State of Hawaii
DEPARTMENT OF LAND AND NATURAL RESOURCES
Division of Water and Land Development
Honolulu, Hawaii

June 10, 1982

Chairman and Members
Board of Land and Natural Resources
State of Hawaii
Honolulu, Hawaii

Gentlemen:

RESUBMITAL
Terms of Water withdrawal and Use Permits

The Department's Administrative Rules on ground water control require that the Board specify the period or duration of permits and the commencement and completion dates for the construction of ground water sources. After investigation and study of this matter, DOWALD is ready to make specific recommendations for adoption by the Board of Land and Natural Resources.

The Ground Water Use Law specifies that permits may be issued up to a maximum of 50 years and allows for extension of the permit after one-half of the permit period has lapsed. The staff is recommending that the duration of each permit be established at twenty (20) years with a review every five years by the Board to determine compliance with provisions of the permit. The staff feels that 20 years is a reasonable time for regulating ground water withdrawals and uses at this early stage of the program. As the Department gains experience in ground water regulation, the duration of the permits may be reviewed and adjusted as appropriate in the future.

On the commencement and completion dates, the staff recommends that a period of 24 months be established for completing the development of the ground water source. This construction period is a reasonable time for drilling, testing, and for the installation of permanent pumps and controls to fully bring the ground water source into operation. The period may be extended upon a showing of good cause and good faith performance. The permit and construction dates should commence on the date the permit is issued by the Department.

It is recommended that the above terms be standardized for all water withdrawal and use permits issued by the Board, subject to adjustments required by the Board for any permit.

RECOMMENDATION:

That the Board establish the terms of ground water withdrawal and use permits at 20 years from the date of issuance of the permit with a five-year Board review to determine compliance with the provisions of the permit and that the development of the ground water source be completed within 24 months from the date of permit issuance for all permits issued by the Board, subject to adjustments required by the Board for any permit.

Respectfully submitted,

ROBERT T. CHUCK
Manager-Chief Engineer

APPROVED FOR SUBMITTAL

SUSUMU ONO, Chairman

ITEM D-1
State of Hawaii  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
Division of Water and Land Development  
Honolulu, Hawaii  

September 11, 1981

Chairman and Members  
Board of Land and Natural Resources  
State of Hawaii  
Honolulu, Hawaii

Gentlemen:

Certification of Ground Water Withdrawals and Uses,  
Honolulu Ground Water Control Area. Cahu

The Honolulu Ground Water Control Area was designated by the Board of Land and Natural Resources on February 27, 1981 under authority of Chapter 177, HRS, and Chapter 186 of Title 13, Administrative Rules entitled "Rules for the Control of Ground Water Use in the State of Hawaii". The Department's regulatory procedures provide for water users to declare their existing water uses within a ninety-day period which ended June 4, 1981 and allows the Board 180 days to certify the declared uses.

The recommended certification of total annual, average daily, and maximum daily withdrawals for individual wells and/or well fields is tabulated in the attachment, "Certification of Ground Water Withdrawals and Uses, Honolulu Ground Water Control Area", for the Moanalua-Kaimuki Subarea and Waialae-Hawaii Kai Subarea. A comparison of the recommended quantity for certification and the sustainable yield adopted by the Board on July 24, 1981 is tabulated below:

<table>
<thead>
<tr>
<th>Subarea</th>
<th>Sustainable Yield (mgd)</th>
<th>Recommended Certification (mgd)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moanalua-Kaimuki</td>
<td>55</td>
<td>41.827</td>
</tr>
<tr>
<td>Waialae-Hawaii Kai</td>
<td>5</td>
<td>1.100</td>
</tr>
</tbody>
</table>

The remaining ground water supplies may be withdrawn by obtaining permits from the Board of Land and Natural Resources.

RECOMMENDATION:

That the Board certify the existing withdrawals and uses for each well tabulated on the attached "Certification of Ground Water Withdrawals and Uses, Honolulu Ground Water Control Area" dated September 11, 1981, subject to any special conditions and applicable laws, rules and regulations.

Respectfully submitted,

ROBERT T. CHUCK  
Manager-Chief Engineer

APPROVED FOR SUBMITTAL:  
SUSUMU ONO, Chairman

ITEM D-4
<table>
<thead>
<tr>
<th>User/Source</th>
<th>State Well No.</th>
<th>Total Wells</th>
<th>Source Use</th>
<th>Source Capacity (mgd)</th>
<th>5-yr Ave. Willr-</th>
<th>Withdrawal</th>
<th>Maximum Daily (mgd)</th>
<th>Total Annual (mgd)</th>
<th>Average Daily (mgd)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
<td>Withdrawal</td>
<td>Use</td>
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<td>MOANALUA-KAIMUKI Subarea</td>
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<tr>
<td>Kaimuki Station</td>
<td>1748-03 to 10</td>
<td>8</td>
<td>Mun.</td>
<td>22.32</td>
<td>3.60</td>
<td>Mun.</td>
<td>14.17</td>
<td>1,246.85</td>
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<td>Palolo Well</td>
<td>1847-01</td>
<td>1</td>
<td>Mun.</td>
<td>1.51</td>
<td>0.21</td>
<td>Mun.</td>
<td>1.70</td>
<td>478.15</td>
<td>1.31</td>
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<tr>
<td>Wilder Station</td>
<td>1849-13 to 16</td>
<td>4</td>
<td>Mun.</td>
<td>10.08</td>
<td>1.85</td>
<td>Mun.</td>
<td>10.08</td>
<td>1,098.75</td>
<td>5.76</td>
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<tr>
<td>Ukelele Station</td>
<td>1851-12, 13, 24,</td>
<td>9</td>
<td>Mun.</td>
<td>22.53</td>
<td>6.46</td>
<td>Mun.</td>
<td>18.14</td>
<td>2,422.60</td>
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<td>Kalihi Pump</td>
<td>1952-08 to 08</td>
<td>8</td>
<td>Mun.</td>
<td>14.12</td>
<td>4.83</td>
<td>Mun.</td>
<td>11.82</td>
<td>1,702.95</td>
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<td>Kalihi Shaft</td>
<td>2002-08</td>
<td>1</td>
<td>Mun.</td>
<td>17.28</td>
<td>6.11</td>
<td>Mun.</td>
<td>17.28</td>
<td>2,068.15</td>
<td>6.11</td>
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<td>Honolulu Station</td>
<td>2153-10 to 12</td>
<td>3</td>
<td>Mun.</td>
<td>0.018</td>
<td>3.29</td>
<td>Mun.</td>
<td>0.048</td>
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<td>Subtotal (OWS Wells)</td>
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<td>12,271.30</td>
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<tr>
<td>Amorita H.C. &amp; D.</td>
<td>2053-05</td>
<td>1</td>
<td>Ind.</td>
<td>0.576</td>
<td>0.139</td>
<td>Ind.</td>
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<td>Army - Ft. Shafter</td>
<td>2053-10, 11</td>
<td>2</td>
<td>Dom.</td>
<td>3.6</td>
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<td>Dom.</td>
<td>1.555</td>
<td>0.609</td>
<td>Dom.</td>
<td>1.555</td>
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<td>Bishop Trust</td>
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<td>Ind.</td>
<td>1.15</td>
<td>0.68</td>
<td>Ind.</td>
<td>1.15</td>
<td>21.90</td>
<td>0.68</td>
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<td>Dole Monte Corp.</td>
<td>2153-13</td>
<td>1</td>
<td>Ind.</td>
<td>1.296</td>
<td>0.244</td>
<td>Ind.</td>
<td>1.296</td>
<td>99.06</td>
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<td>Castle &amp; Cooke Foods</td>
<td>1955-11, 12, 20, 21</td>
<td>4</td>
<td>Ind. Nut. Flow</td>
<td>2.8</td>
<td>0.822</td>
<td>Ind. Nut. Flow</td>
<td>2.8</td>
<td>73.12</td>
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<td>Hawaii Meat Co., Ltd.</td>
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<td>0.144</td>
<td>0.082</td>
<td>Ind.</td>
<td>0.144</td>
<td>29.93</td>
<td>0.082</td>
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<td>Honolulu Gas Co.</td>
<td>1952-14</td>
<td>1</td>
<td>Ind.</td>
<td>14.6</td>
<td>2.5</td>
<td>Ind.</td>
<td>14.6</td>
<td>312.50</td>
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<td>1</td>
<td>Irr. Nut. Flow</td>
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<td>3.29</td>
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<td>Dom.</td>
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<td>No data</td>
<td>Irr.</td>
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<td>122.84</td>
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<td>Love's Bakery</td>
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<td>WTL. Inc.</td>
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<td>Pacifica-Oxic Hotel</td>
<td>1750-09</td>
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<td>Oth.</td>
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<td>No data</td>
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<td>No data</td>
<td>Oth.</td>
<td>0.24</td>
<td>0.76</td>
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<td>Punahou School</td>
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<td>0.145</td>
<td>Dom.</td>
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<td>Queen's Mod. Ctr</td>
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<td>Dom.</td>
<td>0.180</td>
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<td>S.M. Damon Estates</td>
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<td>Subtotal (Private Users)</td>
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<td>27</td>
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<td>35,635</td>
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<td>TOTAL - Moanalua-Kaimuki Subarea</td>
<td>61</td>
<td>121.774</td>
<td>41.627</td>
<td>114.873</td>
<td>15,266.85</td>
<td>41.827</td>
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<td>MAILEA-IIHAWAI KAI Subarea</td>
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<td>Board of Water Supply</td>
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<tr>
<td>Aina Koa</td>
<td>1746-01</td>
<td>1</td>
<td>Mun.</td>
<td>0.504</td>
<td>0.40</td>
<td>Mun.</td>
<td>0.504</td>
<td>146.00</td>
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<td>Waluas Iki Station</td>
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<td>0.19</td>
<td>Mun.</td>
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<td>60.35</td>
<td>0.19</td>
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<td>1</td>
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<td>Mun.</td>
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<td>Subtotal (BWS Wells)</td>
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<td>3.484</td>
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<tr>
<td>Waiua Country Club</td>
<td>1646-01</td>
<td>1</td>
<td>Irr.</td>
<td>0.864</td>
<td>0.270</td>
<td>Irr.</td>
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<td>98.55</td>
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<td>TOTAL - Waiua-IIhawai Kai Subarea</td>
<td>4</td>
<td>4.752</td>
<td>1.100</td>
<td>2.562</td>
<td>401.50</td>
<td>1.100</td>
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</table>

B9
Mr. Ed Sakoda, Geologist
Division of Water and Land Development
Department of Land and Natural Resources
1151 Punchbowl Street
Honolulu, Hawaii 96813

Dear Ed:

Pursuant to your recent request, I am transmitting a list of the public water systems and sources presently on our inventory of public water systems for the newly designated Waialua and Honolulu Groundwater Control Areas. As mentioned, a public water system as defined by Chapter 49, Public Health Regulations is any system which serves 25 or more persons 60 days per year. The enclosed list, therefore, does not include sources for water systems serving less than 25 persons.

HONOLULU GROUNDWATER CONTROL AREA

<table>
<thead>
<tr>
<th>System No.</th>
<th>Sources No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>301 Dole Pineapple Canning Water System</td>
<td>USGS 1952-11</td>
</tr>
<tr>
<td></td>
<td>USGS 1952-13</td>
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<tr>
<td></td>
<td>USGS 1952-20</td>
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<td>USGS 1952-21</td>
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<tr>
<td>308 MTL Water System</td>
<td>USGS 1851-20</td>
</tr>
<tr>
<td>312 Queen's Medical Center</td>
<td>USGS 1851-11</td>
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<tr>
<td>319 Kamehameha Schools</td>
<td>USGS 2052-07</td>
</tr>
<tr>
<td>323 Pacific Club</td>
<td>USGS 1851-07</td>
</tr>
<tr>
<td>324 Punahou School</td>
<td>USGS 1849-10</td>
</tr>
<tr>
<td>330 Sheraton Hotels</td>
<td>USGS 1749-19</td>
</tr>
</tbody>
</table>
Rapid Transit well

This well cased to 464 ft. 12" pipe

3,900.00

#87
ISOPHOTE MAP

MISCELLANEOUS FIELD NOTES

D.W. #87: Honolulu, Kap. I. Turner

Kake Aki

BM: El 1587 + on top rim Mnt E.3 (SW)

Located in manhole in shallow manhole

roadway between two buildings, right side
door to Purchase Office

1460.5

Head - 28.37

4122.65 + 1415 Hand - 26.92

1053.4 - 147.4

(South)

Bill Mifsud

A.M. "K" No. 364

No. of sheets

GPO: 1984-074-403
May 22, 1981

Hi'L, Inc.
1133 Alapai Street
Honolulu, Hawaii 96813

Attn: Mr. Roy A. Parker, Director
City & County Dept. of Trans. Services

Gentlemen:

Honolulu Ground Water Control Area

May 14

We acknowledge receipt on May 14, 1981, your Declaration of Existing Water Withdrawal and Use in the Honolulu Ground Water Control Area. Our staff will review the data and may contact you for a field inspection of your well(s) before certification of your declared water use is made by the Board of Land and Natural Resources.

We appreciate your early filing of the declaration of existing water use.

Very truly yours,

[Signature]

ROBERT T. CHUCK
Manager-Chief Engineer

ES: dh
<table>
<thead>
<tr>
<th>To</th>
<th>Initial</th>
<th>Action Required</th>
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</thead>
<tbody>
<tr>
<td>Robert T. Chuck</td>
<td></td>
<td>See Me</td>
</tr>
<tr>
<td>Takeo Fujii</td>
<td></td>
<td>Take action by</td>
</tr>
<tr>
<td>James Yoshimoto</td>
<td></td>
<td>Route to your branch</td>
</tr>
<tr>
<td>Manabu Tagomori</td>
<td></td>
<td>Review &amp; comment</td>
</tr>
<tr>
<td>George Morimoto</td>
<td></td>
<td>Draft reply by</td>
</tr>
<tr>
<td>Hong Fong Chang</td>
<td></td>
<td>For information</td>
</tr>
<tr>
<td>Herbert Morimatsu</td>
<td></td>
<td>Xerox distributed</td>
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<tr>
<td>George Miyashiro</td>
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<td>Acknowledge receipt</td>
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<td>Harold Sakai</td>
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<td>Leslie Asari</td>
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<td>Albert Ching</td>
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<td>Daniel Lum</td>
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<td>Paul Matsuo</td>
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<td>Noboru Kaneshiro</td>
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<td>Edwin Sakoda</td>
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From: [Name]
Date: 5/11
File in: [Location]
State of Hawaii  
Department of Land and Natural Resources

DECLARATION OF EXISTING WATER WITHDRAWAL AND USE  
Honolulu and Waialua Ground Water Control Areas

Instructions: This form must be properly completed, signed, and submitted for each individual well or connected battery of wells on or before June 4, 1981, in accordance with Regulation 9 of the Department. Submit the form with any attachments to Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

1. WATER USER: Name MTL, Inc. Mailing address 1133 Alapai St. Phone: 521-5526 Safety Coordinator Arthur H. Loeb

2. WATER USER'S CONNECTED BATTERY OF WELLS:  
User's Well Name and Location Alapai Division Tax Map Key: 2-1-42

<table>
<thead>
<tr>
<th>User's Well No. (s)</th>
<th>Pump or natural flow capacity (gpm)</th>
<th>Capacity determined by flowmeter, nameplate, orifice, etc. (specify)</th>
<th>Year pump inst./modified</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Pump/1/4</td>
<td>Flowmeter</td>
<td>1/4</td>
</tr>
</tbody>
</table>

3. BENEFICIAL USE OF WATER:  
(a) Major Use:  
[ ] Municipal  [ ] Agriculture  [ ] Military  [ ] Industrial  [ ] Bus Transit Sys  
[ ] Domestic  [ ] Other (specify)  (specify)

(b) Minor Uses:  
(specify)    , total acreage irrigated (specify), and attach map showing acreage irrigated by the well source.

(c) For Agriculture Use list crop(s) , total acreage irrigated , and attach map showing acreage irrigated by the well source.

4. BENEFICIALLY USED WATER WITHDRAWALS:  
(a) All figures given in (b) are records of:  
[ ] Metered flow  [ ] Nameplate pump capacity  
[ ] Orifice  [ ] weir  [ ] Other (specify)  (specify)

(b) Records available (in million gallons per day, three decimal places):

<table>
<thead>
<tr>
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<th></th>
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<tr>
<td>Jan.</td>
<td>0.359</td>
<td>0.644</td>
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<tr>
<td>Feb.</td>
<td>0.415</td>
<td>0.895</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Mar.</td>
<td>0.413</td>
<td>0.813</td>
<td></td>
<td></td>
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<tr>
<td>Apr.</td>
<td>0.792</td>
<td>0.807</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>May</td>
<td>0.258</td>
<td>0.031</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>June</td>
<td>0.258</td>
<td>0.025</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>July</td>
<td>0.297</td>
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<td></td>
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<tr>
<td>Aug.</td>
<td>0.290</td>
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<tr>
<td>Sep.</td>
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<td>1.035</td>
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<tr>
<td>Nov.</td>
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<tr>
<td>Dec.</td>
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<td>0.405</td>
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<td></td>
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<tr>
<td>Yr. total</td>
<td>3.900</td>
<td>4.857</td>
<td></td>
<td></td>
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<tr>
<td>Mo. Ave.</td>
<td>0.325</td>
<td>0.405</td>
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<td></td>
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<tr>
<td>5-year average:</td>
<td>mgd, highest day use</td>
<td>0.895 mgd on Feb., 1980</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</table>

(c) For Agriculture Use only: description of withdrawal schedule (include times of day and days of week): ________________________________

5. WELL DESCRIPTION:  
On the attached sheet, make corrections or additions thereon in red pencil as necessary and return with Declaration form. If information is readily available in another form, you may submit it in lieu of the corrected sheet.


Endorsing of Well Site: Roy A. Parker, Director Date: 5/3/81

For Official Use: Last day to certify _____________________  Date certified _____________________  Amount certified _____________________  WELL(S) No. ___________________
**WELL INFORMATION SHEET**

Instructions: The following information is currently on file at the Department of Land and Natural Resources, Division of Water and Land Development. If there are any changes, please make the necessary corrections and return to the Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

<table>
<thead>
<tr>
<th>Field</th>
<th>Information</th>
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<tr>
<td>Well Number:</td>
<td>1881-20</td>
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<tr>
<td>Name or Location:</td>
<td>Beretania St.</td>
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<tr>
<td>Owner or User:</td>
<td>HRT</td>
</tr>
<tr>
<td>Year drilled:</td>
<td>1901</td>
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<tr>
<td>Driller:</td>
<td>McCandless</td>
</tr>
<tr>
<td>Ground Surface Elevation in feet referenced to mean sea level:</td>
<td>19</td>
</tr>
<tr>
<td>Casing Diameter in inches:</td>
<td>8</td>
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<tr>
<td>Total depth of well in feet:</td>
<td>576</td>
</tr>
<tr>
<td>Casing depth in feet:</td>
<td>532</td>
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<tr>
<td>Major Use:</td>
<td></td>
</tr>
<tr>
<td>Domestic</td>
<td>□</td>
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<tr>
<td>Disposal</td>
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<td>□</td>
</tr>
<tr>
<td>Unused</td>
<td>□</td>
</tr>
<tr>
<td>Lost</td>
<td>□</td>
</tr>
<tr>
<td>Irrigation</td>
<td>□</td>
</tr>
<tr>
<td>Sealed</td>
<td>□</td>
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<tr>
<td>Recharge</td>
<td>□</td>
</tr>
<tr>
<td>Industrial</td>
<td>□</td>
</tr>
<tr>
<td>Observation</td>
<td>□</td>
</tr>
<tr>
<td>Other (specify)</td>
<td></td>
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<tr>
<td>Static Water Level in feet:</td>
<td>26.9</td>
</tr>
<tr>
<td>Chloride content of water in milligrams/liter:</td>
<td>35-75</td>
</tr>
<tr>
<td>Installed pump capacity in million gallons per day:</td>
<td></td>
</tr>
<tr>
<td>Average annual draft in million gallons per day:</td>
<td>0.1</td>
</tr>
</tbody>
</table>
RECEIVED
81 MAY 14  AS  18
DIV. OF WATER &
LAND DEVELOPMENT
March 16, 1981

Mass Transit, Ltd.
1140 Alapai Street
Honolulu, Hawaii 96813

On February 27, 1981, the Board of Land and Natural Resources designated the Honolulu and Waialua Districts as the Honolulu Ground Water Control Area and the Waialua Ground Water Control Area. By this action, the Department of Land and Natural Resources is now responsible for regulating all uses of ground water in these areas.

If you are currently using ground water from any well or spring source, you are required to declare such water use to the Department of Land and Natural Resources if you wish to continue your present use. Specifically, you must fill out, sign, and return the enclosed Declaration of Existing Water Withdrawal and Use form to the Department by June 4, 1981, in accordance with Regulation 9 of the Department of Land and Natural Resources.

According to our records, you have 1 well(s) located on your property (Tax Map Key ). Please complete the enclosed form and return it as soon as possible to: Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

If you have any questions or need help in filling out the form, please call the Division of Water and Land Development at 548-7619. Thank you for your cooperation.

Very truly yours,

SUSUMU ONO
Chairman of the Board

Enc.
DESIGNATION OF THE
HONOLULU AND WAIALUA GROUND WATER CONTROL AREAS

Public Notice

On February 27, 1981, the Board of Land and Natural Resources at its regularly scheduled meeting in Honolulu, designated the Honolulu and Waialua Districts of Oahu as the Honolulu Ground Water Control Area and the Waialua Ground Water Control Area for the purpose of regulating the uses of ground water resources therein for the public interest. By this action, the Board of Land and Natural Resources shall exercise its authority to regulate all existing and new uses and withdrawals of water within the designated areas under the provisions of Regulation 9 of the Department of Land and Natural Resources.

Notice is hereby given that within the designated areas and in accordance with Regulation 9:

(1) All existing uses of ground water which are lawful and beneficial may be preserved and continued if such uses are properly declared within 90 days of the date of this notice, March 6, 1981, and certified by the Board of Land and Natural Resources. However, the right to such preserved uses may be completely or partly lost through non-use.

(2) All new or additional withdrawals and uses of ground water, excepting individual household uses and preserved uses, shall be strictly regulated by the issuance of Water Use Permits and Water Supply Permits by the Board of Land and Natural Resources.

(3) All construction or modification of any well capable of producing ground water shall require a Well Drilling/Modification Permit issued by the Chairman of the Board.

(4) Private wells for individual household uses of ground water are exempt from regulation, but reports of such uses must be filed with the Board of Land and Natural Resources.

For further information, contact the Division of Water and Land Development, Phone 548-7539.

BOARD OF LAND AND NATURAL RESOURCES

SUSUMU ONO
Chairman of the Board

Dated: March 3, 1981
Publish In: Honolulu Advertiser issue of March 6, 1981 and Honolulu Star Bulletin issue of March 6, 1981
Mapped, edited, and published by the Geological Survey.

Control by USGS, USC&GS, and Hawaii State Survey.


Selected hydrographic data compiled from USC&GS Charts 4109 (1965), 4111 (1967), and 4132 (1965).

This information is not intended for navigational purposes.

Projective projection: Old Hawaiian datum

10,000-foot grid based on Hawaii coordinate system, zone 3

1000-meter Universal Transverse Mercator grid ticks, zone 4, shown in blue.

Red dot indicates street at which only landmark buildings are shown.

Well No. 1851-20
Building Department
City and County of Honolulu
Honolulu Municipal Building
650 South King Street
Honolulu, HI 96813

Sealing of Well No. 1851-20 at Tax Map Key 2-1-42: 11

This certifies that Well No. 1851-20 at Tax Map Key 2-1-42: 11, 1177 Alapai Street, Honolulu, has been sealed according to the requirements of the Administrative Rules of the State Water Code, Chapter 13-168, Water Use, Wells, and Stream Diversion Works.

Thank you for your cooperation in the sealing of this well for the preservation of our ground water.

Sincerely,

MANABU TAGOMORI
Deputy Director

ES:fc

cc: USGS
Department of Health
Safe Drinking Water Branch
Ground Water Protection Program
Honolulu Board of Water Supply
Roscoe Moss Co.
WELL ABANDONMENT REPORT

Well Name or Location: 1177 Alapai Street
State Well No.: 1851-20
Tax Map Key: 2-1-42:11
Date work completed: 4/15/91
Form completed by: L.H. Runnells

Land Owner: City and County of Honolulu
Applicant: Building Department, City and County of Honolulu
Drilling Contractor: 

Finished Grade El.: 12 ft.

Check material used:
☐ Cement
☐ Sand/Cement 3 Cube ft.

Sand/Cement ratio: 

Well was leaking between 8" casing and 12" casing. Pressure grouted 40 bags of cement into annular space between 8" casing and 12" casing.

Well was leaking between 8" casing and 12" casing.
State of Hawaii  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
Division of Water and Land Development  
Honolulu, Hawaii  

WELL ABANDONMENT REPORT

Well Name or Location: 1177 Alapai Street  
State Well No.: 1851-20  
Tax Map Key: 2-1-42:11  
Date work completed: 8-15-90  
Form completed by:  
Land Owner: City and County of Honolulu  
Applicant: Building Department, City and County of Honolulu  
Drilling Contractor: 

Finished Grade El.: 12 ft.

Check material used:  
☐ Cement  
☐ Sand/Cement 3 cu. yd.  
Sand/Cement ratio:  

Measured Depth: 529 ft.  
(blank csg.)  

Measured Depth: 529 ft.  
(bottom of csg.)  

Measured Depth: __ ft.  
(top of sandfill)  

Measured Depth: 587 ft.  
(total depth of well)  

(Return completed form to the Division of Water and Land Development, P.O. Box 373, Honolulu, Hawaii 96809)
Date: 4-10 1991
Job No: 40-892
Hole No: 830
Elevation: _____ ft.

Customer: HPD
Location: 

Driller: Harold Fenton 98 Hrs.  
Helper: Lance Mattson 88 Hrs.  

Rig:  
Gas:  
Oil:  
Reps:  

Arv. Job:  
Lv. Job:  

Hrs. Repairs:  

Arv. Job:  
Lv. Job:  

Hrs. Or. No:  

Bit-Size:  
Type:  

Casing-Size: in., Length in hole: ft.  
Amt. Perforated: in.  

Depth Start: ft., Depth Stop: ft., Feet Drilled:  

Water Levels, Time: M ft., Time: M ft.  

Remarks: Picked up 5' of 16" conductor pipe. 

8 Bags cement 4 Bags cement 12" put 4" relieve pipe on well.

Signed: Harold Fenton  
Date: 4-10 1991
Well Name or Location: 1177 Alapai Street

State Well No.: 1851-20  Tax Map Key: 2-1-42:11

Date work completed: 6-15-90  Form completed by: L.H. Russell

Land Owner: City and County of Honolulu

Applicant: Building Department, City and County of Honolulu

Drilling Contractor:

Finished Grade El.: 12 ft.

Measured Depth: 529 ft. (blank casing)

Measured Depth: 529 ft. (bottom of casing)

Measured Depth: ft. (top of sandfill)

Measured Depth: 587 ft. (total depth of well)

Check material used:

- Cement
- Sand/Cement 3 cubic ft

Sand/Cement ratio: 1

(Return completed form to the Division of Water and Land Development, P.O. Box 373, Honolulu, Hawaii 96809)
TO: Building Department  
City and County of Honolulu  
Honolulu Municipal Building  
650 South King Street  
Honolulu, Hawaii 96813

In accordance with Chapter 13-168, Water Use, Wells, and Stream Diversion Works, your application to seal and abandon Well No. 1851-20 at Tax Map Key: 2-1-42:11 is approved subject to the following conditions:

1. The Division of Water and Land Development (DOWALD), Geology-Hydrology Section shall be notified at 548-7543, before any work covered by this permit commences.

2. The Well Abandonment Report form shall be submitted to DOWALD, P.O. Box 373, Honolulu, Hawaii 96809, within 30 days after completion of the work.

3. A licensed well drilling contractor shall do the work.

4. The applicant shall comply with all applicable laws, rules, and ordinances.

5. This permit may be revoked if work is not started within six months of the date of issuance or if work is suspended or abandoned for six months. The work shall be completed within two years of the date of issuance.

WILLIAM W. PATY, Chairperson  
Commission on Water Resource Management

MAR 20 1990
Date of Issuance
Enc. (Well Abandonment Report form)
cc: USGS
Department of Health  
Drinking Water Branch  
Ground Water Protection Program  
Honolulu Board of Water Supply
TO  Ed

DATE  3/12  TIME  3:02 PM

WHILE YOU WERE OUT

M  Doug Collins

of

Phone  521-6075

<table>
<thead>
<tr>
<th>TELEMONED</th>
<th>PLEASE CALL</th>
<th>CALLED TO SEE YOU</th>
<th>WILL CALL AGAIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>WANTS TO SEE YOU</td>
<td>URGENT</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Returned your call

Message  C-2101

Rescue Nets

A permit to Bldg. Dept

Operator
9/26/89 Spoke w/Douglas Collins to make sure a drilling contractor does the job & to get description of the proposed work. He's to get back to me in a week or two. 

Issue permit to Bobby Dept.
September 15, 1989

Mr. Manobu Tagamori, Director
Division of Water and Land Development
Department of Land and Natural Resources
State of Hawaii
P. O. Box 373
Honolulu, Hawaii 96809

Dear Mr. Tagamori:

Subject: Application for Sealing of Well No. 1851-20
at TMK: 2-1-42:11 on 1177 Alapai Street

Attached is our application to seal active well no. 1851-20
on the subject property.

Should there be any questions, please have your staff call
Douglas Collinson at ph. 527-6375.

Very truly yours,

FOR HERBERT K. MURAOKA
Director and Building Superintendent

attach.
APPLICATION FOR

☐ WELL CONSTRUCTION PERMIT
☐ PUMP INSTALLATION PERMIT

INSTRUCTIONS: Please print or type and send completed application with attachments to the Division of Water and Land Development, P.O. Box 373, Honolulu, Hawaii 96808. Application must be accompanied by a non-refundable filing fee of $25.00 payable to the Department of Land and Natural Resources. (Filing fee waived for government agencies.) If necessary, phone 548-7143, Hydrology/Geology Section for assistance.

1. WELL LOCATION

Island Oahu

Tax Map Key 2-1-42:11

Address 1177 Alapai Street, Honolulu, Hawaii 96813

(Attach a USGS map (scale 1"=2000') and property tax map showing well location referenced to established property boundaries.)

2. WELL OWNER

[Dept. of Transp. Services] Firm Name City & County of Honolulu

Contact Person Director, DTS

Address 650 S. King Street

Honolulu, Hawaii 96813

Phone 523-4125

LANDOWNER

[Dept. of Transp. Services (DTS)] Firm Name City & County of Honolulu

Contact Person Director, DTS

Address 650 S. King Street

Honolulu, Hawaii 96813

Phone 523-4125

3. PROPOSED CONTRACTOR FOR: ☐ Well Drilling ☐ Pump Installation

Name N/A

Address ____________________________ Phone ____________________________

Contractor's License No. ____________________________

4. PROPOSED WORK

☐ Drill New Well ☐ Alter

☐ Install New Pump ☐ Sealed Pump

☐ Deepen ☐ Replace Pump

☐ Redrill ☐ Abandon

☐ Modify Pump

(Briefly describe the proposed work and fill in the diagram on the back of this form.)

5. PROPOSED USE

☐ Municipal (including hotels, stores, etc.) ☐ Military

☐ Domestic (individual, noncommercial water systems) ☐ Industrial

☐ Irrigation (specify) ☐ Other (specify)_

6. PROPOSED AMOUNT OF WITHDRAWAL N/A __________ gallons per day

7. PROPOSED PUMP INFORMATION

Pump Type: ☐ Vertical Turbine ☐ Submersible ☐ Centrifugal

Motor: ☐ Diesel ☐ Gas ☐ Electric: __________________ Rated Horsepower

Rated Pump Capacity __________ gallons per minute (gpm)

Well Owner (print) DTS City & County of Honolulu

Signature ____________________________ Date ____________________________

Landowner (print) DTS City & County of Honolulu

Signature ____________________________ Date ____________________________

For Official Use Only:

Field Checked By __________________ Latitude __________________ Hydrologic Unit __________________

Date __________________ Longitude __________________ State Well No. __________________

N/A
Briefly describe the proposed work:
Seal active Well No. 1851-20

Ground Elev. 14.0 ft., msl*

Solid Casing:
- Material ____________________________
- Length ____________________________ ft.
- Diameter ____________________________ in.
- Wall thickness ____________________________ in.

Casing: / /Perforated / /Screen
- Material ____________________________
- Length ____________________________ ft.
- Diameter ____________________________ in.
- Wall thickness ____________________________ in.
- Openings __________ sq. in./L.F.

Open Hole:
- Length ____________________________
- Diameter ____________________________ in.

Artesian Head = 24'

*Approximate elevation at time of filing application. Final elevation (msl) by a surveyor licensed by the State must be submitted at start of construction.
FACSIMILE TRANSMITTAL PAGE

Please deliver the following pages to:

Name: Al Runnels
Company: Roscoe Moss Co.
From: Ed Sakoda
Date: 3-12-90 Time: 10:20 am

Message:

--------------------------------------------------

Total number of pages (including Transmittal Page): 2

* * * * * * * *

If you do not receive all of the pages legibly, please call back: (808) 548-1543

Sending Facsimile Number: (808) 548-6052
Receiving Facsimile Number: (_ ) 839-2920
FACSIMILE TRANSMITTAL PAGE

Please deliver the following pages to:

Name: Al Runnels
Company: Rescue Press Co.
From: Ed Sato
Date: 3-12-90 Time: 10:20 AM

Message:

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

Total number of pages (including Transmittal Page): __2__

If you do not receive all of the pages legibly, please call back: (808) 548-7443

Sending Facsimile Number: (808) 548-6052
Receiving Facsimile Number: ( ) 839-2920

TRANSMISSION REPORT

THIS DOCUMENT (REDUCED SAMPLE ABOVE) WAS SENT

** COUNT **
# 2

*** SEND ***

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<th>DURATION</th>
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<th>COMMENT</th>
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<td>3-12-90</td>
<td>10:20 AM</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

TOTAL 0:01'11" 2
XEROX TELECOPIER 7020
March 16, 1981

Mass Transit, Ltd.
1140 Alapai Street
Honolulu, Hawaii 96813

On February 27, 1981, the Board of Land and Natural Resources designated the Honolulu and Waialua Districts as the Honolulu Ground Water Control Area and the Waialua Ground Water Control Area. By this action, the Department of Land and Natural Resources is now responsible for regulating all uses of ground water in these areas.

If you are currently using ground water from any well or spring source, you are required to declare such water use to the Department of Land and Natural Resources if you wish to continue your present use. Specifically, you must fill out, sign, and return the enclosed Declaration of Existing Water Withdrawal and Use form to the Department by June 4, 1981, in accordance with Regulation 9 of the Department of Land and Natural Resources.

According to our records, you have [ ] well(s) located on your property (Tax Map Key ________). Please complete the enclosed form and return it as soon as possible to: Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

If you have any questions or need help in filling out the form, please call the Division of Water and Land Development at 548-7619. Thank you for your cooperation.

Very truly yours,

SUSUMU ONO
Chairman of the Board

Enc.
WELL INFORMATION SHEET

Instructions: The following information is currently on file at the Department of Land and Natural Resources, Division of Water and Land Development. If there are any changes, please make the necessary corrections and return to the Department of Land and Natural Resources, P.O. Box 373, Honolulu, Hawaii 96809.

Well Number: 1951-20
Name or Location: Beretania St.
Owner or User: H.R.T.
Year drilled: 1901
Driller: McCandless
Ground Surface Elevation in feet referenced to mean sea level: 19
Casing Diameter in inches: 8
Total depth of well in feet: 576
Casing depth in feet: 532

Major Use:
☐ Domestic ☐ Disposal
☐ Municipal ☐ Unused ☐ Lost
☐ Irrigation ☐ Sealed ☐ Recharge
☒ Industrial ☐ Observation ☐ Other (specify)

Static Water Level in feet: 24.9
Chloride content of water in milligrams/liter: 36-75
Installed pump capacity in million gallons per day: 
Average annual draft in million gallons per day: 0.1