

Bates, Luke

From: Bates, Luke
Sent: Monday, May 6, 2024 10:35 AM
To: Stephen Nielsen
Subject: Permit 95-17667 Change of Ownership requirement
Attachments: 0. notice-of-change-of-water-right-ownership.pdf

Mr. Stephen Nielsen,

As I finalize my beneficial use report following my recent field exam performed on 4/16/2024, I note the property ownership designated with Kootenai County is under the name SPN ENTERPRISES, LLC.

Permit 95-17667 designates ownership in the name(s) of Stephen Nielsen and/or Jonathan Nielsen, PO BOX 1381, Hayden ID 83835.

A Notice of Change in Water Right Ownership is required to transition ownership from yourself and Jonathan Nielsen to the limited liability Corporation you are registered as the current Manager of as documented with Idaho's Secretary of State Office.

I have included a fillable PDF Change of Ownership Form 42-248/42-1409(6) Rev. 6/22 which you may use to fill out and submit back to IDWR. Please note there is a \$25.00 fee requirement payable to IDWR at time of form submission.

Please let me know if you've any questions related to this process.

Thank you,

Luke Bates

Sr. Water Resource Agent

Northern Region

P: 208-762-2817



IDAHO DEPARTMENT OF
WATER RESOURCES

7600 N. Mineral Dr., Suite 100
Coeur D'Alene, ID 83815-7763



0005572123



STATE OF IDAHO
Office of the secretary of state, Phil McGrane
REINSTATEMENT ANNUAL REPORT

Idaho Secretary of State
PO Box 83720
Boise, ID 83720-0080
(208) 334-2301
Filing Fee: \$30.00

For Office Use Only

-FILED-

File #: 0005572123

Date Filed: 1/26/2024 10:40:18 AM

Reinstatement Annual Report Form								
Select one: Standard, Expedited or Same Day Service (see descriptions below)	Same Day Service (+\$100; filing fee \$130)							
Current Entity Name	SPN Enterprises LLC							
The file number of this entity on the records of the Idaho Secretary of State is:	0004611885							
Organized under the laws of:	IDAHO							
Entity Type:	Limited Liability Company (D)							
Entity Subtype:								
Limited Liability Company Subtype	Limited Liability Company							
Limited Liability Company Name:								
Limited Liability Company name	SPN Enterprises LLC							
The registered agent on record is:								
Registered Agent	Stephen P Nielsen Registered Agent Physical Address 1215 E HANLEY AVENUE DALTON GARDENS, ID 83816 Mailing Address PO BOX 1381 HAYDEN, ID 83835-1381							
The new physical (street) address of the agent in Idaho is:								
Physical Address	2088 EAST HANLEY AVE DALTON GARDENS, ID 83815							
The new mailing address of the agent in Idaho is:								
Mailing Address	PO BOX 1381 HAYDEN, ID 83835-1381							
The mailing address of the entity is:								
STEPHEN NIELSEN PO BOX 1381 HAYDEN, ID 83835-1381								
The physical address of the entity is:								
STEPHEN NIELSEN 2088 E HANLEY AVE DALTON GARDENS, ID 83815-9531								
Limited Liability Company Managers and Members								
<table><thead><tr><th>Name</th><th>Title</th><th>Address</th></tr></thead><tbody><tr><td>+ STEPHEN NIELSEN</td><td>Manager</td><td>PO BOX 1381 HAYDEN, ID 83835</td></tr></tbody></table>			Name	Title	Address	+ STEPHEN NIELSEN	Manager	PO BOX 1381 HAYDEN, ID 83835
Name	Title	Address						
+ STEPHEN NIELSEN	Manager	PO BOX 1381 HAYDEN, ID 83835						
The Application for Reinstatement must be signed by a governor.								
Title:	STEPHEN NIELSEN							

B0875-9826 01/26/2024 10:40 AM Received by Office of the Idaho Secretary of State



STEPHEN NIELSEN

01/26/2024

Sign Here

Date

Bates, Luke

From: Stephen Nielsen <stephennielsen84@gmail.com>
Sent: Saturday, May 4, 2024 11:51 AM
To: Bates, Luke
Subject: Re: IDWR beneficial use exam for 95-17667

CAUTION: This email originated outside the State of Idaho network. Verify links and attachments BEFORE you click or open, even if you recognize and/or trust the sender. Contact your agency service desk with any concerns.

I'm emailing over the info from inland pump. Bruce said if you need anything else or have any questions feel free to contact him

On Wed, Apr 17, 2024 at 9:18 AM Bates, Luke <Luke.Bates@idwr.idaho.gov> wrote:

Mr. Nielsen,

Good morning. I completed the beneficial use field exam yesterday unaccompanied with your access authority as discussed by phone.

I had a couple follow up questions about the water system that will most easily be answered if you're able to email me invoice information that illustrates by line item the pump(s) installed on your system. The install company should have copies of these available if you don't have them readily accessible.

- I understand the fire pump is a 75 hp vertical shaft pump, but what is unclear is the make/model/HP of the well pump installed?
- Additionally, is there a 2nd pump located in the wet well (inside the pump station), that activates to perform the irrigation or is the well pump the only other one on the system?
- What is the name of the company that installed the water system? I note Horsley Drilling constructed the well, but often they are not the ones who follow up with installing the diverting works system.

Please do send me the requested invoice information at your earliest convenience, but no later than 5/17/2024. Once I have this information, I will be able to work toward finalizing the Permit for license approval recommendations.

Thank you Sir,

Luke Bates

Sr. Water Resource Agent

Northern Region

P: 208-762-2817



IDAHO DEPARTMENT OF
WATER RESOURCES

7600 N. Mineral Dr., Suite 100

Coeur D'Alene, ID 83815-7763

Bates, Luke

From: Stephen Nielsen <stephennielsen84@gmail.com>
Sent: Saturday, May 4, 2024 11:52 AM
To: Bates, Luke
Attachments: Inv_805_from_Inland_Pump_Co._LLC_9540.pdf

CAUTION: This email originated outside the State of Idaho network. Verify links and attachments BEFORE you click or open, even if you recognize and/or trust the sender. Contact your agency service desk with any concerns.

Inland Pump Co. LLC

P.O. Box 630

Rathdrum, Id. 83858

Ph # 208-687-5260

inlandpump5@yahoo.com

Invoice

Date	Invoice #
7/24/2019	805

Bill To
Inland RV & boat storage Stephen Nielsen stephennielsen84@gmail.com 208-755-6844

P.O. No.	Terms

Quantity	Description	Rate	Amount
1	5 HP Pentek motor 460V 3 Phase		
1	5 HP 20 GPM Berkeley pump end		
1	5 HP 460V motor starter		
440	2" galvanized pipe		
4	2" ductile iron VFD check valves		
446	#10-4 Flat subwire		
2	2" tape		
2	#10 splice kits		
1	S-20 pitless		
1	8" Baker well cap		
2	2 x 3 brass nipple		
2	2" brass 90		
1	2" ma poly packjoint		
20	2" 250 PSI poly pipe		
1	1500 GPM Flowise line shaft turbine pump		
1	75 HP 460V 3 PH US motor		
1	motor plate		
1	10" x 8" concentric flange reducer		
1	8" x 4" flange tee		
1	8" weight swing check valve		
1	8" x 2" spool		
1	8" - 4" gaskets and bolts		
1	Yaskawa 75 HP drive		
1	core machine rental and bits		
1	6" well casing		
16	Labor to install line shaft pump, install plumbing to the output, install new well pump and coring holes.		
6	Hoist Truck		
	Sales Tax		

Well Components

Fire Pump Components

Price Point
Columns
are not
applicable
to IDWR
Report
yBates
5/6/2024

A 3.6% fee will be added to all credit or debit card transactions.

Bates, Luke

From: Stephen Nielsen <stephennielsen84@gmail.com>
Sent: Saturday, May 4, 2024 11:52 AM
To: Bates, Luke
Attachments: Inv_863_from_Inland_Pump_Co._LLC_9540.pdf

CAUTION: This email originated outside the State of Idaho network. Verify links and attachments BEFORE you click or open, even if you recognize and/or trust the sender. Contact your agency service desk with any concerns.

Inland Pump Co. LLC

P.O. Box 630

Rathdrum, Id. 83858

Ph # 208-687-5260

inlandpump5@yahoo.com

Invoice

Date	Invoice #
9/30/2019	863

Bill To
Inland RV & boat storage Stephen Nielsen stephennielsen84@gmail.com 208-755-6844

P.O. No.	Terms	

Quantity	Description	Rate	Amount
1	6" steel weld on 90		
1	6" steel weld flange		
6	6" steel casing		
1	6 x 5 storz adapter		
1	5" storz cap		
1	2" galvanized union		
2	2" galvanized 90		
1	2" ma poly insert		
2	2 x 4 galvanized nipple		
1	2 x 18 galvanized nipple		
2	base flanges		
1	4" flanged tee		
1	6" flanged x 6" NPT flange		
1	4" x 2" flange		
1	8" x 1" saddle		
3	4" bolt kit		
1	3/4 HP Yaskawa drive 460V 3 PH		
1	sensor and shield cord		
1	6 x 1 1/4 Baker well cap		
1	tank tee assembly kit		
1	2 gallon Well-X-Trol pressure tank		
1	1 1/4 x 1 brass bushing		
1	1" pex ball valve		
1	1" poly x 1" pex adp.		
20	1 1/4 SCH 120 PVC drop pipe		
1	LDS-12 pitless		
20	#10-4 Flat subwire		
3	#10 splice kits		
10	2" PVC conduit		
90	1/0 copper wire		
30	#6 green copper wire		
30	#4 bare copper wire		

Price Point
Columns
are not
applicable
to IDWR
Report.
JBates
5/6/2024

A 3.6% fee will be added to all credit or debit card transactions.

Inland Pump Co. LLC

P.O. Box 630
Rathdrum, Id. 83858
Ph # 208-687-5260
inlandpump5@yahoo.com

Invoice

Date	Invoice #
9/30/2019	863

Bill To
Inland RV & boat storage Stephen Nielsen stephennielsen84@gmail.com 208-755-6844

P.O. No.	Terms	

Quantity	Description	Rate	Amount
8	copper lugs		
6	2" flex connectors		
3	insulated lugs for motor connection		
160	#12 THHN wire		
1	5 HP 460V control panel		
1	4 gallon Well-X-Trol pressure tank		
1	PID sensor		
1	PMU float		
1	PCNO float		
1	2" flanged air relief -max air-		
1	4" pressure relief valve		
1	3/4 HP 460V 3PH Pentek motor		
1	3/4 HP 15 GPM Berkeley pump		
1	4" flange x 4" NPT		
1	4" PVC MA		
2	4" PVC 90		
14	4" PVC pipe		
1	mis electrical		
1	mis plumbing		
1	electrical permit		
30	Labor		
	Sales Tax		

Transfer pump in
wet well for
Irrigation System

Price Point
Columns
are not
applicable
to IDWR
Report.
yBates
5/6/2024

A 3.6% fee will be added to all credit or debit card transactions.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-17667
Exam Date: 04/16/2024

1. Current Owner:
STEPHEN NIELSEN PO BOX 1381 HAYDEN ID 83835 AND/OR
JONATHAN NIELSEN PO BOX 1381 HAYDEN ID 83835
2. Accompanied by: Unaccompanied, authorized by Mr. Stephen Nielsen to access by gate code and pump station key.
Phone No: Mr. Stephen Nielsen – 208-755-6844
Address: Mr. Stephen Nielsen – same as above
Relationship to permit Holder: Mr. Stephen Nielsen – Permit holder
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
95-9944	Ground Water	Irrigation, Domestic, Stockwater	License

Comments: as licensed, 95-9944 had a POU which directly overlapped this Permit's POU; during the Coeur D'Alene Spokane River Basin Adjudication (CSRBA) process, 95-9944 was changed to Parent status and an approved transfer No. 78098 finalized in the recommendation and decree under Right 95-16464 (reference proof report 95-9944). The recommendation POU shape for 95-16464 doesn't overlap this Permit mitigating any overlap concerns between WRs.

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

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER SW¼ NW¼, Sec. 10, Twp 53N, Rge 03W, B.M. KOOTENAI County

Method of Determination: GPS. POD located at -116°41.7619, 47°57.3440; well D-TAG D0079451.

PLACE OF USE: IRRIGATION STORAGE, FIRE PROTECTION STORAGE and FIRE PROTECTION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
53N	03W	10							X										

PLACE OF USE: IRRIGATION FROM STORAGE

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
53N	03W	10							0.1										0.1

Total Acres: 0.1

Method of Determination: Beneficial use field exam

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 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
D0079451	PENTEK	5	UNKOWN	BERKELEY	UNKOWN

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
N/A						

2. Measurements: I was unable to perform flow measurements due to inadequate pipe requirements. Diverted water from the well routes in buried pipelines to a wet well (concrete ringed) vaulted in the floor of the co-located pump station. I utilized a Theoretic Pump Equation to derive the recommended maximum diversion rate of **0.07 cfs** using the well driller report and the applicant's pump installation invoice data.

E. FLOW CALCULATIONSX Additional Computation Sheets Attached

Measured Method: Theoretic Pump Equation developed calculating the 5 hp Pentek pump motor with matched Berkeley pump installed at a depth of 415 ft with 45 PSI operating pressure equals 29.9 gpm or 0.07 cfs considering department rounding standards.

Both the Diversion to Storage rate and Fire protection direct flow rate are equivalent, or **0.07 cfs**.

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

$$V_{I.R} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.1 \text{ ac} \times 3.0 \text{ afa} = 0.3 \text{ af}$$

$$V_{D.R} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \text{irrigation from storage, no diversion rate associated.}$$

$$V = \text{Smaller of } V_{I.R} \text{ and } V_{D.R} = \mathbf{0.3 \text{ af}}$$

2. Volume Calculations for Other Uses: this ground water source diverting system includes Fire Protection as a direct flow. As a result, there is no volumetric reporting designated on the face of the license for Maximum Diversion Volume. Each storage beneficial use component receives an annual volume which is described in detail in the conditions of approval, but no maximum diversion or total volume is being recommended for the license.

G. NARRATIVE/REMARKS/COMMENTS

I performed the field exam unaccompanied on 4/16/2024 with the applicant's representative, Stephen Nielsen authorizing gate/key access, which showed a groundwater well being used for diversion to storage, fire protection, fire protection storage, irrigation storage & irrigation from storage beneficial uses (BU). At the POD, GW well D0079451 routes a buried main service line to a co-located pump station before distribution to water uses. A concrete ring wet well positioned inside the pump station serves as the primary co-mingling temporary storage vessel for all water uses under the permit.

I was unable to perform flow measurements due to inadequate pipe requirements and I used a theoretic pump equation to derive the diversion rate of **0.07 cfs**, which is recommended as the maximum diversion rate for licensing purposes. I've reduced the fire protection diversion rate and diversion to storage diversion rate from 0.20 cfs to **0.07 cfs** respectively; the applicant is limited by the 5 hp well pump capacity determined at time of field exam. The pump station houses the following diverting work components:

- GW well: Berkeley/Pentek 5 Hp well pump/motor relay control panel. Well pump fills wet well and diverts to storage pond, fire prevention by hose bibs, and serves as the jockey pump for normal operations preventing the fire pump from activating until needed.
- 75 Hp U.S. Motors fire protection pump motor paired with 1,500-gpm Flowise shaft turbine pump and intakes from storage pond via the hydraulically connected wet well.
- ¾ Hp Berkeley/Pentek pump/motor utilized to operate the pressurized irrigation system.

Due to the fire protection BU not reporting volume, as detailed later in this report, there is no maximum diversion volume recommended for the face of the license.

Fire protection storage POU: The main well pump fills the wet well at a rate of 0.07 cfs & small storage pond co-located with the pump station. The 0.1-acre pond was constructed with an impermeable liner, has a maximum depth of 10 feet, average depth of 4 feet, pond capacity of 0.4 af, evaporative loss rate of 0.1 af, and total annual storage volume of 0.5 af. **0.5 af** fire protection storage is consistent with the permitted volume which I'm recommending for licensing. ArcMap aerial imagery was used to assign the fire protection storage POU during licensing review.

The fire protection storage system uses a 75 hp vertical shaft centrifugal pump and concrete ringed wet well located within the pump station to draft from the small pond for fire suppression requirements within the storage unit facility (facility), but the POU is quantified as the storage pond for licensing purposes. Photographs were taken to catalog the fire protection system which routes to two fire hydrants and a tender truck hose attachment point located within the facility. The main 5 hp well pump serves as a jockey pump maintaining pressure in the system and preventing the fire pump from activating. Once a hydrant is opened and water flow results in the lowering of system pressure to approximately 30 psi the fire pump activates to meet higher flow demands. Based on this premise, the fire hydrants are not used during normal daily operations at the facility and fire protection from storage BU was not applied for on the permit but not required for licensing purposes.

Fire protection POU: during licensing review, I contemplated whether the fire protection as a direct flow BU was developed or simply a repetitive use served by the diversion to storage BU. There are hose bib attachments located at the pump station that enable the water system to actively pump from the groundwater well filling the wet well in the event the storage pond is depleted. I have recommended retaining the fire protection BU and utilized ArcMap to assign the parcel as the POU. Fire protection as a direct flow doesn't require volumetric reporting and has no annual volume on the face of the license. Additionally, due to this BU there shall be no maximum diversion volume designated on the face of the license.

Irrigation POU: from the pump station, a dedicated 1-inch poly pipe main lines routes out of the wet well and runs along the Northeast, Northern, and Northwest portion of the fenced in facility. The applicant uses soaker hose laterals from the main line to water trees and shrubs in a narrow band around the perimeter of the irrigation POU. I used field maps to sketch the POU during the exam & ArcMap aerial imagery was used to accurately trace out the POU during licensing review. The permit authorized development of 1.0 acres irrigation but my site evaluation and ArcMap trace out equals 0.1 acres of irrigation. Based on this information I've reduced the irrigation storage & irrigation from storage annual volume from 3.0 af to my license recommended value of **0.3 af** respectively for each irrigation component.

Several conditions of approval from the Permit were adapted/removed/added during licensing review as follows:

- I removed condition 26A & 046 based on compliance from the applicant.
- I revised condition 259 to reflect the total annual volume for storage equaling 0.8 af or the sum of the two storage BU's annual volume while revising the irrigation from storage multi-fill volume to read 0.3 af.
- I removed condition 220 was removed based on a directive from the Deputy Director, Shelley Keen.
- I replaced condition R58 with a text version akin to condition X31 but for storage volume related to irrigation.
- I've added conditions X59 & X60 as the POD/POU is found within a named subdivision.

Based on the overlap discussion from pg1 of this report, there are no overlapping water right concerns toward licensing this permit.

Have conditions of permit approval been met? X 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>
IRRIGATION STORAGE	01/01 to 12/31		0.3 AF
IRRIGATION FROM STORAGE	04/01 to 10/31		0.3 AF
FIRE PROTECTION	01/01 to 12/31	0.07 CFS	
FIRE PROTECTION STORAGE	01/01 to 12/31		0.5 AF
DIVERSION TO STORAGE	01/01 to 12/31	0.07 CFS	

Totals: 0.07 CFS

2. Recommended Amendments

Change P.D. as reflected above Add P.D. as reflected above X None

Change P.U. as reflected above Add P.U. as reflected above X None

I. AUTHENTICATION

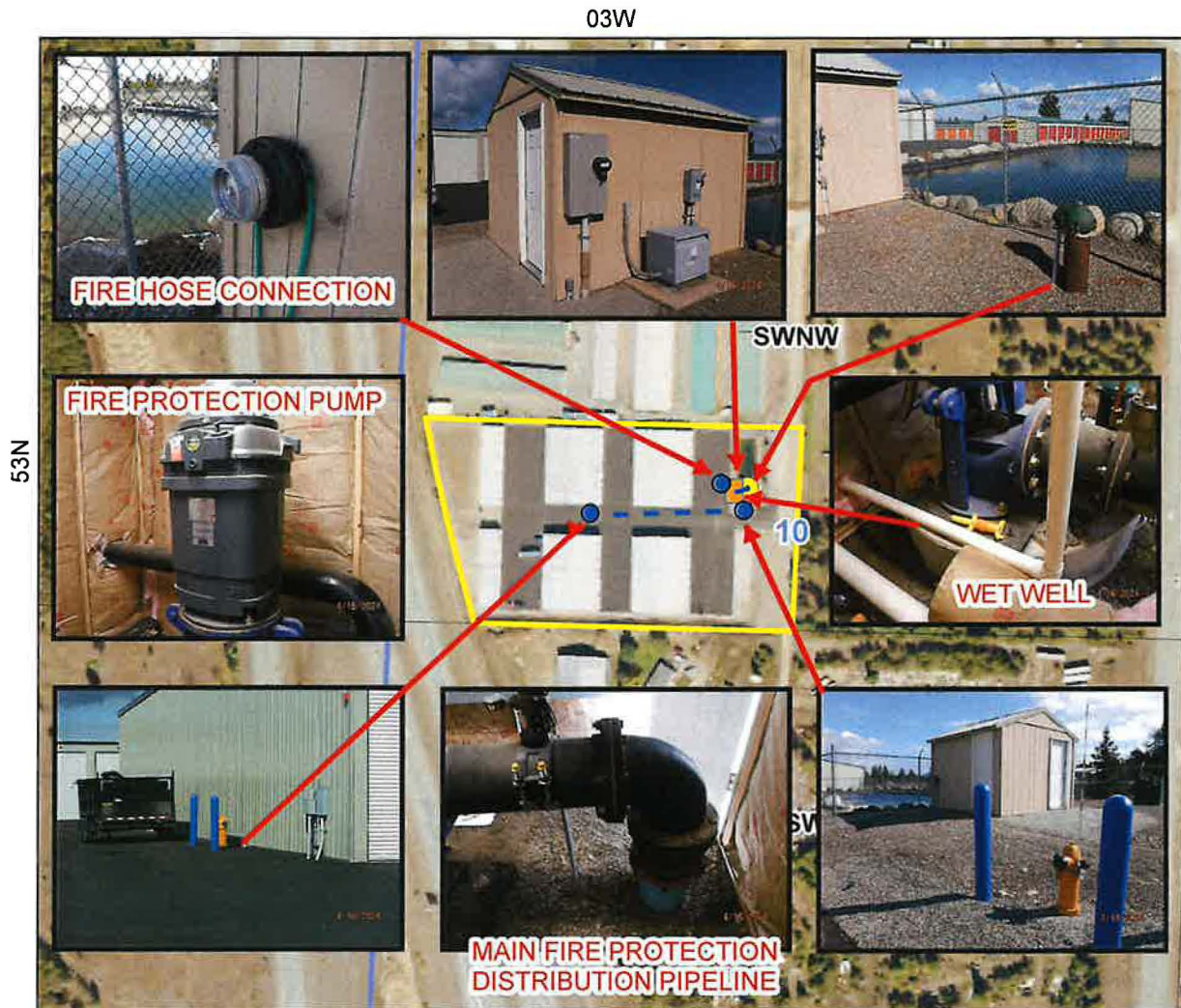
Luke Bates – Sr Water Resource Agent

Field Examiner's Name [Signature] Date 5/9/2024

Reviewer [Signature] Date 2/18/2025

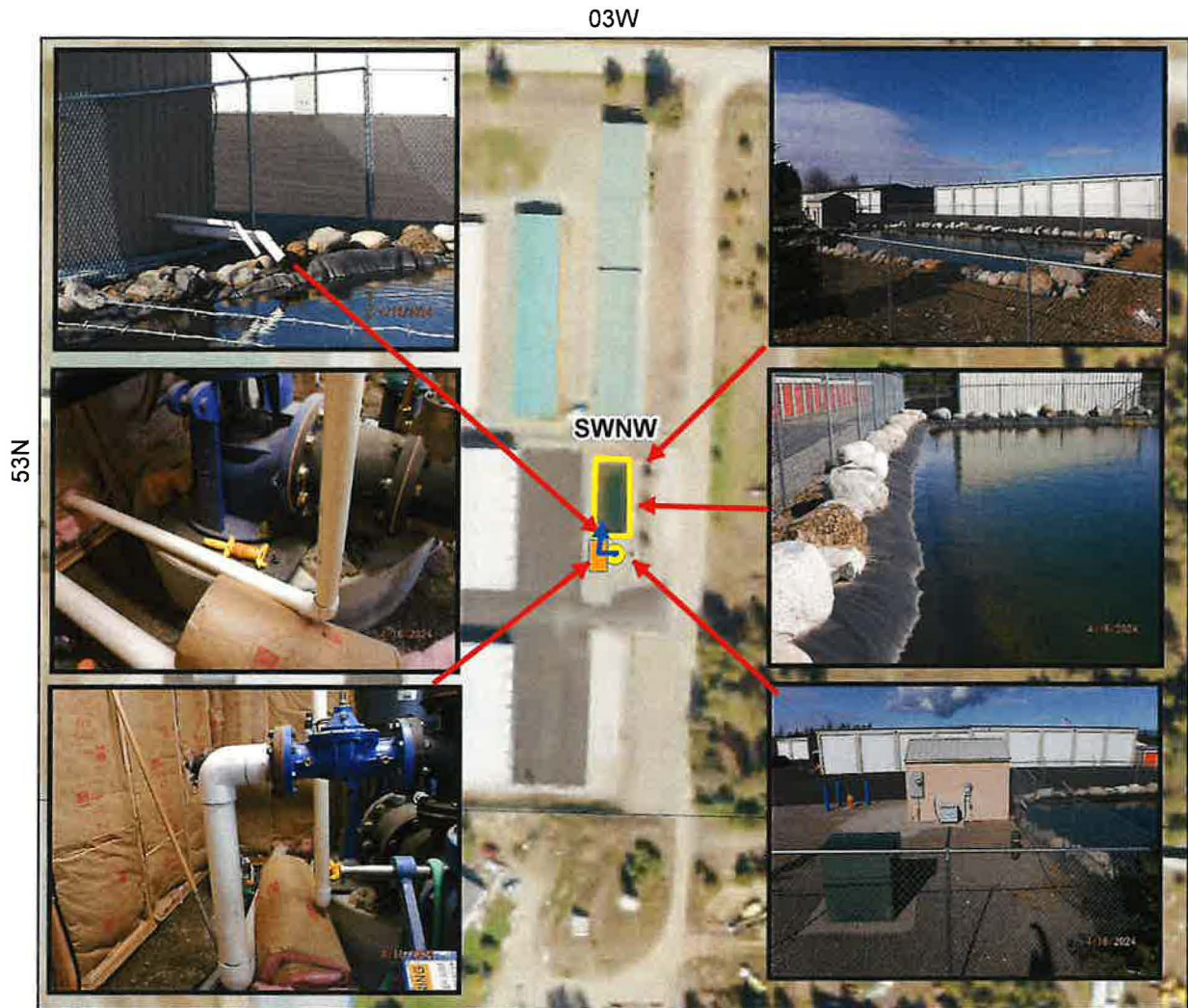
State of Idaho
Department of Water Resources
Attachment to Field Exam
95-17667

This map depicts the FIRE PROTECTION system diagram.



State of Idaho
Department of Water Resources
Attachment to Water Right
95-17667

This map depicts the IRRIGATION STORAGE and FIRE PROTECTION STORAGE place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.



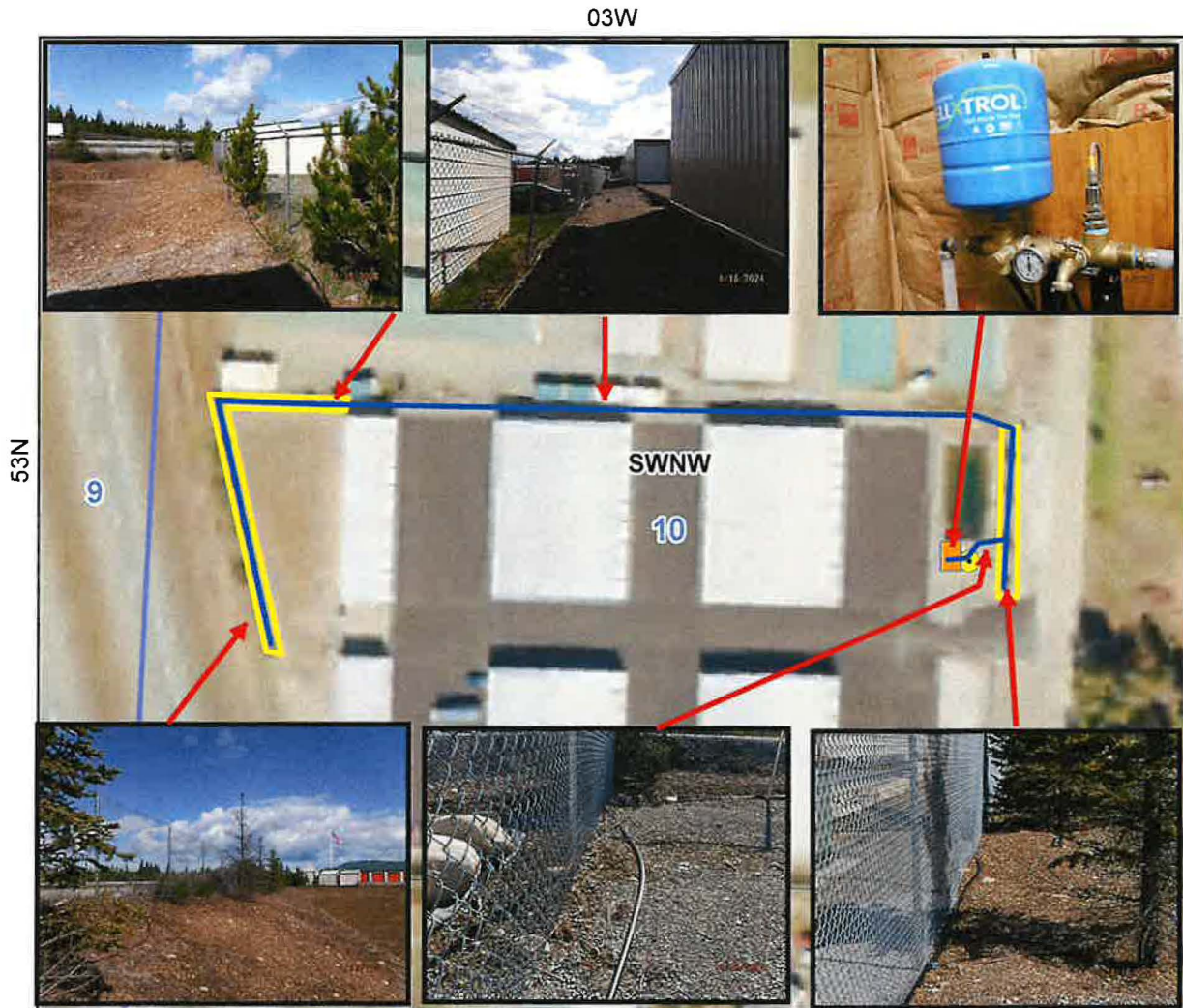
0 0.02 0.04 0.08 Miles

-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters
-  Point of Diversion



State of Idaho
Department of Water Resources
Attachment to Field Exam
95-17667

This map depicts the IRRIGATION FROM STORAGE system diagram.



0 0.015 0.03 0.06 Miles

-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters
-  Point of Diversion



THEORETICAL PUMPING EQUATION(S) FOR WR# 95-17667

Theoretical Pumping Equation is required because system did not allow for a proper measurement. Pump is estimated to lift 425 ft, and running at 45 psi.

PUMP EQUATION

WATER RIGHT No. 95-17667

D0079451	HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q = $HP \cdot 8.8 \cdot \text{Eff} / H$	5	529.0816	0.8	425	45
Q = 0.067 cfs 29.9 gpm					

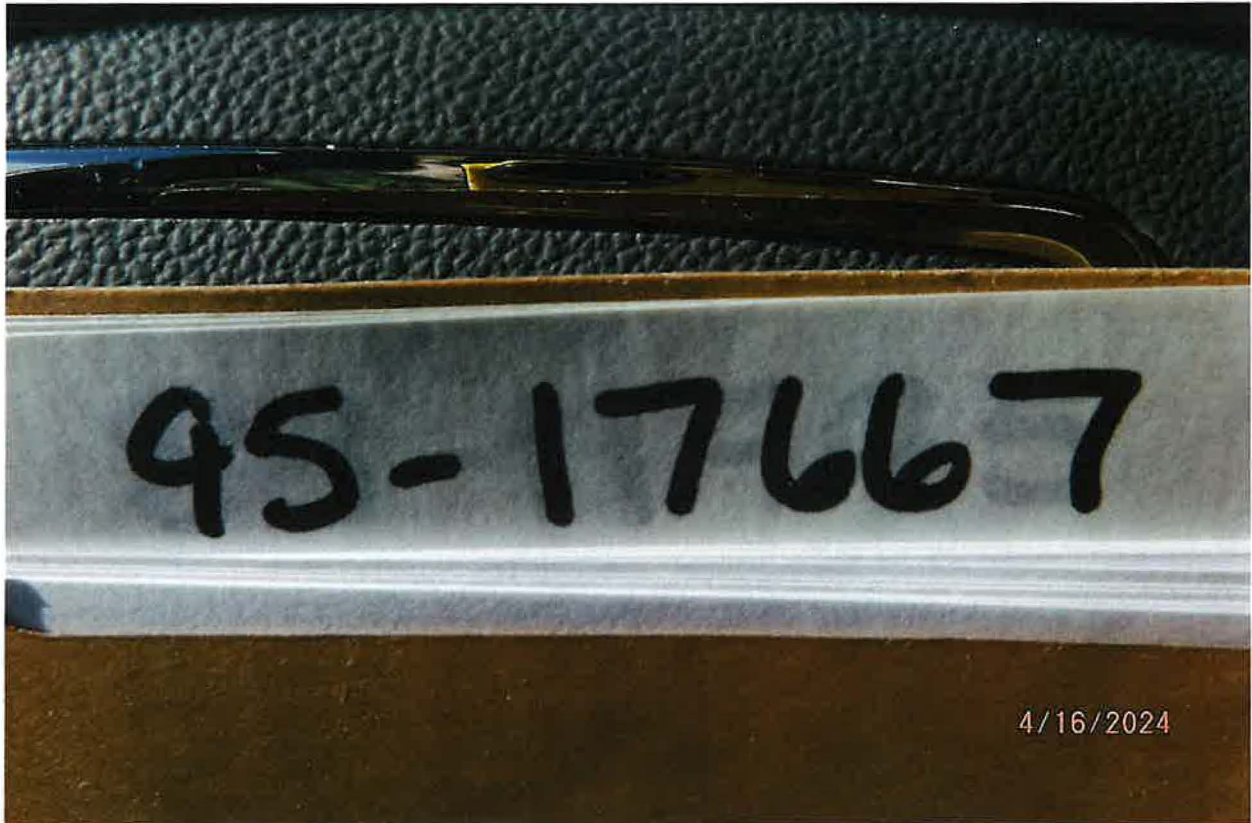
Total Storage Calculations

FILE NUMBER	95-17667
REVIEWER	Luke Bates
DATE	5/6/2024

This spreadsheet has been designed by Idaho Department of Water Resources to estimate the total seepage, evaporation and fill capacity required for a pond.

User Input
Calculated value
Formula Explanations

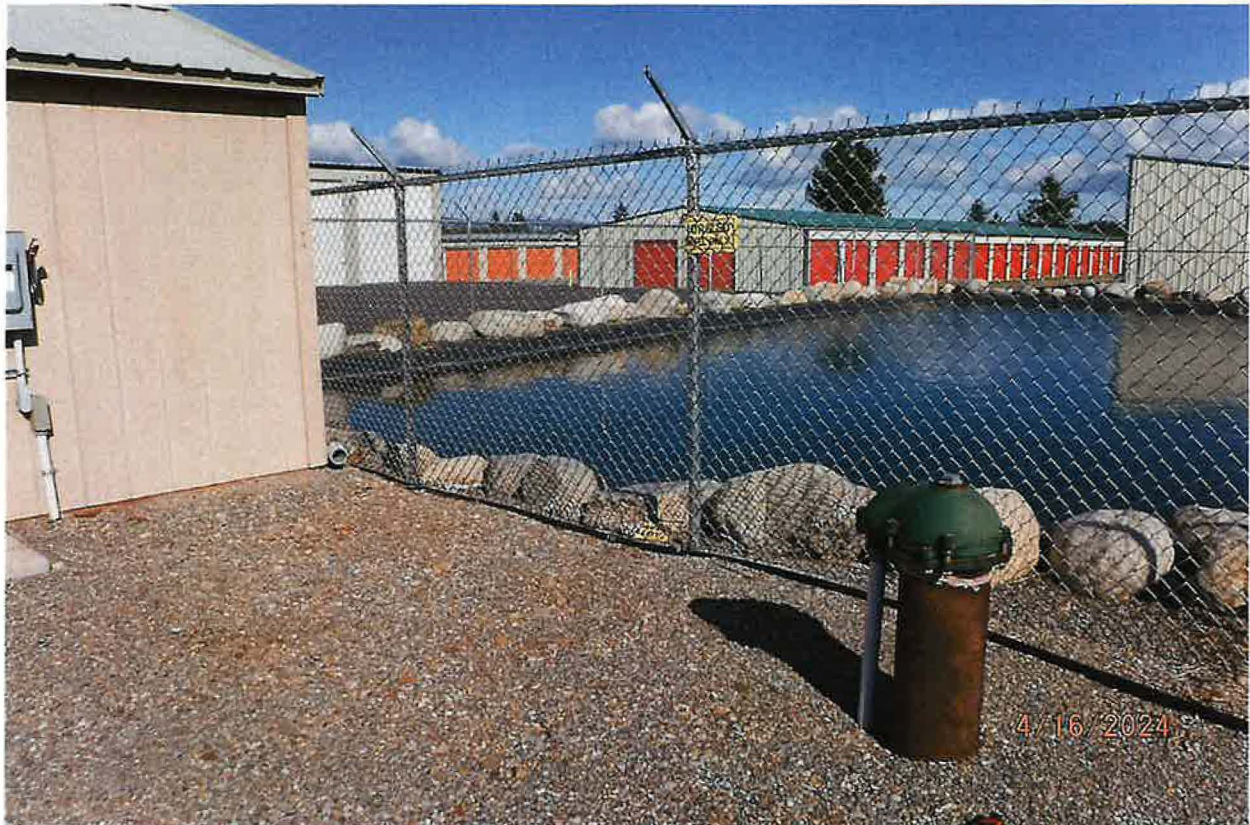
Surface Area (AC.)	0.1	"Surface Area" is automatically carried over from the "Seepage Loss" sheet.
Average Pond Depth (FT.)	4	"Average Pond Depth" depicts the actual depth of the pond either measured or estimated. Note: If you know the maximum depth and not the average depth, the Field Examiner's Handbook suggests multiplying the maximum depth by 0.4 to get the average depth, or you can use any method that seems reasonable to attain average depth.
Pond Capacity (AF)	0.4	Pond Capacity is calculated by multiplying the Pond Surface Area by the Average Pond Depth. If you know the capacity, divide the capacity by surface area and enter the average pond depth in the space above. Note: If pond capacity is determined using a method shown on the "Pond Capacity" sheet, the user may need to modify the value of "Pond Capacity" (cell B9) manually. Note that if the value is modified manually, the formula will be altered for future use.
Multiple Fill Volume Above Initial Fill to Fulfill From Storage Needs- "Multiple Fills" (AF)	0.3	The "Multiple Fill Volume Above Initial Fill" is the acre-feet of water required to meet a <i>from storage</i> component if the <i>from storage</i> component exceeds a one time fill. This section should not include the amount of water needed to fill the pond initially or the amount of water needed to maintain the pond level due to evaporation or seepage. For example: if a pond has a capacity of 5 acre feet and 2.5 acre feet of seepage and evaporation, but the pond is used for irrigation that requires 10 acre feet of from storage for the irrigation use, then you would insert 5 acre feet into this location (10 acre feet needed - 5 acre feet from the initial fill = 5 acre feet of additional storage needed). Note: You must have a "From Storage" component exceeding the initial fill on the permit to include a volume in this space.
Estimated Seepage Loss (AF)	0.0	The "Estimated Seepage Loss" is automatically carried over from the "Seepage Loss" sheet.
Estimated Evaporation Loss (AF)	0.1	The "Estimated Evaporation Loss" is automatically carried over from the "Evaporation Loss" sheet.
Total Volume Required (AF)	0.8	The "Total Volume Required" is calculated by adding the Pond Capacity, Multiple Fills, Seepage Loss, and Evaporation Loss amounts to determine the total amount of storage required.



BENEFICIAL USE FIELD EXAM DATE 4/16/2024



POD/POU LOCATED ON PARCEL RP08275001002A



POD – 8" CASSED WELL D0079451 CO-LOCATED WITH PUMP STATION & STORAGE POND





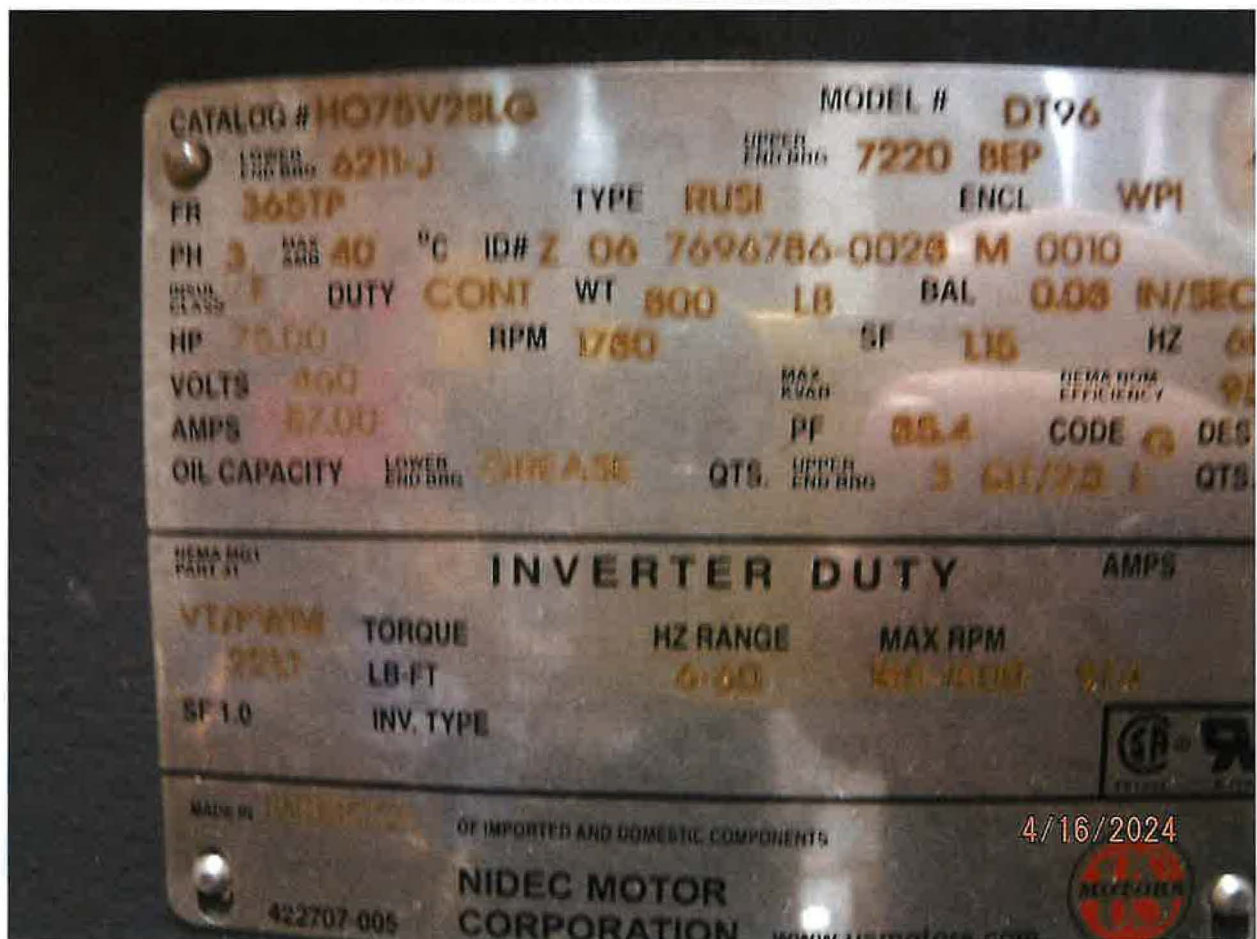
POU – FIRE PROTECTION STORAGE & IRRIGATION STORAGE LINED POND



DIVERSION TO STORAGE FROM WELL TO STORAGE POND

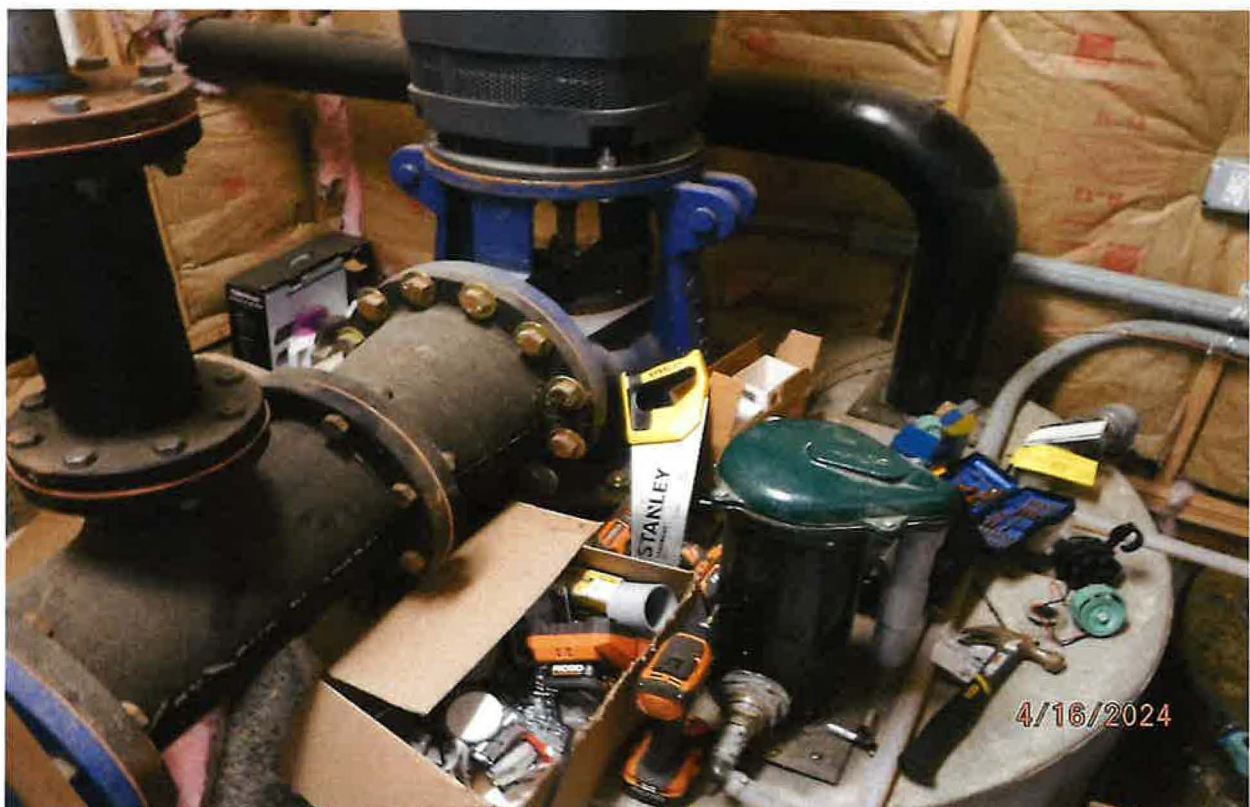


DIVERTING WORKS – INCLUDE A 75 HP 460V 3 PH US MOTOR, 1500 GPM FLOWISE LINE SHAFT TURBINE PUMP USED FOR FIRE PROTECTION PURPOSES

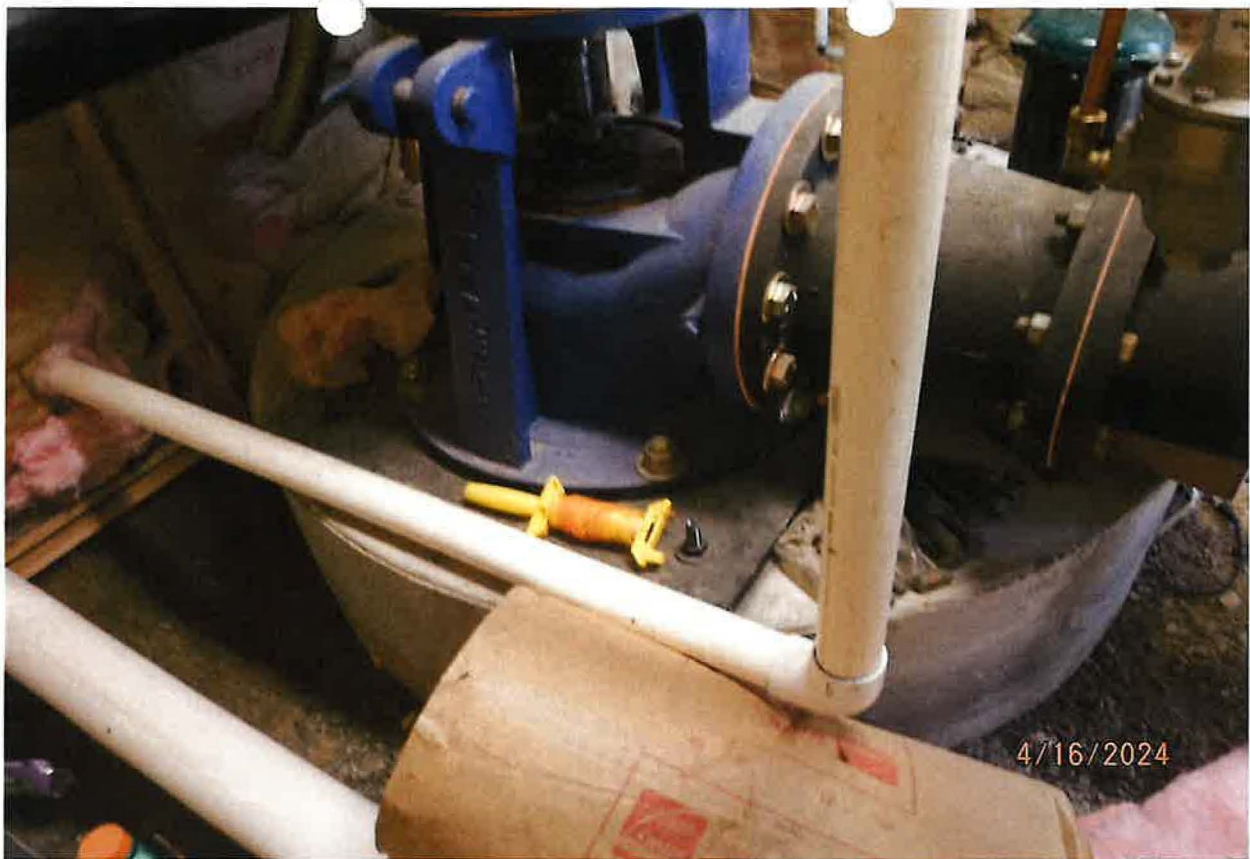




TWO PVC PIPE RUNS OVERFLOW FROM SYSTEM AND WELL PUMP TO STORAGE PIPELINES USE TO FILL POND



DIVERTING WORKS – WET WELL FILLED BY 5 HP PENTEK MOTOR COUPLED TO 5 HP BERKELEY PUMP. 6-INCH CASING AND CONDUIT ASSOCIATED WITH IRRIGATION SYSTEM COMPONENTS – NOT WELL PUMP RELATED.



BOTH IRRIGATION AND FIRE PROTECTION SYSTEM DRAFT FROM WET WELL (CONCRETE RINGS) THAT ARE CO-MINGLED TO STORAGE POND)



MAIN PIPELINE OUTFLOW TO FIRE PROTECTION SYSTEM



FIRE PROTECTION POU – TWO DEDICATED FIRE HYDRANTS POSITIONED IN STORAGE UNIT FACILITY





FIRE PROTECTION POU – MAIN FIRE TRUCK FILL PORT CONNECTS AT EXTERIOR OF PUMP STATION





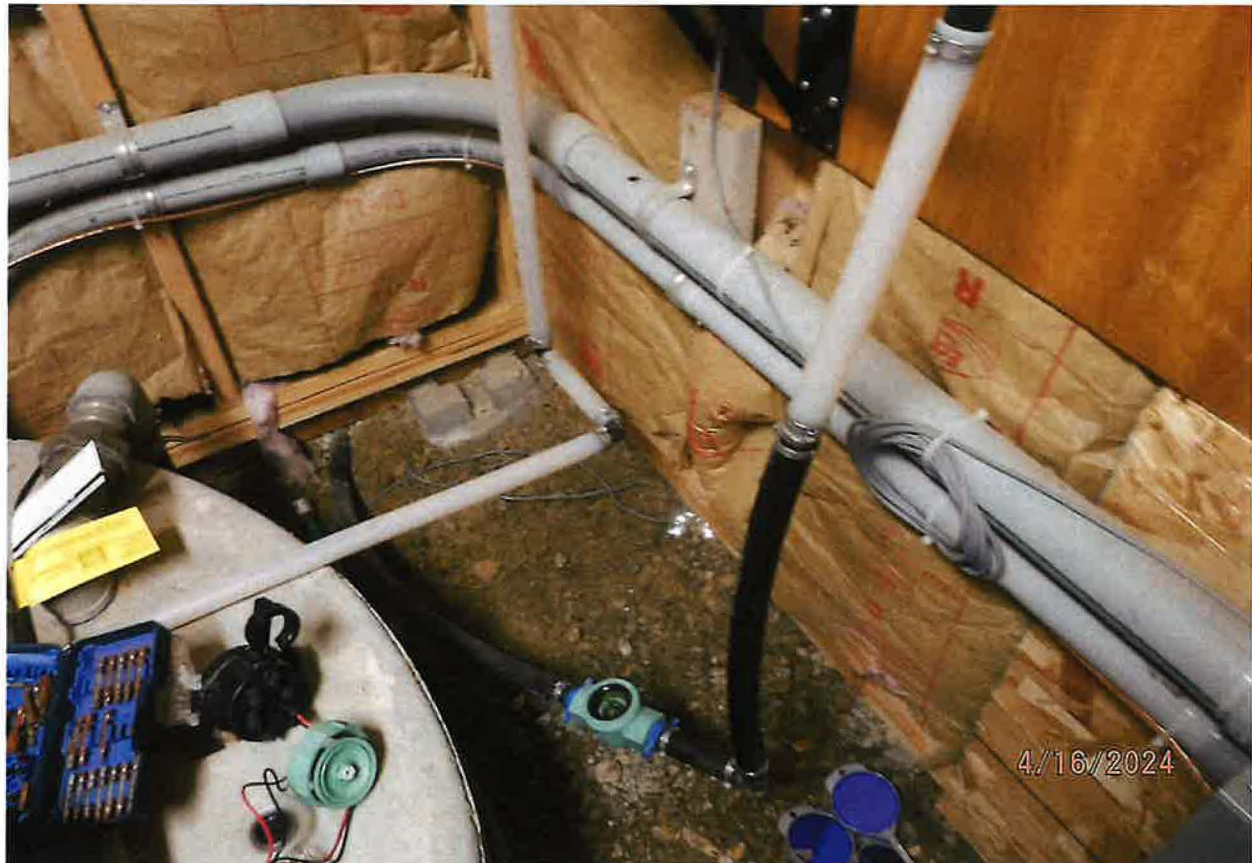
ONE OF THREE PUMP RELAY CONTROL PANELS (FIRE PUMP, WELL PUMP, IRRIGATION PUMP)



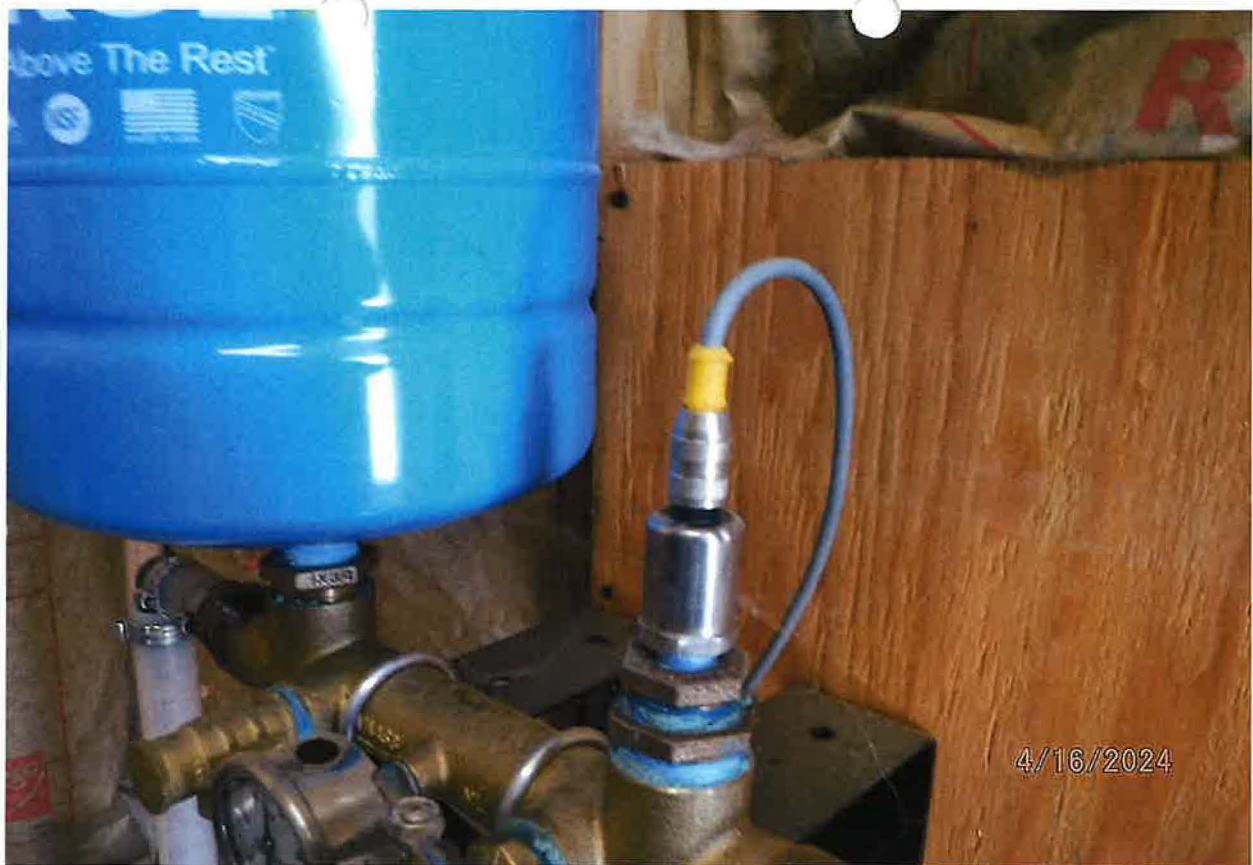
IRRIGATION FROM STORAGE PUMP RELAY CONTROL PANEL



IRRIGATION FROM STORAGE PUMP CONTROL S/N 1W1923024610014



IRRIGATION FROM STORAGE 1-INCH POLY PIPE SYSTEM



IRRIGATION FROM STORAGE PRESSURE POT AND SELINOID SWITCH



IRRIGATION FROM STORAGE SYSTEM STATIC PRESSURE 50 PSI



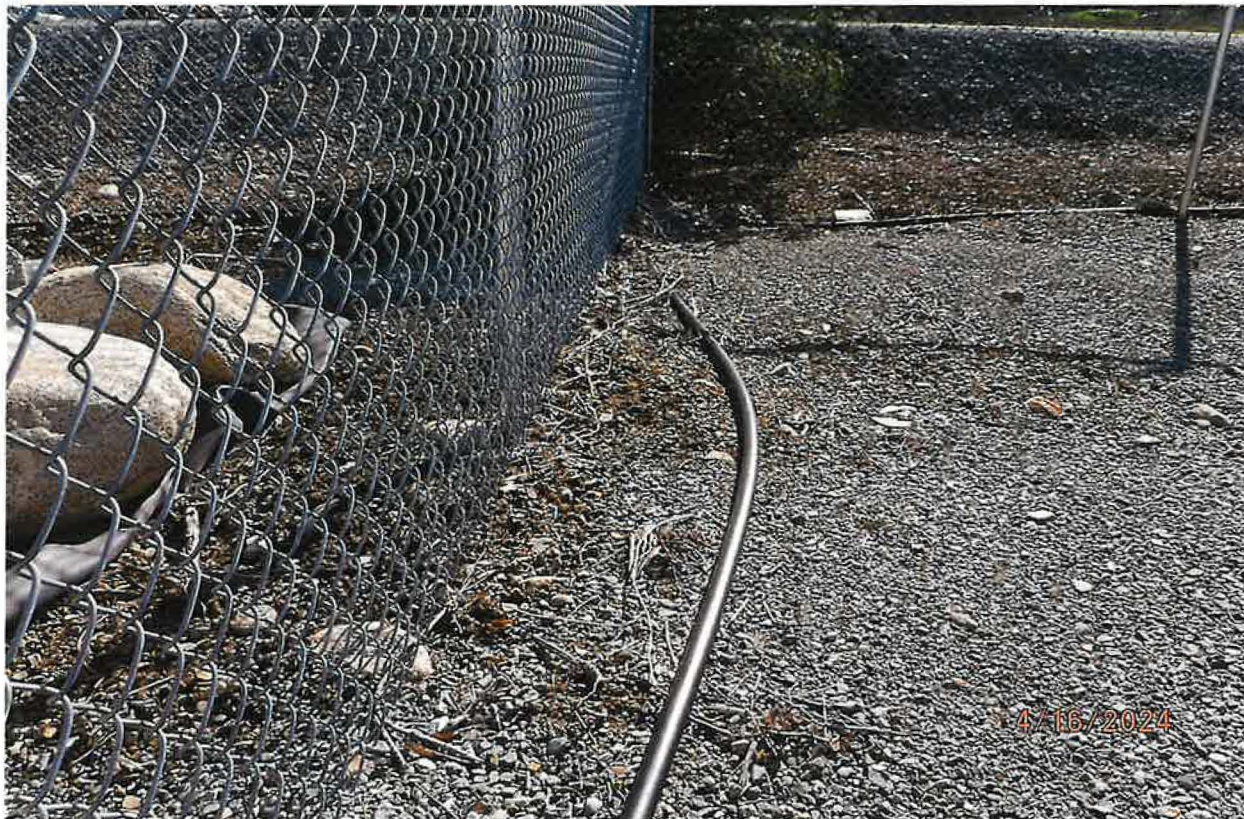
IRRIGATION FROM STORAGE POU – 1 INCH POLY PIPELINE WITH SOAKER HOSE LATERALS AT INTERVALS FOR SHRUB AND TREE WATERING AROUND PART OF PARCEL BOUNDARY LINE.





IRRIGATION PIPELINE ROUTES ALONG NORTHERN PARCEL BOUNDARY BUT NO IRRIGATION OCCURS BETWEEN BUILDINGS AND FENCE LINE. IRRIGATION OCCURS ALONG RUNOFF SWALES WEST OF PAVEMENT AND EAST OF STORAGE POND





IRRIGATION FROM STORAGE – 1-INCH POLY PIPELINE ROUTING EAST FROM PUMP STATION TO FENCE LINE, ROUTING NORTH/SOUTH ALONG EAST FENCE LINE WATERING TREE ROW

