appropriate manner.

Wāhi Tapu General Policies

- To require consultation with KTKO for activities that has the potential to affect wāhi tapu.

Cultural Landscapes

Cultural Landscapes General Issues

- Extension and maintenance of infrastructure (eg transport, telecommunications) can affect cultural landscapes.

Cultural Landscapes Objectives

- The protection of significant cultural landscapes from inappropriate use and development.

Cultural Landscapes General Policies

Subdivisions

- To discourage subdivision and buildings in culturally significant and highly visible landscapes.
- To encourage a holistic planning approach to subdivisions between the Local Government Agencies that takes into account the following:
 - All consents related to the subdivision to be sought at the same time.
 - Protection of Kāi Tahu ki Otago cultural values.
 - Visual amenity
 - Water requirements
 - Wastewater and stormwater treatment and disposal
 - Landscaping
 - Location of building platforms
- To require that where any earthworks are proposed as part of a subdivision activity an accidental discovery protocol is to be signed between the affected Papatipu Rūnaka and the Company.
- To require applicants, prior to applying for subdivision consents, to contact Kāi Tahu ki Otago to determine the proximity of the proposed subdivision to sites of significance identified in the resource inventory.
- To require public foot access along lakeshore and riverbanks within subdivisions.

26 May 2020

Maestro Projects Ltd
P O Box 1625
QUEENSTOWN 9348

Attention: Leon West

Heritage New Zealand Pouhere Taonga Application – Roberts Family Trust

Proposal

Ngā Runanga understands that the Roberts Family Trust are applying to the Heritage New Zealand Pouhere Taonga for:-

- Archaeological Authority application – Archaeological Assessment review – applications associated with subdivision of land into 16 Lots – Curtis Road, Cardrona (as specified in the information provided)

Situation

Aukaha writes this report on behalf Kati Huirapa Runaka ki Puketeraki, Te Rūnanga o Ōtākou and Hokonui Rūnanga, three of the kaitiaki Rūnanga whose takiwa includes the site the proposal relates to.

Decision

Please be advised that Ngā Rūnanga have no specific concerns with the final draft of the Archaeological Assessment prepared by Origin, after amendments as requested have been included, and support the stated recommendations being adhered to.

This reply is specific to the above proposal. Any changes to the application will require further consultation.

Nāku noa, nā



Tania Richardson
Consents Officer

cc Kāti Huirapa Rūnaka ki Puketeraki
Te Rūnanga o Ōtākou
Hokonui Rūnanga



Wednesday 15 April 2020

Roberts Family Trust
C/-o Leon West
Maestro Projects Ltd
PO Box 1625
Queenstown 9348

Tēnā Koe,

Resource Consent Application – Roberts Family Trust

Thank you for forwarding a copy of your consent application to Subdivide the McDougall's Block off Curtis Road, Cardrona for the Queenstown Lakes District Council.

Te Ao Marama Inc. write this letter on behalf of the kaitiaki rūnanga whose takiwā includes the site the application is within. Rūnanga representatives have been informed and accept the proposal outlined in the application received February 5 2020.

It is considered that the application is not inconsistent with Te Tangi a Taurira, 2008 (Ngāi Tahu ki Murihiku Natural Resource Management Plan).

Te Ao Marama Inc. supports the recommendations provided within the archaeological assessment provided on 27 March 2020.

This letter provides our unconditional written approval to the above application.

This reply is specific to the above application and any changed to the application will require further consultation.

We trust the information contained within this letter is sufficient; however, should you wish to discuss any aspect further, please do not hesitate to contact me.

Nāhaku noa nā,

Stevie-Rae Blair
Iwi Environmental Advisor
Te Ao Marama Inc.

Te Ao Marama Inc.
408 Tramway Road
PO Box 7078
South Invercargill 9812
Phone: (03) 9311242
office@tami.maori.nz

26 May 2020

Maestro Projects Ltd
P O Box 1625
QUEENSTOWN 9348

Attention: Leon West

Resource Consent – Roberts Family Trust

Application

Kāti Huirapa Rūnaka ki Puketeraki, Te Rūnanga o Ōtākou and Hokonui Rūnanga understand that the Roberts Family Trust are applying for resource consents associated with the subdivision of land into 16 Lots – Curtis Road, Cardrona (as specified in the information provided).

The applicant for resource consent application is as follows:

Roberts Family Trust
c/- Maestro Projects Ltd
PO Box 1625
Queenstown 9348

The Affected Party

Aukaha writes this written approval on behalf of Kāti Huirapa Rūnaka ki Puketeraki, Te Rūnanga o Ōtākou and Hokonui Rūnanga (Ngā Rūnanga), three of the kaitiaki Rūnanga whose takiwā (area) includes the site the application relates to.

The representatives have received the full application.

This written approval is specific to the above proposal and any changes to the application will require further consultation and written approval from the Rūnanga.

I have the authority to sign on behalf of the Rūnanga and I have read the full application, including the assessment of environmental effects.

Nga Runanga are rangatira and kaitiaki of all natural resources within the area to which the application relates.

Decision

Kāti Huirapa Rūnaka ki Puketeraki, Te Rūnanga o Ōtākou and Hokonui Rūnanga provide their written approval. In signing this written approval, Ngā Rūnanga understand that the consent authority must decide that Ngā Rūnanga are no longer an affected person, and the consent authority must not have regard to any adverse effects on Ngā Rūnanga.

Nga Rūnanga support the following:-

- That there is planting of indigenous plants within the proposed subdivision boundary
- That the Accidental Archaeological Discovery Protocol will be adhered to
- That the wastewater treatment and disposal system installed will be appropriate for the soil conditions in the area
- That there is a proposed preservation corridor along Pongs Creek for the protection of the Clutha Flathead Galaxias. Ngā Rūnanga request to be informed on the proposed preservation plans along Pongs Creek.

Please see Kāi Tahu ki Otago Natural Resource Management Plan 2005 appendices seen as relevant to this application.

Ngā Rūnanga understand that they may withdraw written approval by giving written notice to the consent authority if there is a hearing, or if not, then before the application is determined.

Nāku noa, nā



Tania Richardson
Consents Officer

cc Kāti Huirapa Rūnaka ki Puketeraki
Te Rūnanga o Ōtākou
Hokonui Runanga

Appendices

The following Issues/Objectives/Policies of the Kāi Tahu ki Otago Natural Resource Management Plan 2005 are seen as relevant to the above proposal. This relates to the holistic management of natural resources from the perspective of local iwi.

Kāi Tahu ki Otago Natural Resource Management Plan 2005

Otago Region / Te Rohe o Otago

Wai Māori

Wai Māori General Issues

River and Instream Works

- Impacts of activities such as channel maintenance and channel cleaning adversely affecting water quality.
- Channel reshaping, in particular straightening that leads to faster flowing rivers and loss of habitat.
- Inappropriate suction dredging.
- Impacts of willow removal on water quality, water temperature and mahika kai habitat.
- Gravel extractions
- Introduction of exotic weeds through poorly cleaned machinery, and the subsequent impact on bank habitat and water ecosystems.

Discharges

- Cumulative effects of discharges.
- Discharge of human waste and other contaminants from point and non point source discharges to water
- View that due to dilution rates, discharges to water have little or no effects.

Wai Māori General Objectives

- There is no discharge of human waste directly to water.
- Contaminants being discharged directly or indirectly to water are reduced.

Wai Māori General Policies

- To protect and restore the mauri of all water.

Discharges

- To require land disposal for human effluent and contaminants.
- To require consideration of alternatives and use of new technology for discharge renewal consents.
- To require monitoring of all discharges be undertaken on a regular basis and all information, including an independent analysis of monitoring results be made available to Kāi Tahu ki Otago.
- To encourage Management Plans for all discharge activities that details the procedure for containing spills and including plans for extraordinary events.
- To require all discharge systems be well maintained and regularly serviced. Copies of all service and maintenance records should be available to Kāi Tahu ki Otago upon request.

River and Instream Works

- To require that fish passage is provided for at all times, both upstream and downstream.
- To oppose all river and instream work if near a nohoaka site during the months of August to April.
- To require that buffer zones are established and agreed upon with the Papatipu Rūnaka between the flowing water and the site of any river or instream work.
- To require that any visual impacts at the site of the activity are minimal.
- To require that wet concrete does not enter the active flow channels.
- To require that any works be undertaken either before or after spawning season of potentially affected species as identified by the Papatipu Rūnaka.
- To require that all practical measures are undertaken to minimise sedimentation or discharge of sedimentation.

- To require that all practical measures are undertaken to minimise the risk of contamination to the waterway.
- To require that work is done when the water level is naturally low or dry, to carry out as much of the work as possible, using one corridor for entering and exiting.
- To discourage machinery operating in flowing water.
- To require that all machinery is clean and well maintained before entering the work site; refuelling is to be done away from the waterway.

Bank Erosion

- To encourage the planting of indigenous vegetation from the local environs to help reduce continual erosion of the edge of the river.

Wāhi Tapu

Wāhi Tapu General Issues

- The resurfacing of kōiwi takata through natural and human-induced processes.

Wāhi Tahu Objectives

- All wāhi tapu are protected from inappropriate activities
- Kāi Tahu ki Otago have access to wāhi tapu.
- Wāhi tapu throughout the Otago region are protected in a culturally appropriate manner.

Wāhi Tapu General Policies

- To require consultation with KTKO for activities that has the potential to affect wāhi tapu.

Cultural Landscapes

Cultural Landscapes General Issues

- Extension and maintenance of infrastructure (eg transport, telecommunications) can affect cultural landscapes.

Cultural Landscapes Objectives

- The protection of significant cultural landscapes from inappropriate use and development.

Cultural Landscapes General Policies

Subdivisions

- To discourage subdivision and buildings in culturally significant and highly visible landscapes.
- To encourage a holistic planning approach to subdivisions between the Local Government Agencies that takes into account the following:
 - All consents related to the subdivision to be sought at the same time.
 - Protection of Kāi Tahu ki Otago cultural values.
 - Visual amenity
 - Water requirements
 - Wastewater and stormwater treatment and disposal
 - Landscaping
 - Location of building platforms
- To require that where any earthworks are proposed as part of a subdivision activity an accidental discovery protocol is to be signed between the affected Papatipu Rūnaka and the Company.
- To require applicants, prior to applying for subdivision consents, to contact Kāi Tahu ki Otago to determine the proximity of the proposed subdivision to sites of significance identified in the resource inventory.
- To require public foot access along lakeshore and riverbanks within subdivisions.

Otago Regional Council
70 Stafford Street
Private Bag 1954
Dunedin

30 September 2019
Environmental Associates Ltd
Our Ref: EA00153
Your Ref: A1271525

Attention: Sarah Davidson

Application for Certificate of Compliance under S139 of the Resource Management Act, Roberts Family Trust, Cardrona – Provision of Further Information

Please find below, the relevant information requested under S139 of the RMA on 20 September 2019.

1. Clarification of a separate water take under each permitted activity rule

The Roberts Family Trust is able to take water from Pringles Creek under separate individual permitted activity (PA) takes with no overlap of PA water allocations. There are clear components of the rules relating to the volumetric allocation of water (rate and volume), under each PA, of which is summarised in Table 1 and explained within the first paragraph on Page 3 of the Application Report.

2. Confirmation of domestic and animal drinking water to be undertaken on the applicant's site, and compliance with relevant clauses of Rule 12.1.2.1

The water taken under Rule 12.1.2.1 is for domestic needs or animal drinking water only. This (permitted take) is able to be undertaken for those needs on the Roberts Family Trust landholding, which is as described on Page 1, paragraph 2 of the Application Report. Compliance with clauses (a) to (c) of Rule 12.1.2.1 is achieved by appropriate pump sizing to take a maximum of 0.5 L/s, and water metering to take a maximum of 25,000 L/day. As identified in the Application Report on Page 7, the limiting of PA takes to no more than is allowed under the relevant rules (which in this case is a small quantum of water), will have no more than a minor effect upon the environment.

3. Confirmation of compliance with Rule 12.1.2.4

Water taken under Rule 12.1.2.4 is not used by the Roberts Family Trust for the purposes of irrigation and this is avoided by the take being reticulated through the domestic water supply system only. Confirmation of compliance with rule clauses and compliance descriptions are provided on Pages 5 to 6 of the Application Report, whereby full compliance with Rule 12.1.2.4 is able to be achieved.

Environmental Associates Ltd
In association with GeoSolve
Level 1, 70 Macandrew Road
PO Box 2079, South Dunedin 9044
Telephone +64-3-777 3546

Additionally, compliance with the PA take is afforded by use of a separate dedicated pump of approximately 1 L/s maximum rate (well within the 10 L/s allowed under the rule), and with domestic supply water metering, to restrict the take on any 3-days per calendar month to no more than 100,000 L/day, in combination with any water taken under Rule 12.1.2.1. This is summarised in Table 1 and explained within the first paragraph on Page 3 of the Application Report.

4. Confirmation of compliance with Rule 12.1.2.5

Water taken under Rule 12.1.2.5 (for any use, including that of irrigation), is except as being provided for by Rules 12.1.1.1 to 12.1.2.4. This means that when water is taken to the extent of Rule 12.1.2.1 and Rule 12.1.2.4, no water is able to be taken under Rule 12.1.2.5 for any landholding. This is as summarised in Table 1 and explained within the first paragraph on Page 3 of the Application Report. It is thus unlikely that any significant quantum of water may be taken under Rule 12.1.2.5 for the Roberts Family Trust.

However, should any other use or irrigation water be required at the Roberts Family Trust landholding, and water is not already taken to the extent of that permitted by Rules 12.1.2.1 and 12.1.2.4, full compliance with the rule (clauses) is able to be achieved, of which is explained on Pages 6 to 7 of the Application Report.

In addition, compliance with the rate and volumetric clauses of Rule 12.1.2.5 is achieved by appropriate pump sizing to take a maximum of 0.5 L/s, and separate dedicated water metering to ensure that only a maximum of 25,000 L/day may be taken, and except as provided for by Rules 12.1.1.1 to 12.1.2.4. Any water taken under this rule is reticulated separately to that of domestic supply water. As identified in the Application Report on Page 7, the limiting of PA takes to no more than is allowed under the relevant rules, will have no more than a minor effect upon the environment.

Yours faithfully

Tom Heller

Director: Water & Environmental



Environmental Associates Ltd

Email: theller100@gmail.com

From: "Leon West" <leon@maestroprojects.co.nz>
Sent: Thu, 22 Sep 2022 18:02:42 +1200
To: "Cam Jones" <cameron.jones@qldc.govt.nz>
Cc: "Leon West" <leon@maestroprojects.co.nz>; "Sarah Gathercole" <Sarah.Gathercole@qldc.govt.nz>; "Morgan Shepherd (Morgan@brownandcompany.co.nz)" <morgan@brownandcompany.co.nz>; "Tom Heller (theller100@gmail.com)" <theller100@gmail.com>
Subject: Pringles Creek Surface Water Take CoC and application
Attachments: Certificate of Compliance Application - Roberts Family Trust.pdf, Attachment A - Site Plan.pdf, 190920 Further information RM19.307.pdf, 190930 RM19.307 Information Response - Roberts Family Trust.pdf, Certificate of compliance RM19.307.01.pdf

Hi Cam,

Great to meet you today. As discussed, I have attached the original ORC Certificate of Compliance (CoC) application, s92 responses and granted CoC which provides a background to Tom's responses. If you could have a look and see what more information you need so Tom/Morgan can respond formally next week?

We could provide the ORC consent for the Mount Cardrona Station take (higher up Pringles Creek) and has a high residual flow condition that is positive for downstream users such. In the ORC CoC application, you will see that Tom has calculated the *Pringles Creek flows through the Roberts Family Trust landholding on Lot 1 DP 433836 (Attachment A), and has a total catchment area of 7.009 km². The creek has an estimated 7-day MALF of 35 L/s, and is a perennial tributary of the Cardrona River. The NIWA low flow estimator provides an average SMALF of 5 L/s/km² for the Pringles Creek catchment.*

Regards,

Leon West
Project Manager
BE Civil, PG Dip Bus&Admin (Dist)
+64 21 662029
leon@maestroprojects.co.nz
PO Box 1625 Queenstown 9348
www.maestroprojects.co.nz



Otago Regional Council
70 Stafford Street
Private Bag 1954
Dunedin

29 August 2019
Environmental Associates Ltd
Our Ref: EA00153

Attention: Manager Consents

Application for Certificate of Compliance under S139 of the Resource Management Act, Roberts Family Trust, Cardrona

1. Introduction

The Roberts Family Trust (the applicant), is applying to the Otago Regional Council for a certificate of compliance under section 139 of the Resource Management Act, for an activity to be undertaken within the permitted activity rules of the Regional Plan: Water for Otago (RPW), in respect of abstraction of water from a natural waterway from within the property, for use at the applicant's landholding.

The proposed water abstraction activity is to occur at or about grid co-ordinates NZTM 1,284,107 m E and 5,023,704 m N, and is situated on land parcel Lot 1, DP 433836. The applicant's landholding refers to adjoining properties: Lot 1, DP 433836, Lot 6, DP 344432, and Lot 1 DP 425268. A map of the landholding and surrounds is given in **Attachment A**, including the proposed surface water take location. The owner of the land which the activity is situated on is the Roberts Family Trust, C/- Leon West, Maestro Projects Limited, PO Box 1625, Queenstown 9348. The contact details for Leon West are: telephone 021 662029, email leon@maestroprojects.co.nz. The applicant's property is situated on Curtis Road, Cardrona.

In the first instance, regarding application detail, please contact the writer: Tom Heller (consultant), Environmental Associates Ltd, PO Box 2079, South Dunedin 9044. Contact telephone number 03 777 3546, email theller100@gmail.com.

2. Requested Certificate of Compliance

The requested certificate of compliance in respect of the Roberts Family Trust property, is for the proposed abstraction of water that is able to be undertaken within the permitted activity rules of the RPW and specifically:

Rules 12.1.2.1, 12.1.2.4 and 12.1.2.5 The taking and use of surface water as a permitted activity.

Environmental Associates Ltd
In association with GeoSolve
Level 1, 70 Macandrew Road
PO Box 2079, South Dunedin 9044
Telephone +64-3-777 3546

3. Potential Effects upon the Environment

This section describes: the nature of the activity, the environmental setting, the effects of the activity, and how the activity may be carried out under the relevant permitted activity rules within the RPW. The proposed activity is a permitted activity surface water take from Pringles Creek for domestic water supply, stockwater, and some irrigation of land, from the waterbody that occurs within the boundary of the applicant’s property (**Attachment A**). The take of water for the applicant’s landholding may occur under rules 12.1.2.1, 12.1.2.4 and 12.1.2.5 of the RPW, which are shown in Table 1 below.

The applicant’s landholding is also part share in an authorised (consented) water take from Pringles Creek (RM17.212.01), which allows up to 3,000 L for water supply to the landholding on a daily basis. Consent RM17.212.01 abstracts water from Pringles Creek for a communal domestic and irrigation water supply, at a rate not exceeding 1 L/s. Consistent with the RPW, the abstraction of water under the relevant permitted activity framework is considered to be in addition to that which is authorised by resource consent, with the permitted activity being regarded as the permitted baseline.

Table 1

Permitted and Consented Water Takes for the Roberts Family Trust Landholding

Rule and Consent rate, volume and use	12.1.2.1¹ 0.5 L/s and 25,000 L/day Domestic and animal drinking water only	12.1.2.4¹ 10 L/s and 100,000 L/day Not for irrigation 3 days per month	12.1.2.5 0.5 L/s and 25,000 L/day For any use	RM17.212.01 1 L/s² and 3,000 L/day For any use
Maximum daily volume (L)	25,000	100,000	25,000	3,000
Maximum monthly volume (30-day month - L)	750,000	300,000	750,000	90,000
Maximum potential domestic water use	750,000	300,000	750,000	90,000
Maximum potential irrigation water use	0	0	750,000	90,000
Subject to suspension	0	300,000	750,000	90,000 ³

Notes: 1. Permitted activity not subject to a per-landholding requirement.
 2. Cumulative instantaneous rate of take.
 3. Subject to suspension if utilised for irrigation purposes.

Whilst the relevant permitted activities and the applicant's share of consented water (above in Table 1), outlines the respective volumes of water available for potential uses at the applicant's landholding, regarding the cumulative permitted activity considerations, the maximum potential water abstraction is thus restricted to the following:

- Total maximum daily and monthly volume – 103,000 L/day for 3 days/month (otherwise 28,000 L/day) and 1,065,000 L/month (for 30-day month),
- Total maximum daily and monthly domestic use water volume - 103,000 L/day for 3 days/month (otherwise 28,000 L/day), with a partial suspension component of 75,000 L/day for 3 days/month, and 1,065,000 L/month, which has a partial suspension component of 225,000 L/month, and
- Total maximum daily and monthly irrigation use water volume – 28,000 L/day, fully subject to suspension, and 840,000 L/month, fully subject to suspension.

It should also be noted that permitted activity Rules 12.1.2.1 and 12.1.2.4 are not subject to a per-landholding requirement. This allows for multiple takes of water within Rule 12.1.2.1 and Rule 12.1.2.4 on any landholding(s) for the supply of domestic water and stockwater, consistent with the Resource Management Act. The limit of cumulative water takes under Rule 12.1.2.1 and Rule 12.1.2.4 is then considered to be the reasonable needs for domestic water supply and stockwater requirements. The above maximum potential water abstraction figures utilise only one permitted take under Rules 12.1.2.1 and 12.1.2.4, in which (as above) there is effectively no upper limit for multiple takes for the supply of reasonable domestic water and stockwater for any landholding(s). However, in consideration of the cumulative impact of the permitted activity rules, irrigation water usage on a per-landholding basis for the applicant's property is restricted to a maximum of 840,000 L/month, notwithstanding the amount of water taken for reasonable domestic supply and stockwater uses.

Pringles Creek flows through the Roberts Family Trust landholding on Lot 1 DP 433836 (**Attachment A**), and has a total catchment area of 7.009 km². The creek has an estimated 7-day MALF of 35 L/s, and is a perennial tributary of the Cardrona River. The NIWA low flow estimator provides an average SMALF of 5 L/s/km² for the Pringles Creek catchment.

The permitted rate of surface water take for the applicant's landholding (Table 1), is normally up to 0.5 L/s, and on occasion for 3 days per month, may increase to 1.16 L/s. These rates of take are equivalent to 1.4% and 3.3% of MALF for Pringles Creek respectively. Given the estimated MALF of 35 L/s, the permitted activity take constitutes a De Minimis effect upon flow in Pringles Creek. Thus, the proposed water take for the applicant's landholding undertaken within the permitted activity rules of the RPW, will have a less than minor effect upon the environment, and are considered in that instance, to be part of the baseline afforded by the permitted activity status.

Additional water taken under authorised resource consent RM17.212.01, has already considered the permitted baseline effect, and by consent authority s42A reporting, constitutes no more than a minor effect upon the environment.

In terms of compliance with specific permitted activity rules, an assessment of compliance is provided in the following section of this report. Any take of surface water for use at the applicant's landholding complies with relevant RPW permitted activity rules by ensuring:

- That the take of surface water is within the relevant rates and volumes afforded by the permitted activity(s),
- That the use of water at the landholding is restricted to the available uses afforded by the permitted activity(s), and
- That there is no adverse effect upon the environment and other lawful water users.

In summary, there are no obstacles within the permitted activity rule framework that may prevent the Roberts Family Trust from achieving compliance for the proposed water take. The permitted activity water take rules in the RPW are all fully able to be complied with. Under these circumstances the applicant's water take activity would be consistent with the permitted baseline afforded by the permitted activity rules within the RPW. In doing so, the effects upon the environment from the activity may be regarded as being less than minor or De Minimis.

4. Analysis of Permitted Activity Rules

The following RPW permitted activity rules have been analysed for compliance (with activity compliance in *italics*), regarding the taking of water from Pringles Creek, for the Roberts Family Trust property, and having regard to the environmental effects assessment undertaken in the previous section of this report.

12.1.2 Permitted activities: No resource consent required

12.1.2.1 The taking and use of surface water for domestic needs or the needs of animals for drinking water is a *permitted* activity providing:

(a) No take is for a volume greater than 25,000 litres per day; and

Complies: The taking of domestic water or animal drinking water under this permitted activity for the applicant's landholding is for a volume not greater than 25,000 litres per day.

(b) No take is at a rate greater than 0.5 litres per second in the North Otago, Maniototo or Central Otago sub-regions (as identified on Maps A1-A8), or greater than 1 litre per second elsewhere in Otago; and

Complies: The taking of domestic water or animal drinking water under this permitted activity for the applicant's landholding is at a rate not greater than 0.5 litres per second from Pringles Creek.

(c) The taking or use does not have an adverse effect on the environment.

Complies: The taking of domestic water or animal drinking water under this permitted activity for the applicant's landholding at a rate not greater than 0.5 litres per second from Pringles Creek, is a rate that is equivalent to approximately 1.4% of MALF. Thus, the take is suitably small so that no adverse effect upon the environment would develop. The effect of the take is considered to be within the permitted baseline.

12.1.2.4 Except as provided for by Rules 12.1.1.1 to 12.1.2.3, the taking and use of surface water for no more than 3 days in any one month, is a **permitted** activity, providing:

(a) The water is not used for irrigation; and

Complies: The taking of water under Rule 12.1.2.4 for 3 days per month is not used for irrigation at the applicant's landholding that is otherwise taken for that use under Rule 12.2.2.5.

(b) There is no change to the water level range or hydrological function of any Regionally Significant Wetland; and

Complies: There are no Regionally Significant Wetlands in proximity of the water take and the take under Rule 12.1.2.4 is small (an additional 75,000 litres per day for 3 days, over the volume of water otherwise taken under Rule 12.1.2.1 or Rule 12.1.2.5).

(c) There is no damage to fauna, or New Zealand native flora, in or on any Regionally Significant Wetland; and

Complies: There are no Regionally Significant Wetlands in proximity of the water take and the take under Rule 12.1.2.4 is small (an additional 75,000 litres per day over 3 days, over the volume of water otherwise taken under Rule 12.1.2.1 or Rule 12.1.2.5).

(d) No lawful take of water is adversely affected as a result of the taking; and

Complies: The taking of water under Rule 12.1.2.4 (over and above that otherwise taken under Rule 12.1.2.1 or Rule 12.2.2.5), equates to an average daily rate of 0.87 litres per second which is equivalent to approximately 2.5% of MALF for Pringles Creek. Thus, the take is suitably small so that no adverse effect upon any other lawful take of water would develop. The effect of the take is considered to be within permitted baseline.

(e) No take is for a volume greater than 100,000 litres per day; and

Complies: The taking of water under Rule 12.1.2.4 and in combination with that otherwise taken under Rule 12.1.2.1 or Rule 12.1.2.5, does not exceed 100,000 litres per day for 3 days per month.

(f) No take is at a rate greater than 10 litres per second; and

Complies: The taking of water under Rule 12.1.2.4 does not exceed 10 litres per second.

(g) No back-flow of any contaminated water occurs to the water body; and

Complies: No back-flow of any contaminated water is able to occur to the water body.

(h) Fish are prevented from entering the intake structure; and

Complies: The take of water is suitably screened to prevent fish from entering the intake.

(i) The taking of surface water is not suspended.

The Otago Regional Council may, by public notice, suspend the taking of water under this rule if the taking of water as primary allocation, under a resource consent has had to cease in accordance with Rule 12.1.4.9, for the catchment or river, or part of the catchment or river, at which the taking of water under this rule is occurring.

Complies: The taking of water under Rule 12.1.2.4 over and above that taken under Rule 12.1.2.1 is able to be suspended, and the activity may cease for up to any 3-day per month period.

12.1.2.5 Except as provided for by Rules 12.1.1.1 to 12.1.2.4, the taking and use of surface water is a *permitted* activity, providing:

(a) There is no change to the water level range or hydrological function of any Regionally Significant Wetland; and

Complies: There are no Regionally Significant Wetlands in proximity of the water take and the take under Rule 12.1.2.5 is small at a rate of 0.5 litres per second, which is equivalent to approximately 1.4% of MALF for Pringles Creek.

(b) There is no damage to fauna, or New Zealand native flora, in or on any Regionally Significant Wetland; and

Complies: There are no Regionally Significant Wetlands in proximity of the water take and the take under Rule 12.1.2.5 is small at a rate of 0.5 litres per second, which is equivalent to approximately 1.4% of MALF for Pringles Creek.

(c) No lawful take of water is adversely affected as a result of the taking; and

Complies: The taking of water under Rule 12.1.2.5 is small at a rate of 0.5 litres per second, which is equivalent to approximately 1.4% of MALF for Pringles Creek. Thus, the take is suitably small so that no adverse effect upon any other lawful take of water would develop. The effect of the take is considered to be within permitted baseline.

(d) No take is for a volume greater than 25,000 litres per day at any landholding; and

Complies: The taking of water under Rule 12.1.2.5 is for a volume not greater than 25,000 litres per day at the applicant's landholding.

(e) No take is at a rate greater than 0.5 litres per second in the North Otago, Maniototo or Central Otago sub-regions (as identified on Maps A1-A8), or greater than 1 litre per second elsewhere in Otago; and

Complies: The taking of water under Rule 12.1.2.5 for the applicant's landholding is at a rate not greater than 0.5 litres per second from Pringles Creek.

(f) No back-flow of any contaminated water occurs to the water body; and

Complies: No back-flow of any contaminated water is able to occur to the water body.

(g) Fish are prevented from entering the intake structure; and

Complies: The take of water is suitably screened to prevent fish from entering the intake.

(h) The taking of surface water is not suspended.

The Otago Regional Council may, by public notice, suspend the taking of water under this rule if the taking of water as primary allocation, under a resource consent has had to cease in accordance with Rule 12.1.4.9, for the catchment or river, or part of the catchment or river, at which the taking of water under this rule is occurring.

Complies: The taking of water under Rule 12.1.2.5 over and above that taken under Rule 12.1.2.1 is able to be suspended, and the activity may cease upon suspension.

12.1.4.9 The suspension of takes

It is a term of any taking of surface water under Rules 12.1.1A.1, 12.1.2.4, 12.1.2.5 and 12.1.4.2 to 12.1.4.7 that, when the flow is equal to or less than a minimum flow applied by or under these rules, the Council may, by public notice, suspend all taking to enable the minimum flow to be met.

Complies: Any taking of water under Rule 12.1.2.4 and Rule 12.1.2.5 is able to cease upon suspension.

Under the Regional Plan: Water for Otago, the principal reasons for adopting the above relevant rules, refer to:

- The taking and use of water can only occur if it is expressly allowed by a rule in a regional plan, or in any relevant proposed regional plan, or by a resource consent (Section 14(3) of the Resource Management Act).
- The taking and use of surface water under Rules 12.1.2.1 to 12.1.2.6 will have no more than minor adverse effects on the natural and human use values supported by water bodies, or on any other person taking water. These rules are adopted to enable access to resources while providing protection for those values and uses.

Should any further information be required with respect to the above application for Certificate of Compliance, please respond in the first instance to the report writer.

Page 8
29 August 2019
Environmental Associates Ltd
Our Ref: EA00153

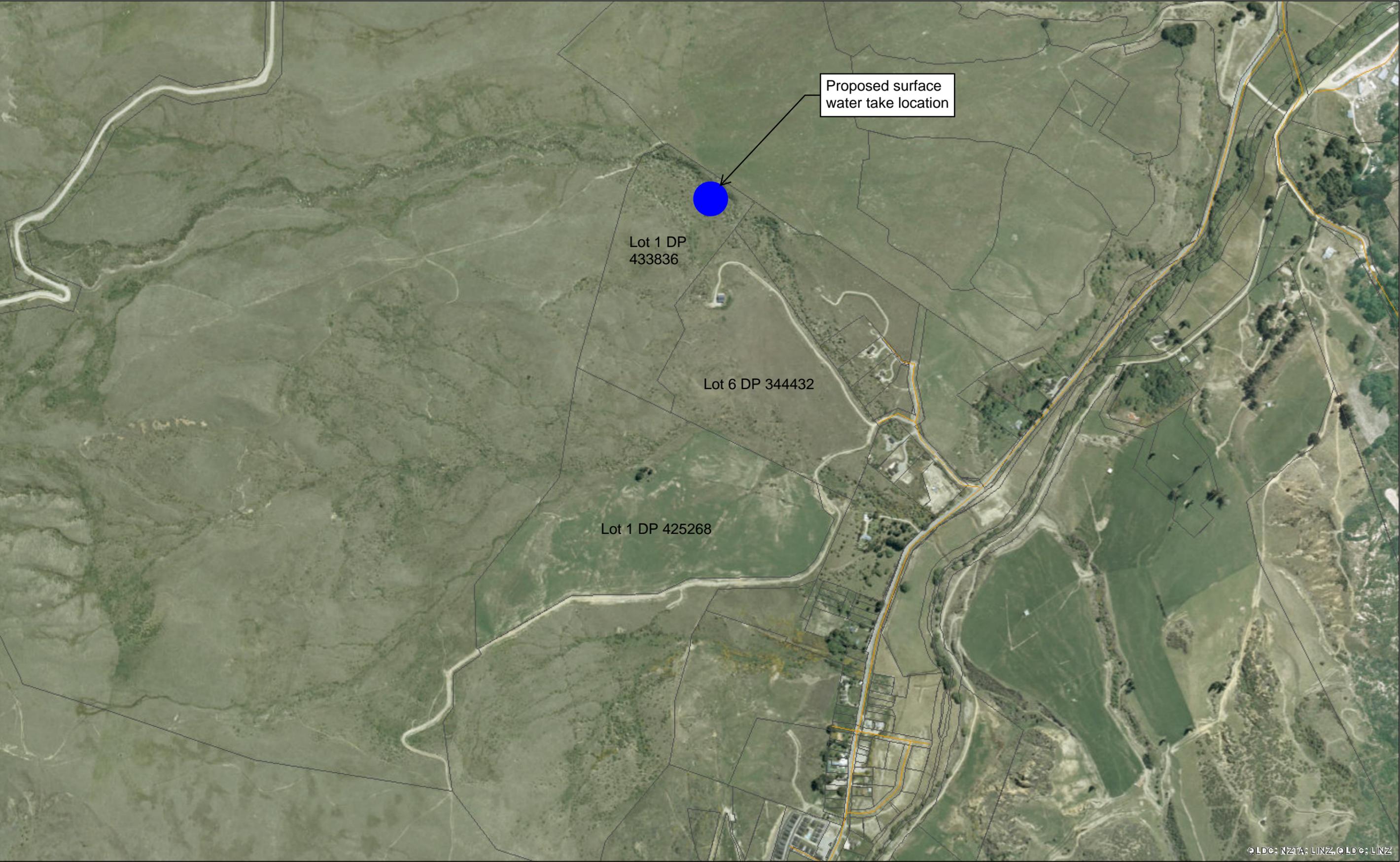
The \$200.00 (including GST), application fee is enclosed.

Yours faithfully
Tom Heller
Director: Water & Environmental

A handwritten signature in blue ink, appearing to read 'Tom Heller', is enclosed in a light blue rectangular box.

Environmental Associates Ltd
Email: theller100@gmail.com

Proposed surface water take



The information provided on this map is intended to be general information only. While considerable effort has been made to ensure that the information provided on this site is accurate, current and otherwise adequate in all respects, Queenstown Lakes District Council does not accept any responsibility for content and shall not be responsible for, and excludes all liability, with relation to any claims whatsoever arising from the use of this site and data held within.



Our Reference: A1271525

20 September 2019

Roberts Family Trust
C/- Tom Heller
Environmental Associates Ltd
PO Box 2079
South Dunedin 9044

Dear Sir/Madam

Request for Further Information under Section 139(4) of the Resource Management Act 1991 (the Act)-Certificate of Compliance Application- Roberts Family Trust- RM19.307

Thank you for your request for a Certificate of Compliance to take surface water under Rule's 12.1.2.1, 12.1.2.4 and 12.1.2.5 of the Regional Plan: Water for Otago (RPW).

An initial assessment of your application has been made. However, to be certain that your activity meets all provisions of the permitted activity rules highlighted above, we request some further information under Section 139(4) of the Act. Please forward the following information:

- Clarification is required that you are taking a separate water take under each of the rule's, being Rule's 12.1.2.1, 12.1.2.4 and 12.1.2.5 of the RPW.
- Rule 12.1.2.1 confirms the taking and use of surface water for domestic needs or the needs of animals for drinking water is a permitted activity, provided clauses (a)-(c) are met under this rule. Please confirm if the water take from this rule is for domestic needs **or** the needs of animals for drinking water and provide evidence that this activity is or will be undertaken on site. Please also confirm how you will comply with clauses (a)-(c) of Rule 12.1.2.1.
- Rule 12.1.2.4 confirms the taking and use of surface water for no more than 3 days in any one month is a permitted activity, provided that clauses (a)-(i) are met under this rule. Please confirm how you will comply with this rule and confirm that this take will not be used for irrigation.
- Rule 12.1.2.5 confirms the taking and use of surface water is a permitted activity provided that the clauses in (a)-(h) are met. Please confirm how you will comply with this rule.

For our future

Until you provide us with a response to this request for information, the processing of a Certificate of Compliance for your activity will not proceed further in accordance with Section 139(6) of the Act.

Once the further information has been received, we will resume processing your request for a Certificate of Compliance. Your certificate should be completed within 20 working days of the receipt of the further information requested in this letter.

If you have any further queries, please contact me on (03) 474 0827 or 0800 474 082.

Yours sincerely



Sarah Davidson
Senior Consents Officer

Otago Regional Council
70 Stafford Street
Private Bag 1954
Dunedin

30 September 2019
Environmental Associates Ltd
Our Ref: EA00153
Your Ref: A1271525

Attention: Sarah Davidson

Application for Certificate of Compliance under S139 of the Resource Management Act, Roberts Family Trust, Cardrona – Provision of Further Information

Please find below, the relevant information requested under S139 of the RMA on 20 September 2019.

1. Clarification of a separate water take under each permitted activity rule

The Roberts Family Trust is able to take water from Pringles Creek under separate individual permitted activity (PA) takes with no overlap of PA water allocations. There are clear components of the rules relating to the volumetric allocation of water (rate and volume), under each PA, of which is summarised in Table 1 and explained within the first paragraph on Page 3 of the Application Report.

2. Confirmation of domestic and animal drinking water to be undertaken on the applicant's site, and compliance with relevant clauses of Rule 12.1.2.1

The water taken under Rule 12.1.2.1 is for domestic needs or animal drinking water only. This (permitted take) is able to be undertaken for those needs on the Roberts Family Trust landholding, which is as described on Page 1, paragraph 2 of the Application Report. Compliance with clauses (a) to (c) of Rule 12.1.2.1 is achieved by appropriate pump sizing to take a maximum of 0.5 L/s, and water metering to take a maximum of 25,000 L/day. As identified in the Application Report on Page 7, the limiting of PA takes to no more than is allowed under the relevant rules (which in this case is a small quantum of water), will have no more than a minor effect upon the environment.

3. Confirmation of compliance with Rule 12.1.2.4

Water taken under Rule 12.1.2.4 is not used by the Roberts Family Trust for the purposes of irrigation and this is avoided by the take being reticulated through the domestic water supply system only. Confirmation of compliance with rule clauses and compliance descriptions are provided on Pages 5 to 6 of the Application Report, whereby full compliance with Rule 12.1.2.4 is able to be achieved.

Environmental Associates Ltd
In association with GeoSolve
Level 1, 70 Macandrew Road
PO Box 2079, South Dunedin 9044
Telephone +64-3-777 3546

Additionally, compliance with the PA take is afforded by use of a separate dedicated pump of approximately 1 L/s maximum rate (well within the 10 L/s allowed under the rule), and with domestic supply water metering, to restrict the take on any 3-days per calendar month to no more than 100,000 L/day, in combination with any water taken under Rule 12.1.2.1. This is summarised in Table 1 and explained within the first paragraph on Page 3 of the Application Report.

4. Confirmation of compliance with Rule 12.1.2.5

Water taken under Rule 12.1.2.5 (for any use, including that of irrigation), is except as being provided for by Rules 12.1.1.1 to 12.1.2.4. This means that when water is taken to the extent of Rule 12.1.2.1 and Rule 12.1.2.4, no water is able to be taken under Rule 12.1.2.5 for any landholding. This is as summarised in Table 1 and explained within the first paragraph on Page 3 of the Application Report. It is thus unlikely that any significant quantum of water may be taken under Rule 12.1.2.5 for the Roberts Family Trust.

However, should any other use or irrigation water be required at the Roberts Family Trust landholding, and water is not already taken to the extent of that permitted by Rules 12.1.2.1 and 12.1.2.4, full compliance with the rule (clauses) is able to be achieved, of which is explained on Pages 6 to 7 of the Application Report.

In addition, compliance with the rate and volumetric clauses of Rule 12.1.2.5 is achieved by appropriate pump sizing to take a maximum of 0.5 L/s, and separate dedicated water metering to ensure that only a maximum of 25,000 L/day may be taken, and except as provided for by Rules 12.1.1.1 to 12.1.2.4. Any water taken under this rule is reticulated separately to that of domestic supply water. As identified in the Application Report on Page 7, the limiting of PA takes to no more than is allowed under the relevant rules, will have no more than a minor effect upon the environment.

Yours faithfully

Tom Heller

Director: Water & Environmental



Environmental Associates Ltd

Email: theller100@gmail.com

OTAGO REGIONAL COUNCIL

RESOURCE MANAGEMENT ACT 1991

SECTION 139 – CERTIFICATE OF COMPLIANCE

APPLICANT: Charles Layton Roberts, Christine Jennifer Roberts and Jo-anne Leslie Johns being Trustees of the Roberts Family Trust

ADDRESS: Curtis Road Cardrona

REFERENCE NUMBER: RM19.307.01

SITE: **Location:** Cardrona, approximately 702 metres north west of the intersection of Curtis Road and Pringles Creek Road.

Grid Reference/GPS location: NZTM 2000: E1284107 N5023704

Legal Description: Lot 1 DP 433836

Introduction

Roberts Family Trust (the applicant) has requested a Certificate of Compliance for taking and using surface water from Pringles Creek within the Cardrona River Catchment as a permitted activity.

The relevant plan is the Regional Plan: Water for Otago (RPW).

Relevant Rules

The applicant has sought a Certificate of Compliance under Rule 12.1.2.1, Rule 12.1.2.4 and Rule 12.1.2.5 of the RPW which state the following:

- “12.1.2.1 The taking and use of surface water for domestic needs or the needs of animals for drinking water is a **permitted** activity providing:
- (a) No take is for a volume greater than 25,000 litres per day; and
 - (b) No take is at a rate greater than 0.5 litres per second in the North Otago, Maniototo or Central Otago subregions (as identified on Maps A1-A8), or greater than 1 litre per second elsewhere in Otago; and
 - (c) The taking or use does not have an adverse effect on the environment.”

- “12.1.2.4 Except as provided for by Rules 12.1.1.1 to 12.1.2.3, the taking and use of surface water for no more than 3 days in any one month, is a **permitted** activity, providing:
- (a) The water is not used for irrigation; and

- (b) There is no change to the water level range or hydrological function of any Regionally Significant Wetland; and
- (c) There is no damage to fauna, or New Zealand native flora, in or on any Regionally Significant Wetland; and
- (d) No lawful take of water is adversely affected as a result of the taking; and
- (e) No take is for a volume greater than 100,000 litres per day; and
- (f) No take is at a rate greater than 10 litres per second; and
- (g) No back-flow of any contaminated water occurs to the water body; and
- (h) Fish are prevented from entering the intake structure; and
- (i) The taking of surface water is not suspended.

The Otago Regional Council may, by public notice, suspend the taking of water under this rule if the taking of water as primary allocation, under a resource consent has had to cease in accordance with Rule 12.1.4.9, for the catchment or river, or part of the catchment or river, at which the taking of water under this rule is occurring.”

“12.1.2.5 Except as provided for by Rules 12.1.1.1 to 12.1.2.4, the taking and use of surface water is a **permitted** activity, providing:

- (a) There is no change to the water level range or hydrological function of any Regionally Significant Wetland; and
- (b) There is no damage to fauna, or New Zealand native flora, in or on any Regionally Significant Wetland; and
- (c) No lawful take of water is adversely affected as a result of the taking; and
- (d) No take is for a volume greater than 25,000 litres per day at any landholding; and
- (e) No take is at a rate greater than 0.5 litres per second in the North Otago, Maniototo or Central Otago subregions (as identified on Maps A1-A8), or greater than 1 litre per second elsewhere in Otago; and
- (f) No back-flow of any contaminated water occurs to the water body; and
- (g) Fish are prevented from entering the intake structure; and
- (h) The taking of surface water is not suspended.

The Otago Regional Council may, by public notice, suspend the taking of water under this rule if the taking of water as primary allocation, under a resource consent has had to cease in accordance with Rule 12.1.4.9, for the catchment or river, or part of the catchment or river, at which the taking of water under this rule is occurring.”

Rule 12.1.2.1, Rule 12.1.2.4 and Rule 12.1.2.5 of the RPW are permitted activities provided the clauses under each Rule are met.

Details of the Activity for Which a Certificate of Compliance is Sought

The applicant proposes to abstract surface water from Pringles Creek located on Lot 1 DP 433836 for the following purposes:

- Domestic water supply and stock water supply under Rule 12.1.2.1 of the RPW restricted to a daily volume of 25,000 litres at a maximum rate of 0.5 Litres per second (L/s);
- A 3 day take per calendar month under Rule 12.1.2.4 where no water under Rule 12.1.2.1 and Rule 12.1.2.5 of the RPW will be taken on these three days. Water taken under this Rule will not exceed 100,000 litres per day and will not exceed a rate of 1.16 L/s.
- Irrigation water and water for other uses under Rule 12.1.2.5 of the RPW that is not provided for under Rule 12.1.2.1 and 12.1.2.4. Water taken under this Rule will not exceed the maximum take of 25,000 litres per day and will not exceed a rate of 0.5 L/s. Water taken under this Rule will be reticulated separately from the domestic water take and will have a separate dedicated water meter.

The point of abstraction from Pringles Creek will occur approximately at Map Reference NZTM 2000 1284107E and 5023704N. Pringles Creek is located within the Cardrona River Catchment.

The applicant proposes that water abstracted under Rule 12.1.2.5 will be reticulated separately to that of the domestic water supply. The applicants propose water taken under Rule's 12.1.2.1 and 12.1.2.4 will be reticulated through the same domestic water supply system, however the taking of water under Rule 12.1.2.4 will only occur for 3 days per a month and during that time no water will be taken under Rule 12.1.2.1.

The applicant's landholding also has a part share from a consented water take from Pringles Creek (RM17.212.01). Up to 3,000 litres of water is allocated to the property from the consented take on a daily basis.

Compliance With the Permitted Activity Rules

Under the RPW there are no provisions that prevent stacking of surface water under the permitted activity Rules 12.1.2.1, 12.1.2.4 and 12.1.2.5. The following provisions apply under each Rule:

Rule 12.1.2.1:

- (a) *No take is for a volume greater than 25,000 litres per day; and*

The applicant advises water will be metered to take a maximum of 25,000 litres a day and therefore this provision is complied with.

- (b) *No take is at a rate greater than 0.5 litres per second in the North Otago, Maniototo or Central Otago subregions (as identified on Maps A1-A8), or greater than 1 litre per second elsewhere in Otago; and*

The applicant advises an appropriate pump size will be installed on the domestic water take that will limit the rate of this take to a maximum of 0.5 L/s and therefore the proposed take will meet this requirement.

(c) *The taking or use does not have an adverse effect on the environment.*

The applicant has confirmed the estimated seven day mean annual low flow (MALF) of Pringles Creek is 35 L/s and has confirmed the rate of take under Rule 12.1.2.1 is equivalent to 1.4% of the MALF for Pringles Creek and is not expected to have adverse effects on the environment.

The applicant proposes to take water under three different permitted activity rules and this may result in cumulative effects. It is noted that each rule is treated separately and the stacking of permitted activity rules can occur under the RPW. The effects of each of the proposed takes therefore need to be assessed against each relevant rule. Currently the RPW does not provide for addressing the cumulative effects of stacking permitted activity rules.

Rule 12.1.2.4:

(a) *The water is not used for irrigation;*

The applicant advises the take of water under Rule 12.1.2.4 will not be used for irrigation and therefore this requirement will be met.

(b) *There is no change to the water level range or hydrological function of any Regionally Significant Wetland; and*

The proposal complies with this provision as there are no Regionally Significant Wetlands within 10 kilometres (km) of the site.

(c) *There is no damage to fauna, or New Zealand native flora, in or on any Regionally Significant Wetland; and*

The proposal complies with this provision as there are no Regionally Significant Wetlands within 10 km of the site.

(d) *No lawful take of water is adversely affected as a result of the taking; and*

The applicant has estimated the proposed take under Rule 12.1.2.4 is approximately 2.5% of the seven day MALF for Pringles Creek and is unlikely to cause adverse effects on lawful takes of water. It is acknowledged that the take for RM17.212.01 is located within 200 m of the proposed take. The proposed take under Rule 12.1.2.4 is located upstream from the consented take and is not expected to effect residual flows set in conditions of consent of RM17.212.01.

(e) *No take is for a volume greater than 100,000 litres per day; and*

The applicant has confirmed that the take under Rule 12.1.2.4 will not exceed 100,000 L/day on any three days per calendar month. The applicants advise this will be complied with by the use of a domestic water supply meter.

(f) No take is at a rate greater than 10 litres per second; and

A separate dedicated pump is proposed to be used by the applicant that will limit the rate of the take under Rule 12.1.2.4 to approximately 1 L/s. The proposal will therefore comply with this provision.

(g) No back-flow of any contaminated water occurs to the water body; and

The applicant advises no back flow of any contaminated water is able to occur to the water body and therefore the activity complies with this provision.

(h) Fish are prevented from entering the intake structure; and

The applicant advises the take of water is suitably screened to prevent fish from entering the intake and therefore this provision is complied with.

(j) The taking of surface water is not suspended.

The applicant advises the taking of water under Rule 12.1.2.4 is able to cease if the taking of surface water is suspended. Currently the taking of surface water is not suspended.

12.1.2.5

(a) There is no change to the water level range or hydrological function of any Regionally Significant Wetland; and

The proposal complies with this provision as there are no Regionally Significant Wetlands within 10 km of the site.

(b) There is no damage to fauna, or New Zealand native flora, in or on any Regionally Significant Wetland; and

The proposal complies with this provision as there are no Regionally Significant Wetlands within 10 km of the site.

(c) No lawful take of water is adversely affected as a result of the taking; and

The applicant proposes to reticulate water taken under Rule 12.1.2.5 separately from the domestic water take and therefore the take under this Rule is not expected to adversely affect the permitted activity takes under Rule 12.1.2.1 and 12.1.2.4. As previously highlighted the take for RM17.212.01 is located within 200 m of the proposed take. The proposed take under Rule 12.1.2.4 is located upstream from the consented take and is not expected to effect residual flows set in conditions of consent of RM17.212.01.

(d) No take is for a volume greater than 25,000 litres per day at any landholding; and

A separate water meter will be installed to ensure the daily volume allowance of 25,000 L/day is not exceeded.

- (e) *No take is at a rate greater than 0.5 litres per second in the North Otago, Maniototo or Central Otago subregions (as identified on Maps A1-A8), or greater than 1 litre per second elsewhere in Otago; and*

An appropriate sized pump will be installed to limit the rate of the take to a maximum of 0.5 L/s. The proposed take will therefore comply with this provision.

- (f) *No back-flow of any contaminated water occurs to the water body; and*

The applicant advises no back flow of any contaminated water is able to occur to the water body and therefore the activity complies with this provision.

- (g) *Fish are prevented from entering the intake structure; and*

The applicant advises the take of water is suitably screened to prevent fish from entering the intake and therefore this provision is complied with.

- (h) *The taking of surface water is not suspended.*

The applicant advises the taking of water under Rule 12.1.2.5 is able to cease if the taking of surface water is suspended. Currently the taking of surface water is not suspended.

Certification

It is certified that, with regard to the activities at the location specified above, as stated in the application for this certification received by the Consent Authority on 12th September 2019 and the further information received on 30th September 2019 and the further information received on the 4th October 2019 to take surface water from Pringles Creek on Lot 1 DP 433836 for the following purposes:

- Domestic water supply and stock water supply under Rule 12.1.2.1 of the RPW restricted to a daily volume of 25,000 L/day with a maximum rate of 0.5 L/s;
- A 3 day take per calendar month under Rule 12.1.2.4 where no water under Rule 12.1.2.1 and Rule 12.1.2.5 of the RPW will be taken on these three days; and water take under this rule will be no more than 100,000 L/day and will not exceed a rate of 10 L/s.
- Irrigation water and water for other uses under Rule 12.1.2.5 of the RPW that is not provided for under Rule 12.1.2.1 and 12.1.2.4. Water taken under this Rule will not exceed the maximum take of 25,000 L/day and will not exceed a rate of 0.5 L/s.

Can lawfully be taken under permitted activity provisions of Rule 12.1.2.1, Rule 12.1.2.4 and Rule 12.1.2.5 under the Regional Plan: Water for Otago at the date of the application for this certificate, provided it is undertaken as per the application and additional information provided.



Joanna Gilroy
Manager Consents

Date: 31 October 2019

Our Reference: A1271525

20 September 2019

Roberts Family Trust
C/- Tom Heller
Environmental Associates Ltd
PO Box 2079
South Dunedin 9044

Dear Sir/Madam

Request for Further Information under Section 139(4) of the Resource Management Act 1991 (the Act)-Certificate of Compliance Application- Roberts Family Trust- RM19.307

Thank you for your request for a Certificate of Compliance to take surface water under Rule's 12.1.2.1, 12.1.2.4 and 12.1.2.5 of the Regional Plan: Water for Otago (RPW).

An initial assessment of your application has been made. However, to be certain that your activity meets all provisions of the permitted activity rules highlighted above, we request some further information under Section 139(4) of the Act. Please forward the following information:

- Clarification is required that you are taking a separate water take under each of the rule's, being Rule's 12.1.2.1, 12.1.2.4 and 12.1.2.5 of the RPW.
- Rule 12.1.2.1 confirms the taking and use of surface water for domestic needs or the needs of animals for drinking water is a permitted activity, provided clauses (a)-(c) are met under this rule. Please confirm if the water take from this rule is for domestic needs **or** the needs of animals for drinking water and provide evidence that this activity is or will be undertaken on site. Please also confirm how you will comply with clauses (a)-(c) of Rule 12.1.2.1.
- Rule 12.1.2.4 confirms the taking and use of surface water for no more than 3 days in any one month is a permitted activity, provided that clauses (a)-(i) are met under this rule. Please confirm how you will comply with this rule and confirm that this take will not be used for irrigation.
- Rule 12.1.2.5 confirms the taking and use of surface water is a permitted activity provided that the clauses in (a)-(h) are met. Please confirm how you will comply with this rule.

For our future

Until you provide us with a response to this request for information, the processing of a Certificate of Compliance for your activity will not proceed further in accordance with Section 139(6) of the Act.

Once the further information has been received, we will resume processing your request for a Certificate of Compliance. Your certificate should be completed within 20 working days of the receipt of the further information requested in this letter.

If you have any further queries, please contact me on (03) 474 0827 or 0800 474 082.

Yours sincerely



Sarah Davidson
Senior Consents Officer