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AUG 14 2018
DEPARTMENT OF
WATER RESOURCES

August 10, 2018

Idaho Department of Water Resources
PO Box 83720
Boise, ID 83720-0098

Attn: Dan Nelson

*Subject: D & A Commercial Warehousing LLC
Permit No. 65-23753
Beneficial Use Field Report
Statement of Completion*

Dear Mr. Nelson,

Enclosed is a completed Beneficial Use Field Report for the above-referenced permit and signed Statement of Completion. If you would like digital shapefiles of the point of diversion or place of use, please let Lori Graves or me know and we will forward them to you.

Please let me know if you have any questions regarding these documents.

Sincerely,

A handwritten signature in blue ink that reads "Scott N. King". The signature is fluid and cursive, with the first name "Scott" and last name "King" clearly legible.

Scott N. King, P.E.
Supervising Engineer
CWRE No. 133

Enclosures

cc: D & A Commercial Warehousing LLC

File: 1362.0011

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

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DEPARTMENT OF
WATER RESOURCES

A Beneficial Use Field Report is prepared by a water right examiner as the result of an examination to clearly confirm and establish the extent of the beneficial use of water established in connection with a permit during the development period authorized by the permit and any extensions of time previously approved.

A. GENERAL INFORMATIONPermit No. 65-237531. Owner D & A Commercial Warehousing LLCPhone No. 208-529-0891Current address PO Box 51092, 6261 S Doug Andrus Dr, Idaho Falls, 834022. Examiner's name Scott N. KingEXAM DATE 8/2/20183. Accompanied by Steve HixEmail shix@idahopackage.comAddress 3 Auto Drive, Fruitland, ID 83619Relationship to permit holder Warehouse sales employeePhone No. 208-724-47764. Source Ground Water

tributary to _____

B. OVERLAP REVIEW1. Other water rights with the same place of use None used. w/in boundary of Fruitland, Farmers Coop and Lake Res2. Other water rights with the same source and point of diversion None**C. DIVERSION AND DELIVERY SYSTEM**

1. Point(s) of Diversion:

Ident. No.	Gov't Lot	¼	¼	¼	Sec	Twp	Rge	County	Method of Determination/Remarks
1			NE	SW	2	7N	5W	Payette	GPS, On-site exam

2. Place(s) of Use:

Method of determination On-site exam, Aerial Imagery, GPS

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
7N	5W	2									C	C							

C = Commercial and Commercial Storage

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☐ see attached.

Scale: 1" = _____

- ☒ Copy of USGS Quadrangle attached showing location(s) of point(s) of diversion and place(s) of use (**required**)
☐ Aerial photo attached (required for irrigation of 10+ acres)
☒ Photo of diversion and system attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
D0077483	unknown	unk	unknown	unknown	unknown

*Code to correspond with no. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Portable Flowmeter	Ultrasonic	GE	PT878	7140	various	April 18, 2018

2. **Measurements:** _____
 Measured flow using portable ultrasonic flowmeter on pipe entering facility from well.

E. NARRATIVE/REMARKS/COMMENTS

Well constructed with 6-inch diameter casing is equipped with a submersible pump of unknown make, model and horsepower. The well supplies commercial use for a warehouse facility. Water facilities within the warehouse include: 4 bathrooms with one toilet and sink each; 4 drinking fountains; 1 shower; and 2 kitchen sinks. The facility currently has six employees and operates 5 days per week. Per-employee water use of 15 gpd is based on IDWR guidelines for workers. The well was also used to fill a 210,000-gallon fire storage tank. A large fire pump draws from the tank to supply the warehouse's fire suppression sprinkling system. The fire pump is tested monthly with the water being recirculated back to the tank so that the tank remains full and does not need to be refilled by well water. If the fire suppression system was activated, the well would be used to refill the storage tank.

Flow was measured with an ultrasonic flowmeter on 2-inch poly pipe entering the fire room from the well. The fire room is equipped with a pressure tank with pressure set points of approximately 43 and 62 psi for pump on and off, respectively. With all water faucets on (sinks and showers), the pump cycled between low and high pressure set points and would not remain on for a valid 10-minute flow test. This examiner observed pumping flow rates of 20 gpm when the pump turned on at 43 psi, 19.5 gpm at 57 psi, and about 19 gpm at 62 psi when the pump turned off. In order to obtain a valid 10-minute average test, a garden hose was connected to a faucet in the fire room and discharged outside yielding a constant flow rate average 21.4 gpm at 27 psi.

Has the permit holder met all conditions of permit approval, including any mitigation requirements and/or measuring device installation requirements? ☒ Yes ☐ No If no, what must be done to meet the permit requirements?

F. FLOW CALCULATIONS☒ Additional computation sheets attached

Measured Method:

Discharge of 21.4 gpm (0.05 cfs) measured with ultrasonic flowmeter over a 10-minute period.

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

 $V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ _____ $V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$ _____ $V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$ _____

2. Volume Calculations for Other Uses:

Commercial Volume:

15 gpd per employee x 6 employees x 5 days per week x 52 weeks per year / 325,850 gal per af = 0.07 afa

Storage:

210,000 gallon tank / 325,850 gal per af = 0.64 af

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Commercial	1/1	12/31	0.04	0.07
Diversion to Storage	1/1	12/31	0.04	
Fire Protection Storage	1/1	12/31		0.64
Fire Protection from Storage	1/1	12/31		0.64
Totals:			0.04	0.71

2. Recommended Amendments

☐ Change P.D. as reflected on page 1☐ Add P.D. as reflected on page 1☒ None☐ Change P.U. as reflected on page 1☐ Add P.U. as reflected on page 1☐ Other**I. AUTHENTICATION**

Field Examiner's Signature

*Scott N. King*Date 8-10-2018

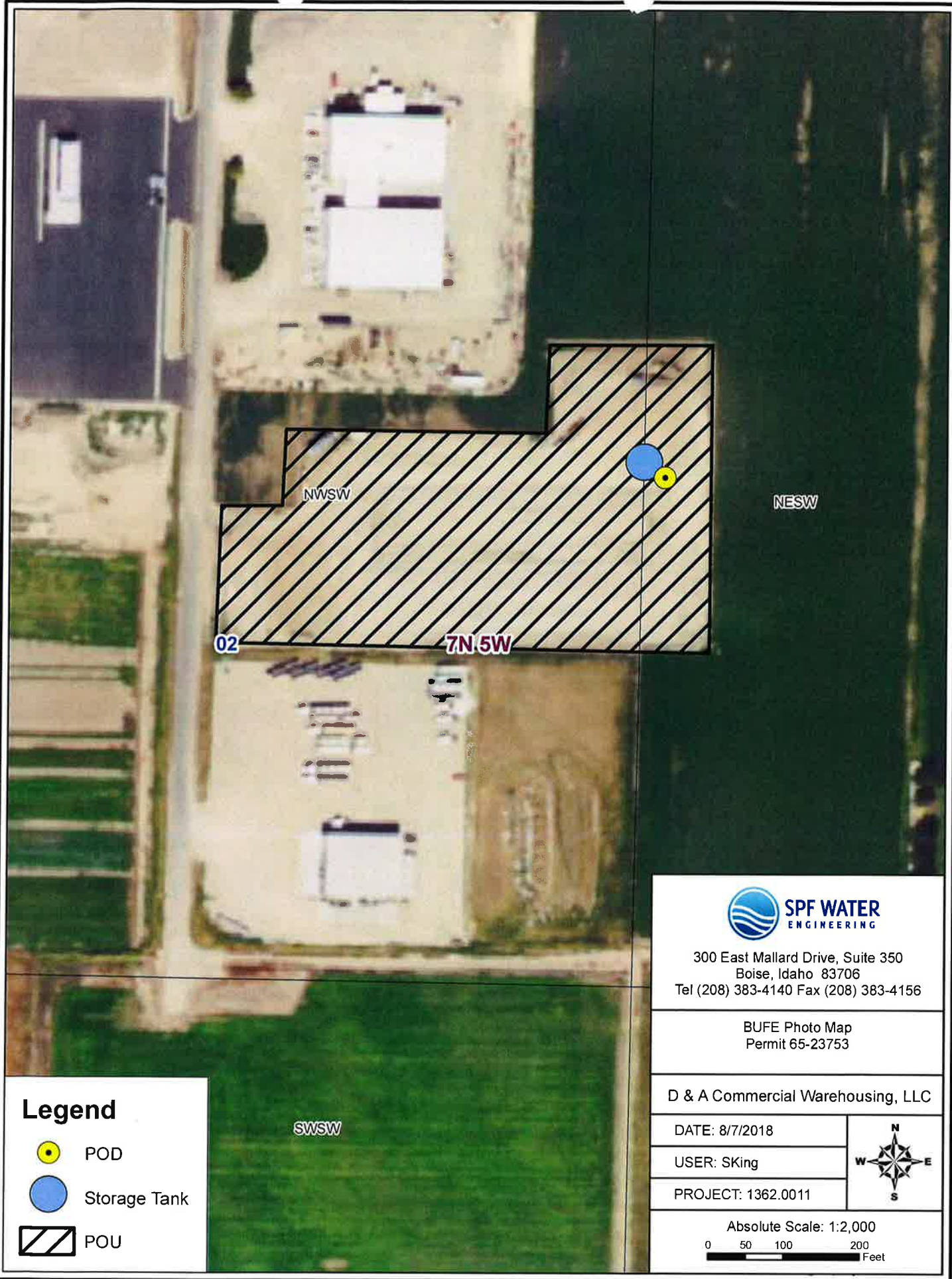
Reviewer _____

Date _____

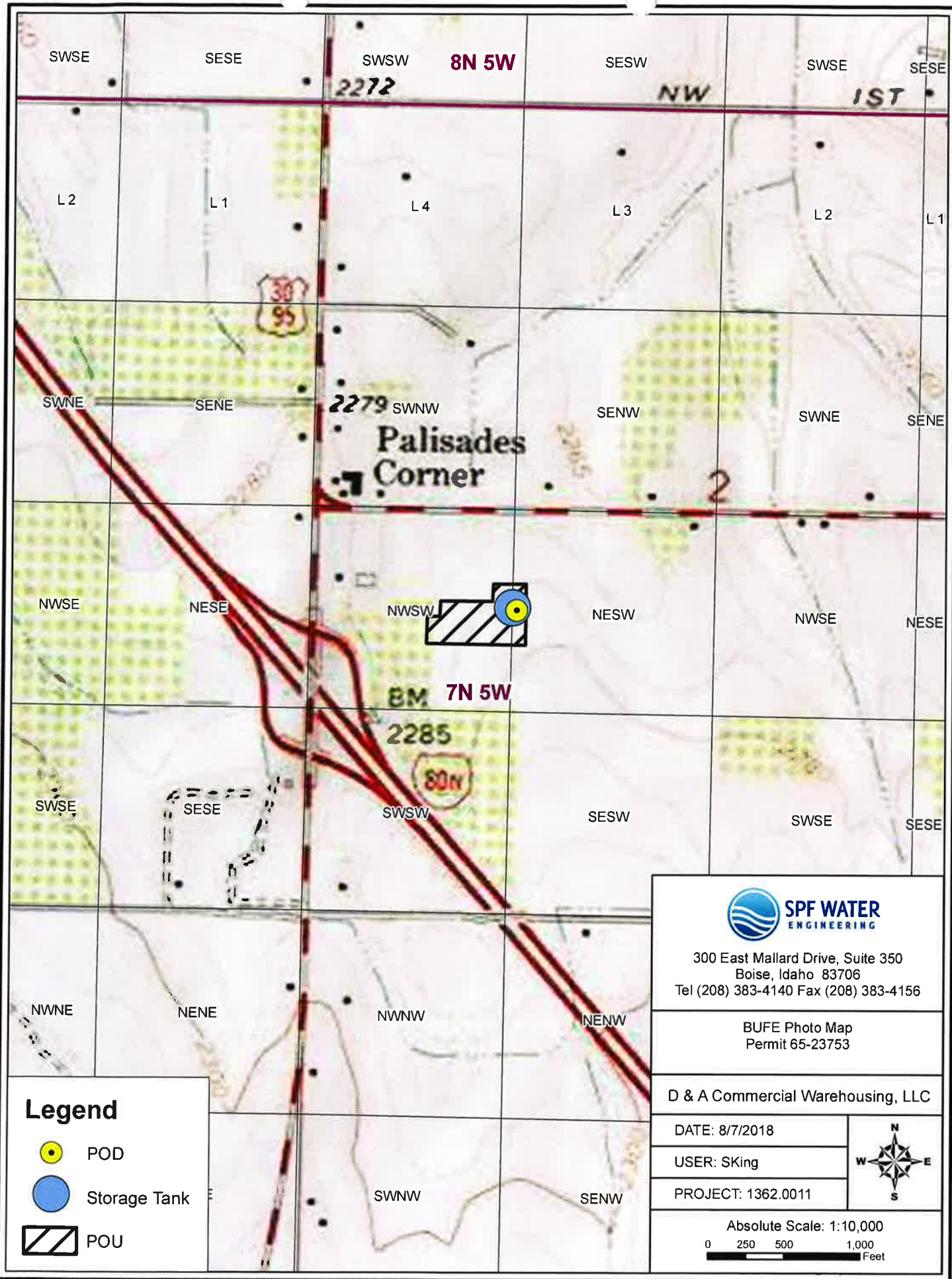


Attachment A
Field Exam Map

Path: S:\PROJECTS\1362\13620011_Permit 65-23753 BUFE\PROJECT\GIS\AerialMap_Projects\BUFE Photo Map.mxd



Path: S:\PROJECTS\Irru Z Projects\IT Projects\Tait & Associates_13620011_Permit 65-23753 BUFE\PROJECT\GIS\ArcMap_Projects\BUFE Quad Map.mxd



Attachment B

System Components and Diagrams

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

1. WELL TAG NO. D 0074483
Drilling Permit No. 885142
Water right or injection well # _____

2. OWNER:

Name D & A Commercial Warehouse
Address 3 Auto Drive
City Fruitland State ID Zip 83619

3. WELL LOCATION:

Twp. 7 North ☒ or South ☐ Rge. 5 East ☐ or West ☒
Sec. 2 NE 1/4 SW 1/4 1/4

Gov't Lot _____ County Payette
Lat. 43 ° 58.365 (Deg. and Decimal minutes)
Long. 116 ° 54.533 (Deg. and Decimal minutes)
Address of Well Site 3 Auto Drive City Fruitland

(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:

☒ 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 ft ³)	Placement method/procedure
5/8 Chip	0	38	950	Poured
3/8 Chip	66	71	150	Poured

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing Liner	Threaded	Welded
6	+2	138	.250	Steel	☒	☐	☒
					☐	☐	☐
					☐	☐	☐
					☐	☐	☐

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 138

9. PERFORATIONS/SCREENS:

Perforations ☐ Y ☐ N Method NA

Manufactured screen ☐ Y ☐ N Type _____

Method of installation _____

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule

Length of Headpipe _____ Length of Tailpipe _____

Packer ☐ Y ☐ N Type _____

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs 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) 39 Static water level (ft) 42

Water temp. (°F) 104 Bottom hole temp. (°F) _____

Describe access port _____

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)	Pump	Bailer	Air	Flowing artesian
120	60	6 Hrs	☐	☐	☒	☐
10	25	2 Hrs	☒	☐	☐	☐

Water quality test of 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	Gravel Backfill		
10	2	15	Brown Clay		
10	15	38	Silty Tan Clay		
6	38	39	Silty Tan Clay		
6	39	64	Gravel	X	
6	64	66	Tan Clay		
10	66	71	Sticky Blue Clay		
6	71	87	Sticky Blue Clay		
6	87	93	S. Hy Blue Clay		
6	93	107	Sticky Blue Clay		
6	107	109	Fine Blue Sand	X	
6	109	144	Sticky Blue Clay		
6	144	149	Fine Blue Sand	X	
6	149	155	Sticky Blue Clay		
6	155	157	Fine Blue Sand	X	
6	157		Blue Clay		

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WATER RESOURCES
WESTERN REGION

Completed Depth (Measurable): 148

Date Started: 2-15-18 Date Completed: 2-20-18

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 Treasure Valley Drilling No. 5600

*Principal Driller [Signature] Date 3-10-18

*Driller [Signature] Date 2-21-18

*Operator II _____ Date _____

Operator I _____ Date _____

* Signature of Principal Driller and rig operator are required.

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JUN 07 2018

WATER RESOURCES
WESTERN REGION

Thursday, July 27, 2017

TCG Quote #: 70705

Bateman-Hall
1405 Foote Drive
Idaho Falls, ID 83402

RE: 210,000 Fire Protection Tank, Fruitland, ID

ATTN: Mr. Richard Stephenson



Richard,

TCG is pleased to offer our proposal for a 210,000 gallon Fire Water Tank, manufactured by Tank Connection, utilizing bolted-steel construction with TC's LIQ Fusion 8000 FBE. (fusion bonded epoxy) coating system. Our offering includes NFPA-22 design requirements and appurtenances. Please review the following pages for details and pricing:

Respectfully,

Kenny Wade

Kenny Wade
TCG, A Corporation of Idaho
10063 W. Lillywood Dr.
Boise, ID 83709
M. (208) 922-8631
E. kwade@thecoregroup.company
W. www.tankconnection.com

Represented by:

Ryan Spanton
Goble Sampson Associates
3500 S. Main St., Suite 200
Salt Lake City, Utah 84115
(801) 268-8790
rspanton@goblesampson.com

Attachment C
Flow Rate and Volume Calculations

Permit: 65-23753
 Owner: D & A Commercial Warehouseing LLC
 Site Name: Production Well
 POD Location: 07N 05W 2 NESW
 Tag No: D0077483
 Meter: GE TransPort PT878
 Type: Portable Ultrasonic Time Flight Liquid Flow Meter
 Serial Number: 7140
 Calibration Date: April 18, 2018
 Operator: Scott King

Date/Time	Volume (gal/m)	(+)Total (gal)	(-)Total (gal)	Error #
8/2/2018 14:40	21.3	230	0.0	0
8/2/2018 14:41	21.3	252	0.0	0
8/2/2018 14:42	21.3	273	0.0	0
8/2/2018 14:43	21.3	295	0.0	0
8/2/2018 14:44	21.3	316	0.0	0
8/2/2018 14:45	21.3	338	0.0	0
8/2/2018 14:46	21.3	358	0.0	0
8/2/2018 14:47	21.3	379	0.0	0
8/2/2018 14:48	21.3	400	0.0	0
8/2/2018 14:49	21.3	423	0.0	0
8/2/2018 14:50	21.0	444	0.0	0

Time	10 minutes
Volume	214 gallons
Rate	21 gpm
Rate	0.05 cfs

Attachment D
Exam Photos

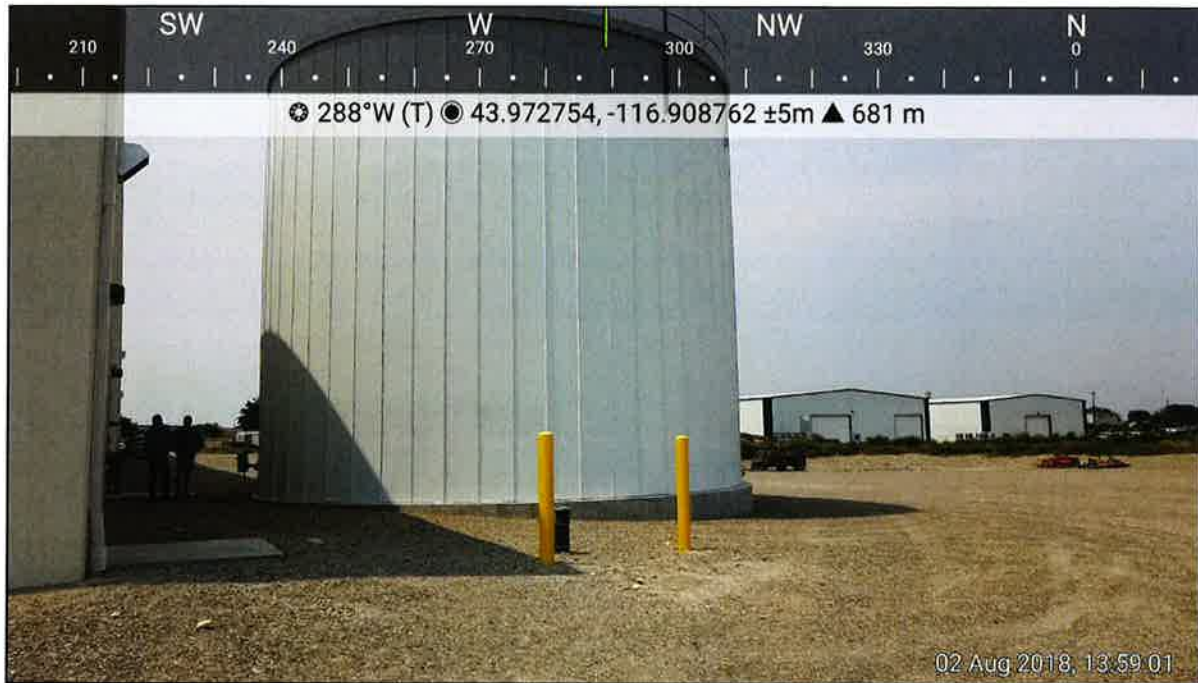


Figure 1: Well and storage tank.

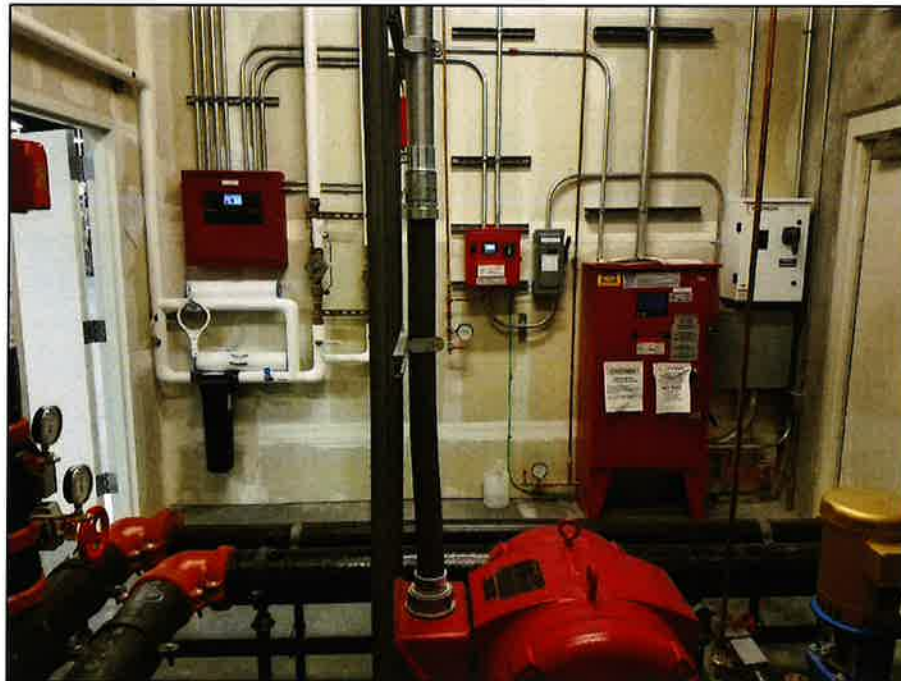


Figure 2: Pump controls, fire pump.



Figure 3: Flowmeter transducers mounted on 2-inch plastic pipe entering facility from well.