

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 98-7816

Exam Date: 06/18/2004

1. Current Owner:
DEEP CREEK PROPERTY OWNERS ASSN PO BOX 1011 BONNERS FERRY ID 83805
2. Accompanied by: Robert Hansen
Phone No: 208-265-4270
Address: 67 Wild Horse Trail, Sandpoint ID 83864-8701
Relationship to permit Holder: Representative, Water System Operator.

3. SOURCE:
GROUND WATER

Method of Determination: Arcmap and DRG.

B. OVERLAP REVIEW

1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
98-4008	DEEP CREEK	IRRIGATION	STATUTORY CLAIM
98-4214	SPRING	DOMESTIC	STATUTORY CLAIM
98-4215	DEEP CREEK	IRRIGATION	STATUTORY CLAIM
98-7045	SPRING	DOMESTIC	LICENSE
98-4032	RUBY CREEK	IRRIGATION	STATUTORY CLAIM
98-7482	GROUNDWATER	DOMESTIC	LICENSE
98-7483	DEEP CREEK	IRRIGATION	LICENSE

Comments: Rights 98-4008, 98-4215, 98-4032, and 98-7483 all overlap this rights POU and supply the irrigation rights for this applicant; this right (98-7816) is for municipal, and the volume applied is for in home use within the POU, thus negating cause for overlap concern regarding the afore mentioned irrigation rights. Right 98-4215 is a domestic statutory claim right in the same 40 acre tract as this right's POU, but review of back file does I can't verify that is in the same POU. Rights 98-7045 and 98-7482 are for domestic use within the same POU, and condition X35 has been applied to license to mitigate overlap concerns for this right.

2. Other water rights with the same point-of-diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: _____

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER L3 (NW¼ SW¼), Sec. 19, Twp 61N, Rge 01E, B.M. . BOUNDARY County

Method of Determination: GPS. POD is a well located at -116° 23.636, 48° 37.307; permit No. 98-90-N-3.

PLACE OF USE: MUNICIPAL

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
61N	01E	19							X L2										
61N	01W	24													X				

Method of Determination: Field exam and Arcmap.

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.

X Indicate weir size/pipe as applicable.

Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be

X 1:24,000 or greater.

X Aerial Photo Attached (required for irrigation of 10+ acres).

X Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
98-90-N-03	FRANKLIN	5			

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
FLOWMETER						

2. Measurements: Initial field exam conducted by Department staff on 7/20/2004 utilized a flowmeter to perform flow measurements. Referencing this right's back file beneficial use exam field notes, Wayne Baldwin derived a flow rate of **0.1 cfs**.

E. FLOW CALCULATIONS

Measured Method: 7/20/2004 Department Flowmeter = **0.1 cfs**

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation: N/A

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$$

2. Volume Calculations for Other Uses:

$$\text{MUNICIPAL ANNUAL VOLUME} = 22 \text{ Service connections at time of statement of completion} \times 0.6 \text{ af} = \mathbf{13.2 \text{ af}}$$

G. NARRATIVE/REMARKS/COMMENTS

Admin note: initial field exam was performed by department staff on 7/20/2004; there was a substantial time gap between these actions and current follow-on field exam performed in order to finalize this right.

Field exam performed on 8/4/2020 with the applicant's representative, Mr. Robert Hansen, showed a well using groundwater for municipal purposes for the Deep Creek Property Owners Assn. The water conveyance system incorporated a well with 5hp pump diverting water to a 3,000 gallon storage cistern and three 120 gallon pressure tanks. Referencing field notes from the departments 7/20/2004 field exam, flowmeter measurements derived a diversion rate of **0.10 cfs**, which will be carried forward to license as the beneficial use component diversion rate and the license maximum diversion rate.

During a follow-on field exam conducted on 8/4/2020, it was identified that the Deep Creek Property Owners Assn water system provides services to 27 homes, which include 25 home/RV connections and a closed bar/restaurant that still services 2 apartments. Annual volume computations were determined using the number of service connections from applicant's historic usage from the development period leading up to the statement of completion form filed by applicant on 10/22/2003. At that time, applicant stated there were 22 domestic households service connected to the water system. Arcmap aerial imagery year 2004 clearly identifies 22 mobile homes within the POU. As such, the annual volume is derived to equal 22 households x 0.6 af = **13.2 af**, which will be applied as both the annual volume and maximum diversion volume for this right. Irrigation volume was not integrated when determining the municipal volume, as there are pre-existing irrigation rights that service the Deep Creek Property Owners Assn POU, and applicant stated that water from Deep Creek was used for irrigation within the POU during the development stage of permit, while conducting the field exam on 8/4/2020.

Condition 046 was removed from permit during licensing review. Condition 128 was updated to reflect the correct POU for Deep Creek Property Owners Assn. Condition 180 was added identifying the map illustrating the service area for this water right is attached. Condition X35 was added in order to mitigate overlap concerns between rights 98-7045, 98-7482, and 98-7816 limiting the three rights to a combined annual maximum diversion volume of 13.2 af.

Rights 98-4008, 98-4215, 98-4032, and 98-7483 overlap this right's POU and are associated with the irrigation for this applicant; 98-7816 is a municipal right, and the volume applied to this right is for in home use within the POU, thus negating cause for overlap concern regarding the afore mentioned irrigation rights. Right 98-4215 is a domestic statutory claim right in the same 40 acre tract as this right's POU, but review of back file does not allow me to verify the POU, and whether it is within the same POU for this right. Rights 98-7045 and 98-7482 are for domestic use within the same POU, and condition X35 has been applied to license to mitigate overlap concerns for this right. There are no other concerns of overlap for this right.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Annual Volume</u>
MUNICIPAL	01/01 to 12/31	0.10 CFS	13.2 AF
<u>Totals:</u>		0.10 CFS	13.2 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ None

I. AUTHENTICATION Luke Bates - Water Resource Agent

Field Examiner's Name L. Bates Date 9/4/2020

Reviewer Adrian F... Date 9/15/2020

MEMORANDUM

To: Water Right Permit 98-7816

From: Luke Bates 

Date: 8/31/2020

Re: Permit for licensing to Appropriate Water within the State of Idaho.

An application for permit was received for municipal use in the name of Deep Creek Property Owners Assn. The application was permit approved on 11/21/2002 with a POU service area shapefile that showed a 40 acre tract in the SWNW government lot 2, Section 19, T61N, R1E.

During a second field exam conducted on 8/4/2020, Department staff identified the permitted POU did not encompass the water systems POU, and the shape file assigned to the permit was north one complete 40 acre tract from the physical water association's use.

During licensing review Department staff reached out to Mr. Robert Hansen, the applicant's representative and water system operator, to clarify right 98-7816's service area POU. A sketch map of field exam findings was provided with request from Department staff for Mr. Hansen to validate the updated/correct POU for right 98-7816. Email correspondence dated 8/31/2020 from Mr. Hansen verified that the updated service area map was accurate. The applicant's POU is generally located within SWNW government lot 3, Section 19, T61N, R1E and NESE, Section 24, T61N, R1W. The updated map product will be carried forward to license.

Bates, Luke

From: Robert Hansen <wsmibob@aol.com>
Sent: Monday, August 31, 2020 2:29 PM
To: Bates, Luke
Subject: Re: 98-7816 Deep Creek Service Area

Luke,

Yes, the "proposed" updated service area map looks to be spot on.

Thank you for working with us on getting through this process and please let me know if you require additional information
- You have really gone above and beyond!

Bob Hansen
Water Systems Management
208-265-4270

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

From: Bates, Luke <Luke.Bates@idwr.idaho.gov>
To: Robert Hansen <wsmibob@aol.com>
Sent: Mon, Aug 31, 2020 2:08 pm
Subject: 98-7816 Deep Creek Service Area

Afternoon Mr. Hansen,

I am working on the Deep Creek Property Owner's Assn., and from the field exam conducted on 8/4/2020 I have identified that the service area map is not accurate for the water system service area.

I've enclosed a copy of the permit map, which identifies a 40 acre tract not associated with the Deep Creek Property Owner's Assn. area. I have also attached a "proposed" updated service area map developed from my field exam notes. Unlike a regular domestic right, as a municipal component the applicant can update their service area without an amendment required. That is good news as there is no fee accompanying the change in map product.

As the water system operator representative, can you validate this new service area and/or obtain validation from the property owner's assn? If so, I can easily finalize this license.

v/r,

Luke Bates
Water Resource Agent
Idaho Dept. of Water Resources
Northern Regional Office
P: (208) 762-2800
F: (208) 762-2819
Luke.bates@idwr.idaho.gov

State of Idaho
Department of Water Resources
Attachment to Field Exam
98-7816

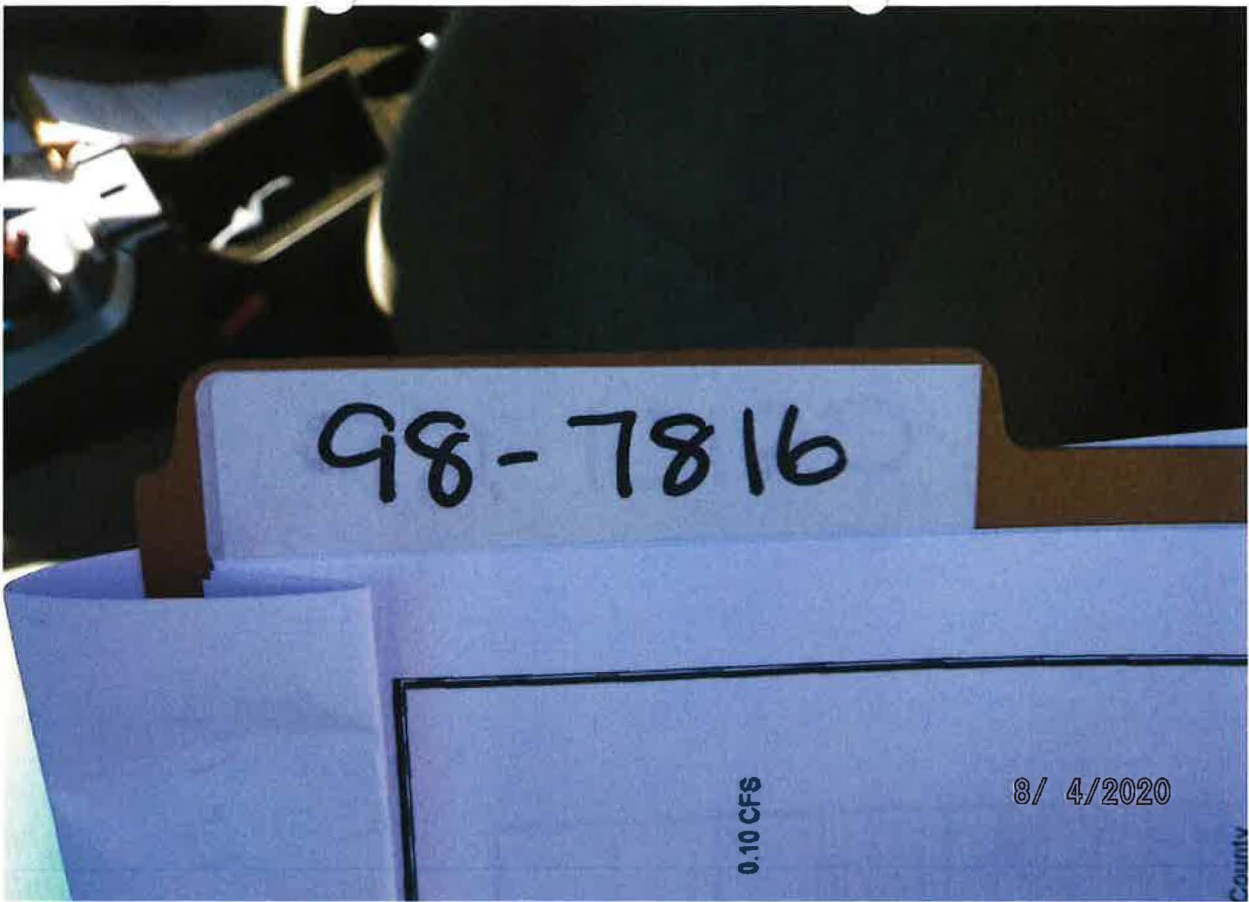
MUNICIPAL system diagram.



- 01W 01E
- Point of Diversion
 - Water Service Area Boundary
 - Townships
 - PLS Sections
 - Quarter Quarters

0 0.0475 0.095 0.19 Miles





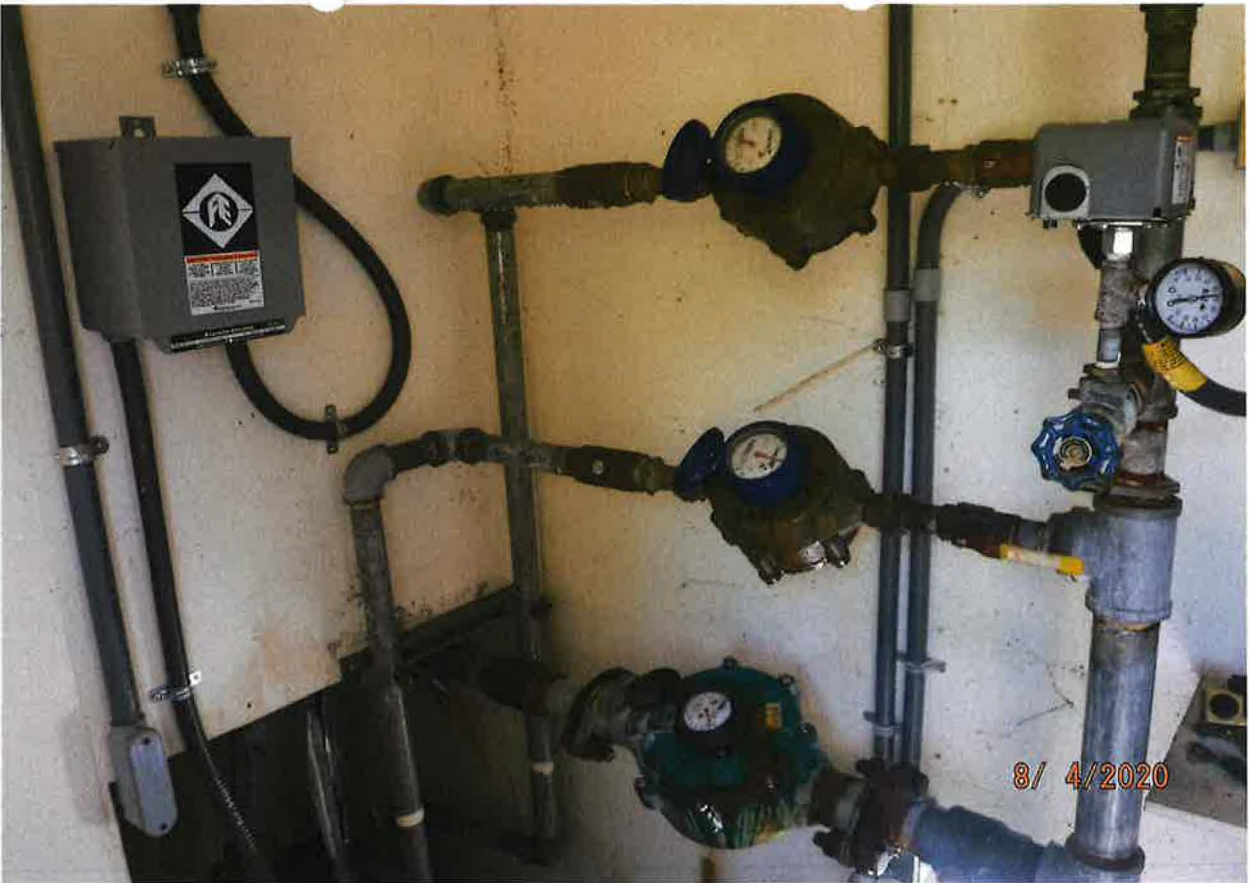
POD – WELL WITHOUT TAG



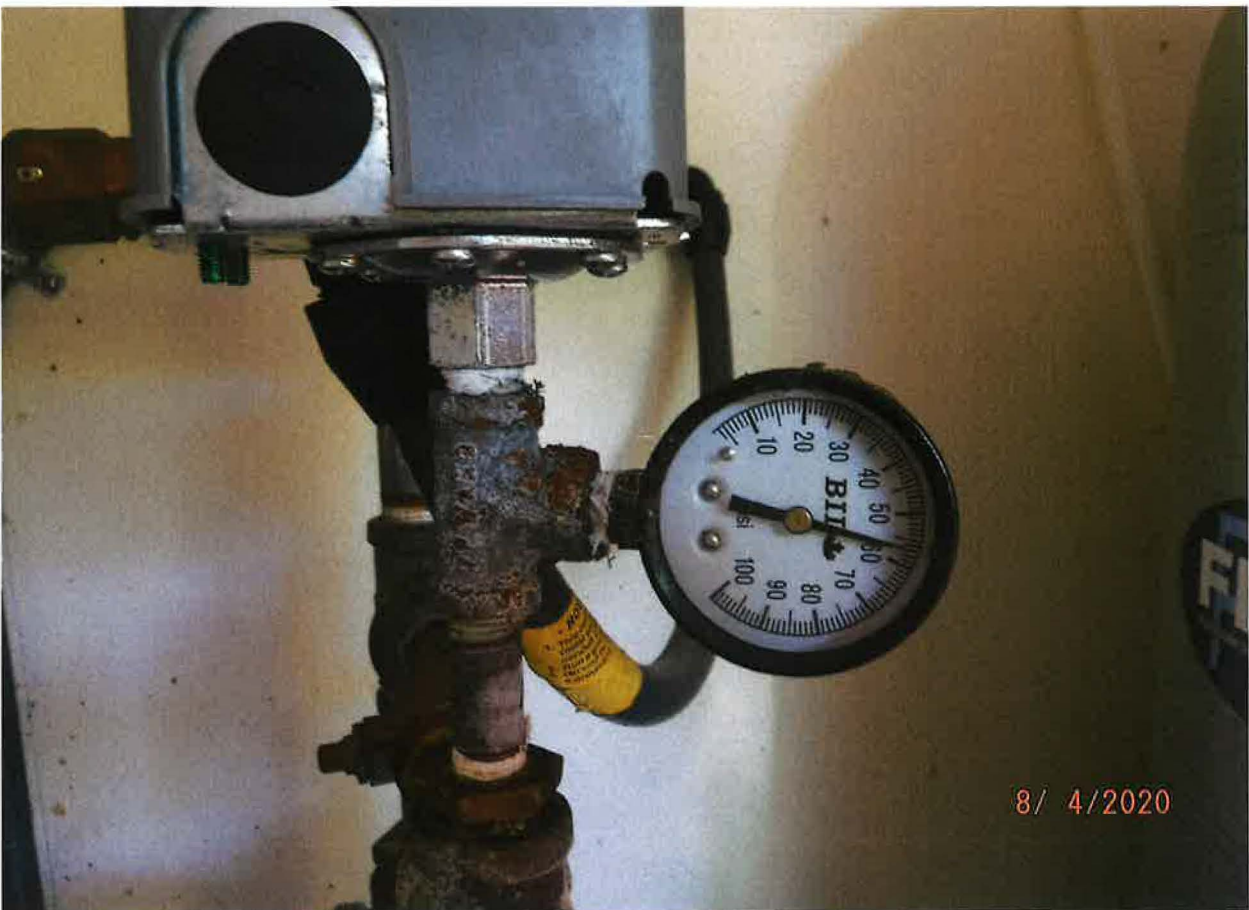
SYSTEM PUMP HOUSE



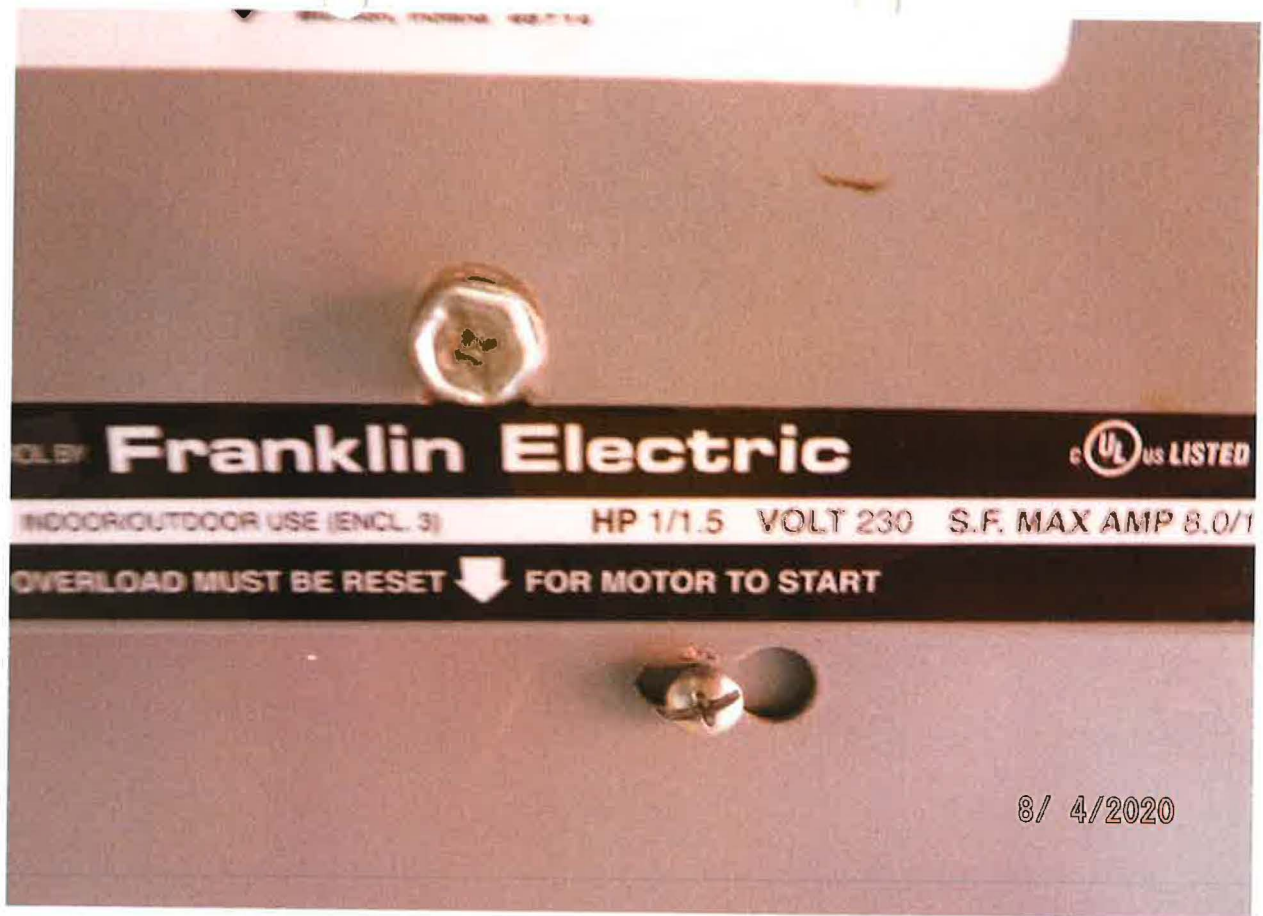
3EA 120 GAL PRESSURE TANKS & 3,000 GAL VAULTED STORAGE CISTERN



WATER CONVEYANCE SYSTEM



55 TO 60 PSI OPERATING PRESSURE



1 ½ HP WELL PUMP



MUNICIPAL POU



MUNICIPAL POU





MUNICIPAL POU





MUICIPAL POU





MUNICIPAL POU





MUNICIPAL POU

