

RECEIVED

MAR 14 2014

WATER RESOURCES
WESTERN REGION

Amended

STATE OF IDAHO

DEPARTMENT OF WATER RESOURCES

APPLICATION FOR PERMIT

To appropriate the public waters of the State of Idaho

Ident. No.

63-33877

1. Name of applicant(s) John A. Laude Sr. Phone 208-895-8858
 Name connector (check one): ☐ and ☐ or ☐ and/or
 Mailing address 2358 S. Titanium Place City Meridian
 State ID Zip 83642 Email shawn@trilogyidaho.com

2. Source of water supply Groundwater which is a tributary of _____

3. Location of point(s) of diversion:

TWP	RGE	SEC	Govt Lot	1/4	1/4	1/4	County	Source	Local name or tag #
3N	1E	28		SW	NE		ADA	Groundwater	D0064402

4. Water will be used for the following purposes:

Amount 3.69 acre feet for J - Aesthetic Storage purposes from Jan to Dec (both dates inclusive)
 (cfs or acre-feet per year)

Amount .09 cfs for Diversion to Storage purposes from April to Sept (both dates inclusive)
 (cfs or acre-feet per year)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
 (cfs or acre-feet per year)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
 (cfs or acre-feet per year)

5. Total quantity to be appropriated is (a) .09 maximum cubic feet per second (cfs) and/or (b) 3.69 acre feet per year (af).

6. Proposed diverting works:

a. Describe type and size of devices used to divert water from the source. The well has been constructed for Domestic Use 3hp submersible pump, 2" Line from well with BackFlow Prevention Device used to fill and makeup water to pond

b. Height of storage dam N/A feet; active reservoir capacity 2.25 acre-feet; total reservoir capacity 2.8 acre-feet. If the reservoir will be filled more than once each year, describe the refill plan in item 11. For

dams 10 feet or more in height OR reservoirs with a total storage capacity of 50 acre-feet or more, submit a separate Application for Construction or Enlargement of a New or Existing Dam. Application required? ☐ Yes ☒ No

c. Proposed well diameter is 6 inches; proposed depth of well is 186 feet.

d. Is ground water with a temperature of greater than 85°F being sought? ☐ Yes ☒ No

e. If well is already drilled, when? 4/29/2013; drilling firm Can-Ada Well Drilling and Pump; well was drilled for (well owner) John A Laude Sr; Drilling Permit No. D0064402

7. Description of proposed uses (if irrigation only, go to item 8):

a. Hydropower; show total feet of head and proposed capacity in kW. _____

b. Stockwatering; list number and kind of livestock. _____

c. Municipal; complete and attach the Municipal Water Right Application Checklist.

d. Domestic; show number of households 1

e. Other; describe fully. Filling and evaporation makeup for Aesthetic Pond.

8. Description of place of use:

- a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below.
See instructions for standard symbols.

TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
3N	1E	28									D								
3N	1E	28									J								

Total number of acres to be irrigated: N/A

9. Describe any other water rights used for the same purposes as described above. Include water delivered by a municipality, canal company, or irrigation district. If this application is for domestic purposes, do you intend to use this water, water from another source, or both, to irrigate your lawn, garden, and/or landscaping?

Water Rights appurtenant to property from Boise Projects Board of Control. This water source is not intended for use for irrigation purposes.

10. a. Who owns the property at the point of diversion? John A. Laude Sr.
- b. Who owns the land to be irrigated or place of use? John A. Laude Sr.
- c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing:
N/A

11. Describe your proposal in narrative form, and provide additional explanation for any of the items above. Attach additional pages if necessary.

Water from a domestic well drilled to serve a new residential home will be used to initially fill and then maintain water levels in a pond designed for aesthetic use (water feature). The well has been permitted and constructed and produces sufficient capacity for the intended use. The surface area of the pond is approximately 18,000 square feet, requiring an average flow of approximately .004 cfs over the summer months to maintain water levels. Maximum Flow rate for diversion to pond is .09 cfs. The pond is to be lined with PVC to prevent infiltration.

12. Time required for completion of works and application of water to proposed beneficial use is 1 years (minimum 1 year).

13. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8½" x 11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.

The information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in rejection of the application or cancellation of an approval.

Signature of Applicant

Signature of Applicant

Print Name (and title, if applicable)

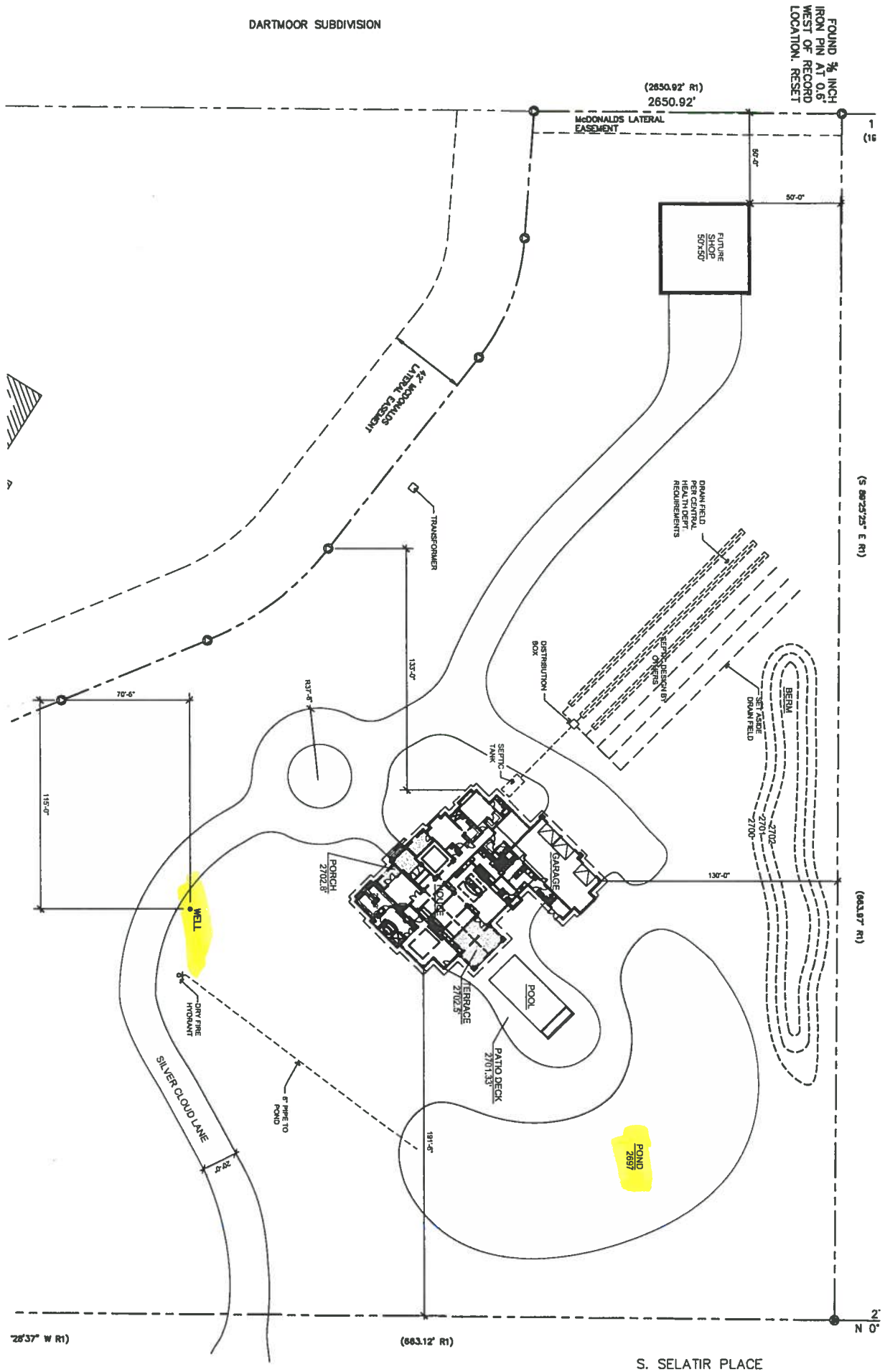
Print Name (and title, if applicable)

From original:

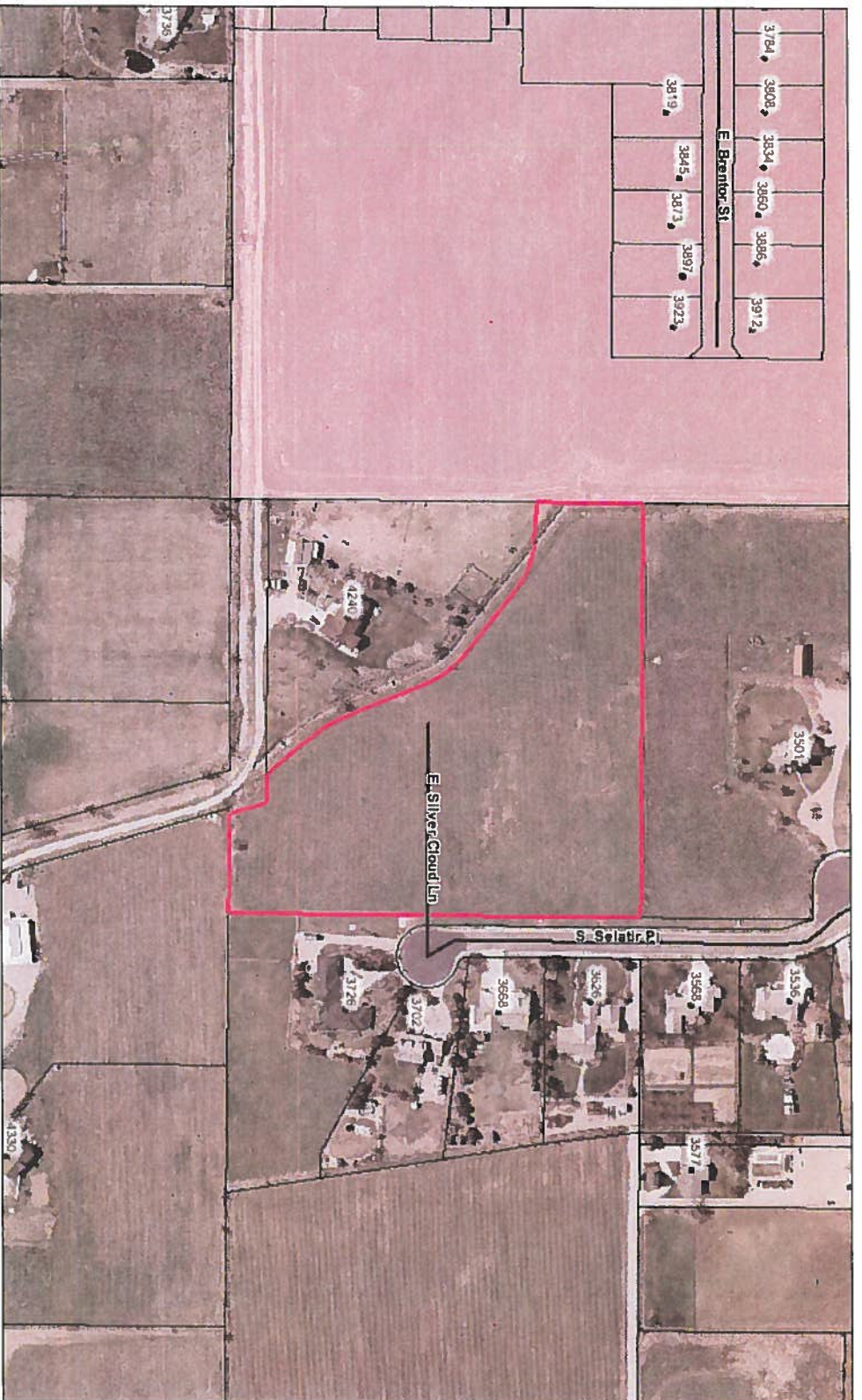
For Department Use:

Received by JA Date 11/27/13 Time 10:15 Preliminary check by VLM
 Fee \$ 9100.- Received by JA Receipt No. W041675 Date 11-27-13

DARTMOOR SUBDIVISION



E Silver Cloud Ln



This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers not shown on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Map center: 43° 34' 7.1" N, 116° 20' 35.2" W



Legend

- Major Roads
- Major Streets
- Minor Street
- Collector
- SECTION
- PRINCIPAL Arterial
- INTERSTATE
- Other
- Minor Streets
- LOCAL
- PARKS
- PRIVATE
- RESIDENTIAL
- Other
- Street Names (minor)
- Addresses
- Parcels
- Parcels
- City Limits
- Kuna
- Boise
- Durham City
- Engle
- Madison
- Adm-002310



Scale: 1:2017

RECEIVED

NOV 27 2013

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT
To appropriate the public waters of the State of Idaho

Ident. No. 63-338771. Name of applicant(s) John Laude Phone 208-895-8858Name connector (check one): ☐ and ☐ or ☐ and/orMailing address: 2358 South Titanium Place City MeridianState ID Zip 83642 Email: _____2. Source of water supply well # D0064402 which is a tributary of _____

3. Location of point(s) of diversion:

Twp	Rge	Sec	Govt Lot	1/4	1/4	1/4	County	Source	Local name or tag #
3N	1E	28		SW	NE		Ada	BLM	D0064402

4. Water will be used for the following purposes:

Amount 2.914 acft for water feature purposes from Jan to Dec (both dates inclusive)
(cfs or acre-feet per year)Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per year)Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per year)Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
(cfs or acre-feet per year)

5. Total quantity to be appropriated is (a) _____ cubic feet per second (cfs) and/or (b) _____ acre-feet per year (af).

6. Proposed diverting works:

a. Describe type and size of devices used to divert water from the source. 2" pipingb. Height of storage dam NA feet; active reservoir capacity 2.235 acre-feet; total reservoir capacity2.646 acre-feet. If the reservoir will be filled more than once each year, describe the refill plan in item 11.For dams 10 feet or more in height OR reservoirs with a total storage capacity of 50 acre-feet or more, submit a separate Application for Construction or Enlargement of a New or Existing Dam. Application required? ☐ Yes ☐ Noc. Proposed well diameter is 6 inches; proposed depth of well is 186 feet.d. Is ground water with a temperature of greater than 85°F being sought? ☐ Yes ☒ Noe. If well is already drilled, when? 4/29/2013; drilling firm Can-909 Well Drilling & Pump;Well was drilled for (well owner) John Laude; Drilling Permit No. D0064402

7. Description of proposed uses (if irrigation only, go to item 8):

a. Hydropower; show total feet of head and proposed capacity in kW. _____

b. Stockwatering; list number and kind of livestock. _____

c. Municipal; show name of municipality or the applicant's qualifications as a municipal provider. _____

d. Domestic; show number of households _____

e. Other; describe fully. for a water feature pond

8. Description of place of use:

- a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

Total number of acres to be irrigated: _____

9. Describe any other water rights used for the same purposes as described above. Include water delivered by a municipality, canal company, or irrigation district. If this application is for domestic purposes, do you intend to use this water, water from another source, or both, to irrigate your lawn, garden, and/or landscaping? No

10. a. Who owns the property at the point of diversion? John Lande
- b. Who owns the land to be irrigated or place of use? _____
- c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: _____

11. Describe your proposal in narrative form, and provide additional explanation for any of the items above. Attach additional pages if necessary. The applicant proposes to utilize ground water to fill a pond as a water feature. Once filled the water level will be maintained with ground water. The pond will be lined with a PVC liner to minimize water loss. Water used annually is based on evaporation rate average of 1/4" per day.

12. Time required for completion of works and application of water to proposed beneficial use is _____ years (minimum 1 year).
13. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8½" x 11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.

The information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in rejection of the application or cancellation of an approval.

Signature of Applicant

John A Lande

Print Name (and title, if applicable)

Signature of Applicant

Print Name (and title, if applicable)

For Department Use:

Received by JA Date 11/27/13 Time 10:15 Preliminary check by VLM

Fee \$ 100.00 Received by JA Receipt No. W541675 Date 11/27/13

IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

1. WELL TAG NO. D D0064402

Drilling Permit No. _____
Water right or injection well # _____

2. OWNER

Name Laude, John
Address 2358 So Titanium Place
City Meridian State ID Zip 83642

3. WELL LOCATION:

Twp. 3 North ☒ or South ☐ Rge. 1 East ☒ or West ☐
Sec. 28 SW 1/4 NE 1/4 1/4
10 acres 40 acres 160 acres

Gov't Lot _____ County Ada
Lat. 43° 34.160 (Deg. and Decimal minutes)
Long. 116° 20.562 (Deg. and Decimal minutes)
Address of Well Site 0 Bott Ln.

City Meridian

(Give at least name of road • Distance to Road or Landmark)

Lot _____ Blk. _____ Sub. Name _____

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation ☐ Thermal ☐ Injection
☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)

☒ New Well ☐ Replacement well ☐ Modify existing well
☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☒ Air Rotary ☐ Mud Rotary ☐ Cable ☐ Other _____

7. SEALING PROCEDURES

Seal material	From (ft)	To (ft)	Quantity (lbs or ft³)	Placement method/procedure
Med Chips	0	31	20 Bags	Poured

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Liner	Threaded	Welded
6"	+2	185	.250	Steel	☒	☐	☐	☒

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 185'

9. PERFORATIONS/SCREENS:

Perforations ☐ Y ☒ N Method _____
Manufactured screen ☒ Y ☐ N Type Johnson
Method of installation Washed in

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
186	191	.20		5"	Stainless	304

Length of Headpipe 7' Length of Tailpipe 0

Packer ☒ Y ☐ N Type K-Packer

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft³)	Placement method
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11. FLOWING ARTESIAN:

Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG) _____
Describe control device _____

12. STATIC WATER LEVEL and WELL TESTS:

Depth first water encountered (ft) 59' Static water level (ft) 59'
Water temp. (°F) 60 Bottom hole temp. (°F) 60
Describe access port Sanitary Well Cap

Well test:

Test method:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)	Pump	Bailer	Air	Flowing artesian
170	60	30	☐	☐	☒	☐

Water Quality test or comments:

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water	
				Y	N
10"	0	2	Top Soil		X
10"	2	4	Hard Pan		X
10"	4	10	Sand & Gravel		X
10"	10	16	Brown Clay		X
10"	16	42	Gravel & Boulders		X
6"	42	59	Gravel		X
6"	59	92	Gravel	X	
6"	92	120	Sandy Clay		X
6"	120	180	Heaving Sand	X	
6"	180	186	Brown Clay		X
6"	186	191	Sand	X	

Completed Depth (Measurable) 191'

Date: Started 4/22/2013 Completed 4/29/2013

14. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Can-Ada Well Drilling & Pump Co. No. 304

*Principal Driller Earl Skinner Date 5/11/2013

*Driller _____ Date _____

*Operator II Brad Skinner Date 5/11/2013

Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required.

IDAHO DEPARTMENT OF WATER RESOURCES WELL DRILLER'S REPORT

1. WELL TAG NO. D D0064402

Drilling Permit No. 902185-8082AA

Water right or injection well # _____

2. OWNER

Name Laude, John

Address 2358 So Titanium Place

City Meridian State ID Zip 83642

3. WELL LOCATION:

Twp. 3 North ☒ or South ☐ Rge. 1 East ☒ or West ☐

Sec. 28 SW 1/4 NE 1/4 1/4
10 acres 40 acres 160 acres

Gov't Lot _____ County Ada

Lat. 43° 34.160 (Deg. and Decimal minutes)

Long. 116° 20.562 (Deg. and Decimal minutes)

Address of Well Site 0 Bott Ln.

City Meridian

(Give at least name of road - Distance to Road or Landmark)

Lot. _____ Blk. _____ Sub. Name _____

4. USE:

☒ Domestic ☐ Municipal ☐ Monitor ☐ Irrigation ☐ Thermal ☐ Injection
☐ Other _____

5. TYPE OF WORK check all that apply (Replacement etc.)

☒ New Well ☐ Replacement well ☐ Modify existing well
☐ Abandonment ☐ Other _____

6. DRILL METHOD:

☒ Air Rotary ☐ Mud Rotary ☐ Cable ☐ Other _____

7. SEALING PROCEDURES

Seal material	From (ft)	To (ft)	Quantity (bs or ft ³)	Placement method/procedure
<u>Med Chips</u>	<u>0</u>	<u>31</u>	<u>20 Bags</u>	<u>Poured</u>

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Liner	Threaded	Welded
<u>6"</u>	<u>+2</u>	<u>185</u>	<u>.250</u>	<u>Steel</u>	☒	☐	☐	☒

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 185'

9. PERFORATIONS/SCREENS:

Perforations ☐ Y ☒ N Method _____

Manufactured screen ☒ Y ☐ N Type Johnson

Method of installation Washed in

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
<u>186</u>	<u>191</u>	<u>.20</u>		<u>5"</u>	<u>Stainless</u>	<u>304</u>

Length of Headpipe 7' Length of Tailpipe 0

Packer ☒ Y ☐ N Type K-Packer

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (bs or ft ³)	Placement method
-----------------	-----------	---------	-----------------------------------	------------------

11. FLOWING ARTESIAN:

Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG) _____

Describe control device _____

12. STATIC WATER LEVEL and WELL TESTS:

Depth first water encountered (ft) 59' Static water level (ft) 59'

Water temp. (°F) 60 Bottom hole temp. (°F) 60

Describe access port Sanitary Well Cap

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)
<u>170</u>	<u>60</u>	<u>30</u>

Test method:

Pump ☐ Bailer ☐ Air ☒ Flowing artesian ☐

Water Quality test or comments:

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp	Water	
				Y	N
<u>10"</u>	<u>0</u>	<u>2</u>	<u>Top Soil</u>		☒
<u>10"</u>	<u>2</u>	<u>4</u>	<u>Hard Pan</u>		☒
<u>10"</u>	<u>4</u>	<u>10</u>	<u>Sand & Gravel</u>		☒
<u>10"</u>	<u>10</u>	<u>16</u>	<u>Brown Clay</u>		☒
<u>10"</u>	<u>16</u>	<u>42</u>	<u>Gravel & Boulders</u>		☒
<u>6"</u>	<u>42</u>	<u>59</u>	<u>Gravel</u>		☒
<u>6"</u>	<u>59</u>	<u>92</u>	<u>Gravel</u>	☒	
<u>6"</u>	<u>92</u>	<u>120</u>	<u>Sandy Clay</u>		☒
<u>6"</u>	<u>120</u>	<u>180</u>	<u>Heaving Sand</u>	☒	
<u>6"</u>	<u>180</u>	<u>186</u>	<u>Brown Clay</u>		☒
<u>6"</u>	<u>186</u>	<u>191</u>	<u>Sand</u>	☒	

RECEIVED

MAY 14 2013

WATER RESOURCES
WESTERN REGION

Completed Depth (Measurable) 191'

Date Started 4/22/2013 Completed 4/29/2013

14. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name Can-Ada Well Drilling & Pump Co. No. 304

*Principal Driller Earl Skinner *Earl Skinner* Date 5/11/2013

*Driller _____ Date _____

*Operator II Brad Skinner *Brad Skinner* Date 5/11/2013

Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required.

Sommer, Rachel

From: Sommer, Rachel
Sent: Friday, March 28, 2014 9:59 AM
To: 'LEGALS@IDAHOSTATESMAN.COM'
Subject: Ada Legal Ad
Attachments: Ada Cover Letter.docx; Ada Legal Ad.docx

Good Morning Janice Hildreth,

Please see the attached ad for publication on 4/3/2014 & 4/10/2014.

Please confirm these are okay to publish as shown.

Thank you very much,

Rachel Sommer

Administrative Assistant

IDWR, Western Region

Office: 208-334-2190

Fax: 208-334-2348

rachel.sommer@idwr.idaho.gov

March 28, 2014

LEGAL NOTICE DEPARTMENT
IDAHO STATESMAN
PO BOX 40
BOISE, ID 83707

RE: Application For Permit No's: 63-33877, 63-33885
Application for Amendment of Permit No. 63-12097

Dear Legal Notice Department:

Please publish the enclosed legal notice on the dates indicated (once a week for two consecutive weekly issues). If you cannot publish the notice on the proposed dates, please contact us immediately.

An affidavit of publication must be submitted to the Department along with the publication bill. Please send the affidavit and bill to this office before 4/21/2014. Your cooperation is appreciated.

Sincerely,

Rachel Sommer
Administrative Assistant

Enclosures

The following applications have been filed to appropriate the public waters of the State of Idaho:

63-33877

JOHN LAUDE

2358 S TITANIUM PLACE

MERIDIAN, ID 83642

Point of Diversion SWNE S28 T03N R01E ADA County Source GROUND WATER

Use: AESTHETIC STORAGE 01/01 to 12/31 3.7 AF

Use: DIVERSION TO STORAGE 01/01 to 12/31 0.09 CFS

Total Diversion: 0.09 CFS, 3.7 AF

Date Filed: 11/27/2013

Place of Use: AESTHETIC STORAGE

T03N R01E S28 SWNE

Water bearing zone to be appropriated is from 59 to 185 feet.

Use is for an aesthetic pond.

63-33885

LITTLE ENTERPRISES LLLP

PO BOX 488

EMMETT, ID 83617

Point of Diversion NENW S19 T05N R01W ADA County Source GROUND WATER

Use: IRRIGATION 03/15 to 11/15 4.85 CFS

Total Diversion: 4.85 CFS

Date Filed: 12/5/2013

Place of Use: IRRIGATION

T05N R01W S17 SENE SW(ALL) SE(ALL)

T05N R01W S18 NESE SWSE SESE

T05N R01W S19 NENE NWNE NENW

Total Acres: 269

Water bearing zone to be appropriated is from 50 to 600 feet.

PROPOSED AMENDMENT OF WATER PERMIT

Wilson Properties LP of 1101 W. River St., Ste 150, Boise, ID 83702 filed Application No. **79201** to amend a water permit with a 1994 priority from ground water totaling 2.3 cfs. The permit provides irrigation water for property located at the southwest corner of South Cloverdale Dr. and Lake Hazel Rd. The applicant proposes to amend the permit to add a second point of diversion.

Permits will be subject to all prior water rights. For additional information concerning the property location, contact Western Region office at (208) 334-2190; or for a full description of the right(s), please see www.idwr.idaho.gov/apps/ExtSearch/WRFiling.asp. Protests may be submitted based on the criteria of Idaho Code § 42-203A. Any protest against the approval of this application must be filed with the Director, Dept. of Water Resources, Western Region, 2735 Airport Way, Boise ID 83705 together with a protest fee of \$25.00 for each application on or before 4/21/2014. The protestant must also send a copy of the protest to the applicant.

GARY SPACKMAN, Director

Published on 4/3/2014 and 4/10/2014



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

March 14, 2014

JOHN LAUDE
2358 S TITANIUM PLACE
MERIDIAN, ID 83642

Re: Application for Permit No. 63-33877 and drilling upgrade fee

Dear Mr. Laude:

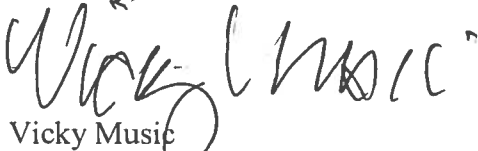
Thank you for the additional information recently submitted. I have finished my initial review and sent the file to advertising. I expect the application will be advertised the first and second week in April and a permit should be issued in early May 2014.

According to the records of Idaho Department of Water Resources (IDWR), your well was drilled in 2013 under a \$75 domestic well drilling permit. A \$75 drilling permit covers a well that does not require water right approval from IDWR. This is typically a single-family domestic well.

The proposed aesthetic use from your well does require water right approval, and your water right application seeks that approval. The well drilling fee for a well requiring a water right is \$200 instead of \$75. IDWR must collect the unpaid balance of \$125 for a well drilled under those circumstances.

Please remit \$125 to upgrade your well drilling permit within the next thirty days. Payment must be made before the permit is issued in early May 2014. Thank you for your attention to this matter and I can be contacted at 208-334-2190 if you have any questions.

Sincerely,



Vicky Music
Sr. Water Resource Agent

Music, Vicky

From: David Bailey [dbailey@baileyengineers.com]
Sent: Friday, March 14, 2014 9:53 AM
To: Music, Vicky
Cc: 'Shawn@trilogyidaho.com'
Subject: RE: LAUDE POND APP AND REPORT 20140311.pdf
Attachments: Application_for_Permit_Laude REV 20140314 for Sig.pdf

Shawn,

Attached is revised application per Vicky's instructions below - can you please get John to sign and return to Vicky Music? I think we need to deliver the original signed hard copy.

Thank you,

David A Bailey
Bailey Engineering, Inc.
4242 N. Brookside Lane
Boise, ID 83714
Ph (208) 938-0013
Cell (208) 870-1013

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

From: Music, Vicky [<mailto:Vicky.Music@idwr.idaho.gov>]
Sent: Friday, March 14, 2014 9:40 AM
To: David Bailey
Subject: RE: LAUDE POND APP AND REPORT 20140311.pdf

Hi David -

Great - this information will complete the application.
For diversion to storage use, use the 0.09 cfs.

For the aesthetic storage use, use the total of 3.69 af.

I'll need the original applications that Mr Laude signs. Thank you.
Regards,

Vicky M

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

From: David Bailey [<mailto:dbailey@baileyengineers.com>]
Sent: Friday, March 14, 2014 8:18 AM
To: Music, Vicky
Cc: 'Shawn@trilogyidaho.com'
Subject: RE: LAUDE POND APP AND REPORT 20140311.pdf

Vicky,

I think we have all the numbers but I am struggling with how to present them so they work for the application - here is another shot using the categories you described.

1. - Diversion to storage:

- The well was drilled to approximately 190 feet and has a static water level of approximately 50 feet.
- The well was test pumped at 60 gpm for 30 minutes
- A 3 HP submersible pump was installed which is expected to provide approximately 40 gpm maximum at 60psi.
- 40 gpm = .089 cfs max diversion rate.
- There is approximately 250 lf of 2" pipe from the well to the pond for filling - approximately 10 psi head loss at 40 gpm - the piping arrangement does not appreciably reduce the flow rate

2. Aesthetic Storage:

- 2.25 acre feet is approximately 735,000 gallons
- Initial fill of the pond at 40 gpm = $735,000 \text{ gal} / 40 \text{ gpm} / 1440 \text{ min/day} = 13 \text{ days}$.
- Evaporative losses throughout the year total 1.44 acre-feet
- Pond is PVC lined so no appreciable leakage is expected
- Total Aesthetic Storage (assuming complete refill from empty each year) = 3.69 acre-feet

Thank you,

David A Bailey
 Bailey Engineering, Inc.
 4242 N. Brookside Lane
 Boise, ID 83714
 Ph (208) 938-0013
 Cell (208) 870-1013

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

From: Music, Vicky [<mailto:Vicky.Music@idwr.idaho.gov>]
 Sent: Wednesday, March 12, 2014 2:54 PM
 To: David Bailey
 Subject: RE: LAUDE POND APP AND REPORT 20140311.pdf

Hi David--

Did you see the information I gave Mr Brockway and Mrs Laude when they were in my office last week? That information listed specifically what the beneficial use terms recognized by the Dept were for the uses:

[1] Diversion to storage [this is the diversion rate -- the greatest rate of water flow from the source - the well -- to the pond and it depends on the gpm the motor/pump is rated at and the pipe dimension.]

[2] aesthetic storage -- this is the total volume in acre-feet [includes initial refill + evaporative losses + make up water for the year].

Call me to discuss.
 Regards -

Vicky M

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

From: David Bailey [<mailto:dbailey@baileyengineers.com>]

Sent: Tuesday, March 11, 2014 9:59 PM
To: Music, Vicky
Cc: 'Shawn@trilogyidaho.com'; Jon Breckon
Subject: LAUDE POND APP AND REPORT 20140311.pdf

Vicky,

Please find attached the additional information you requested for the pond application.
Please let me know if I missed anything and I can get it to you right away.

Thank you,

David A Bailey
Bailey Engineering, Inc.
4242 N. Brookside Lane
Boise, ID 83714
Ph (208) 938-0013
Cell (208) 870-1013

B Bailey Engineering, Inc.
CIVIL ENGINEERING|PLANNING|CADD

March 5, 2014

Vicky Music
Sr. Water Resource Agent
Western Region
Idaho Department of Water Resources
2735 Airport Way
Boise, ID 83705-5082

Delivered via email: Vicky.Music@idwr.idaho.gov

RE: IDWR Application for Permit – Application #63-33877

Dear Vicky,

Thank you for discussing this project with me on Tuesday and sending me the evaporation information.

This letter is intended to provide additional information to the above referenced application for a water right. It is my understanding that you had requested additional information pertaining to the application. I have attached a revised copy of the application with the following addendum information:

- Site Map Showing location of facilities
- Scaled Grading Plan for Pond Showing volume and surface area information
- Well Drillers Report
- Evaporation Calculations

I can be reached at 208-938-0013 or dbailey@baileyengineers.com.
Sincerely,



David A. Bailey, P.E.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT
To appropriate the public waters of the State of Idaho

1. Name of applicant(s) John A. Laude Sr. Phone 208-895-8858
 Name connector (check one) ☐ and ☐ or ☐ and/or
 Mailing address 2358 S. Titanium Place City Meridian
 State ID Zip 83642 Email shawn@trilogyidaho.com

2. Source of water supply Groundwater which is a tributary of _____

3. Location of point(s) of diversion:

TWP	RGE	SEC	Govt Lot	1/4	1/4	1/4	County	Source	Local name or tag #
3N	1E	28		SW	NE		ADA	Groundwater	D0064402

4. Water will be used for the following purposes:

Amount 2.25 acre feet for J - Aesthetic purposes from Jan to Dec (both dates inclusive)
 (cfs or acre-feet per year)

Amount .004 cfs for Evaporation Makeup purposes from April to Sept (both dates inclusive)
 (cfs or acre-feet per year)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
 (cfs or acre-feet per year)

Amount _____ for _____ purposes from _____ to _____ (both dates inclusive)
 (cfs or acre-feet per year)

5. Total quantity to be appropriated is (a) .004 cubic feet per second (cfs) and/or (b) 1.5 acre feet per year (af).

6. Proposed diverting works:

a. Describe type and size of devices used to divert water from the source. The well has been constructed for Domestic Use
2" Line from well with BackFlow Prevention Device used to provide makeup water to pond

b. Height of storage dam N/A feet; active reservoir capacity 2.25 acre-feet; total reservoir capacity
2.8 acre-feet. If the reservoir will be filled more than once each year, describe the refill plan in item 11. For
 dams 10 feet or more in height OR reservoirs with a total storage capacity of 50 acre-feet or more, submit a separate Application for
 Construction or Enlargement of a New or Existing Dam. Application required? ☐ Yes ☒ No

c. Proposed well diameter is 6 inches; proposed depth of well is 186 feet.

d. Is ground water with a temperature of greater than 85°F being sought? ☐ Yes ☒ No

e. If well is already drilled, when? 4/29/2013; drilling firm Can-Ada Well Drilling and Pump;
 well was drilled for (well owner) John A Laude Sr; Drilling Permit No. D0064402

7. Description of proposed uses (if irrigation only, go to item 8):

a. Hydropower; show total feet of head and proposed capacity in kW. _____

b. Stockwatering; list number and kind of livestock. _____

c. Municipal; complete and attach the Municipal Water Right Application Checklist.

d. Domestic; show number of households 1

e. Other; describe fully. Filling and evaporation makeup for Aesthetic Pond.

8. Description of place of use:

- a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
- b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below. See instructions for standard symbols.

TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
3N	1E	28									D								
3N	1E	28									J								

Total number of acres to be irrigated: N/A

9. Describe any other water rights used for the same purposes as described above. Include water delivered by a municipality, canal company, or irrigation district. If this application is for domestic purposes, do you intend to use this water, water from another source, or both, to irrigate your lawn, garden, and/or landscaping?

Water Rights appurtenant to property from Boise Projects Board of Control. This water source is not intended for use for irrigation purposes.

10. a. Who owns the property at the point of diversion? John A. Laude Sr.
- b. Who owns the land to be irrigated or place of use? John A. Laude Sr.
- c. If the property is owned by a person other than the applicant, describe the arrangement enabling the applicant to make this filing: N/A

11. Describe your proposal in narrative form, and provide additional explanation for any of the items above. Attach additional pages if necessary.

Water from a domestic well drilled to serve a new residential home will be used to initially fill and then maintain water levels in a pond designed for aesthetic use (water feature). The well has been permitted and constructed and produces sufficient capacity for the intended use. The surface area of the pond is approximately 18,000 square feet, requiring an average flow of approximately .004 cfs over the summer months to maintain water levels. The pond is to be lined with PVC to prevent infiltration.

12. Time required for completion of works and application of water to proposed beneficial use is 1 years (minimum 1 year).

13. **MAP OF PROPOSED PROJECT REQUIRED** - Attach an 8 1/2" x 11" map clearly identifying the proposed point of diversion, place of use, section #, township & range. A photocopy of a USGS 7.5 minute topographic quadrangle map is preferred.

The information contained in this application is true to the best of my knowledge. I understand that any willful misrepresentations made in this application may result in rejection of the application or cancellation of an approval.

Signature of Applicant

Signature of Applicant

Print Name (and title, if applicable)

Print Name (and title, if applicable)

For Department Use:

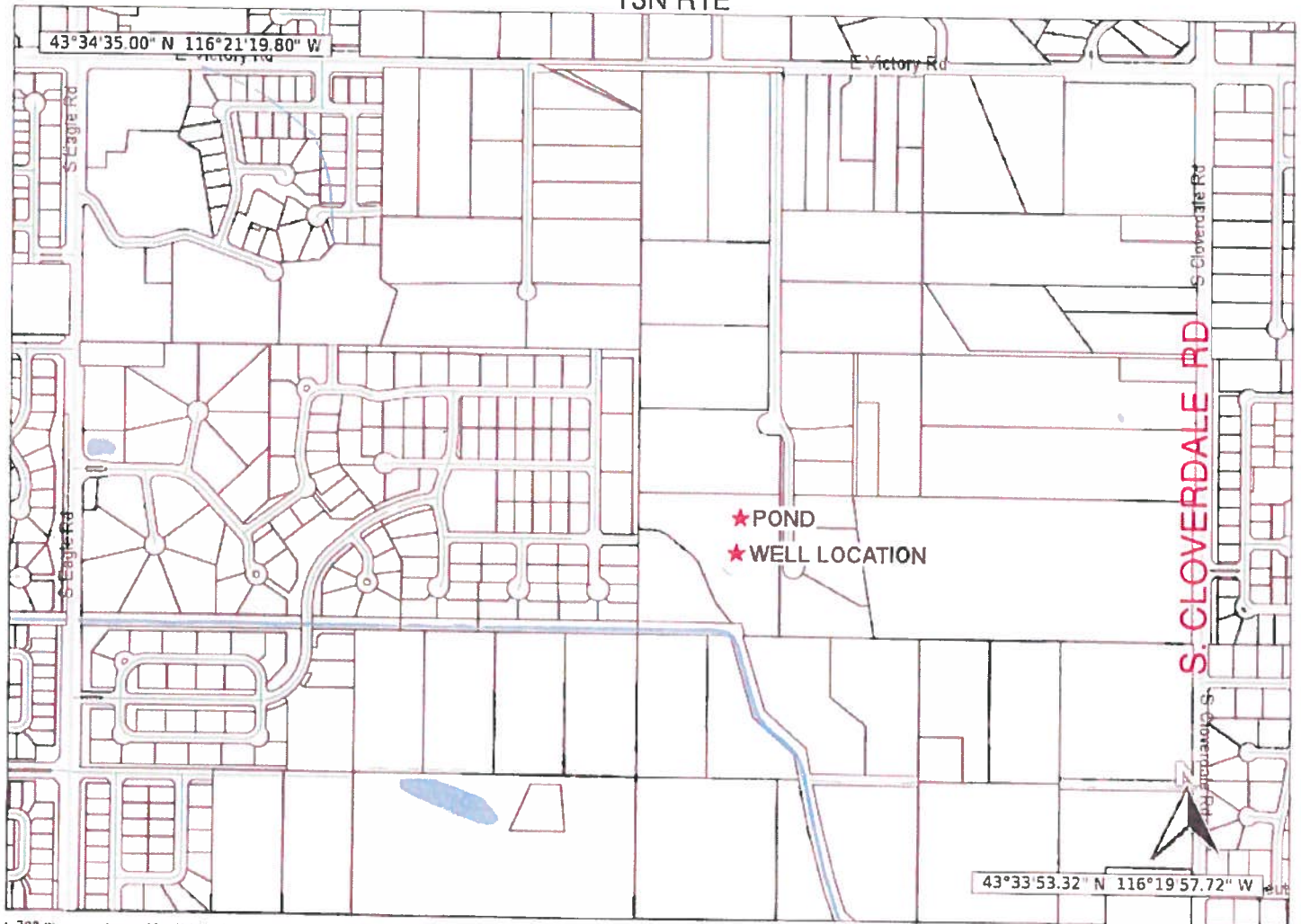
Received by _____ Date _____ Time _____ Preliminary check by _____

Fee \$ _____ Receipted by _____ Receipt No. _____ Date _____



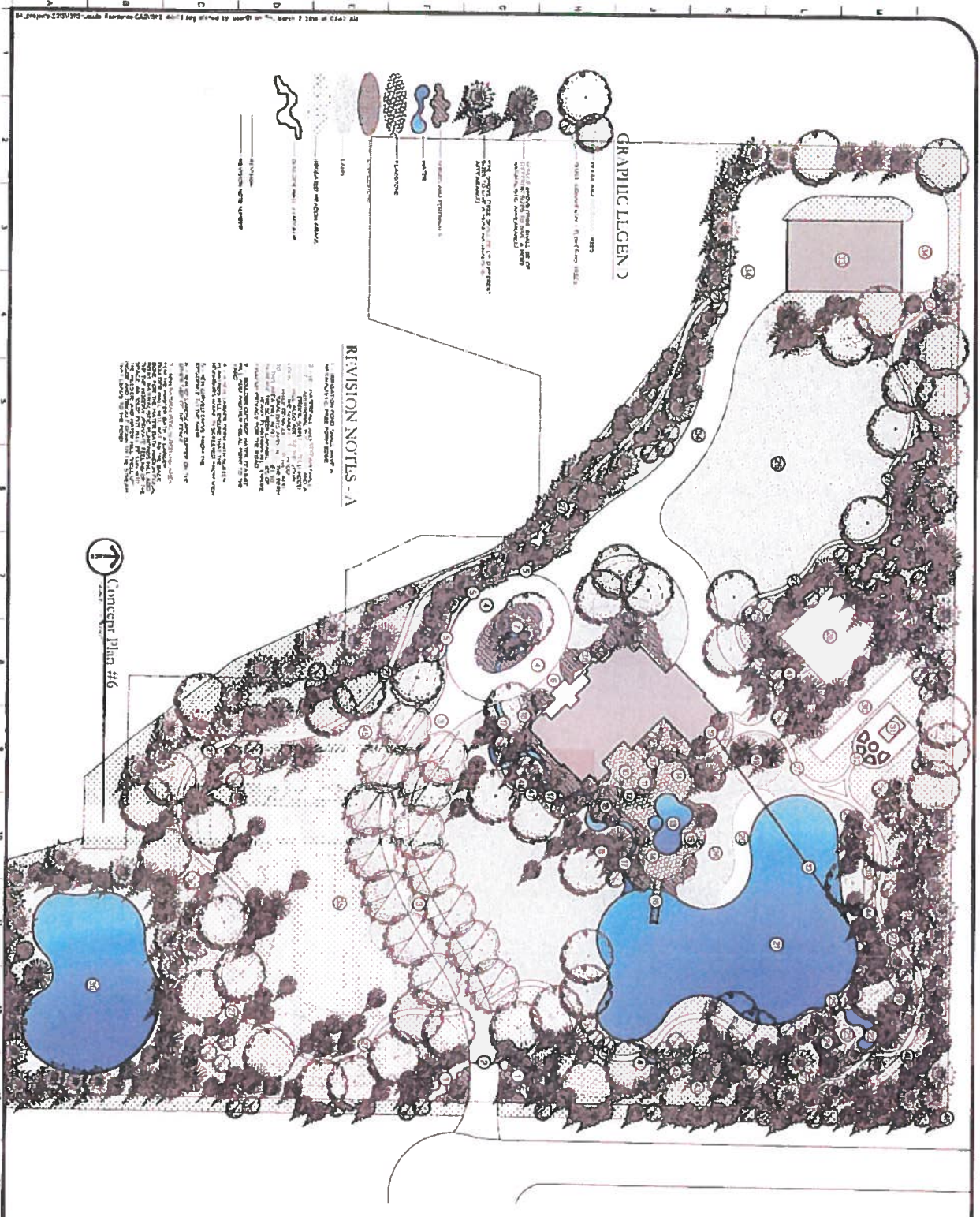
SCALE: 1"= 30'-0"

LAUDE POND
SW1/4 NE1/4 SECTION 28
T3N R1E



200 m
700 ft
Mar/11/2014
Scale 1:10000

The materials available at this web site are for informational purposes only and do not constitute a legal document.



GRAPHIC LEGEND

- 1. 1" = 1' SCALE
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REVISION NOTES - A

1. REVISION 1: ADD NEW PLANTING TO THE NORTH SIDE OF THE LAWN.
2. REVISION 2: ADD NEW PLANTING TO THE SOUTH SIDE OF THE LAWN.
3. REVISION 3: ADD NEW PLANTING TO THE EAST SIDE OF THE LAWN.
4. REVISION 4: ADD NEW PLANTING TO THE WEST SIDE OF THE LAWN.
5. REVISION 5: ADD NEW PLANTING TO THE NORTH SIDE OF THE LAWN.
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9. REVISION 9: ADD NEW PLANTING TO THE NORTH SIDE OF THE LAWN.
10. REVISION 10: ADD NEW PLANTING TO THE SOUTH SIDE OF THE LAWN.
11. REVISION 11: ADD NEW PLANTING TO THE EAST SIDE OF THE LAWN.
12. REVISION 12: ADD NEW PLANTING TO THE WEST SIDE OF THE LAWN.
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48. REVISION 48: ADD NEW PLANTING TO THE WEST SIDE OF THE LAWN.
49. REVISION 49: ADD NEW PLANTING TO THE NORTH SIDE OF THE LAWN.

Concept Plan #6

CALL OUT LEGEND

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LAUDE RESIDENCE
4110 EAST SILVER CLOUD LANE
BOISE, IDAHO
CONCEPT PLAN #6



NOT A FINAL
FOR CONSTRUCTION

DD6

PROJECT: LAUDE RESIDENCE

PROJECT #: C2014-000

DATE: 03-11-2014

Assumptions for calculations:					
Pond Surface Area	17,900	square feet	=	0.41	acres
Inches/Year Evap	42.0	in/year	=	3.5	feet
AF Loss/Year	1.44	Acre-Feet			
Average Flow Rate	17,900 sf * 42 in/year * 1 ft/12" * 1 year/31,536,000 sec = .002 cfs				
	=	0.002	cfs		
	=	0.900	gal/min		
	=	1,280	gal/day		

POND EVAPORATION MAP

Estimate AF lost to evaporation

Data

Pond surface area - acres

Inches/year evap - best fit from map

Convert inches of loss/year to feet

AF loss = feet x acres

Example

Pond covers 5 acres in nw Ada County

Average depth = 10 ft

Pond capacity = 5 ac x 10 ft = 50 AF

Inches of loss/year = 42 (between 40 & 45)

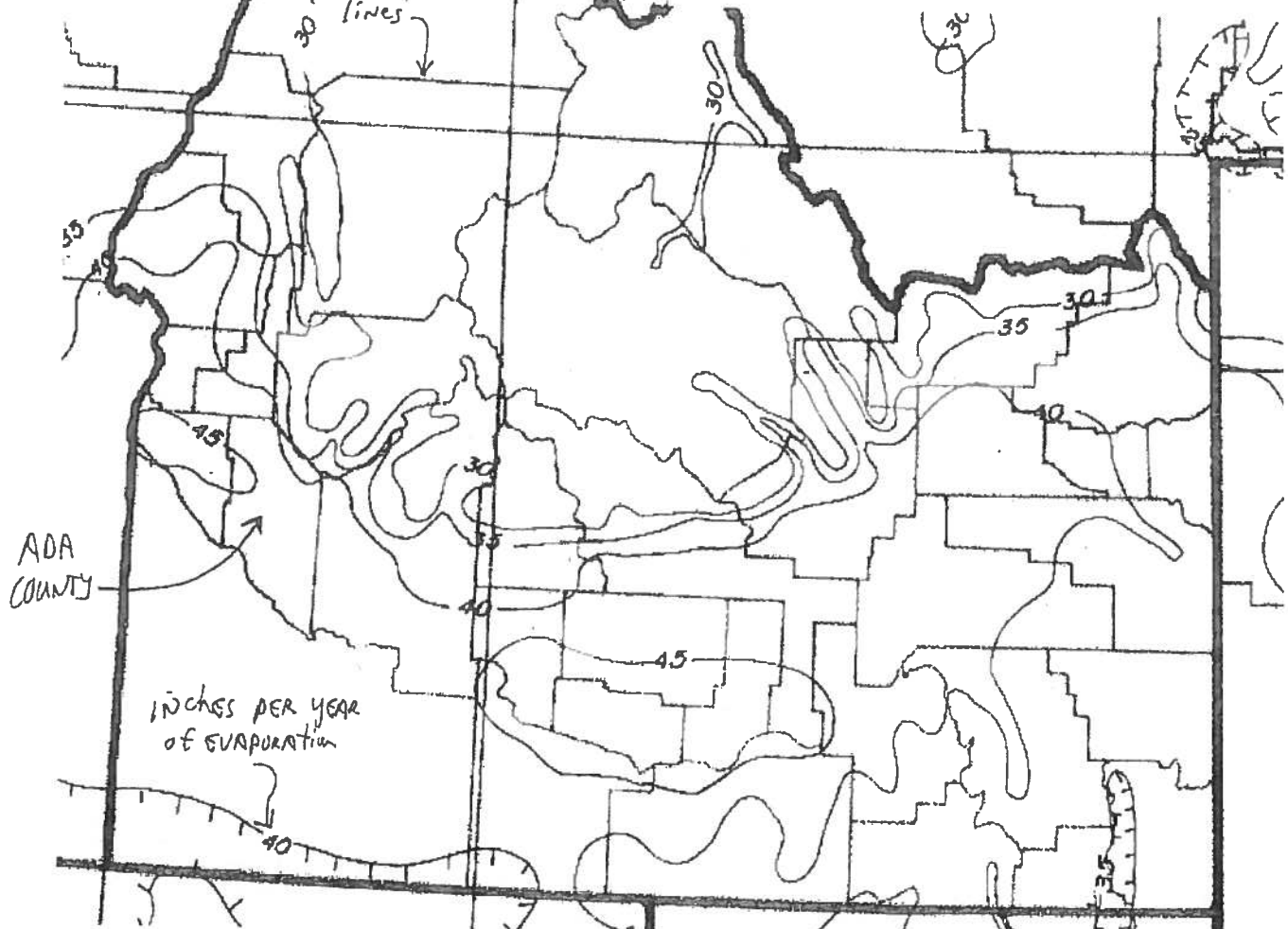
AF loss = $(42/12) \times 5 = 17.5$ AF

WR COVERAGE NEEDED = CAPACITY + LOSS

Need $50 + 17.5 = 67.5$ AF

http://snow.ag.uidaho.edu/publications/pond_evap/pond.html

(see map under "example of use", item #1)





State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

February 14, 2014

JOHN LAUDE
2358 S TITANIUM PLACE
MERIDIAN, ID 83642

Re: Application for Permit No. 63-33877

Dear Mr. Laude:

The application referenced above, that you submitted on November 27, 2013, has been assigned to me for review and processing. The application proposes 2.914 af from ground water for a "water feature" use. There are issues with the application that must be addressed before processing can continue.

Item 4 requires that the applicant state the uses, the quantity for each use, and the dates (not months) of the season of use. Elsewhere in the application you indicate a pond will be constructed. Examples of the beneficial storage uses associated with a pond are aesthetic, recreation, livestock or irrigation storage. The uses on the original application must be amended to reflect standard beneficial use terms, and the dates of the season of use.

Also, the Department must have a more detailed description of the pond and diversion system, including the pond dimensions (length, width, depth). How did you arrive at the 2.914 af volume? What is the pond capacity, the component for evaporation, and the component for refill?

I see from an aerial photo that your parcel is 6.5 acres. If you intend to irrigate more than 0.5 acres from the well, you must also apply for a water right for irrigation. You can include this use on your application for a pond, if you wish.

Item 8 requires the legal description for the place of use. The use codes are in the instructions, which can be downloaded from the website www.idwr.idaho.gov.

Item 10b. asks for the owner of the land to be irrigated or place of use must be answered. I think this was left answered due to a misreading of the question posed in item 10b.

Item 12 requires the time period, between 1 and 5 years, which the applicant will need to develop the uses and system in the application. It was left unanswered.

Application for Permit 63-33877
February 14, 2014
Page 2 of 2

Application amendments must be made on the original application, or you can submit a new application with an original signature. Alternately, you may seek additional time up to six months to provide the information. Please call me at 208.334.2190 by March 14, 2014 to set an appointment to amend the original application, or to seek more time. Failure to submit the information may result in the application being voided. Fees are not refunded for voided applications.

Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read "Vicky Music". The signature is fluid and cursive, with a large initial "V" and a stylized "M".

Vicky Music

Sr. Water Resource Agent