To "Mitch Ohye" <mitchell.k.ohye@hawaii.gov>
cc
bcc
Subject Lat/long

Well 3185-03
19 31 03.6
154 55 47.1

Well 3185-02
19 31 16.2
154 55 33.7

Glenn
Sent via BlackBerry from T-Mobile
Ms. Pam Gibson  
Hawaiian Shores Community Association  
15-2793 Honu St.  
Pahoa, HI 96778

Dear Ms. Gibson:

Pump Installation Permit Application for Well No. 3185-02

We received your permit application for the Hawaiian Shores 2 Well (Well No. 3185-02) on July 16, 2003. To reiterate the phone conversation between you and Ryan Imata of Commission staff on July 18, 2003, a permit is not required since you are replacing a 500 gpm pump with a 400-450 gpm pump. A permit is only required if the new pump exceeds the capacity of the permitted pump.

We have attached a copy of the Well Completion Report Part II for your use. You will need to have your contractor complete this report and return it to our office within 60 days of the installation of the pump.

If you have any questions, please contact Ryan Imata of the Commission staff at 587-0255 or toll-free at 974-4000, extension 70255.

Sincerely,

ERNEST Y.W. LAU  
Deputy Director

RI:ss  
Attachment
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REMARKS:
LINE (1) Well No. 1332-01
LINE (2) Piwai Well No. 3 (TMK: 2-5-01:02)
LINE (3) Well No. 3185-02
LINE (4) Kahana Delaney Well (TMK: 4-3-10:30)
LINE (5) Kamaole Maui Hill Well (TMK: 3-9-04:081)
Looks like a pump replacement that would only require WCRZ. Please verify.

WCP: no need
State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources
APPLICATION FOR PERMIT
☐ Well Construction and/or ☐ Pump Installation

Instruction: Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 821, Honolulu, Hawaii 96820. Application must be accompanied by 5 copies and a non-refundable filing fee of $28.98 payable to the Dept. of Land and Natural Resources. The Commission may not accept incomplete applications. For assistance, call the Regulation Branch at 1-808-587-0225.

For further information and updates to this application form, visit http://www.hawaii.gov/dlnr.

APPLICANT INFORMATION: (Fill out all lines, if applicable, and put a check next to the primary contact)

1. (a) ☐ WELL OWNER:
   Hawaiian Shores Com.
   Contact Person: Pam Gibson
   Mailing Address: 15-2793 Honu St Pahoa, HI 96778
   Fax: 808-965-0802
   E-mail: hsc@bellsouth.net
   Phone: same
   (b) ☐ LAND OWNER: same
   Contact Person: same
   Mailing Address: same
   Fax: same
   E-mail: same
   (c) ☐ CONTRACTOR: not at present
   Contact Person: same
   Phone: same

WELL & PUMP INFORMATION: (Please fill in the diagram on the back of this form.)

2. WELL NAME: Hawaiian Shores
   Island: Hawaii
   Address: 15-2793 Honu St Pahoa
   Tax Map Key: 1.5.101.009
   (a) portion of a 7.5-Minute Series USGS topographic map (scale 1:24,000) with well location labeled and include the name of the qud map
   (b) a property tax map, showing well location referenced to established property boundaries

3. PROPOSED WORK:
   (check all that apply)
   ☐ Construct New Well
   ☐ Modify Existing Well
   ☐ Abandon/Seal
   Other: purchase standby pump

4. CONSTRUCTION:
   ☐ Drilled ☐ Dug ☐ Shaft ☐ Tunnel
   Is this well part of a battery of wells? ☐ Yes ☐ No (Please describe)
   private well for subdivision

5. PROPOSED PUMPING RATE:
   400-450 gallons per minute

6. PROPOSED USE:
   (check all that apply)
   ☐ Municipal (including hotels, stores, etc.) ☐ Industrial
   ☐ Domestic (individual, noncommercial water system)
   ☐ Irrigation (crop)
   ☐ No. of Acres:
   ☐ Military
   ☐ Other (explain):

   Yes ☐ No

7. (a) PROPOSED AMOUNT OF WITHDRAWAL: 160,000 gallons per day
   (b) METHOD OF FLOW MEASUREMENT:
   ☐ Flowmeter ☐ Open-pipe ☐ weir ☐ Office
   Other (explain): tank gauge

OTHER IMPORTANT INFORMATION:

8. LEGAL REQUIREMENTS: if required, these permits must be obtained before the Commission can legally issue a permit.
   Conservation District Use Permit (CDUP) To find out if a CDUP is necessary, call DLNR Land Division at 587-0414
   If Required ☐ required, date approved
   Environmental Impact Statement (EIS) or Environmental Assessment (EA) To determine if an EIS or EA is necessary, call OEQC at 586-4166
   If Required ☐ required, date published in OEQC bulletin
   Special Management Area Permit (SMAAP) To determine if an SMAAP is necessary: on Oahu, call 527-6374; on Maui, 981-6286; for Molokai county, call 270-7236; on Kauai, call 241-8837.
   If Required ☐ required, date approved

9. REMARKS, EXPLANATIONS:
   see attachment
10. PROPOSED WELL SECTION (Please attach schematic if different from diagram provided below)

- Elevation at top of casing: ___________ ft., m.t
- Minimum of 2' Radius & 4" Thick Concrete Pad (to contain benchmark surveyed to nearest 0.01 ft.)
- Ground Elevation: ___________ ft., m.t
- Hole Diameter: ___________ in.
- Total Depth: ___________ ft.
- Annular space between hole and casing: ___________ in.
- Rock or Gravel Packing:
  - Material: ___________ ft.
    - Crushed Betsel
    - Rounded Gravel
- Estimated Water Level Elevation: ___________ ft., m.t

**Solid Casing Material:**
- Carbon Steel: compliant with (check one or more): □ ANSI/AWWA C200 □ API Spec. 5L □ ASTM A53 □ ASTM A139
- Stainless Steel (check one): □ ASTM A403 (production wells) □ ASTM A312 (monitor wells)
- ABS Plastic conforming to ASTM F490 and ASTM D1688-97: (check one): □ Schedule 40 □ Schedule 80
- PVC Plastic conforming to ASTM F490 and (ASTM D1785 or ASTM D2241): (check one): □ Schedule 40 □ Schedule 80 □ Schedule 120
- Thermoplastic: (check one):
  - Filament Wound Resin Pipe conforming to ASTM D2996
  - Centrally Cased Resin Pipe conforming to ASTM D2997
  - Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
  - Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C960
  - PTFE Fluorocarbon Tubing conforming to ASTM F3239

**Open Casing Material:**
- Carbon Steel: compliant with (check one or more): □ ANSI/AWWA C200 □ API Spec. 5L □ ASTM A53 □ ASTM A139
- Stainless Steel (check one): □ ASTM A403 (production wells) □ ASTM A312 (monitor wells)
- ABS Plastic conforming to ASTM F490 and ASTM D1688-97: (check one): □ Schedule 40 □ Schedule 80
- PVC Plastic conforming to ASTM F490 and (ASTM D1785 or ASTM D2241): (check one): □ Schedule 40 □ Schedule 80 □ Schedule 120
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  - Centrally Cased Resin Pipe conforming to ASTM D2997
  - Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3517
  - Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C960
  - PTFE Fluorocarbon Tubing conforming to ASTM F3239

*The approximate elevation must be referenced to mean sea level (msl) at the time of application filing. Final elevations of well components shall be submitted in the Well Completion/Well Abandonment reports and referenced to a benchmark which has been established by a surveyor licensed by the State.*

For non-salt water Bveal Wells - bottom elevation of well should not be deeper than 14 of aquifer thickness or,

Bottom Elevation of Well Limit = \( \text{Water Elevation} - \frac{1}{4} \times \text{Water Level Elevation} \)

Example: Estimated = 2 ft. Water Level Elev. → Bottom Elevation of Well Limit = \( \left( 2 \times \frac{1}{4} \right) = 1.5 \) ft.
Item 7 - Proposed Amount of Withdrawal - Since the pump being purchased will not be placed in service until it is needed; we have estimated the amount of withdrawal.

Item 9 - Remarks, Explanation - Our existing private water system has served Hawaiian Shores Recreational Estates for the past 30 years. We have used a 40 HP pump and have a 100,000 gallon Storage Tank.

A spare pump has always been available to keep down time to a minimum for our residents when the pump in use becomes inoperable.

At the present time, we need to purchase a spare now and would like to upgrade to a 75 HP pump with your permission. Our storage capacity will not change for the present.

Your consideration and approval is respectfully requested.

MAHALO
July 1, 2003

HAWAI’I HISTORIC PRESERVATION DIVISION REVIEW

Log: 2003.0966
Doc: 0307MM01

Applicant/Agency: Hawaiian Shores Community Association
Address: 15-2793 Honu Street, Pahoa, Hawaii 96778
Project: Purchase of Standby Pump for Existing Waterwell
Location: Waikahiula, Puna, Hawaii Island
Tax Map Key: (3) 1-5-101:009

1. We believe there are no historic properties present:
   
   ______ a. intensive cultivation has altered the land
   ______ b. residential development/urbanization has altered the land
   ______ c. previous grubbing/grading has altered the land
   ______ d. an acceptable archaeological assessment or inventory survey found no historic properties
   ______ e. other Proposal is for an existing well

2. This project has already gone through the historic preservation review process.
   ______ a. mitigation has been completed
   ______ b. other:
   ____ x Thus, we believe that “no historic properties will be affected” by this undertaking.

Signed MaryAnne B. Maigret, Assistant Archaeologist
Historic Preservation Division, Hawai‘i Island

Date 7-1-2003
State of Hawaii
COMMISSION ON WATER RESOURCE MANAGEMENT
Department of Land and Natural Resources
APPLICATION FOR PERMIT

Instructions: Please print in ink or type and send completed application with attachments to the Commission on Water Resource Management, P.O. Box 324, Honolulu, Hawaii 96806. All applications must be accompanied by 5 copies and a non-refundable filing fee of $250 and $6 payable to the Dept. of Land and Natural Resources. The Commission may not accept incomplete applications. For assistance, call the Regulation Branch at 867-0225

APPLICANT INFORMATION: (Fill out all three, if applicable, and please check next to the primary contact)

1. (a) □ WELL OWNER: Hawaiian Shores Comm Assn  
    Contact Person: Pam Gibson  
    Phone: 808-965-8140
    Email: hscasa@bigisland.com

   (b) □ LANDOWNER: same  
    Contact Person: same  
    Phone: same
    Email: scasa@bigisland.com

   (c) □ CONTRACTOR: not at present  
    Contact Person: same  
    Phone: same
    Email: same

WELL & PUMP INFORMATION: (Please fill in the diagram on the back of this form.)

2. WELL NAME: Hawaiian Shores
   Island: Hawaii
   Address 15-2793 Honu St Pahoa
   Tax Map Key: 1 5 101 009

   Attach: (a) portion of a 7.5-minute Series USGS topographic map (scale 1:24,000) with well location labeled and include the name of the quadr map  
   (b) a property tax map, showing well location referenced to established property boundaries

3. PROPOSED WORK:  
   □ Construct New Well  
   □ Install New Pump  
   □ Modify Existing Well  
   □ Modify Pump  
   □ Abandon/Seal  
   Other: purchase standby pump

4. CONSTRUCTION:
   □ Drilled  
   □ Dug  
   □ Shaft  
   □ Tunnel
   Is this well part of a battery of wells? □ Yes □ No (Please describe) private well for subdivision

5. PROPOSED PUMPING RATE: 400-450 gallons per minute

6. PROPOSED USE:
   □ Municipal (including hotels, stores, etc.)  
   □ Industrial

   □ Domestic (individual, noncommercial water system)

   Does this well serve 20 or more people at least 60 days per year or have 15 or more service connections? □ Yes □ No

   □ Irrigation (crop)  
   □ No. of Acres:

   □ Military  
   □ Other (explain):

7. (a) PROPOSED AMOUNT OF WITHDRAWAL: 160,000 gallons per day

   (b) METHOD OF FLOW MEASUREMENT: Flowmeter  
   Open-pipe  
   Well  
   Office  
   Other (explain): please see attached tank gauge

8. LEGAL REQUIREMENTS:

   8a. Required, these permits must be obtained before the Commission can legally issue a permit.

   Conservation District Use Permit (CDUP) To find out if a CDUP is necessary, call DLNR Land Division at 867-0414
   □ Not Required  
   □ If required, data approved

   Environmental Impact Statement (EIS) or Environmental Assessment (EA) To determine if an EIS is EA is necessary, call OEGC at 855-4165
   □ Not Required  
   □ If required, data published in OEGC bulletin

   Special Management Area Permit (SMAP) To determine if an SMAP is necessary, call Oahu, 527-5374; on Hawaii, call 961-5598; for Maui county, call 270-7236; on Kauai, call 241-6577.
   □ Not Required

9. REMARKS, EXPLANATIONS:
   see attachment

   (If more space is needed, please attach additional sheet)

NOTE: Signing below indicates the signatories understand and assure that the information provided on this application is accurate and true to the best of their knowledge. Furthermore, the signatories understand that approval of this application attaches the following standard conditions: 1) the proposed work to be completed within two (2) years of the approval date; 2) the contractor shall submit to the Commission a well completion/abandonment report within 60 days after the completion date of the permitted work; 3) monthly water use data shall be submitted to the Commission; 4) each approval shall not constitute a determination of correlative water rights and shall not guarantee the pump capacity or future use up to the permitted pump capacity; 5) in the event the application is not completed correctly, any permit may be suspended until the item is brought in to compliance, and any work done while the permit is in suspension may result in fines of up to $1000/day.

Well Owner
HSCA
Signature
Date

Landowner
HSCA
Signature
Date

Contractor
NA
Signature
Date

Aquifer System No.

State Well No.

WCPFPA Form 42903
10. PROPOSED WELL SECTION (Please attach schematic if different from diagram provided below)

Hole Diameter: ________ in.

Elevation at top of casing ________ ft., msl

Minimum of 2' Radius & 4' Thick Concrete Pad (to contain benchmark surveyed to nearest 0.01 ft.)

Ground Elevation: ________ ft., msl

Solid Casing: (x: 90% x (Ground Elev. - Water Level Elev))

Total Length: ________ ft.

Nominal Diameter: ________ in.

Wall Thickness: ________ in.

Bottom Elevation: ________ ft., msl

Open Casing: □ Perforated □ Screen

Total Length: ________ ft.

Nominal Diameter: ________ in.

Wall Thickness: ________ in.

Bottom Elevation: ________ ft., msl

Open Hole:

Length: ________ ft.

Diameter: ________ in.

Bottom Elevation: ________ ft., msl

* The approximate elevation must be referenced to mean sea level (msl) at the time of application filing. Final elevations of well components shall be submitted in the Well Completion/Well Abandonment reports and referenced to a benchmark which has been established by a surveyor licensed by the State.

For non-salt water Basalt Wells - bottom elevation of well should not be deeper than 1/4 of aquifer thickness or,

Bottom Elevation of Well Limit = (Water Elevation - 0.25 x Aquifer Thickness) / 4

Example: Estimated = 2 ft. Water Level Elev. → Bottom Elevation of Well Limit = (2 - 0.25 x 2) / 4 = 1.5 ft.

Solid Casing Material:

Carbon Steel compliant with (check one or more): □ ANSI/AWWA C200 □ API Spec. 5L □ ASTM A53 □ ASTM A139

And compliant with (check one or more): □ ASTM A370 □ Type E □ Type S □ Grade B □ Other

Stainless Steel: (check one): □ ASTM A312 (production wells) □ ASTM A312 (monitor wells)

ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one): □ Schedule 40 □ Schedule 80

PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one): □ Schedule 40 □ Schedule 80 □ Schedule 120

Thermoplastic: (check one): □ Thermoplastic WELL PUMPING Pipe conforming to ASTM D2996 □ Centrifugally Cast Resin Pipe conforming to ASTM D2997 □ Reinforced Polyethylene Pipe conforming to ASTM D3517 □ Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C900 □ PTFE Fluorocarbon Tubing conforming to ASTM D3296 □ FEP Fluorocarbon Tubing conforming to ASTM D3296

Open Casing Material:

Carbon Steel compliant with (check one or more): □ ANSI/AWWA C200 □ API Spec. 5L □ ASTM A53 □ ASTM A139

And compliant with (check one or more): □ ASTM A370 □ Type E □ Type S □ Grade B □ Other

Stainless Steel: (check one): □ ASTM A312 (production wells) □ ASTM A312 (monitor wells)

ABS Plastic conforming to ASTM F480 and ASTM D1527: (check one): □ Schedule 40 □ Schedule 80

PVC Plastic conforming to ASTM F480 and (ASTM D1785 or ASTM D2241): (check one): □ Schedule 40 □ Schedule 80 □ Schedule 120

Thermoplastic: (check one): □ Thermoplastic WELL PUMPING Pipe conforming to ASTM D2996 □ Centrifugally Cast Resin Pipe conforming to ASTM D2997 □ Reinforced Polyethylene Pipe conforming to ASTM D3517 □ Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C900 □ PTFE Fluorocarbon Tubing conforming to ASTM D3296 □ FEP Fluorocarbon Tubing conforming to ASTM D3296

NOT APPLICABLE
Item 7 - Proposed Amount of Withdrawal - Since the pump being purchased will not be placed in service until it is needed; we have estimated the amount of withdrawal.

Item 9 - Remarks, Explanation - Our existing private water system has served Hawaiian Shores Recreational Estates for the past 30 years. We have used a 40 HP pump and have a 100,000 gallon Storage Tank.

A spare pump has always been available to keep down time to a minimum for our residents when the pump in use becomes inoperable.

At the present time, we need to purchase a spare now and would like to upgrade to a 75 HP pump with your permission. Our storage capacity will not change for the present.

Your consideration and approval is respectfully requested.

MAHALO
July 1, 2003

HAWAI’I HISTORIC PRESERVATION DIVISION REVIEW

Applicant/Agency: Hawaiian Shores Community Association
Address: 15-2793 Honu Street, Pahoa, Hawaii 96778
Project: Purchase of Standby Pump for Existing Waterwell
Location: Waikaihuila, Puna, Hawaii Island
Tax Map Key: (3) 1-5-101:009

1. We believe there are no historic properties present:
   a. intensive cultivation has altered the land
   b. residential development/urbanization has altered the land
   c. previous grubbing/grading has altered the land
   d. an acceptable archaeological assessment or inventory survey found no historic properties
   e. other Proposal is for an existing well

2. This project has already gone through the historic preservation review process.
   a. mitigation has been completed
   b. other:

   Thus, we believe that “no historic properties will be affected” by this undertaking.

Signed MaryAnne B. Maigret, Assistant Archaeologist
Historic Preservation Division, Hawai'i Island

Date 7-1-2003
APPLICATION FOR PERMIT

**APPLICANT INFORMATION:** (Fill out all three, if applicable, and please check next to the primary contact)

1. (a) **WELL OWNER:** Hawaiian Shores Contact Person: Pam Gibson Phone: 808-965-8140
   
   - **Address:** 15-2793 Honu St Pahoa, HI 96778-8140
   - **Fax:** 808-965-0802
   - **E-mail:** hsca@bigisland.com

2. **LAND OWNER:** same Contact Person: same Phone: same
   
   - **Address:** same
   - **Fax:** same
   - **E-mail:** same

3. **CONTRACTOR:** not at present
   
   - **Address:**
   - **Fax:**
   - **E-mail:**

**WELL & PUMP INFORMATION:** (Please fill in the diagram on the back of this form.)

2. **WELL NAME:** Hawaiian Shores Island: Hawaii
   
   - **Address:** 15-2793 Honu St Pahoa
   - **Tax Map Key:** 1 5 101 009
   
   - **Attach:** (a) portion of a 7.5-Minute Series USGS topographic map (scale 1:24,000) with well location labeled and include the name of the quad map
   - **(b) a property tax map, showing well location referenced to established property boundaries**

3. **PROPOSED WORK:**
   
   - **(check all that apply)**
   - (State Well No.: 3185-02 (If unknown, please call Commission at 587-0225))

4. **CONSTRUCTION:**
   
   - **(check all that apply)**
   - **Is this well part of a battery of wells?** No (Please describe):

5. **PROPOSED PUMPING RATE:**
   
   - **400-450** gallons per minute

6. **PROPOSED USE:**
   
   - **(check all that apply)**
   - **Other:** Other (please explain)

7. **PROPOSED AMOUNT OF WITHDRAWAL:** 160,000 gallons per day

8. **METHOD OF FLOW MEASUREMENT:**
   
   - **(check all that apply)**
   - **Other:** Other (please explain)

**OTHER IMPORTANT INFORMATION:**

8. **LEGAL REQUIREMENTS:**
   
   - **If required, these permits must be obtained before the Commission can legally issue a permit.**
   
   - **Conservation District Use Permit (CDUP):** To find out if a CDUP is necessary, call DLNR Land Division at 587-0414
   - **Not Required**
   - **If required, date approved**

   - **Environmental Impact Statement (EIS) or Environmental Assessment (EA):** To determine if an EIS or EA is necessary, call OEQC at 588-4185
   - **Not Required**
   - **If required, date published in OEQC bulletin**

   - **Special Management Area Permit (SMAP):** To determine if an SMAP is necessary: on Oahu, call 527-3374; on Kauai, call 961-5236; for Maui county, call 270-7236; on Kauai, call 241-6977.

9. **REMARKS, EXPLANATIONS:**
   
   - **(If more space is needed, please attach additional sheet)**
   - **see attachment**

**Official Use Only:**

**RECEIVED**

**[Signature]**

**[Date]**

**[Signature]**

**[Date]**

**[Signature]**

**[Date]**

---

For official use only

**Latitude**

**Longitude**

**Aquifer System No.**

**State Well No.**

---

**WCPAP Form 42903**
10. PROPOSED WELL SECTION (Please attach schematic if different from diagram provided below)

Hole Diameter: ______ in.

Cement Grout: ft. (min. 70% of distance from ground elevation to top of water surface or 800 ft. whichever is less.)

Annular space between hole and casing (min. 3"):

Rock or Gravel Packing:

Material:
- Crushed Basalt
- Rounded Gravel

Estimated Water Level:

Elevation: ft. msl

Solid Casing Material:
- Carbon Steel compliant with (check one or more): □ ANSI/AWWA C200 □ API Spec. 5L □ ASTM A53 □ ASTM A139
- And compliant with (check one or more): □ ASTM A242 □ Type E □ Type S □ Grade B □ Other
- Stainless Steel: (check one): □ ASTM A406 (production well) □ ASTM A312 (monitor wells)
- ABS Plastic conforming to ASTM F460 and ASTM D1527: (check one): □ Schedule 40 □ Schedule 80
- PVC Plastic conforming to ASTM F490 and (ASTM D1786 or ASTM D2241): (check one): □ Schedule 40 □ Schedule 80 □ Schedule 120
- Thermoplastic: (check one):
  - □ Filament Wound Resin Pipe conforming to ASTM D2998
  - □ Centrally Cast Resin Pipe conforming to ASTM D2997
  - □ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D2917
  - □ Glass Fiber Reinforced Resin Pipe conforming to AWWA C900
  - □ PTFE Fluorocarbon Tubing conforming to ASTM D3795
  - □ FEP Fluorocarbon Tubing conforming to ASTM D3298

Open Casing Material:
- Carbon Steel compliant with (check one or more): □ ANSI/AWWA C200 □ API Spec. 5L □ ASTM A53 □ ASTM A139
- And compliant with (check one or more): □ ASTM A242 □ Type E □ Type S □ Grade B □ Other
- Stainless Steel: (check one): □ ASTM A406 (production well) □ ASTM A312 (monitor wells)
- ABS Plastic conforming to ASTM F460 and ASTM D1527: (check one): □ Schedule 40 □ Schedule 80
- PVC Plastic conforming to ASTM F490 and (ASTM D1786 or ASTM D2241): (check one): □ Schedule 40 □ Schedule 80 □ Schedule 120
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  - □ Glass Fiber Reinforced Resin Pipe conforming to AWWA C900
  - □ PTFE Fluorocarbon Tubing conforming to ASTM D3795
  - □ FEP Fluorocarbon Tubing conforming to ASTM D3298
Item 7 - Proposed Amount of Withdrawal - Since the pump being purchased will not be placed in service until it is needed; we have estimated the amount of withdrawal.

Item 9 - Remarks, Explanation - Our existing private water system has served Hawaiian Shores Recreational Estates for the past 30 years. We have used a 40 HP pump and have a 100,000 gallon Storage Tank.

A spare pump has always been available to keep down time to a minimum for our residents when the pump in use becomes inoperable.

At the present time, we need to purchase a spare now and would like to upgrade to a 75 HP pump with your permission. Our storage capacity will not change for the present.

Your consideration and approval is respectfully requested.

MAHALO
July 1, 2003

HAWAII HISTORIC PRESERVATION DIVISION REVIEW

Applicant/Agency: Hawaiian Shores Community Association
Address: 15-2793 Honu Street, Pahoa, Hawaii 96778
Project: Purchase of Standby Pump for Existing Waterwell
Location: Waikahiula, Puna, Hawaii Island
Tax Map Key: (3) 1-5-101:009

1. We believe there are no historic properties present:

   a. intensive cultivation has altered the land
   b. residential development/urbanization has altered the land
   c. previous grubbing/grading has altered the land
   d. an acceptable archaeological assessment or inventory survey found no historic properties
   e. other Proposal is for an existing well

2. This project has already gone through the historic preservation review process.

   a. mitigation has been completed
   b. other:

   x Thus, we believe that “no historic properties will be affected” by this undertaking.

Signed __________________________ Date 7-1-2003

MaryAnne B. Maigret, Assistant Archaeologist
Historic Preservation Division, Hawaii’i Island
WELL NAME: Hawaiian Shores
Island: Hawaii
Address: 15-2793 Honu St Pahoa
Tax Map Key: 1 5 101 009

PROPOSED WORK:
- Construct New Well
- Install New Pump
- Modify Existing Well
- Modify Pump
- Abandon/Seal

PROPOSED PUMPING RATE: 400-450 gallons per minute

PROPOSED USE:
- Municipal (including hotels, stores, etc.)
- Industrial
- Domestic (individual, noncommercial water system)

METHOD OF FLOW MEASUREMENT:
- Flowmeter
- Open pipe
- Well
- Office

OTHER IMPORTANT INFORMATION:
8. LEGAL REQUIREMENTS: If required, these permits must be obtained before the Commission can legally issue a permit.
- Conservation District Use Permit (CDUP): To find out if a CDUP is necessary, call DLNR Land Division at 587-0414.
- Environmental Impact Statement (EIS) or Environmental Assessment (EA): To determine if an EIS or EA is necessary, call OEC at 586-4185.
- Special Management Area Permit (SMAP): To determine if an SMAP is necessary: on Oahu, call 527-5374; on Kauai, 681-6238; for Maui County, call 270-7236; on Molokai, 301-1277.
- Xperia
- Yes
- No

OTHER IMPORTANT INFORMATION:
9. REMARKS, EXPLANATIONS:

NOTE: Signing below indicates the signatures understand and agree that the information provided on this application is accurate and true to the best of their knowledge. Further, the signatures understand that approval of this application attaches the following standard conditions: 1) the proposed work is to be completed within 60 days of the approval date; 2) the contractor shall submit to the Commission a well completion/abandonment report within 60 days after the completion date of the permitted work; 3) monthly water use data shall be submitted to the Commission; 4) such approval shall constitute a determination of correctable water rights and shall not guarantee the pump capacity or future use up to the permitted pump capacity; 5) in the event that the application is not completed correctly, any permit may be suspended until the item is brought into compliance, and any work done while the permit is in suspension may result in fines of up to $1,000 per day.

Well Owner: HSMA
Landowner: HSMA
Contractor: NA

Signature: [Signature]
Signature: [Signature]
Signature: [Signature]

Date: 3-11-07
Date: 3-12-07
Date: 3-12-07

For official use only

Latitude
Longitude
State Well No.

[Additional comments and signatures]
10. PROPOSED WELL SECTION (Please attach schematic if different from diagram provided below)

**Solid Casing Material:**

- Carbon Steel: compliant with (check one or more): □ ANSI/AWWA C200 □ API Spec. 5L □ ASTM A53 □ ASTM A139
- Stainless Steel: (check one): □ ASTM A242 □ Type E □ Type S □ Grade B □ Other
- ABS Plastic conforming to ASTM F480 and ASTM D1627: (check one): □ Schedule 40 □ Schedule 80
- PVC Plastic conforming to ASTM F490 and (ASTM D1785 or ASTM D2241): (check one): □ Schedule 40 □ Schedule 80 □ Schedule 120
- Thermoset Plastic: (check one): □ Filament Wound Resin Pipe conforming to ASTM D2998
  □ Catenulary Cast Resin Pipe conforming to ASTM D2997
  □ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3917
  □ Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C960
  □ PTFE Fluorocarbon Tubing conforming to ASTM D3296
  □ FEP Fluorocarbon Tubing conforming to ASTM D3296

**Open Casing Material:**

- Carbon Steel: compliant with (check one or more): □ ANSI/AWWA C200 □ API Spec. 5L □ ASTM A53 □ ASTM A139
- Stainless Steel: (check one): □ ASTM A242 □ Type E □ Type S □ Grade B □ Other
- ABS Plastic conforming to ASTM F480 and ASTM D1627: (check one): □ Schedule 40 □ Schedule 80
- PVC Plastic conforming to ASTM F490 and (ASTM D1785 or ASTM D2241): (check one): □ Schedule 40 □ Schedule 80 □ Schedule 120
- Thermoset Plastic: (check one): □ Filament Wound Resin Pipe conforming to ASTM D2998
  □ Catenulary Cast Resin Pipe conforming to ASTM D2997
  □ Reinforced Plastic Mortar Pressure Pipe conforming to ASTM D3917
  □ Glass Fiber Reinforced Resin Pressure Pipe conforming to AWWA C960
  □ PTFE Fluorocarbon Tubing conforming to ASTM D3296
  □ FEP Fluorocarbon Tubing conforming to ASTM D3296

*The approximate elevation must be referenced to mean sea level (msl) at the time of application filing. Final elevations of well components shall be submitted in the Well Completion/Well Abandonment reports and referenced to a benchmark which has been established by a surveyor licensed by the State.*

For non-salt water Bore Wells - bottom elevation of well should not be deeper than 1/4 of aquifer thickness or,

\[
\text{Bottom Elevation of Well Limit} = \left(\text{Water Level} + \frac{4}{4}\right) - 1.5 \text{ ft.}
\]

Example: Estimated = 2 ft. Water Level Elev. → Bottom Elevation of Well Limit = (2 + 4) - 1.5 = 4.5 ft.

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**NOT APPLICABLE**
Item 7 - Proposed Amount of Withdrawal - Since the pump being purchased will not be placed in service until it is needed; we have estimated the amount of withdrawal.

Item 9 - Remarks, Explanation - Our existing private water system has served Hawaiian Shores Recreational Estates for the past 30 years. We have used a 40 HP pump and have a 100,000 gallon Storage Tank.

A spare pump has always been available to keep down time to a minimum for our residents when the pump in use becomes inoperable.

At the present time, we need to purchase a spare now and would like to upgrade to a 75 HP pump with your permission. Our storage capacity will not change for the present.

Your consideration and approval is respectfully requested.

MAHALO
July 1, 2003

HAWAII HISTORIC PRESERVATION DIVISION REVIEW


Applicant/Agency: Hawaiian Shores Community Association
Address: 15-2793 Honu Street, Pahoa, Hawaii 96778
Project: Purchase of Standby Pump for Existing Waterwell
Location: Waikahiu, Puna, Hawaii Island
Tax Map Key: (3) 1-5-101:006

1. We believe there are no historic properties present:
   - a. intensive cultivation has altered the land
   - b. residential development/urbanization has altered the land
   - c. previous grubbing/grading has altered the land
   - d. an acceptable archaeological assessment or inventory survey found no historic properties
   - x e. other Proposal is for an existing well

2. This project has already gone through the historic preservation review process.
   - a. mitigation has been completed
   - b. other:

   x Thus, we believe that “no historic properties will be affected” by this undertaking.

Signed
MaryAnne B. Maigret, Assistant Archaeologist
Historic Preservation Division, Hawaii Island