



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 621
HONOLULU, HAWAII 96809

SUZANNE D. CASE
CHAIRPERSON
WILLIAM D. BALFOUR, JR.
KAMANA BEAMER, PH.D.
MICHAEL G. BUCK
NEIL J. HANNAHS
PAUL J. MEYER
VIRGINIA PRESSLER, M.D.
JEFFREY T. PEARSON, P.E.
DEPUTY DIRECTOR

May 21, 2018

2-5629-002.cpi.docx

Mr. Bryan Wienand, Manager
Department of Water
County of Kauai
P.O. Box 1706
Lihue, HI 96766

Dear Mr. Wienand:

Certificate of Pump Installation Completion for Piwai 3
Well No. 2-5629-002 (TMK (4) 2-5-001:002), Koloa, Island of Kauai

We are pleased to inform you that the Pump Installation work permitted for the Piwai 3 Well (Well No. 2-5629-002) is complete and acceptable. This certificate of pump installation completion allows you to continue pumping your well for reasonable & beneficial water use.

To protect Hawaii's natural ground water resources for the benefit of all, the following requirements apply to the use of your well:

1. If the well is not in use it must be properly capped.
2. If the well is to be abandoned then the landowner must cause a licensed contractor to apply for a well abandonment permit in accordance with §13-168-12(f), HAR, prior to any well sealing or plugging work.
3. In the event that the well operator and/or landowner changes, the Commission shall be notified prior to the change.
4. In the event the benchmark in the concrete base of the well is altered in any way, an updated version of the Well Elevation page of the Well Completion Report Part I shall be submitted to the Commission. If a licensed surveyor had estimated the original benchmark elevation then a licensed surveyor must establish the new benchmark elevation. The Well Elevation portion of the Well Completion Report Part I can be obtained by contacting Commission staff or at <http://files.hawaii.gov/dlnr/cwrm/forms/WCR1.pdf>.
5. Your approved pump has a capacity of 1050 gpm at a head of 660 ft. In the future, pump replacements of equal or lesser capacity will not require an additional permit from the Commission, but will require the submission of a Well Completion Report Part II by the licensed pump installer. If the pump replacement is greater than the existing pump, you will need to apply for a new pump installation permit.

Mr. Bryan Wienand

Page 2

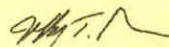
May 21, 2018

6. Well owners are required to report water use and other data, even when pumpage is "zero" -- HAR §13-168-7. Convenient on-line reporting and personal access to your own historic information is available at <http://cwrn.dlnr.hawaii.gov/cwrmpublic/login.aspx>, which requires that you provide an email from the person or entity responsible for well use reporting. Please contact Mr. Robert Chenet at (808) 587-0243 to set up an account for this easy-to-use alternative to manual reporting. Alternatively, data can be submitted on hardcopy forms available at <http://files.hawaii.gov/dlnr/cwrn/forms/GWUR-MON.pdf> and mailed to the Commission.
7. The landowner shall cause the well operator to maintain the appropriate devices or means for measuring and reporting water levels, chlorides or conductivity, and/or temperature, as may be required by the Commission.
8. The landowner shall cause the well operator to maintain the installed meter or other appropriate means for measuring and reporting flow withdrawals.
9. The proposed use shall not adversely affect existing or future legal uses of water in the area, including any surface water or established instream flow standards. The authorization to drill a well and/or install a pump shall not constitute a determination of correlative water rights. The landowner and well operator are notified that the quantity of water taken from the well and/or the pump capacity could be reduced by the Commission in the future.

Ground water in Hawaii is a public trust. Adverse effects at one well may affect other water resources. Any violation of the above conditions or any other provision of the Hawaii Administrative Rules may be subject to fines of up to \$5,000 per day. You must do your part in using this shared resource. We prefer to work with you in meeting the goal of protecting our ground water resources together.

If you have any questions, please contact Queenie Komori of the Commission staff at 587-0251 or toll-free at 974-4000 (Hawaii), 274-3141 (Kauai), 984-2400 (Maui), or 1-800-468-4644 (Lanai & Molokai), extension 70251.

Sincerely,



JEFFREY T. PEARSON, P.E.
Deputy Director

QK:ss

c: Driller: Derrick's Well Drilling & Pump Service, LLC

DAVID Y. IGE
GOVERNOR OF HAWAII



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STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
P.O. BOX 621
HONOLULU, HAWAII 96809

May 21, 2018

2-5629-002.wcr2ack.docx

Mr. Derrick Moreira
Derrick's Well Drilling & Pump Services, LLC
P.O. Box 2187
Keaau, HI 96749

Dear Mr. Moreira:

Well Completion Report Part II for Well No. 2-5629-002
Koloa, Island of Kauai

We received your Well Completion Report Part II for the Piwai 3 (Well No. 2-5629-002) on May 11, 2018 for your pump restoration and acknowledge that it is complete. This completes your obligations under pump restoration installation reporting requirements. Additionally, a certificate of pump installation completion will be issued to the well operator/landowner to officially recognize the current details of the installed pump, and a copy will be sent to you.

If you have any questions, please contact Queenie Komori of the Commission staff at 587-0251.

Sincerely,

JEFFREY T. PEARSON, P.E.
Deputy Director

QK:ss

c: Well and Land Owner: County of Kauai, Department of Water

Pump Restoration for Well No. 5629-002 (regulation/survey route)

1. Pump Check Roy R (initial)

	Yes	No
New pump ≤ existing pump?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ATF PIP required?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Current Well Transmissivity in database?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Current Well Specific Capacity in database?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

*T = 73,532 Ft²/DAY
K = 314.2 Ft/DAY missing a "0" ?
31420 ft²/day
249 gpm/ft of drawdown*

For a "No" T or SC above, is there any previous Pump Test Data in the file? Yes No (circle one)
IF DATA EXIST, THEN GO TO 2. IF NO DATA EXIST, THEN GO TO 3.

2. Pump Tests Analysis Patrick P (initial) take action based on above analysis

Step-Drawdown Test:

followed WCPI Stds	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <70 gpm or salt water - no test required
analysis attached	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Aquifer Pump Test:

followed WCPI Stds	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <50 gpm or salt water - no test required
T & S analysis attached	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
proposed pump cap o.k.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Potential Well Interference	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Potential Stream Impacts:	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Additional Testing or Data Required	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pump Test Comments Attached	<input checked="" type="checkbox"/>	<input type="checkbox"/>

3. WUR Link Check Bob B (initial) Entered WUR Contact link into WRIMS:

4. WRIMS Update Jonas J (initial) *No PICS, missing* WRIMS Well Index Updated with WRC2 Info

5. Pump Installation Check Charley/Ryan/Queenie Q 5/14/18 (initial)

	Yes	No	NA
Benchmark change	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Scanned WCR2 & filed in WRIMS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If no, describe deficiency
no picture of well - #10 ✓ rec'd 5/11/18
no rating curve - #9 ✓ rec'd 5/11/18
see WRIMS

6. Charley/Ryan/Queenie Q 5/14/18 (initial) take action based on above analysis

ATTACHMENTS FOR ACCEPTANCE:

1 PUMP RESTORATION ACCEPT LETTER	<input checked="" type="checkbox"/>	} Send to driller, copy operator/landowner
2 PUMP INST. COMPLETION CERTIFICATE	<input checked="" type="checkbox"/>	
3 METER INSTALL. REPORT (if necessary)	NA	
4 WUR FORM(if necessary)	NA	
5 LAT/LONG UPDATED	<input checked="" type="checkbox"/>	} Staff internal checks
6 MLS LANDOWNER PARCEL CHECK	<input checked="" type="checkbox"/>	
7 WRIMS UPDATE PUMP SECTION	<input checked="" type="checkbox"/>	
8 PUMP TEST WORKSHEET	<input checked="" type="checkbox"/>	
9 PUMP As-Built CHECK PRINT	<input checked="" type="checkbox"/>	

7. Roy R (initial) check(Entered WCR2/PICC initial issue date into WRIMS)

8. Susan H. S (initial) finalize

9. Jeff J (initial) signature

10. Charley/Ryan/Queenie Q Upload signed documents & enter final issue date into WRIMS



State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
 Department of Land and Natural Resources
WELL COMPLETION REPORT - PART II
Pump Installation

For Official Use Only:
 COMMISSION ON WATER
 RESOURCE MANAGEMENT
 2018 FEB -9 AM 8:58

Instructions: Please print in ink or type and send completed report (with attachments, if applicable) to the Commission on Water Resource Management, P.O. Box 621, Honolulu, Hawaii 96809. The Commission may not accept incomplete reports. This form shall be submitted within 60 days of the completion of work. For assistance, please consult the Hawaii Well Construction and Pump Installation Standards or call the Regulation Branch at 587-0225. For updates to this form or additional information, please visit our website at <http://www.hawaii.gov/dlnr/cwrm/>

1. State Well No.: 5629-02 Well Name: Piwai Well No. 3 Repair Island: Kauai

2. Well Location Address: Upper Omao, Kauai, HI Tax Map Key: (2) 2-5-01:02

3. Pump Installation Company: Derrick's Well Drilling & Pump Services, LLC.

4. Date Pump Installed: December 15th, 2017
month/day/year

5. PERMANENT PUMP INFORMATION

Pump Type, Make, Serial No.: Submersible, Goulds, 9RCHC, SN AA6RP

Rated Capacity: 1050 gpm at head of: 660 ft.

Motor Type, H.P., Voltage, rpm: Submersible, 250 HP, 460 V, 3600 RPM

Pump type (check one):

- | | | |
|-------------------------------------------------|----------------------------------------------|----------------------------------------|
| <input type="checkbox"/> Deep Well Turbine | <input type="checkbox"/> Rotary | <input type="checkbox"/> Propeller |
| <input checked="" type="checkbox"/> Submersible | <input type="checkbox"/> Rotary-Displacement | <input type="checkbox"/> Reciprocating |
| <input type="checkbox"/> Centrifugal | <input type="checkbox"/> Rotary-Gear | <input type="checkbox"/> Impulse |

6. Method of flow measurement:

Flowmeter w/ totalizer Manufacturer Wyatt/ Badger Model no. BVT-F Size 8"

Other, explain and attach schematic _____

7. As-built section filled in completely (refer to attached sheet)

8. Well location and current ownership information filled in completely (refer to attached sheet)
 (note: this section does not need to be filled in if the WCR Part I is submitted at the same time as this form)

9. Attach the rating curve for the installed pump.

10. Attach photograph of well clearly showing the benchmark on the concrete pad, the well head, and the method of flow measurement.

11. Remarks _____

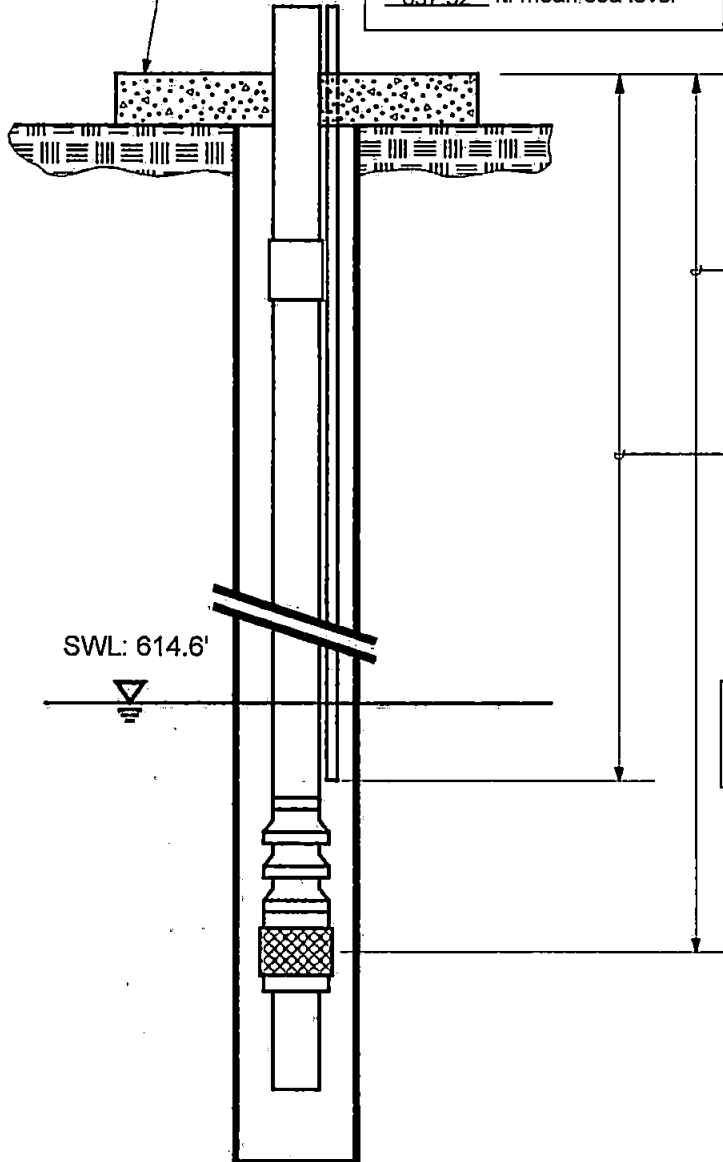
Pump Installation Contractor (print) Derrick's Well Drilling & Pump Services, LLC. C-57/C-57a/A Lic. No. C-28001
 Signature *Derrick M. Davis* Date February 1st, 2018

7. AS-BUILT PUMP SECTION
(Please attach as-built if different from diagram provided below)

STATE WELL NO. 5629-02

Bench mark elevation surveyed to nearest 0.01 ft. = 656.32 ft. mean sea level

Elevation of top of chase tube 657.32 ft. mean sea level



Pump intake depth = 663 ft. (referenced to bench mark)

Chase tube depth = 645 ft. (referenced to bench mark)

If airline installed, bottom of airline elevation = 645 ft. mean sea level

8. WELL LOCATION AND CURRENT OWNERSHIP INFORMATION

STATE WELL NO. 5629-02

Well coordinates (decimal degrees, example Latitude 21.334303, Longitude -157.962447)

Latitude 21°56'28" (N) Longitude 159°29'30" (W)

Current well owner same as application or new (fill in below)

Company Name _____ Contact _____

Address _____

City _____ State _____ Zip _____

Business Phone _____ Residential Phone _____ Fax _____

E-mail Address _____ Company Website _____

Current land owner same as application or new (fill in below)

Company Name _____ Contact _____

Address _____

City _____ State _____ Zip _____

Business Phone _____ Residential Phone _____ Fax _____

E-mail Address _____ Company Website _____

THEIS DRAWDOWN CALCULATION

by Glenn Bauer & Roy Hardy with numerical applications by Huntton (1980)

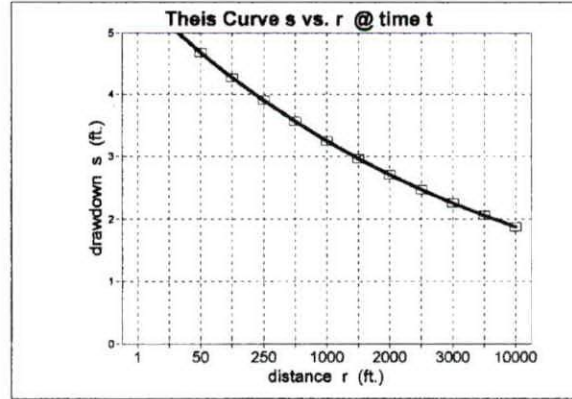
FILE NAME = Piwai Well 5629-02
 TEST NAME = Step-Drawdown Test
 DATE = January 16, 2004

INPUT PARAMETERS GREEN VALUES

Transmissivity T = 73,532 ft.²/day
 Storage Coeff. S = 0.200 dimensionless
 Time t = 200000 days
 Pumping Rate Q = 231,016.04 cubic ft./day

Aquifer thickness b = 234 ft.
 Hydraulic Conductivity K = 314.2 ft./day
 Pumping rate Q = 1,200 gpm
 1.728 mgd
 2.674 cfs

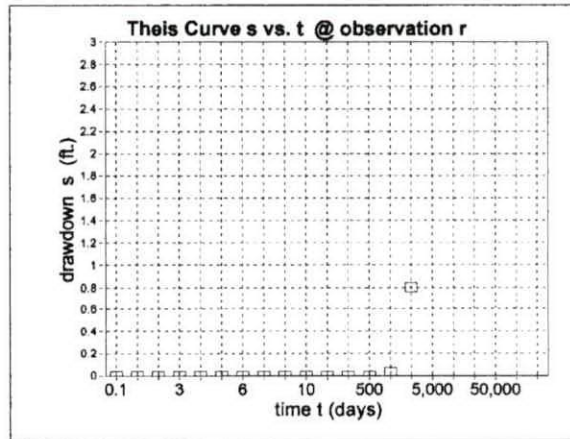
Radial distance from well r ft.	u	W(u)	Drawdown s ft.
1	0.000000	25.830	6.458
10	0.000000	21.225	5.306
50	0.000000	18.006	4.502
100	0.000000	16.620	4.155
250	0.000000	14.787	3.697
500	0.000001	13.401	3.350
1000	0.000003	12.015	3.004
1500	0.000008	11.204	2.801
2000	0.000014	10.628	2.657
2500	0.000021	10.182	2.546
3000	0.000031	9.817	2.454
5000	0.000085	8.796	2.199
10000	0.000340	7.410	1.852



OBSERVATION WELL

Radial distance r from puming well 5280 ft.

Time, t (days, years)	u	W(u)	Drawdown s ft.
0.1 0.00 *****	0.000	0.000	0.000
1 0.00 18.956645	0.000	0.000	0.000
2 0.01 9.478322	0.000	0.000	0.000
3 0.01 6.318882	0.000	0.000	0.000
4 0.01 4.739161	0.002	0.000	0.000
5 0.01 3.791329	0.005	0.001	0.001
6 0.02 3.159441	0.011	0.003	0.003
7 0.02 2.708092	0.019	0.005	0.005
8 0.02 2.369581	0.030	0.007	0.007
10 0.03 1.895664	0.057	0.014	0.014
36 0.10 0.526573	0.529	0.132	0.132
200 0.55 0.094783	1.872	0.468	0.468
500 1.37 0.037913	2.733	0.683	0.683
1,000 2.74 0.018957	3.407	0.852	0.852
2,000 5.48 0.009478	4.091	1.023	1.023
5,000 13.70 0.003791	5.002	1.250	1.250
10,000 27.40 0.001896	5.693	1.423	1.423
20,000 54.79 0.000948	6.385	1.596	1.596
50,000 136.99 0.000379	7.301	1.825	1.825
100,000 273.97 0.000190	7.994	1.999	1.999
200,000 547.95 0.000095	8.687	2.172	2.172



Theoretical drawdown a mile (5,280 ft) from the pumping well when u < 0.01

T = 73532 ft²/d
 Sp. yield = 0.2
 t = 365 days
 s = 0.60 ft.

1. Scenerio uses calculated transmissivity from step-drawdown test

Well Name: Piwai Well No. 5629-02 (Pai)

Date of Test: January 16, 2004

Date of Analysis: 10-Sep-04

Alternative way for determining T from step-drawdown data (Mink, per. comm)

$Q = \text{ft}^3/\text{d}$ $Q1 \text{ (gpm)} = 1362 = 262185 \text{ ft}^3/\text{d}$

$s = \text{ft.}$ $Q2 \text{ (gpm)} = 500 = 96250 \text{ ft}^3/\text{d}$

Set up two equations:

$$s1 = jQ1 + nQ1^2$$

$$s2 = jQ2 + nQ2^2$$

green = input
red = calculated
blue = equations

$$Q2 = 96250 \quad s2 = 1.42$$

$$Q1 = 262185 \quad s1 = 5.03$$

$$\text{Well Depth below sea level} = 116$$

$$\text{Radius of well (ft)} = 0.667 = r$$

$$n = s1 - (Q1/Q2)s2/Q1(Q1-Q2) = 2.67E-11$$

$$j = s/Q - nQ = 1.22E-05$$

Laminar flow equation:

$$s = jQ = 3.194112 \quad 63.50\% \text{ Head loss due to laminar flow}$$

Thiem Eq.

$$T = 1/2\pi j (\ln\{re/r\})$$

$$re = \text{Well Depth BSL} * 1.6 = 185.6$$

Therefore:

$$T = 1/2\pi j (\ln\{re/r\}) = 73532 \text{ ft}^2/\text{d}$$

Komori, Queenie K

From: Komori, Queenie K
Sent: Thursday, March 22, 2018 2:59 PM
To: 'Derrick Moreira'
Subject: Incomplete WCR2 submittal for Keei B and Piwai No 3
Attachments: 2-5629-002.PDF; 8-2753-002.PDF

Good Afternoon,

The following information are needed to complete the attached WCR2 review:

1. Well no. 8-2753-002, Keei B
 - Missing Item #9 – rating curve for the installed pump Simflo
 - Missing #10 – photograph of well clearing showing the bench mark on the concrete pad, the wellhead, and the method of flow measurement.

2. Well no. 2-5629-002, Piwai No. 3
 - ✓ Missing Item #9 – rating curve for the installed pump Goulds *Rec'd Simflo included to WCRMS*
 - ✓ Missing #10 – photograph of well clearing showing the bench mark on the concrete pad, the wellhead, and the method of flow measurement.

Please email me the information. These reports are deemed incomplete.
Please call me if you have any questions.

Thanks,
Queenie

Queenie Komori, P.E.
Dept. of Land & Natural Resources
Commission on Water Resource Management
1151 Punchbowl Street, Room 227
Honolulu, HI 96813

Ph. (808) 587-0251

Company: Gicon Pumps and Equipment
 Name: Piwai No. 3
 Date:

Customer:
 Order No:

Pump:

Size: 9RCHC (4 stage)
 Type: Submersible
 Synch speed: 3600 rpm
 Curve: E6209CCPC2
 Specific Speeds:
 Dimensions:
 Vertical Turbine:

Speed: 3450 rpm
 Dia: 6.6875 in
 Impeller:
 Ns: 2283
 Nss: ---
 Suction: ---
 Discharge: ---
 Bowl size: 9.25 in
 Max lateral: 0.88 in
 Thrust K factor: 4.9 lb/ft

Search Criteria:

Flow: 1050 US gpm Head: 660 ft

Fluid:

Water
 SG: 1
 Viscosity: 0.9946 cP
 NPSHa: ---

Temperature: 68 °F
 Vapor pressure: 0.3391 psi a
 Atm pressure: 14.7 psi a

Motor:

Standard: ---
 Enclosure: ---
 Sizing criteria: Max Power on Design Curve

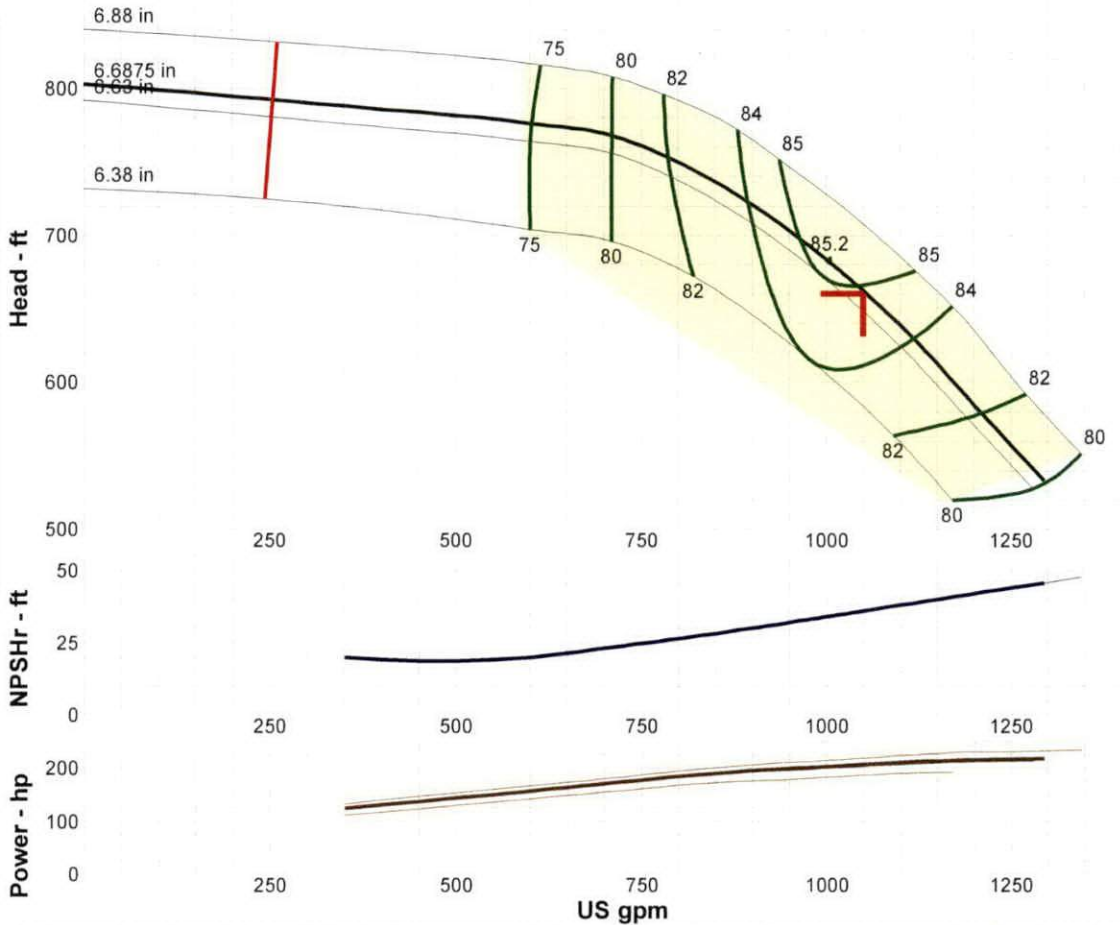
Speed: ---
 Frame: ---

Pump Limits:

Temperature: ---
 Pressure: ---
 Sphere size: 0.75 in

Power: ---
 Eye area: ---

---- Data Point ----	
Flow:	1050 US gpm
Head:	662 ft
Eff:	84.9%
Power:	207 hp
NPSHr:	36 ft
---- Design Curve ----	
Shutoff head:	803 ft
Shutoff dP:	348 psi
Min flow:	251 US gpm
BEP:	85.2% @ 1005 US gpm
NOL power:	218 hp @ 1294 US gpm
-- Max Curve --	
Max power:	234 hp @ 1345 US gpm

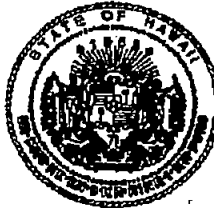


Discharge Sizes -5",6",8". Curves are certified for water at 60°F only. Consult factory for performance with any other fluid.

Performance Evaluation:

Flow US gpm	Speed rpm	Head ft	Efficiency %	Power hp	NPSHr ft
1260	3450	552	80.8	217	44.4
1050	3450	662	84.9	207	36
840	3450	738	83	188	27.9
630	3450	774	76.3	161	21
420	3450	785	61.1	134	20

N/A



R-741 STATE OF HAWAII
BUREAU OF CONVEYANCES
RECORDED
MAY 12, 2011 03:00 PM
Doc No(s) 2011-077575



23 1/2 Z2

/s/ NICKI ANN THOMPSON
REGISTRAR
CONVEYANCE TAX: \$0.00

LAND COURT SYSTEM

kl REGULAR SYSTEM

After Recordation, Return by: (X) Mail () Pickup

DEPARTMENT OF WATER
COUNTY OF KAUAI
P O BOX 1706
LIHUE, KAUAI, HAWAII 96766
Telephone (808) 245-5408

This document contains 23 pages

TYPE OF DOCUMENT:

DEDICATION DEED

PARTIES TO DOCUMENT:

OWNER: ALEXANDER & BALDWIN, INC.
a Hawaii corporation

MCBRYDE SUGAR COMPANY, LIMITED
a Hawaii corporation

BOARD: BOARD OF WATER SUPPLY, COUNTY OF KAUAI
Post Office Box 1706
Lihue, Kauai, Hawaii 96766

TAX MAP KEY FOR PROPERTY:

(4)-2-5-001:002 (por.) and (4)-2-5-001:011 (por.)

DEDICATION DEED

KNOW ALL MEN BY THESE PRESENTS THAT:

ALEXANDER & BALDWIN, INC., a Hawaii corporation, whose mailing address is P. O. Box 3440, Honolulu, Hawaii 96801, and **MCBRYDE SUGAR COMPANY, LIMITED**, a Hawaii corporation, whose mailing address is P. O. Box 8, Eleele, Kauai, Hawaii 96705, hereinafter jointly called the "Grantor", in consideration of the sum of One and No/100 Dollars (\$1.00) and other good and valuable consideration to the Grantor paid by the **BOARD OF WATER SUPPLY, COUNTY OF KAUAI**, whose mailing address is P. O. Box 1706, Lihue, Kauai, Hawaii 96766, hereinafter called "Grantee", the receipt of which is acknowledged, does hereby dedicate, grant and convey unto the Grantee the real property described in Exhibit "A" attached hereto and incorporated herein by this reference.

TOGETHER WITH the reversions, remainders, rents, issues, and profits thereof, and all of the estate, right, title and interest of the Grantor, both at law and in equity, therein and thereto.

TO HAVE AND TO HOLD the same, together with all the improvements thereon and all the rights, easements, appurtenances and remainders thereunto belonging or in anywise appertaining or held and enjoyed therewith, including but not limited to all water lines and facilities located on or under said parcels unto Grantee in fee simple.

THE GRANTOR hereby covenants with the Grantee that the Grantor is lawfully seised in fee simple of the premises described herein and has good right to sell, convey, and dedicate the same; that the same are free and clear of all encumbrances except as set forth herein and that the Grantor will **WARRANT AND DEFEND** the same unto the Grantee against the lawful claims and demands of all persons, except as aforesaid.

AND Grantee, in consideration of the foregoing conveyance, hereby accepts the conveyance and agrees that the said premises shall be used by the Grantee for public purposes, improvements, and uses including for the construction and maintenance of water tanks, waterlines, water facilities, and other such public improvements.

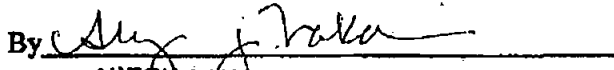
This Dedication Deed may be executed in counterparts. Each counterpart shall be executed by one or more of the parties hereinbefore named and the several counterparts shall constitute one instrument to the same effect as though the signatures of all the parties are upon the same document.

IN WITNESS WHEREOF, the parties hereto have executed this Dedication Deed
this 7th day of May, 20 10.

GRANTOR:

ALEXANDER & BALDWIN, INC.,
a Hawaii corporation

By 
MEREDITH J. CHING
Its SENIOR VICE PRESIDENT

By 
ALYSON J. NAKAMURA
Its SECRETARY

STATE OF HAWAII)
) SS:
CITY AND COUNTY OF HONOLULU)

On this 7th day of May, 2010, before me appeared MEREDITH J. CHING and ALYSON J. NAKAMURA, to me personally known, who, being by me duly sworn or affirmed, did say that such person(s) executed the foregoing DEDICATION DEED dated Undated at time of notarization, 20 , which document consists of 23 page(s), as the free act and deed of such person(s), and if applicable, in the capacities shown, having been duly authorized to execute such instrument in such capacities.

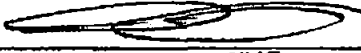



Aileen S. Miyahara
Name of Notary: AILEEN S. MIYAHARA
Notary Public, First Judicial Circuit,
State of Hawaii.

My commission expires: 7/15/10

GRANTOR:

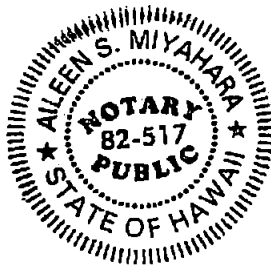
MCBRYDE SUGAR COMPANY, LIMITED,
a Hawaii corporation

By 
NORBERT M. BUELSING
Its VICE-PRESIDENT

By 
ALYSON J. NAKAMURA
Its SECRETARY

STATE OF HAWAII)
) SS:
CITY AND COUNTY OF HONOLULU)

On this 7th day of May, 2010, before me appeared NORBERT M. BUELSING and ALYSON J. NAKAMURA, to me personally known, who, being by me duly sworn or affirmed, did say that such person(s) executed the foregoing DEDICATION DEED dated Undated at time of notarization, 2010, which document consists of 23 page(s), as the free act and deed of such person(s), and if applicable, in the capacities shown, having been duly authorized to execute such instrument in such capacities.





Name of Notary: **AILEEN S. MIYAHARA**
Notary Public, First Judicial Circuit,
State of Hawaii.

My commission expires: 7/15/10


GRANTEE:

**BOARD OF WATER SUPPLY,
COUNTY OF KAUAI**

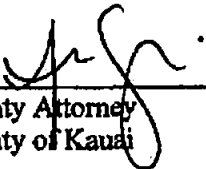
By 

Its Chairperson

APPROVED:

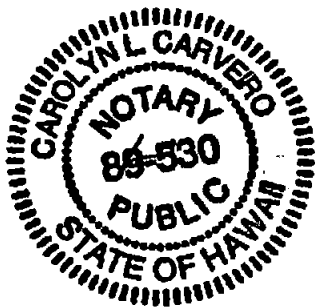

**Manager and Chief Engineer
Department of Water**

**APPROVED AS TO FORM
AND LEGALITY:**


**County Attorney
County of Kauai**

STATE OF HAWAII)
) SS:
COUNTY OF KAUAI)

On this 16th day of September, 2010, before me appeared Randall Nishimura, to me personally known, who, being by me duly sworn, and that said officer is the Chairperson of the COUNTY OF KAUAI, BOARD OF WATER SUPPLY, and such officer executed the foregoing Dedication Deed dated September 16, 2010, which document consists of 23 page(s), on behalf of said Board, by authority of said Board, and that said officer acknowledged said instrument to be the free act and deed of said Board, and that said Board has no corporate seal.



Carolyn L. Carvero
Name of Notary: CAROLYN L. CARVERO
Notary Public, Fifth Judicial Circuit,
State of Hawaii.
My commission expires: 9/20/2013

EXHIBIT "A"

PARCEL FIRST

LOT C-1-B

LAND SITUATED AT OMAO, KOLOA, KAUAI, HAWAII

**Being a Portion of R. P. 1936 to James W. Smith
on a Portion of L. C. Aw. 387, No. 4 of Part 2,
Section 3 to the American Board of Commissioners for Foreign Missions**

Beginning at the southeast corner of this parcel of land, the coordinates of said point of beginning referred to Government Survey Triangulation Station "LAAUKAHI" being 1,959.01 feet South and 11,363.84 feet West, thence running by azimuths measured clockwise from true South:

- along the remainder of Lot C-1-A on a curve to the right with a radius of 117.00 feet, the chord azimuth and distance being:
1. 118° 38' 16" 65.98 feet;
 2. 135° 00' 7.73 feet along the remainder of Lot C-1-A;
thence along the remainder of Lot C-1-A on a curve to the left with a radius of 16.00 feet, the chord azimuth and distance being:
 3. 110° 39' 13.19 feet;
thence along the remainder of Lot C-1-A on a curve to the right with a radius of 34.00 feet, the chord azimuth and distance being:
 4. 131° 50' 34" 48.54 feet;
 5. 177° 23' 08" 109.11 feet along the remainder of Lot C-1-A;
thence along the remainder of Lot C-1-A on a curve to the right with a radius of 56.00 feet, the chord azimuth and distance being:

6.	223°	41'	34"	80.98	feet;
7.	270°	00'		51.00	feet along the remainder of Lot C-1-A;
8.	00°	00'		192.12	feet along the remainder of Lot C-1-A;
9.	291°	42'	26"	21.05	feet along the remainder of Lot C-1-A;
10.	12°	59'	43"	14.86	feet along the remainder of Lot C-1-A;
11.	12°	59'	45"	22.00	feet along the remainder of Lot C-1-A;
12.	12°	59'	35"	6.00	feet along the remainder of Lot C-1-A to the point of beginning and containing an area of 0.507 acre.

PARCEL SECOND

LOT C-1-C

LAND SITUATED AT OMAO, KOLOA, KAUAI, HAWAII

**Being a Portion of R. P. 1936 to James W. Smith
on a Portion of L. C. Aw. 387, No. 4 of Part 2,
Section 3 to the American Board of Commissioners for Foreign Missions**

Beginning at the west corner of this parcel of land, the coordinates of said point of beginning referred to Government Survey Triangulation Station "LAAUKAHI" being 1,110.57 feet South and 11,123.35 feet West, thence running by azimuths measured clockwise from true South:

1.	210°	00'		132.00	feet along the remainder of Lot C-1-A;
2.	300°	00'		93.00	feet along the remainder of Lot C-1-A;
3.	30°	00'		132.00	feet along the remainder of Lot C-1-A;
4.	120°	00'		93.00	feet along the remainder of Lot C-1-A to the point of beginning and containing an area of 0.282 acre.

PARCEL THIRD

LOT C-1-D

LAND SITUATED AT OMAO, KOLOA, KAUAI, HAWAII

**Being a Portion of R. P. 1936 to James W. Smith
on a Portion of L. C. Aw. 387, No. 4 of Part 2,
Section 3 to the American Board of Commissioners for Foreign Missions**

Beginning at the west corner of this parcel of land, the coordinates of said point of beginning referred to Government Survey Triangulation Station "LAAUKAHI" being 466.31 feet South and 10,219.43 feet West, thence running by azimuths measured clockwise from true South:

- | | | | |
|----|----------|--------|-------------------------------------------------------------------------------------------------------|
| 1. | 220° 00' | 123.50 | feet along the remainder of Lot C-1-A; |
| 2. | 310° 00' | 101.00 | feet along the remainder of Lot C-1-A; |
| 3. | 40° 00' | 123.50 | feet along the remainder of Lot C-1-A; |
| 4. | 130° 00' | 101.00 | feet along the remainder of Lot C-1-A to the point of beginning and containing an area of 0.286 acre. |

TOGETHER WITH, the following:

1. **Easement A-2 for access and utility purposes described as follows:**

**EASEMENT A-2
(FOR WATER TANK, TRANSMISSION AND ACCESS)**

LAND SITUATED AT OMAO, KOLOA, KAUAI, HAWAII

**Being Portions of Lot 6-A, C-1-A and Parcel 8
Being Also a Portion of R.P. 1936 to James W. Smith
on a Portion of L.C. Aw. 387, No. 4 of Part 2,
Section 3 to the American Board of Commissioners for Foreign Missions**

Beginning at the southeast corner of this parcel of land at the north end of Easement A-2, the coordinates of said point of beginning referred to Government Survey Triangulation Station "LAAUKAHI" being 2,985.42 feet South and 9,516.44 feet West, thence running by azimuths measured clockwise from true South:

1.	64° 31'	27.35	feet along Lot C-2;
			thence along the remainder of Lot C-1-A for the next seven (7) courses:
2.	119° 25'	31.94	feet;
3.	87° 48'	210.36	feet;
			thence on a curve to the right with a radius of 211.00 feet, the chord azimuth and distance being:
4.	89° 18'	11.05	feet;
5.	90° 48'	398.77	feet;
6.	113° 18'	28.26	feet;
7.	135° 48'	191.66	feet;
8.	158° 18'	32.23	feet;
9.	180° 48'	160.85	feet along the remainder of Lot C-1-A and the remainder of Lot 6-A;
			thence along the remainder of Lot 6-A for the next eleven (11) courses:
10.	90° 37'	5.50	feet;
11.	180° 48'	14.00	feet;
12.	270° 37'	5.50	feet;
13.	180° 48'	128.14	feet;
14.	141° 24'	64.16	feet;
15.	102° 00'	390.04	feet;
16.	115° 00'	115.63	feet;
17.	25° 00'	9.00	feet;

18.	115° 00'	15.00	feet;
19.	205° 00'	9.00	feet;
20.	115° 00'	40.13	feet;
21.	162° 37'	35.36	feet along the remainder of Lot 6-A and the remainder of Lot C-1-A;
			thence along the remainder of Lot C-1-A for the next thirty (31) courses:
22.	210° 14'	197.34	feet;
23.	208° 26'	46.47	feet;
24.	206° 38'	69.65	feet;
			thence on a curve to the left with a radius of 25.00 feet, the chord azimuth and distance being:
25.	148° 19'	42.55	feet;
26.	90° 00'	526.30	feet;
			thence on a curve to the right with a radius of 111.00 feet, the chord azimuth and distance being:
27.	93° 31' 27"	13.65	feet;
28.	12° 59' 43"	16.08	feet;
			thence on a curve to the right with a radius of 127.00 feet, the chord azimuth and distance being:
29.	106° 58' 10"	40.48	feet;
30.	00° 00'	11.01	feet;
31.	90° 00'	18.50	feet;

32.	180° 00'	11.52	feet;
33.	90° 00'	6.04	feet;
34.	135° 00'	45.13	feet;

thence on a curve to the right with a radius of 44.00 feet, the chord azimuth and distance being:

35.	140° 01' 14"	53.41	feet;
36.	177° 23' 08"	109.11	feet;

thence on a curve to the right with a radius of 66.00 feet, the chord azimuth and distance being:

37.	223° 41' 34"	95.44	feet;
38.	270° 00'	61.00	feet;
39.	00° 00'	58.50	feet;
40.	270° 00'	26.00	feet;
41.	00° 00'	17.00	feet;
42.	90° 00'	26.00	feet;
43.	00° 00'	88.00	feet;
44.	270° 00'	16.00	feet;
45.	00° 00'	15.00	feet;
46.	89° 58' 45"	16.00	feet;
47.	00° 00'	9.00	feet;
48.	292° 30'	75.00	feet;
49.	00° 00'	10.13	feet;
50.	270° 00'	514.50	feet;

thence on a curve to the left with a radius of 25.00 feet, the chord azimuth and distance being:

51. 232° 50' 30" 30.20 feet;
52. 195° 41' 69.61 feet;

thence along the remainder of Lot C-1-A and the remainder of Parcel 8 on a curve to the left with a radius of 439.00 feet, the chord azimuth and distance being:

53. 177° 08' 30" 279.20 feet;

thence along the remainder of Lot C-1-A for the next sixty-four (64) courses:

54. 158° 36' 67.22 feet;
55. 172° 36' 150.92 feet;
56. 210° 35' 19.18 feet;
57. 208° 08' 20.00 feet;
58. 202° 54' 25.84 feet;
59. 200° 00' 70.00 feet;
60. 253° 00' 50.00 feet;
61. 225° 00' 30.00 feet;
62. 231° 00' 80.00 feet;
63. 250° 00' 20.00 feet;
64. 230° 50' 3.11 feet;
65. 231° 00' 81.52 feet;
66. 225° 00' 38.88 feet;

67.	219° 00'	137.01	feet;
68.	309° 00'	4.06	feet;
69.	219° 00'	25.88	feet;
			thence on a curve to the left with a radius of 30.00 feet, the chord azimuth and distance being:
70.	171° 32'	44.21	feet;
			thence on a curve to the left with a radius of 89.00 feet, the chord azimuth and distance being:
71.	114° 17'	30.25	feet;
72.	104° 30'	186.18	feet;
			thence on a curve to the left with a radius of 289.00 feet, the chord azimuth and distance being:
73.	99° 15'	52.89	feet;
74.	94° 00'	111.13	feet;
75.	10° 24'	36.84	feet;
76.	79° 00'	30.00	feet;
77.	126° 00'	34.86	feet;
78.	49° 00'	189.09	feet;
			thence on a curve to the left with a radius of 89.00 feet, the chord azimuth and distance being:
79.	39° 30'	29.38	feet;
80.	30° 00'	30.67	feet;
81.	300° 00'	55.38	feet;

82.	30° 00'	61.49	feet;
83.	270° 00'	17.60	feet;
84.	00° 00'	15.00	feet;
85.	90° 00'	26.26	feet;
86.	30° 00'	73.19	feet;
87.	120° 00'	113.00	feet;
88.	210° 00'	152.00	feet;
89.	300° 00'	31.62	feet;
90.	210° 00'	30.67	feet;

thence on a curve to the right with a radius of 115.00 feet, the chord azimuth and distance being:

91.	219° 30'	37.96	feet;
92.	229° 00'	188.83	feet;
93.	215° 00'	30.01	feet;
94.	223° 00'	25.00	feet;
95.	259° 00'	20.00	feet;
96.	299° 17'	38.94	feet;
97.	274° 00'	106.63	feet;

thence on a curve to the right with a radius of 315.00 feet, the chord azimuth and distance being:

98.	279° 15'	57.65	feet;
99.	284° 30'	186.18	feet;

thence on a curve to the right with a radius of 115.00 feet, the chord azimuth and distance being:

100. 295° 59' 30" 45.82 feet;

thence on a curve to the left with a radius of 14.00 feet, the chord azimuth and distance being:

101. 263° 24' 30" 19.48 feet;

102. 129° 00' 9.56 feet;

103. 219° 00' 110.07 feet;

104. 225° 00' 69.98 feet;

105. 239° 00' 120.02 feet;

106. 225° 30' 70.00 feet;

107. 217° 30' 50.00 feet;

108. 196° 44' 76.30 feet;

109. 130° 00' 35.14 feet;

110. 85° 00' 21.55 feet;

111. 40° 00' 76.35 feet;

112. 130° 00' 8.85 feet;

113. 40° 00' 26.77 feet;

114. 130° 00' 20.00 feet;

115. 220° 00' 26.77 feet;

116. 130° 00' 92.15 feet;

117. 220° 00' 143.50 feet;

118.	310° 00'	121.00	feet along the remainder of Lot C-1-A and the remainder of Parcel 8;
119.	300° 00'	32.01	feet along the remainder of Parcel 8;
120.	11° 59' 35"	40.15	feet along the remainder of Parcel 8 and the remainder of Lot C-1-A;
			thence along the remainder of Lot C-1-A for the next 15 courses and on a curve to the right with a radius of 61.00 feet, the chord azimuth and distance being:
121.	353° 00'	83.20	feet;
122.	36° 00'	43.66	feet;
123.	40° 15'	60.92	feet;
124.	44° 30'	158.82	feet;
125.	320° 00'	21.28	feet;
126.	50° 00'	30.00	feet;
127.	140° 00'	19.36	feet;
128.	47° 30'	129.67	feet;
129.	43° 15'	42.83	feet;
130.	39° 00'	216.69	feet;
131.	45° 00'	44.11	feet;
132.	51° 00'	81.52	feet;
133.	49° 00'	34.13	feet;
134.	47° 00'	88.11	feet;
135.	42° 49'	42.15	feet;

136.	340° 00'	47.22	feet along the remainder of Lot C-1-A and the remainder of Parcel 8;
137.	70° 00'	30.00	feet along the remainder of Parcel 8 and the remainder of Lot C-1-A;
			thence along the remainder of Lot C-1-A for the next eight (8) courses;
138.	160° 00'	26.56	feet;
139.	37° 22'	56.06	feet;
140.	128° 57'	2.00	feet;
141.	38° 57'	12.00	feet;
142.	15° 47'	48.01	feet;
143.	352° 36'	84.64	feet;
144.	345° 35'	34.36	feet;
145.	338° 36'	47.57	feet;
			thence along the remainder of Lot C-1-A and the remainder of Parcel 8 on a curve to the right with a radius of 459.00 feet, the chord azimuth and distance being:
146.	346° 47'	130.67	feet;
147.	269° 22'	60.76	feet along the remainder of Parcel 8;
148.	357° 00'	14.94	feet along the remainder of Parcel 8;
149.	89° 22'	60.47	feet along the remainder of Parcel 8;
			thence along the remainder of Parcel 8 and the remainder of Lot C-1-A on a curve to the right with a radius of 459.00 feet, the chord azimuth and distance being:
150.	06° 15' 30"	150.33	feet;

thence along the remainder of Lot C-1-A for the next six (6) courses:

151.	15° 41'	69.82	feet;
152.	21° 12'	39.85	feet;
153.	26° 38'	117.66	feet;
154.	28° 26'	47.10	feet;
155.	30° 14'	172.38	feet;
156.	342° 37'	39.89	feet;
157.	295° 00'	127.10	feet along the remainder of Lot C-1-A and the remainder of Lot 6-A;
158.	288° 30'	32.01	feet along the remainder of Lot 6-A;
159.	282° 00'	364.71	feet along the remainder of Lot 6-A;
			thence along the remainder of Lot 6-A on a curve to the right with a radius of 79.00 feet, the chord azimuth and distance being:
160.	321° 24'	100.29	feet;
161.	00° 48'	279.92	feet along the remainder of Lot 6-A and the remainder of Lot C-1-A;
			thence along the remainder of Lot C-1-A for the next seven (7) courses:
162.	338° 18'	46.70	feet;
163.	315° 48'	161.41	feet;
164.	293° 18'	39.05	feet;
165.	270° 48'	384.64	feet;

thence on a curve to the left with a radius of 191.00 feet, the chord azimuth and distance being:

- | | | | |
|------|----------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 166. | 269° 18' | 10.00 | feet; |
| 167. | 267° 48' | 251.94 | feet; |
| 168. | 335° 18' | 28.07 | feet to the point of beginning and containing a gross area of 4.861 acres and a net area of 3.786 acres after excepting and excluding Lot C-1-B containing an area of 0.507 acre, Lot C-1-C containing an area of 0.282 acre and C-1-D containing an area of 0.286 acre. |

Easement A is located within Lot C-1-A and Remainder Lot 6-A, as shown on the Final Subdivision Map dated January 22, 2010, prepared by Dennis M. Esaki and approved by the Planning Commission of the County of Kauai in Subdivision No. S-2009-18 on January 26, 2010 ("Final Subdivision Map"), identified by Kauai Tax Map Key Nos. (4) 2-5-001:002 and 011.

2. The rights in favor of the real property described herein, if any, contained in the Grant of Easement for TMK: (4) 2-5-01:002, TMK: (4) 2-5-01:008, and TMK: (4) 2-5-01:011 dated February 19, 2009, recorded in the Bureau of Conveyances of the State of Hawaii ("Bureau") as Document No. 2009-126557.

3. The rights in favor of the real property described herein, if any, contained in the Grant of Easement for TMK: (4) 2-5-01:012 dated February 19, 2009, recorded in the Bureau as Document No. 2009-126558.

SUBJECT, HOWEVER, TO THE FOLLOWING:

1. Reservation in favor of the State of Hawaii of all mineral and metallic mines.
2. Lihue - Koloa Forest Reserve as shown on Tax Map.
3. RIGHT-OF-ENTRY

TO: CITIZENS UTILITIES COMPANY, whose interest is now held by KAUAI ISLAND UTILITY CO-OP, and GTE HAWAIIAN TELEPHONE COMPANY INCORPORATED now known as HAWAIIAN TELCOM, INC.

DATED: March 5, 1990
RECORDED: Document No. 90-059708
GRANTING: a right-of-entry and easement for the utility purposes, shown on the map attached therein

4. **NOTICE OF DEDICATION**

DATED: June 2, 2004, effective January 1, 2005
RECORDED: Document No. 2004-112368
BY: ALEXANDER & BALDWIN, INC.
RE: dedication of land for Agriculture purposes
PERIOD: 10 years

5. **RIGHT-OF-ENTRY**

TO: KAUAI ISLAND UTILITY COOPERATIVE, a cooperative association formed pursuant to the provision of Chapter 421C of the Hawaii Revised Statutes
DATED: July 19, 2006
RECORDED: Document No. 2006-173350
GRANTING: a right-of-entry and easement for utility purposes, more particularly described therein, and shown on the map attached therein

6. **GRANT**

TO: KAUAI ISLAND UTILITY COOPERATIVE, a cooperative association formed pursuant to the provision of Chapter 421C of the Hawaii Revised Statutes
DATED: April 20, 2009
RECORDED: Document No. 2009-085092
GRANTING: a perpetual right and easement for power transmission purposes over, under, upon, across and through Easement "A" being more particularly described in Exhibit "A" attached therein

7. **GRANT**

TO: BOARD OF WATER SUPPLY, COUNTY OF KAUAI
DATED: February 19, 2009
RECORDED: Document No. 2009-126557

GRANTING: easement for water tank, transmission and access purposes being Easement "A" and more particularly described in Exhibit "A" attached therein

8. Claims arising out of customary and traditional rights and practices, including without limitation those exercised for subsistence, cultural, religious, access or gathering purposes, as provided for in the Hawaii Constitution or the Hawaii Revised Statutes.

9. RIGHT-OF-ENTRY

TO: KAUAI ISLAND UTILITY COOPERATIVE, a cooperative association formed pursuant to the provision of Chapter 421C of the Hawaii Revised Statutes

DATED: July 19, 2006

RECORDED: Document No. 2006-173349

GRANTING: a right-of-entry and easement for utility purposes, more particularly described therein, and shown on the map attached thereto

END OF EXHIBIT "A"