

TERRALINK INTERNATIONAL 2001 - CRS Survey and Title Data as at 10 June 2002Valuation data as at 03 June 2002Geodetic data as at 11.10.97 Cadastral Information from LINZ Core Record System (CRS). CROWN COPYRIGHT RESERVED.

FZE/ 26/10/93 water n'aters KING MARRIS 996457 5/10/03 238 208186 m 3 Meter # 49 Meter # 73 v 1031 Q WALDRON 1226 S/10/93 JASSENKIA MUS 40009 WL 10736 MR Pamp ()n 1371 3139-14 02113 m3 1873 1 ROOINI PR 0.001m3/9 Metr # 90 MCBalo3al 1000 039854.5 - 0752-1882 WOODLANDS 'AND CONDERS 12/10/93 1786 $00515m^{3}$ W=4 618m @ 0815 864-Meter # 74 v \$74 DP # 2 out # 4 in 994 BAT # 2 " # 4 in KNIGHT -94-AUTOMARRIS 12/10/93 3.768 m 9. H 1528.868m3 S # 5 n # 1 aut 0 953 057233 65 (IRev= rod fres) 949 Meter # 75 25% MARRIS EC113 $208222 m^3$ 2510 Meter # 49 MUB640063 Data added to meters 2 talas

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MARLBOROUGH

File Ref:MLB 840069Ask For:Mrs Bembridge



DISTRICT COUNCIL

29 July 1994

Marlborough District Council P O Box 443 BLENHEIM

Dear Sir

MLB: 840069 Water Right: Take Underground Water Location: Speeds Road Pumping Station, Picton Purpose: Picton Public Water Supply Expiry Date: 2 April 1995

The above consent is due to expire and in order to renew same you are required to complete the attached forms for a Resource Consent and return them to this office. Please see "Guidelines for Renewal of Resource Consents" attached.

Under the Resource Management Act 1991 you are required to consult with parties/neighbours who may be directly affected by the use of your consent and you should supply an environmental assessment, notes are attached for that purpose. This should address any problems you may have encountered i.e. such as consistency of flow of water, over the period of the previous permit and any detrimental effects which may have been experienced by yourself or neighbours. If you feel there have been no significant effects please state this.

If you require assistance in determining who is affected or what technical data is required please contact our Technical Adviser, who will be happy to assist you.

Please return your completed application as soon as possible or advise us if it is no longer required.

Yours faithfully

PB.

PAT BEMBRIDGE RESOURCE CONSENTS OFFICER

@P\0\RMR\CONS\MDC1.DOC mab

CONSILIO		1 Borough Co	uncil
State State	НКМ:НМЈ	Ministerio de la ministeria del construcción de la construcción de	67 HIGH STREET, PICTON, NEW ZEALAND Postal Address: P.O. Box 13
BOROUGH	DE PICTON	WE RECEIVED	Telephone: (057) 37278
	File Reference: 29th September 19	-6 OCT 1785 MARLBOROUGH CATCHMENT BOARD	IBM PAT AWL RKC ROC
,	Mr. John Whale, Marlborough Catchr P.O. Box 145, BLENHEIM.	nent Board,	JTC JAN For Reply DATE FILE No. MUS 840069
	Dear Sir,		C'ttee:
	Water Consumption	Figures - 1985/86	
	As discussed over t are monthly figures	he phone with regards to in gallons:	Speeds Road water supply, the following
	1/3/85 - 31/3/85 1/4/85 - 30/4/85 1/5/85 - 31/5/85 1/6/85 - 30/6/85 1/7/85 - 31/7/85 1/8/85 - 31/8/85 1/9/85 - 30/9/85 1/10/85 - 31/10/85 1/11/85 - 30/11/85 1/12/85 - 31/12/85 1/1/86 - 31/1/86	15,999,865 14,140,150 12,905,100 17,179,600 10,931,777 2,415,800 2,023,900 6,500,000 12,979,500 15,523,000 33,207,000 25,458,000	4546 m3/day. WR. MAX.
þ	Please do not hesita break-down of the t	ate to contact me if you figures above.	require further information or further
	Yours faithfully, Hongy H.K. MAHARAJ. ENGINEERING OFF		

MLB 840069-752

Enquiries to: J.A. Whale

27 May, 1986

Town Clerk, Picton Borough Council, P.O. Box 13, PICTON.

Dear Sir,

WATER RIGHT MLB 840069 SPEEDS ROAD PUMPING STATION.

Please note that your Water Right MLB 840069 issued on 2nd April 1985 has a condition 7 which requires that monthly records of water volumes pumped from your Speeds Road pumping station and storage tank are supplied to my Board. As the anniversary of the date of issue of the Right has now past, I would be grateful if you would comply with the condition and forward records to this office.

Yours faithfully, I.B. MITCHELL, GENERAL MANAGER.

Per: J.A. WHALE, WATER RESOURCES OFFICER.

JAW: PAB

MARLBOROUGH

CATCHMENT BOARD & REGIONAL WATER BOARD

and the second second

31 Parker Street. Blenheim. Telephone 89-099. P.O. Box 145. Blenheim New Zealand

Enquiries to: J.A. Whale

2 April, 1985

The Town Clerk, Picton Borough Council, P.O. Box 13, PICTON.

Dear Sir,

WATER RIGHTS ISSUE

I enclose Water Right MLB 840069 for the taking of underground water from your Speeds Road wells for Picton public water supply.

This Right is subject to the conditions stated. In particular please note condition 7 which reads as follows:-

7) WATER USE RECORDS

The grantee shall supply the Board with a monthly record of water volumes pumped from the Speeds Road pumping station and from the storage tank into the Picton Borough water reticulation system. The records may be submitted at yearly intervals.

Yours faithfully, I.B. MITCHELL, GENERAL MANAGER.

Per: P.A. THOMSON, CHIEF ENGINEER.

PGM:PAB

Encl.

MARLBOROUGH CATCHMENT BOARD

(Acting as the Regional Water Board)

P.O. Box 145, Blenheim.

WATER RIGHT NO. MLB 840069 BOARD MINUTE NO. 31247

The Chairman and Members of the Marlborough Catchment Board (hereinafter referred to as the 'Board'), hereby grants to:

Picton Borough Council,

of	DAD	Av 12	Picton	
01	r.v. D	UX LJy	- riciuți	

(Hereinafter referred to as the Grantee) a RIGHT pursuant to Section 21 (3) of the Water and Soil Conservation Act 1967 to:-

take underground water for Picton public water supply.

(1)

	, ,						: :
Legal	Description:	Sec.	161	Picton	Suburban	R.D.	
							-
							1 - - - 1

according to the Schedule hereto provided such RIGHT is exercised in accordance with the General Terms and Conditions relating to the RIGHT attached hereto.

SignedChief Engineer	Signed <u>II hufauchlan</u> Chairman
DATED THIS Second	DAY OF April, 1985

MARLBOROUGH CATCHMENT BOARD

4.5.

(Acting as the Regional Water Board)

WATER RIGHT No. __MLB_840069

ITEM NO.	DESCRIPTION	QUANTITY	DATE OF APPROVAL
1	to take	45 46 cubic metres per day	

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S C H E D U L E

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MARLBOROUGH REGIONAL WATER BOARD

TERMS AND CONDITIONS RELATING TO WATER RIGHT NO. MLB 340069

The Board grants this RIGHT subject to all the relevant provisions of the Water & Soil Conservation Act 1967 and its Amendments, and to any regulations made thereunder. It is the obligation of the Grantee of this RIGHT to comply with all statutory requirements relating to the exercise thereof. The Board imposes the following conditions numbered 1 to $_7$ to promote the efficient and proper use of water in the public interest and to provide adequately for changing demands for water and for changing trends in water use during the period of this RIGHT.

1) TERM OF RIGHT

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(日)

The Board grants this RIGHT for a period of ten years until it expires on 2nd April, 1995. However the RIGHT may be cancelled by notice in writing to the grantee of the Board if it is not exercised within 12 months of the date of the granting of the RIGHT.

2) CANCELLATION OF RIGHT IN PUBLIC INTEREST

The RIGHT may be cancelled by not less than 12 months notice in writing by the Board to the Grantee, if in the opinion of the Board the Public interest so requires, but without prejudice to the right of the grantee to apply for a further RIGHT in respect of the same matter.

3) RECORDS TO BE KEPT

The grantee of this RIGHT shall keep such records as may reasonably be required by the Board, and shall if so requested, supply this information to the Board. If it is necessary to install measuring devices to enable satisfactory records to be kept, the grantee shall, at his own expense, install suitable devices.

4) ACCESS FOR BOARD, STAFF AND AGENTS

This RIGHT is granted subject to the Board or its servants or agents being permitted access at all reasonable times for the purposes of carrying out inspections and measurements.

5) STRUCTURES, CONSTRUCTION & WORKS

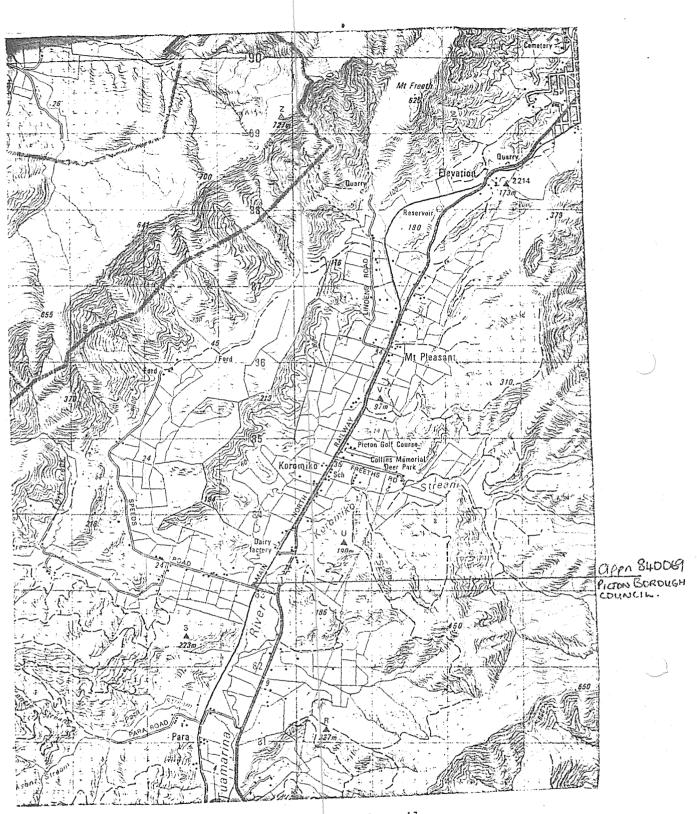
The design and maintenance of any works relating to this RIGHT must be of a standard adequate to meet any conditions of the RIGHT.

6) NOTIFICATION OF CHANGES IN DOCUMENTED INFORMATION

If significant changes or alterations relating to the operation or documentation of this Right occur, the Grantee shall inform the Chief Engineer to the Board by providing written details of the nature and reasons for the changes or alterations.

7) WATER USE RECORDS

The grantee shall supply the Board with a monthly record of water volumes pumped from the Speeds Road pumping station and from the storage tank into the Picton Borough water reticulation system. The records may be submitted at yearly intervals.



Application MLB 840069 Picton Borough Council Sec. 161 Picton Suburban R.D.

Approximate location of extraction point.

21 March 1985

The Chairman, Marlborough Catchment and Regional Water Board

Dear Sir,

The following is my report on Water Right Application No. MLB 840069.

APPLICATION DETAILS

Name of Applicant: Address of Applicant: Location of Right Required:	Picton Borough Council P.O. Box 13, Picton Speeds Road pumping station adjacent to the railway crossing.
Grid Ref: Date Received: Date Advertised: Purpose of Right:	P27:894831 26.11.84 22.01.85 To take underground water for Picton public water supply.
Quantity to be taken:	4546m ³ per day at a rate of 228m ³ per hour.

Objections Received: Nil.

This application is for a replacement of Water Right MLB 720004.

The application is for taking underground water from three wells.

In recent times the District Health Officer has received complaints from Picton residents who object to tastes and odours in the Picton Borough water supply. Water testing has been conducted by D.S.I.R. Christchurch and the Health Inspector has made the result sheets available to the Board. In terms of chemical and organic purity the Health Department find the water satisfactory for human consumption.

The water is chlorinated and subject to pH adjustment by the addition of lime before it enters the Picton Borough reticulation system.

Prior to the original Water Right for the pumping station being granted in June 1972, extensive tests and analysis were undertaken to predict the effect the pumping of 4546m³ per day would have on the Tuamarina River and the Blue Hole spring. Calculations confirmed that in extended periods of low rainfall into the catchment of the Tuamarina River, groundwater abstraction from the Speeds Road bores could affect groundwater recharge of the Tuamarina River and reduce river flow by up to 28%. In the 13 years that the pumping station has been operating however, no adverse effects have been recorded on other water users or the Tuamarina River.

Further tests were conducted in 1978 to assess the recharge of the Tuamarina River and the effect of the pumping station on springs in the vicinity. These tests to a large extent confirmed earlier findings.

The actual useage of water by the Picton Borough Council has not yet been assessed. Flow meters have been fitted to both the pumping station and the outlet to the storage tank. Information from these meters has been requested from Picton Borough Council staff.

The closure of the freezing works at Shakespeare Bay, the development of the Port area and the change in status of Waikawa Bay all have had or may have effect on water demand from the bores. It is desirable that in future a record of actual water usage is available to the Board.

RECOMMENDATION

That a Right be granted for a period of 10 years to take underground water for public water supply at a rate of $4546m^3$ per day, subject to the following conditions:

1. TERM OF RIGHT

The Board grants this RIGHT for a period of 10 years until it expires on 2nd April 1995 . However the RIGHT may be cancelled by notice in writing to the grantee by the Board if it is not exercised within 12 months of the date of the granting of the RIGHT.

2. CANCELLATION OF RIGHT IN PUBLIC INTEREST

The RIGHT may be cancelled by not less than 12 months notice in writing by the Board to the Grantee, if in the opinion of the Board the public interest so requires, but without prejudice to the right of the Grantee to apply for a further RIGHT in respect of the same matter.

3. RECORDS TO BE KEPT

The Grantee of this RIGHT shall keep such records as may reasonably be required by the Board, and shall if so requested, supply this information to the Board. If it is necessary to install measuring devices to enable satisfactory records to be kept, the Grantee shall, at his own expense, install suitable devices.

4. ACCESS FOR BOARD, STAFF AND AGENTS

This RIGHT is granted subject to the Board or its servants or agents being permitted access at all reasonable times for the purposes of carrying out inspections and measurements.

5. STRUCTURES, CONSTRUCTION & WORKS The design and maintenance of any works relating to this RIGHT must be of a standard adequate to meet any conditions of the RIGHT.

6. NOTIFICATION OF CHANGES IN DOCUMENTED INFORMATION

If significant changes or alterations relating to the operation or documentation of this Right occur, the Grantee shall inform the Chief Engineer to the Board by providing written details of the nature and reasons for the changes or alterations.

7. WATER USE RECORDS

The grantee shall supply the Board with a monthly records of water volumes pumped from the Speeds Road pumping station and from the storage tank into the Picton Borough water reticulation system. The records may be submitted at yearly intervals.

Please Quote: MLB 840069-129

MARLBOROUGH

CATCHMENT BOARD & REGIONAL WATER BOARD

31 Parker Street, Blenheim. Telephone 89-099. P.O. Box 145, Blenheim, New Zealand.

11 February, 1985

Mr K. Biss, District Inspector of Health, Health Department, P.O. Box 108, BLENHEIM

Dear Mr Biss,

PICTON BOROUGH COUNCIL PUBLIC WATER SUPPLY.

I have received an application from Picton Borough Council in regards renewal of the Water Right to take water from 3 bores at the Speeds Road site for public water supply. (Copy enclosed).

I understand that you have been looking into reasons for the tainting of water from the bores and thank you for the copies of water quality analysis.

I would appreciate any comments you may have on the quality of water from the Speeds Road bores and any submissions you may wish to make in regards the issuing of a Water Right. The closing date for statutory objections is 4.00 p.m. on 19th February, 1985.

Yours faithfully,

P.A. Thomson CHIEF ENGINEER

JAW:PAB

r Singe Stak		
	1.4115	
		Application No. MAB 840069
		Peceipt No. 6251
		Objections
	100 ⁴⁴ Vanadalikarana, akaimana, anan yana yana yana yana yana yana	Received
	Tribunal	Minute Nos.
	Granted	W/A Numbers
	To: The Secretary, Marlborough Catchment Edar P.C. Box 204, <u>BLENHEIM.</u>	a, Renewal.
	WATER AND SOIL	CONSERVATION ACT 1967
	APPLICATION(S) FOR RIGH	T(S) IN RESPECT OF NATURAL WATER
<u>_</u>	Pursuant to Section 21 (3) of t	he Water and Soil Conservation Act 1967
	Full Name (Please Print)	PICTON BOROUGH COUNCIL
	Postal Address	P.O. BOX 13 - PICTON
		Phone 403
	Occupation	LOCAL ALITHORITY
	Hereby applies for Right(s) to: Take/Discharge/Dam/Divert Vater (Delete those that do not apply)
	as specified in the Schedu \$30.00 must accompany each	<pre>le(s) attached. (Note: A fee of application schedule).</pre>
	STATUTO	RY DECLARATION
	Under	Section 24 (5)
	1 GRAHAM BARRY (Name in	DOGGETT full)
	OF DAVIDSON, AYSON & A (Addr	ESSOCIATES - P.O. BOX 256 BLENHEIN ess)
	OCCUPATION DRAUG	HTSMAN
	and the attached documents and and the attached documents and and a second seco	Stere true and correct. And 1 make ntiously believing the same to be true
•		Signature & Applicant
	Declared at Blenheim this Before :	and Regional Water Board (an officer authorised to take statutory and planetions authorised to take statutory C.F. (pr Sclictor or Postraster)

LEGAL DESCRIPTION OF PROPERTY (Refer to your Rate Demand of Valuation Assessment)
SECTION 161 PICTON SUBURBAN R.D.
NAME (S) OF THE OWNER (S) OF THE PROPERTY FICTON BOROUGH COUNCIL
NAME(S) OF THE OCCUPIER(S) OF THE PROPERTY
SITE PLAN
Please show site(s) of Taking/Discharge/Damming/Diversion in relation to Stream(s), Drain(s), River(s) and Road(s). If applicable show property boundaries and names of adjoining property owners.
SEE PLAN 772 / ATTACHED

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SCHEDOLE 1

FEE \$30.00

APPLICATION TO TAKE WATER

(See Notes on Fage 2)

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Water Right No.						
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	- UNDER			er from		
PURPOSE (Tick as Ag	pplicable)					
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	looding			Pasture		
	order Dyked	1		Orchard		
T:	rickle			Other	**** *********************************	
Approximate area	to be irric	ated				
b) Other Uses (State			**** A *** - *** **********************		Photos and a sub-	
		A REAL PROPERTY AND A REAL				
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5. Approximate Time of Day Used

24 HOURS

TO BE COMPLETED WHEN UNDERCHOURD WATER US TO BE TAKEN

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b)	Proposed Size	Dept	h			Size	Depth
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(c)	If Being Pum	ped (State)					
	i) Pump Capac	city		Gal	s/Ho	our	Litres/Hour
Ŀ	i) Type of Pu	amp					
5	Lining Mater:	ial				and the second sec	
1 .	Method of Con		ow From	Artesia	n Bo	ore (If Appl:	icable)
f)	Construction	of New Work	Will St	art			
g)	New Work Will	l be Complet	ed By				
				NOTES			

1. Taking of Water From More Than One Source

Where water is to be taken from Separate Sources, i.e. Different rivers or streams, or from underground, separate Rights will be issued for each source and it is necessary for you to complete a separate application schedule for each source and to pay a fee of \$10.00 per schedule.

2. Metric Conversion

to a the second

By 1976 all measurements will be in metric units. You may complete your application in either gallons or litres, or both. 100 gallons equals 454.6 litres.

3. Detailed Plans

If major structures are proposed for taking water, detailed plans prepared by a competent person are to be submitted with the application.

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			MUB 840069		
	DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH				
D.O. Day 20 101	HEMISTRY		ILAM RESEARCH CENTRE 27 Creyke Rd. Telephone: 516-019 Telegrams: CHEMDIV		
Address correspondence to Governm	nent Analyst		Reference <u>5/1</u> M2774/1 M2774/2		
The Medical Officer of Heal Department of Health PO Box 647 NELSON	th				
Supply : PICTON Sampling location : VKB592 Sampling location : VKB593	TAP AT TRE	ATMENT PLANT	TREATMENT PLANT		
Taken : 2/12/84 Recei	ved : 4/12/84	xeporteo	: 6/12/84		
Inspector's N ANALYSIS Units g/m3, except pH or un		stated.	VKB583		
pH pH after aeration Active to pH 8.3 (as CO2) Total alkalinity to pH4.5 a Alkalinity to pH 8.3 (as CO		** *	6.5 8.0 23 57 NIL		
Turbidity (NTU units) Absorbance units (270nm, 1cm Nitrite Nitrogen Vitrate Nitrogen Phospnate (as P)	0.06 m cell) 0.003 LT 0.0 2.5 LT 0.1		0.23 0.303 LT 0.001 2.5 LT 0.1		
Sulphate Bromide Dhloride Fluoride Dalcium	3.1 LT 0.0 11.9 0.05 7.6	5	3.1 LT 0.05 18.0 0.05 18		
Magnesium Potassium Sodium Compér Iron	3.5 1.3 9.2 LT 0.0 LT 0.0		2.9 1.3 9.2 5.02 LT 0.01		
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Analytical results relate o	nly to the sam	ple as receive	G.		

The letters LT in the above report mean "less than".

This sample does not comply with the following W.H.O. requirements : # outside desirable range ## outside permissible range

The methods of analysis and their precision are available on request.

V-DC O_{i} Hogan $\left(\cdot \right)$



Government Analyst P.O. Box 29-181 Christchurch, New Zealand.

DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH

CHEMISTRY DIVISION CHRISTCHURCH ILAM RESEARCH CENTRE 27 Creyke Rd. Telephone: 516-019 Telegrams: CHEMDIV

Address correspondence to Government Analyst

Reference:

M2774/1 M2774/2

SOURCE AND TREATMENT DETAILS FOR SOURCE 1 ; SPEEDS RD WELL

Source controlled by : PICTON BOROUGH NZMS1 map reference for source : 243 178 Ence type : deep well non-artesian Catchment conditions -Human pollution : not likely "Animal pollution : not likely Treatability : water of constant quality Treatment operations : chlorination-proportional Treatment supervision : trained operator, no regular supervision

SUPPLY AND DISTRIBUTION DETAILS FOR PICTON

Public supply controlled by : PICTON BOROUGH B.O.H. Grading : Ab Use : human consumption Community code No. : 140620 Distribution system -Condition : fair/good Attention : regular M.S.P.R. : enforced Fire hydrants : <50% ball type Pressure : continuous Distribution supervision : consulting engineer Chlorine testing : daily, consistent residuals Bacteria : always <10 coliforms/100ml Reservoirs after treatment : covered

N.B. : Please inform Chemistry Division of any change or omission in the source or supply details.

D Hogan Government Analyst for

Page 1 of 1



Government Analyst P.O. Box 29-181 Christchurch, New Zealand.

CHEMISTRY DIVISION CHRISTCHURCH

ILAM RESEARCH CENTRE 27 Creyke Rd. Telephone: 516-019 Telegrams: CHEMDIV

Address correspondence to Government Analyst

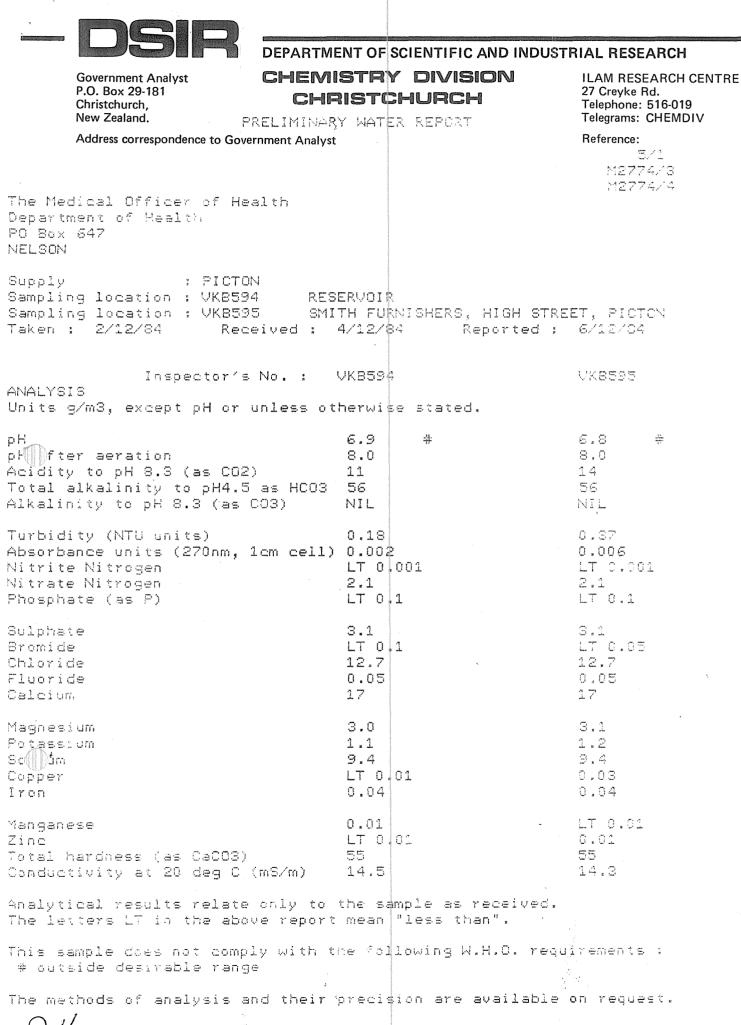
Reference:

5/1 M2774/1 M2774/2

SAMPLE DETAILS FOR VKB592

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Supply name : PICTON Inspector's name : VK BISS Sampling location : UNTREATED WATER HOSE IN TREATM Grid reference for sampling location : S22 243178 Type of sample : Consumer complaint Nature of complaint : taste odour Sample of : untreated water Sample from : plant before treatment Pipe material at sampling point : asbestos cement Copper		1 4	2/12/84
Reason for sampling : MUSTY TASTE AND ODOUR			۰. ۲
SAMPLE DETAILS FOR VKB593			
Supply name : PICTON Inspector's name : VK BISS Sampling location : TAP AT TREATMENT PLANT Grid reference for sampling location : S22 243178 Type of sample : Consumer complaint Nature of complaint : taste odour	Lab No. Taken Received	5	2/12/84
Sample of : treated water Sample from : plant after treatment Pipe material at sampling point : asbestos cement copper			
Sample of : treated water Sample from : plant after treatment Pipe material at sampling point : asbestos cement	402. ¹		
Sample of : treated water Sample from : plant after treatment Pipe material at sampling point : asbestos cement copper	402. ¹		
Sample of : treated water Sample from : plant after treatment Pipe material at sampling point : asbestos cement copper Pipe material in reticulation system :.asbestos cen Treatments in operation : chlorination-auto	402. ¹		



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Government Analyst P.O. Box 29-181 Christchurch, New Zealand.

CHEMISTRY DIVISION

CHRISTCHURCH

ILAM RESEARCH CENTRE 27 Creyke Rd. Telephone: 516-019 Telegrams: CHEMDIV

Address correspondence to Government Analyst

5/1 M2774/3 M2774/4

Reference:

AMPLE DETAILS FOR VKB594

Lab No. : M2774/3 Sugnay name : PICTON Taken : 2/12/84 neplector's name : VK BISS Received : 4/12/84 Sampling location : RESERVOIR brid reference for sampling location : S22 268230 ype of sample : Consumer complaint lature of complaint : taste odour 4 Sample of : treated water ample from : reservoir after treatment 'ipe material in reticulation system : abbestos cement

reatments in operation : chlorination-auto pH adjustment aeration

ree available chlorine at time of sampling : 1.42 otal chlorine at time of sampling : 1.42

.eason for sampling : TASTE AND ODOUR PROBLEMS



Government Analyst P.O. Box 29-181 Christchurch, New Zealand.

DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH CHEMISTRY DIVISION ILAM RESEARCH (27 Cmulti Pd)

CHRISTCHURCH

ILAM RESEARCH CENTRE 27 Creyke Rd. Telephone: 516-019 Telegrams: CHEMDIV

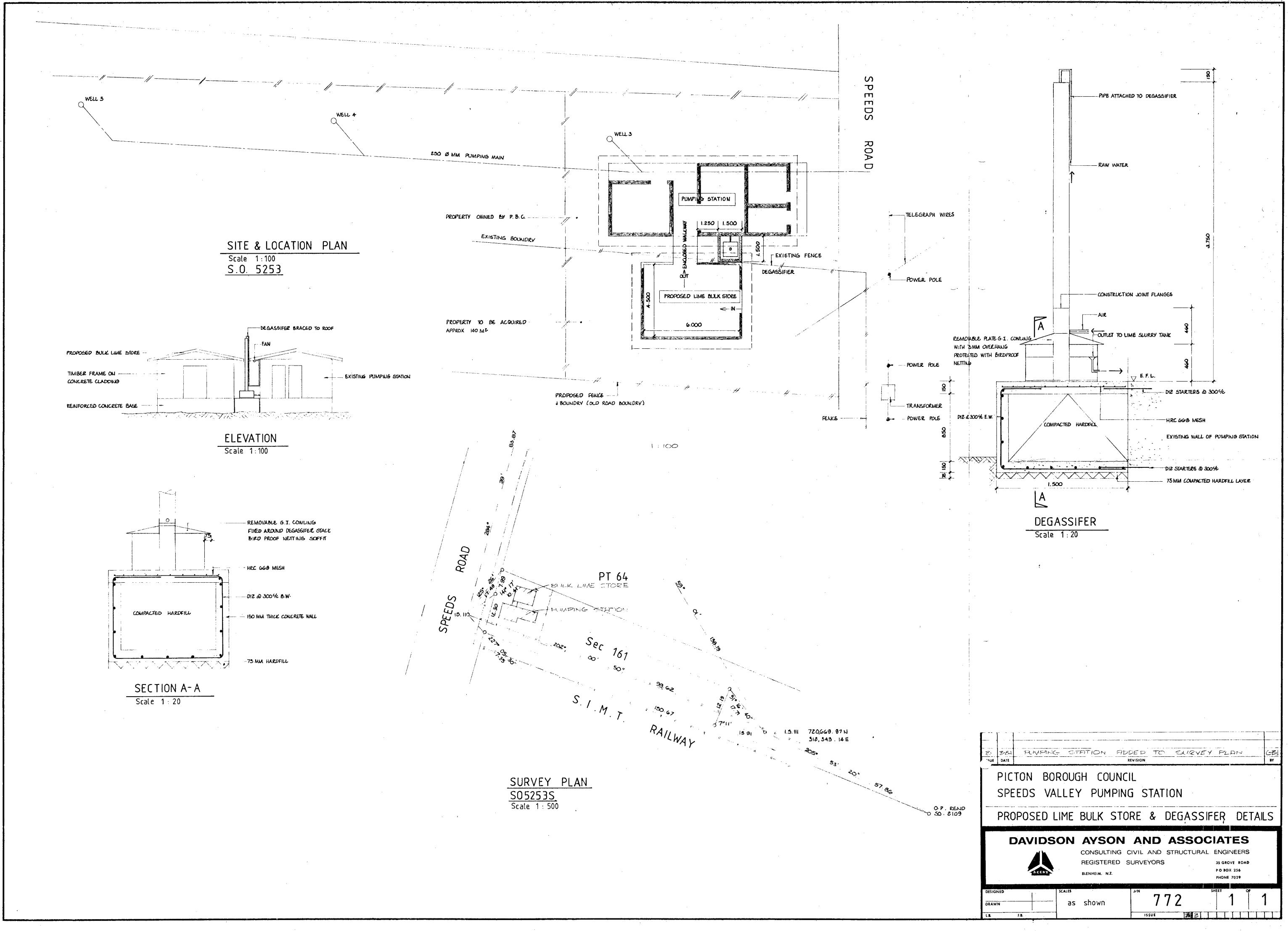
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Address correspondence to Government Analyst

Reference5/1 M2774/3 M2774/4

SAMPLE DETAILS FOR VKB595

Lab No. : M2774/4 Supply name : PICTÓN Taken : 2/12/84 Inspector's name : VK BISS Received : 4/12/84 Sampling location : SMITH FURNISHERS, HIGH STREET, PICTON Gild reference for sampling location : 822 294255 Type of sample : Consumer complaint Nature of complaint : taste odour Sample of : treated water Sample from : reticulation Pipe material at sampling point : polyethylene Pipe material in reticulation system : asbestos cement iron polyethylene Treatments in operation : chlorination-auto pH adjustment aeration Free available chlorine at time of sampling : 1.44 Total chlorine at time of sampling : 1.46 Reason for sampling : TASTE AND ODOUR AROBLEMS and a set of



지않는 너 방법 것 같아?

