

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

MAY 28 2015

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. 63-321031. Owner Sorrento Lactalis, Inc.Phone No. 208-467-6674Current address PO Box 1280, Nampa, ID 83653-12802. Examiner's name Terry Scanlan, P.E. (Examiner 15-129)EXAM DATE May 15, 20153. Accompanied by Nathan HelsleyEmail nathan.helsley@Lactalis.usAddress same as aboveRelationship to permit holder Water System Operator

Phone No. _____

4. Source Ground Water

tributary to _____

B. OVERLAP REVIEW1. Other water rights with the same place of use 63-316282. Other water rights with the same source and point of diversion 63-31628**C. DIVERSION AND DELIVERY SYSTEM**

1. Point(s) of Diversion:

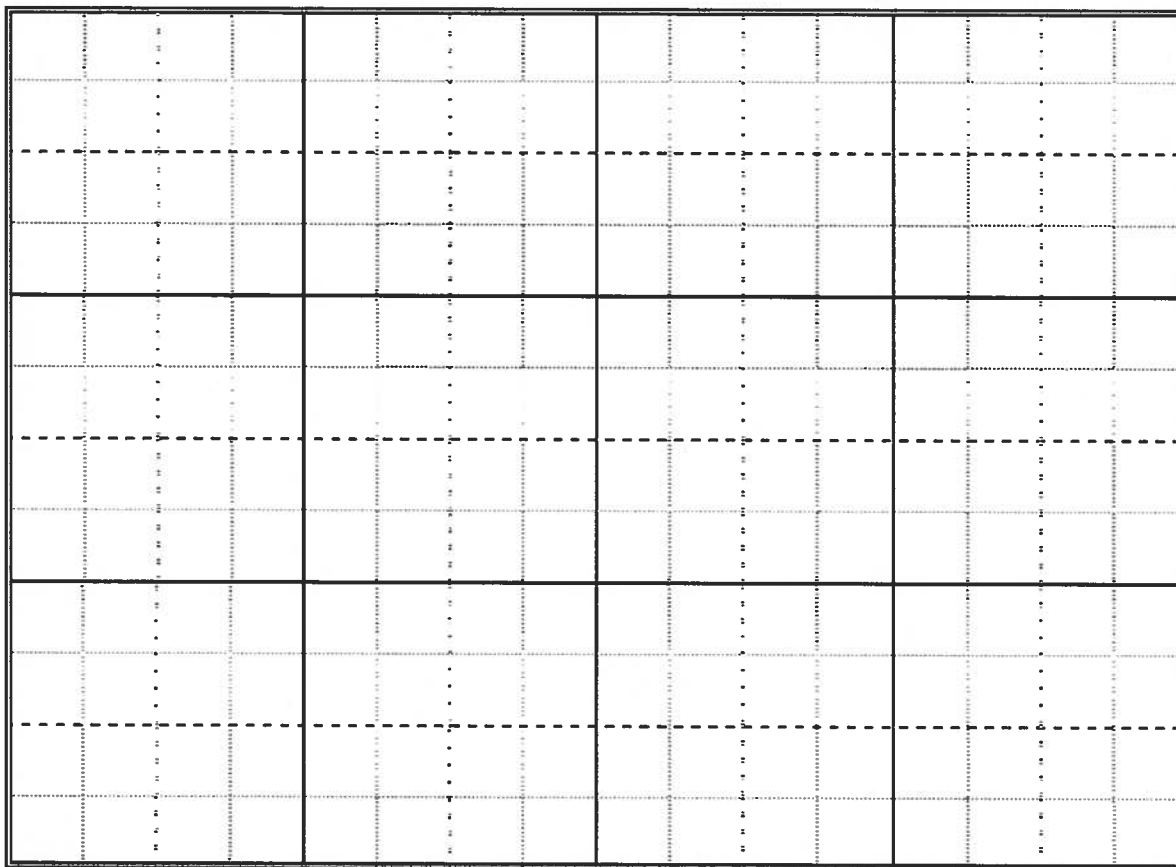
Ident. No.	Gov't Lot	¼	¼	¼	Sec	Twp	Rge	County	Method of Determination/Remarks
Well 1			SW	SW	8	3N	1W	Canyon	Exam, 63-11047 BUFE
Well 2			SW	SW	8	3N	1W	Canyon	Exam, 2013 aerial photo

2. Place(s) of Use:

Method of determination Exam, 2013 aerial photo

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	1W	8											X						

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
Well 1 (1972)	Hitachi w/AB vfd	40	submersible	Berkeley 7T450	4-inch, 87-foot setting depth
Well 2 (2007)	submersible	50	submersible	Berkeley 8T950	6-inch

*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
Well 1 Flowmeter	Propeller	McCromet		93-4-8605	4-inch	2/15/2006?
Well 2 Flowmeter	Mag	Siemens	FM mag 5100	134601U134	6-inch	2014

2. **Measurements:** _____

Well 1 was not valved into the system at the time of the field exam. The pump was operated and pumped to waste, with flow not discharging through the flow meter. Well 2 was operating at 985-989 gpm at 30 psi discharge pressure. Wastewater flow rate to the Purdam drain was 420 gpm measured at WWTP with 12-inch Siemens mag meter.

E. NARRATIVE/REMARKS/COMMENTS

Total diversion of 1.6 cfs and 516 afa (1.6 cfs and 400 afa for commercial uses; 0.5 cfs and 116 afa for irrigation use) is currently authorized under decreed water right 63-31628 from Wells 1 & 2.

Well 1 is an 8-inch well drilled in 1972 and was formerly equipped with a 15 hp submersible pump. The Department determined the capacity of this well at 0.68 cfs during a 1993 licensing exam for water right 63-11047 (parent right of 63-31628). The well has since been upgraded with a 40-hp submersible pump (Berkeley 7T40-450, 580 gpm at 160' TDH). It is used as a backup supply. Well 2 is a 12-inch well drilled in 2007 and equipped with a 50-hp submersible pump. Water is diverted from the wells to two 40,000-gallon storage tanks, and then boosted for use within the cheese plant. Plant wastewater flows to a wastewater treatment plant, for discharge to either the Purdham Drain or to the wastewater land application area.

The permit holder monitors ground water use on a daily basis, and annual use is summarized in Attachment D. Total annual commercial ground water diverted during the permit development period reached a maximum of 842.3 af in 2013. Because 1.6 cfs and 400 afa for commercial use are currently authorized under right 63-31628, an additional 1.0 cfs and 442.3 af can be considered developed under permit 63-32103. In compliance with the permit's mitigation requirement, all of the spent commercial ground water developed under the permit is treated and discharged to the Purdam Gulch Drain. Monitoring data for 2013 indicates 706.2 AF effluent was treated and discharged to the drain, which exceeds the volume required for discharge under 63-32103.

When combined, water rights 63-31628 and 63-32103 are limited to diversion of 2.6 cfs and 842.3 afa.

Attachment A: permit and proof of beneficial use

Attachment B: well driller's reports

Attachment C: system diagram and as-built plans

Attachment D: flow monitoring annual summary (2010 through 2014)

Attachment E: topographical map and aerial photo

Attachment F: field exam photos

Attachment G: January 15, 2007 request to change water-bearing zone.

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?

Condition 5. Water bearing zone to be appropriated is from 50 to 300 feet depth

Condition 7. Diversion under this right shall be no deeper than the blue clay layer located approximately 290 to 300 feet below ground surface.

During drilling, it was determined that the blue clay layer was below the drilled depth of 324 feet. Sorrento (by email and letter from SPF Water Engineering dated January 15, 2007, Attachment G) requested that the water-bearing zone be extended to 320 feet. The permit should be amended to show this, as the well depth meets the intent of the permit (i.e., diverting from above the blue clay layer).

F. FLOW CALCULATIONS☐ Additional computation sheets attached

Measured Method:

Well No. 1 - previous field exam measurement of 0.68 cfs. (Theoretical capacity with current 40-hp pump is approximately 1.3 cfs.)

Well No. 2 Flow Meter = 989 gpm = 2.20 cfs

Total measured diversion capacity = 0.68 cfs + 2.20 cfs = 2.88 cfs

Total theoretical diversion capacity = 1.5 cfs + 2.2 cfs = 3.5 cfs

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:

Total volume diverted for industrial use in 2013 was 842.3 acre feet, of which 400 acre feet is diverted under water right 63-31628 and the balance (442.3 acre feet) was diverted under permit 63-32103.

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use From To		Rate of Diversion Q (cfs)	Annual Volume V (afa)
Commercial	1/1	12/31	1.0 cfs	442.3 afa
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
Totals:			1.0 cfs	442.3 afa

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

Change water-bearing zone

I. AUTHENTICATION

Field Examiner's Signature

Terry M. Scanlan

Date

5/26/2015

Reviewer _____

Date _____



ATTACHMENT A

PERMIT RECORD AND PROOF OF BENEFICIAL USE

State of Idaho
Department of Water Resources
Permit to Appropriate Water

NO. 63-32103

Priority: April 20, 2004

Maximum Diversion Rate: 1.00 CFS

This is to certify, that **SORRENTO LACTALIS INC**
PO BOX 1280
NAMPA ID 83653

has applied for a permit to appropriate water from:

Source: GROUND WATER

and a permit is APPROVED for development of water as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>
COMMERCIAL	01/01 to 12/31	1.00 CFS

LOCATION OF POINTS OF DIVERSION:

GROUND WATER	SW $\frac{1}{4}$ SW $\frac{1}{4}$	Sec. 8, Twp 03N, Rge 01W, B.M., CANYON County
GROUND WATER	SW $\frac{1}{4}$ SW $\frac{1}{4}$	Sec. 8, Twp 03N, Rge 01W, B.M., CANYON County

PLACE OF USE: COMMERCIAL

Twp Rge Sec	NE				NW				SW				SE				
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
03N 01W 8										X	X						

CONDITIONS OF APPROVAL

1. Proof of application of water to beneficial use shall be submitted on or before **June 01, 2010**.
2. Subject to all prior water rights.
3. Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which the permit holder had no control.
4. Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code and applicable Well Construction Rules of the Department.
5. Water bearing zone to be appropriated is from 50 to 300 feet.
6. This right does not grant any right-of-way or easement across the land of another.
7. The well(s) constructed and used as point(s) of diversion for this right shall be no deeper than the blue clay layer located approximately 290 to 300 feet below ground surface .
8. Use of water under this right shall be non-consumptive.
9. Water diverted and used under this right shall be discharged into the Purdam Gulch Drain.
10. If the right holder cannot continue to discharge all the water diverted under this right into the Purdam Gulch Drain for any reason, the right holder shall cease diverting water under this right until the right holder implements an alternative mitigation plan that has been reviewed and accepted by the Department.

State of Idaho
Department of Water Resources
Permit to Appropriate Water
NO. 63-32103

11. Prior to diversion of water under this right, the right holder shall provide a means acceptable to the Department to measure and record the amount of ground water diverted in connection with this right and the amount of water being released from the commercial facility into Purdam Gulch Drain. The right holder shall measure and record the entire volume of water diverted under this right and the entire volume of water discharged to the Purdam Gulch Drain and shall make the records available to the Department for inspection at any time.
12. Prior to the diversion and use of water under this approval, the right holder shall comply with applicable water quality standards of the Department of Environmental Quality.
13. Commercial use is for a cheese making process.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code. Witness the signature of the Director, affixed at Boise, this 23rd day of June, 2005.


FOR KARL J DREHER, Director

ATTACHMENT B
WELL DRILLERS REPORTS

USE TYPEWRITER OR
BALL POINT PEN

State of Idaho
Department of Reclamation

Well No. 1

WELL DRILLER'S REPORT

RECEIVED
JUN 16 1972

State law requires that this report be filed with the State Reclamation Engineer
within 30 days after completion or abandonment of the well.

1. WELL OWNER Name <u>SWISS CHEESE, INC.</u> Address <u>PAUL A. BROG. R# 2 NAMPA, IDAHO</u> Owner's Permit No. <u>384-2215</u>		7. WATER LEVEL Department of Water Administration Static water level <u> </u> feet below land surface Flowing? ☒ Yes ☐ No G.P.M. flow <u>70</u> Temperature <u>68</u> ° F. Quality <u>10 GRAINS</u> Artesian closed-in pressure <u>5</u> p.s.i. Controlled by ☒ Valve ☒ Cap ☐ Plug																																																																																																																																																					
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe method of abandoning)		8. WELL TEST DATA ☐ Pump ☐ Bailer ☐ Other Discharge G.P.M. <u>200</u> Draw Down <u>20</u> Hours Pumped <u>3</u>																																																																																																																																																					
3. PROPOSED USE ☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal ☒ Industrial ☐ Stock		9. LITHOLOGIC LOG 31947																																																																																																																																																					
4. METHOD DRILLED ☒ Cable ☐ Rotary ☐ Dug ☐ Other		<table border="1"><thead><tr><th rowspan="2">Hole Diam.</th><th colspan="2">Depth</th><th rowspan="2">Material</th><th colspan="2">Water</th></tr><tr><th>From</th><th>To</th><th>Yes</th><th>No</th></tr></thead><tbody><tr><td>12</td><td>0</td><td>2</td><td>TOP SOIL</td><td></td><td></td></tr><tr><td>12</td><td>2</td><td>3</td><td>HARD PAN</td><td></td><td></td></tr><tr><td>12</td><td>3</td><td>10</td><td>SANDY CLAY</td><td></td><td></td></tr><tr><td>12</td><td>10</td><td>40</td><td>GRAVEL</td><td></td><td></td></tr><tr><td>8</td><td>40</td><td>75</td><td>SANDY CLAY</td><td></td><td></td></tr><tr><td>8</td><td>75</td><td>100</td><td>SAND YELLOW</td><td></td><td></td></tr><tr><td>"</td><td>100</td><td>137</td><td>SAND GRAVEL</td><td></td><td></td></tr><tr><td>"</td><td>137</td><td>143</td><td>GRAY SAND</td><td></td><td></td></tr><tr><td>"</td><td>143</td><td>155</td><td>YELLOW CLAY</td><td></td><td></td></tr><tr><td>"</td><td>155</td><td>160</td><td>FINE SAND</td><td></td><td></td></tr><tr><td>"</td><td>160</td><td>178</td><td>SANDY CLAY</td><td></td><td></td></tr><tr><td>"</td><td>178</td><td>188</td><td>CLAY</td><td></td><td></td></tr><tr><td>"</td><td>188</td><td>200</td><td>SANDY CLAY</td><td></td><td></td></tr><tr><td>"</td><td>200</td><td>210</td><td>SAND FINE</td><td></td><td></td></tr><tr><td>"</td><td>210</td><td>215</td><td>CLAY</td><td></td><td></td></tr><tr><td>"</td><td>215</td><td>237</td><td>SAND</td><td></td><td></td></tr><tr><td>"</td><td>237</td><td>240</td><td>CLAY STRINGERS</td><td></td><td></td></tr><tr><td>"</td><td>240</td><td>252</td><td>SAND COURSE</td><td></td><td></td></tr><tr><td>"</td><td>252</td><td>256</td><td>CLAY STICKY</td><td></td><td></td></tr><tr><td>"</td><td>256</td><td>280</td><td>MEDIUM SAND</td><td></td><td></td></tr><tr><td>"</td><td>280</td><td>290</td><td>FINE SAND</td><td></td><td></td></tr><tr><td>"</td><td>290</td><td>294</td><td>SANDY CLAY</td><td></td><td></td></tr><tr><td>"</td><td>294</td><td>301</td><td>BLUE CLAY</td><td></td><td></td></tr></tbody></table>		Hole Diam.	Depth		Material	Water		From	To	Yes	No	12	0	2	TOP SOIL			12	2	3	HARD PAN			12	3	10	SANDY CLAY			12	10	40	GRAVEL			8	40	75	SANDY CLAY			8	75	100	SAND YELLOW			"	100	137	SAND GRAVEL			"	137	143	GRAY SAND			"	143	155	YELLOW CLAY			"	155	160	FINE SAND			"	160	178	SANDY CLAY			"	178	188	CLAY			"	188	200	SANDY CLAY			"	200	210	SAND FINE			"	210	215	CLAY			"	215	237	SAND			"	237	240	CLAY STRINGERS			"	240	252	SAND COURSE			"	252	256	CLAY STICKY			"	256	280	MEDIUM SAND			"	280	290	FINE SAND			"	290	294	SANDY CLAY			"	294	301	BLUE CLAY		
Hole Diam.	Depth		Material		Water																																																																																																																																																		
	From	To		Yes	No																																																																																																																																																		
12	0	2	TOP SOIL																																																																																																																																																				
12	2	3	HARD PAN																																																																																																																																																				
12	3	10	SANDY CLAY																																																																																																																																																				
12	10	40	GRAVEL																																																																																																																																																				
8	40	75	SANDY CLAY																																																																																																																																																				
8	75	100	SAND YELLOW																																																																																																																																																				
"	100	137	SAND GRAVEL																																																																																																																																																				
"	137	143	GRAY SAND																																																																																																																																																				
"	143	155	YELLOW CLAY																																																																																																																																																				
"	155	160	FINE SAND																																																																																																																																																				
"	160	178	SANDY CLAY																																																																																																																																																				
"	178	188	CLAY																																																																																																																																																				
"	188	200	SANDY CLAY																																																																																																																																																				
"	200	210	SAND FINE																																																																																																																																																				
"	210	215	CLAY																																																																																																																																																				
"	215	237	SAND																																																																																																																																																				
"	237	240	CLAY STRINGERS																																																																																																																																																				
"	240	252	SAND COURSE																																																																																																																																																				
"	252	256	CLAY STICKY																																																																																																																																																				
"	256	280	MEDIUM SAND																																																																																																																																																				
"	280	290	FINE SAND																																																																																																																																																				
"	290	294	SANDY CLAY																																																																																																																																																				
"	294	301	BLUE CLAY																																																																																																																																																				
5. WELL CONSTRUCTION Diameter of hole <u>8</u> inches Total depth <u>301</u> feet Casing schedule: ☒ Steel ☐ Concrete Thickness <u>322</u> inches Diameter <u>8</u> inches From <u>0+4</u> feet To <u>265</u> feet <u>250</u> inches <u>6</u> inches <u>255</u> feet <u>265</u> feet <u>250</u> inches <u>6</u> inches <u>290</u> feet <u>301</u> feet Was a packer or seal used? ☒ Yes ☐ No Perforated? ☐ Yes ☐ No How perforated? ☐ Factory ☐ Knife ☐ Torch Size of perforation _____ inches by _____ inches Number _____ From _____ To _____ _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet Well screen installed? ☒ Yes ☐ No Manufacturer's name <u>JOHNSON</u> Type <u>STAINLESS</u> Model No. _____ Diameter <u>8</u> Slot size <u>25</u> Set from <u>265</u> feet to <u>280</u> feet Diameter <u>8</u> Slot size <u>15</u> Set from <u>280</u> feet to <u>290</u> feet Gravel packed? ☐ Yes ☒ No Size of gravel _____ Placed from _____ feet to _____ feet Surface seal? ☒ Yes ☐ No To what depth <u>22</u> feet Material used in seal ☒ Cement grout ☐ Puddling clay																																																																																																																																																							
6. LOCATION OF WELL Sketch map location must agree with written location. County <u>CANYON</u> <u>SW 1/4 SW 1/4 Sec. 8 T. 3 N. R. 1 E/W</u>		10. Work started <u>5/8/72</u> finished <u>6/15/72</u>																																																																																																																																																					
		11. DRILLER'S CERTIFICATION This well was drilled under my supervision and this report is true to the best of my knowledge. <u>WILL AND SON'S</u> <u>55</u> Driller's or Firm's Name Number <u>CALDWELL, IDAHO</u> Address <u>Kenneth Witt</u> <u>6/15/72</u> Signed By Date																																																																																																																																																					

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE, BLUE, AND PINK COPIES TO THE DEPARTMENT

Form 238-7
6/02IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT1. WELL TAG NO. D 0047727
DRILLING PERMIT NO. 898094-844821
Water Right or Injection Well No. 63-32103, 63-31628

2. OWNER:

Name SORRENTO LACTALIS, INC.
Address P.O. Box 1280
City NAMPA State ID Zip 83653

3. LOCATION OF WELL by legal description:

You must provide address or Lot, Blk, Sub. or Directions to well.

Twp. 3 North ☒ or South ☐
Rge. 1 East ☐ or West ☒
Sec. 8 1/4 SW 1/4 SW 1/4
Gov't Lot _____
County CANYONLat: 43° 36' 19.12" Long: 116° 29' 25.29"
Address of Well Site APPRX. 100' NORTH OF FRANKLIN RD
800' EAST OF STAR RD City NAMPA
(Give at least name of road + Distance to Road or Landmark)

L1. Blk. Sub. Name

SORRENTO LACTALIS FACTORY

4. USE:

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

5. TYPE OF WORK check all that apply

(Replacement etc.)

☒ New Well ☐ Modify ☐ Abandonment ☐ Other

6. DRILL METHOD:

☐ Air Rotary ☐ Cable ☐ Mud Rotary ☒ Other REVERSE

7. SEALING PROCEDURES

Seal Material	From	To	Weight / Volume	Seal Placement Method
BENTONITE	0	230	20,000	DRY POUR
BENTONITE	318	324	2,000	DRY POUR

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s)Was drive shoe seal tested? ☐ Y ☐ N How?8. CASING/LINER: 12" X 8" REDUCER @ 230'

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
12	+3	230	.375	Steel	☒	☐	☒	☐
8	230	252	.325	Steel	☒	☐	☒	☐
8	262	270	.325	Steel	☒	☐	☒	☐
8	270	298	.325	Steel	☒	☐	☒	☐

Length of Taper Pipe _____ Length of Taper Pipe _____

Packer ☐ Y ☒ N Type _____

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method _____

Screen Type & Method of Installation JOHNSON WIRE WRAP

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
252	262	.030		8	S.S.	☒	☐
270	290	.030		8	S.S.	☒	☐
298	318	.030		8	S.S.	☒	☐

10. FILTER PACK

Filter Material	From	To	Weight / Volume	Placement Method
8-12 SAND	230	318	24,000	DRY POUR

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

0 ft. below ground Artesian pressure _____ lb.

Depth flow encountered _____ ft. Describe access port or control devices:

12" FLANGE W/ 8" FLANGE ONE FOOT
BELOW UPPER FLANGE

12. WELL TESTS:

☒ Pump ☐ Bailor ☐ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
1400 gpm	70	70	7 hrs

Water Temp. _____

Bottom hole temp _____

Water Quality test or comments: _____

Depth first Water Encounter _____

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Water

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
21"	0	7	TOP SOIL		
	7	49	SAND, RIVER GRAVELS		
	49	63	FINE-MED SAND		
	63	64	CLAY		
	64	84	MED-COARSE SAND		
	84	127	COARSE SAND, PEA GRAVEL		
	127	134	CLAY		
	134	152	CLAY w/ sm SAND STREAK		
	152	156	FINE SAND		
	156	164	CLAY		
	164	181	FINE SAND		
	181	214	CLAY		
	214	217	SAND		
	217	235	SANDY CLAY		
	235	238	MED-COARSE SAND		
	238	252	STICKY CLAY		
	252	262	COARSE SAND		
	262	269	CLAY		
	269	290	FINE-COARSE SAND		
	290	298	BEN CLAY		
	298	318	FINE-COARSE SAND		
	318	320	BEN CLAY		
	320	324	MED-COARSE SAND		

RECEIVED

MAR 30 2007

WATER RESOURCES
WESTERN REGIONCompleted Depth 318' (Measurable)Date Started 1/11/07 Completed 2/26/07

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 RIVERSIDE INC Firm No 333Principal Driller Jeff Anderson Date 3/20/07and Driller or Operator II Jeff Anderson Date 3/20/07

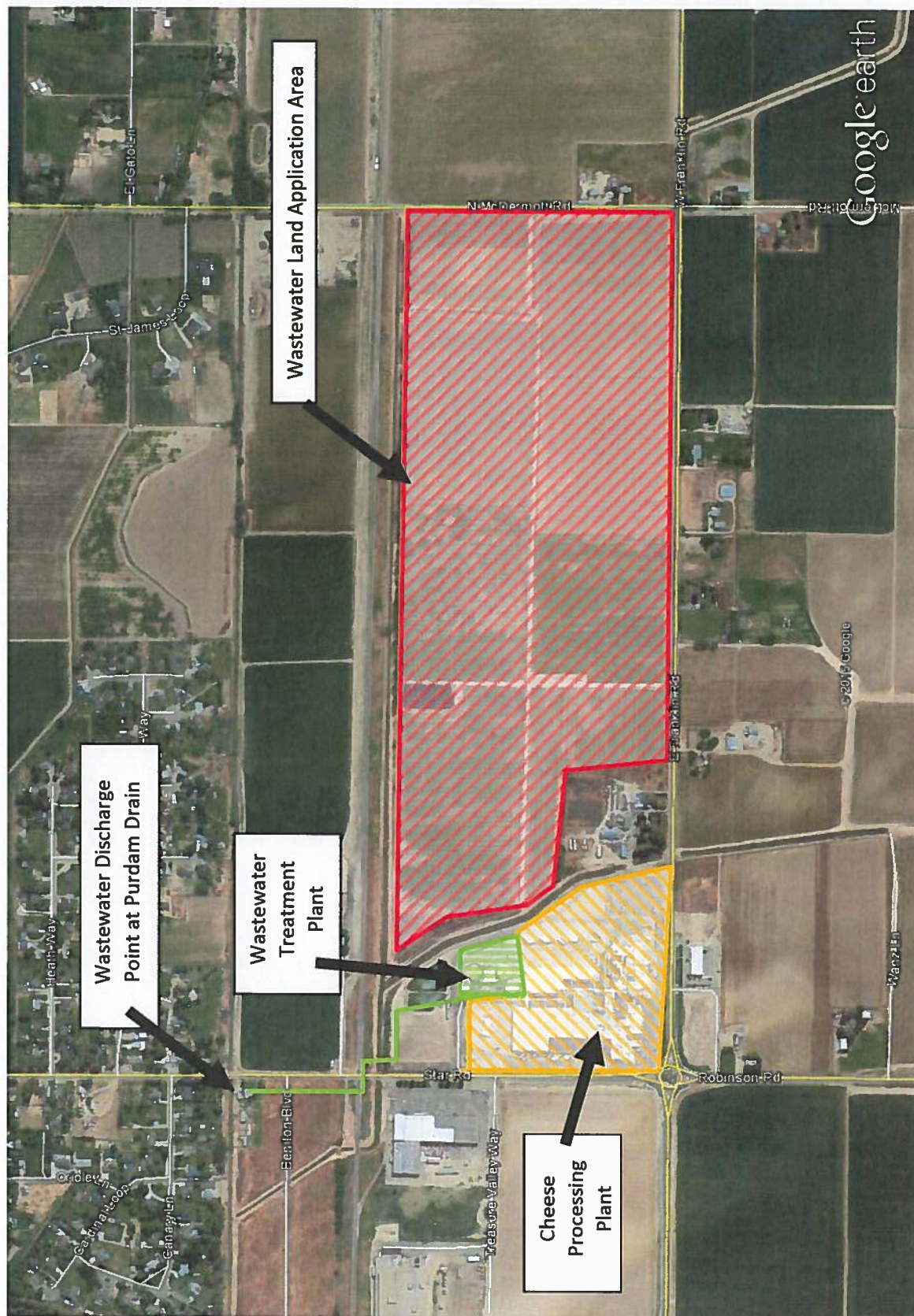
Operator I _____ Date _____

Principal Driller and Rig Operator Required.
Operator I must have signature of Driller/Operator II.

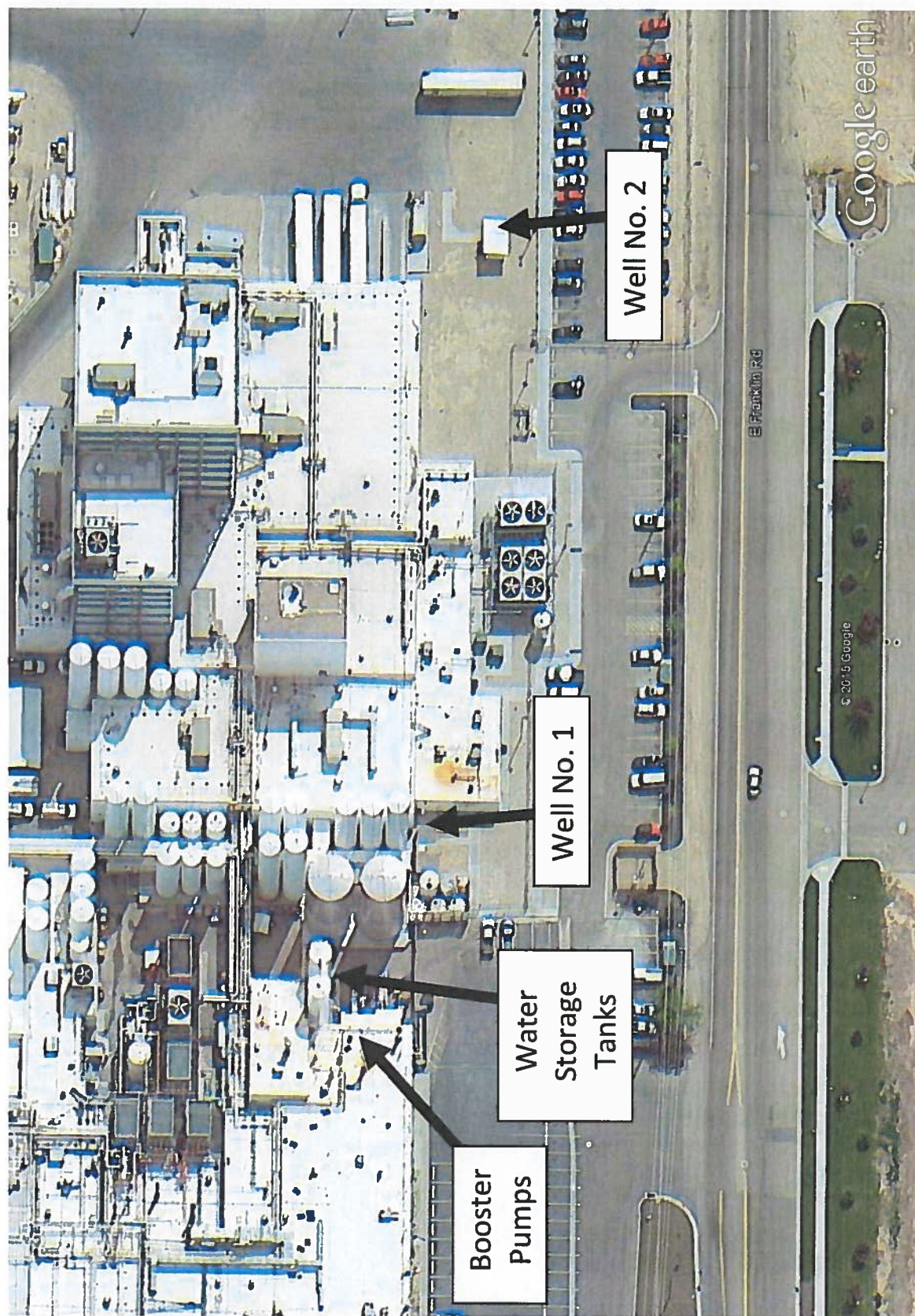
FORWARD WHITE COPY TO WATER RESOURCES

ATTACHMENT C

SYSTEM DIAGRAM AND AS-BUILT PLANS



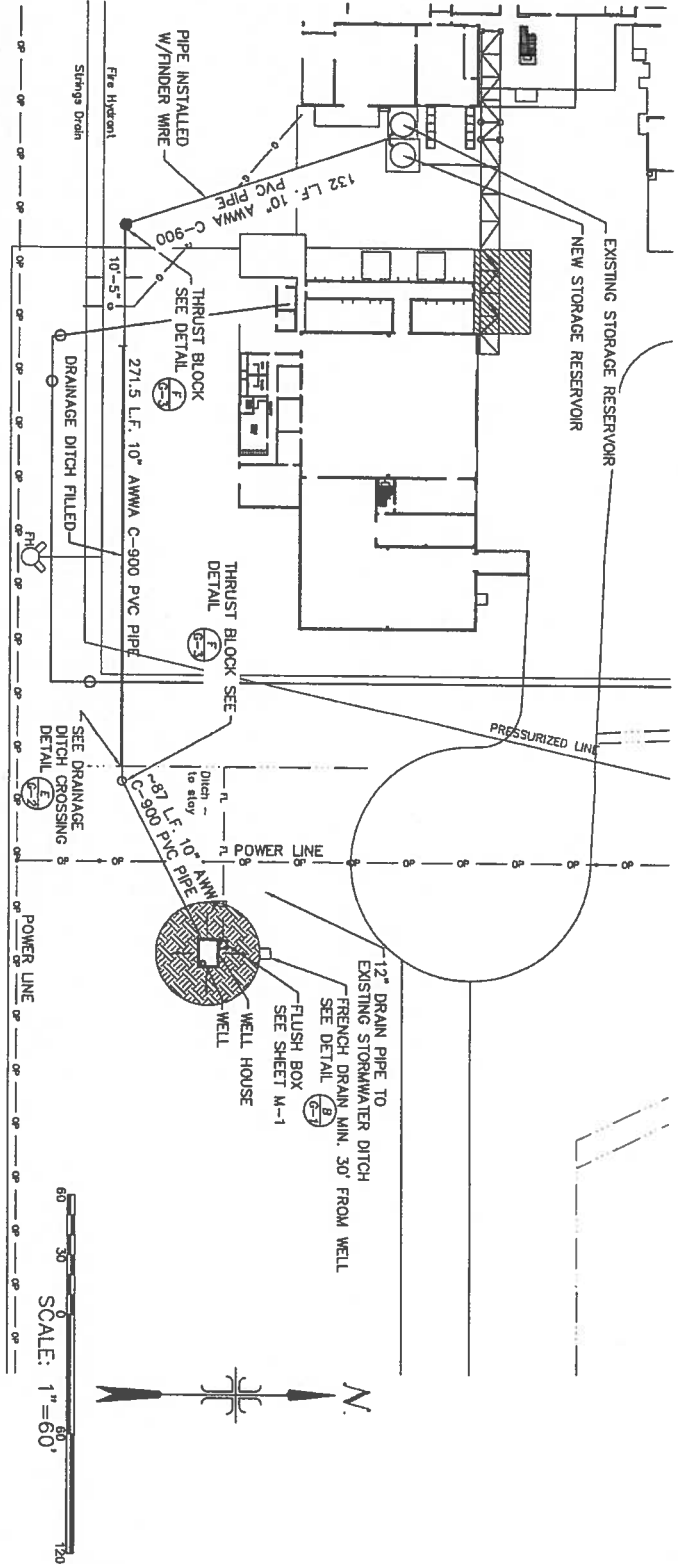
Sorrento Lactalis – Nampa Plant



Sorrento Lactalis – Nampa Plant Water Supply Facilities

1. THE UNDERGROUND PIPING SHALL BE 10-INCH AWWA C-900 PVC RATED AT 150psi.
2. BEFORE THE PIPELINE IS PLACED IN SERVICE AND BEFORE CERTIFICATION OF COMPLETION BY THE ENGINEER, ALL NEW PIPE INSTALLED SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA C651-92, "DISINFECTING WATER MAINS", OR TO THE SATISFACTION OF THE ENGINEER.
3. THE PIPELINE SHALL BE HYDROSTATICALLY TESTED MEETING AWWA SPECIFICATION C900-97.
4. PIPE SHALL BE INSTALLED AS SHOWN IN DETAIL A ON SHEET G-1.
5. PIPE BEDDING MATERIAL SHALL BE PITRMAN SAND, CLEAN PEA GRAVEL, OR CRUSHED ROCK WITH A MAXIMUM SIZE OF 3/4", UNIFORMLY GRADED FROM COARSE TO FINE.
6. SELECT BACKFILL MATERIAL IN THE PIPE ZONE SHALL CONTAIN NO PIECE OF MATERIAL LARGER THAN 3/4" INCH.
7. AFTER INITIAL BACKFILL, TRENCHES MAY BE BACKFILLED WITH THE MATERIAL EXCAVATED PROVIDED ROCKS OF OVER 8 INCHES MAXIMUM DIMENSION AND OTHER DELETERIOUS MATERIAL IF PRESENT IN THE EXCAVATED MATERIAL ARE REMOVED.
8. MINIMUM COVER DEPTH SHALL BE 4 FEET.
9. CONDUIT SHALL BE PROVIDED FOR PUMP CONTROL FROM EXISTING STORAGE RESERVOIR TO WELL HOUSE.
10. SEPARATION DISTANCES BETWEEN POTABLE AND NON-POTABLE MAINS SHALL BE AS SHOWN IN DETAIL C ON SHEET G-1 AND DETAIL D ON SHEET G-2.

SPECIFICATION NOTES:



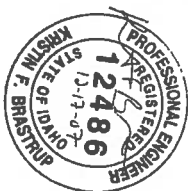
GENERAL NOTE:

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPC) AND SPW WATER ENGINEERING TECHNICAL SPECIFICATIONS (SPWC) AND BE CONSIDERED AS A SUPPLEMENTAL TO THE ISPC SPECIFICATIONS. IF A CONFLICT EXISTS BETWEEN ISPC AND SPW WATER ENGINEERING SPECIFICATIONS, THEN THE MOST STRINGENT SPECIFICATION WILL GOVERN.

SHEET INDEX

- C-1 WELL HOUSE SITE PLAN
- M-1 WELL HOUSE PIPING PLAN
- M-2 WELL HOUSE TANK ADDITION
- G-1 WELL HOUSE ARCHITECTURAL PLAN
- G-2 GENERAL DETAILS
- G-3 GENERAL DETAILS

DATE: 12-6-2007
RECORD DRAWING
 These Record Drawings are based on contractor furnished information and are not to be used for any other purpose. The engineer assumes no responsibility for the accuracy of the information, nor for errors or omissions which may appear in the record documents as a result.



DRAWING DIRECTORY	
NO.	DESCRIPTION
1	WELL HOUSE SITE PLAN
2	WELL HOUSE PIPING PLAN
3	WELL HOUSE TANK ADDITION
4	WELL HOUSE ARCHITECTURAL PLAN
5	GENERAL DETAILS
6	GENERAL DETAILS

**SORRENTO LACTALIS-NAMPA PLANT
 WELL HOUSE SITE PLAN**

ENGINEER
 KRISTIN F. BRANSTETTER
 400 EAST RIVER PARK LANE, SUITE 105
 BOISE, IDAHO 83706
 PHONE: 208-353-4140

OWNER/DEVELOPER
 SORRENTO LACTALIS
 4812 E. FRANKLIN ROAD
 NAMPA, IDAHO 83653

SPF Water Engineering, LLC
 water resource consultants
 600 East River Park Lane, Suite 105, Boise, Idaho 83706
 Tel (208) 283-4140 Fax (208) 283-4166

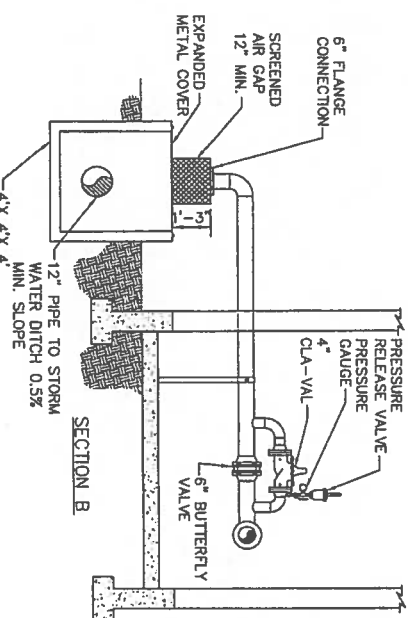


RECORD DRAWING

TO ON SITE DRAINAGE DITCH

CMU BUILDING WITH 4x4 ROOF HATCH FOR PUMP REMOVAL

TO FRENCH DRAIN SEE C-1 FOR LOCATION SEE DETAIL



1. THE WELL PUMP SHALL BE A BERKELEY 8150-800, 2 STAGE, 50 HP, 3500 RPM, 480 VOLT PUMP WITH A 6-INCH DISCHARGE. PUMP SHALL BE SET AT A DEPTH OF 126 FEET. A COLUMN CHECK VALVE SHALL BE PROVIDED.
2. THE FLOW METER SHALL BE A 6-INCH SEMITRIS WTS-101-600 WITH RATE AND TOTALIZER DISPLAY.
3. ALL WELL HOUSE PIPING SHALL BE SCHEDULE 10 STAINLESS STEEL.
4. THE PRESSURE RELIEF VALVE SHALL BE A 4-INCH CLA-VAL 50-01 PRV, WITH A PRESSURE RELIEF SET POINT OF 75psal. PIPE SUPPORTS SHALL BE INSTALLED AS NEEDED TO STABILIZE ABOVE-GROUND PIPES.
5. THE PRESSURE GAUGE SHALL HAVE A RANGE OF 0 TO 100psal. BUTTERFLY VALVES SHALL CONFORM TO AWWA C504.
6. THE CHECK VALVE SHALL BE IN ACCORDANCE WITH AWWA C510 OR C511 STANDARD, AND HAVE PASSED PERFORMANCE TESTS CONDUCTED BY THE UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS-CONNECTION CONTROL AND HYDRAULIC RESEARCH.
7. THE PUMP WILL BE CONTROLLED BY A PRESSURE TRANSDUCER ALREADY INSTALLED AT THE EXISTING STORAGE RESERVOIR. SORENTO LOGICALS WILL INTEGRATE THE NEW PUMP INTO THE EXISTING CONTROL SYSTEM.
8. AN AIR LINE CONSISTING OF 3/8-INCH HOPE TUBING SHALL EXTEND FROM THE SANITARY SEAL TO THE TOP OF THE PUMP. A PRESSURE GAUGE, AND SCHRADER VALVE SHALL BE PROVIDED AT THE WELL HEAD.
9. MASTER CONTROLS SHALL INCLUDE AN AMPERAGE OR OVERLOAD DETECTOR, AUTOMATIC CUT OFF, OR OTHER TYPE OF PUMP FAILURE WARNING DEVICE.
10. BEFORE THE WELL HOUSE IS PLACED IN SERVICE AND BEFORE CERTIFICATION OF COMPLETION BY THE ENGINEER, ALL NEW MECHANICAL PIPING INSTALLED BY THE CONTRACTOR SHALL BE DISCONNECTED IN ACCORDANCE WITH AWWA C651-92, "DISCONNECTING WATER MAIN" OR TO THE SATISFACTION OF THE ENGINEER.

[illegible]

ENGINEER
KRISTIN BRASTRUP
600 EAST RIVER PARK LANE, SUITE 102
BOISE, IDAHO 83706
PHONE: 208-383-4140

OWNER/DEVELOPER
SORRENTO LACTALIS
4812 E. FRANKLIN ROAD
NANPA, IDAHO 83653

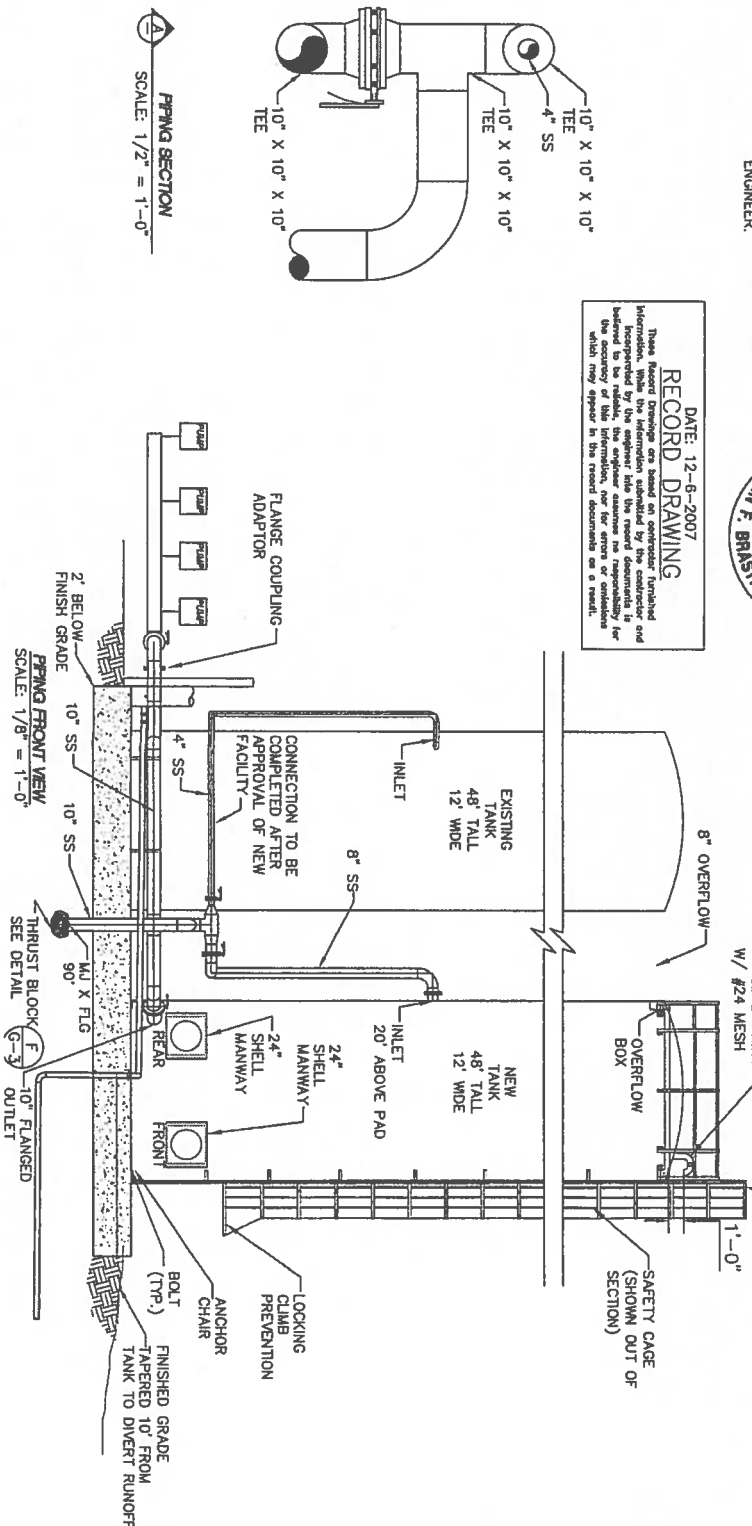
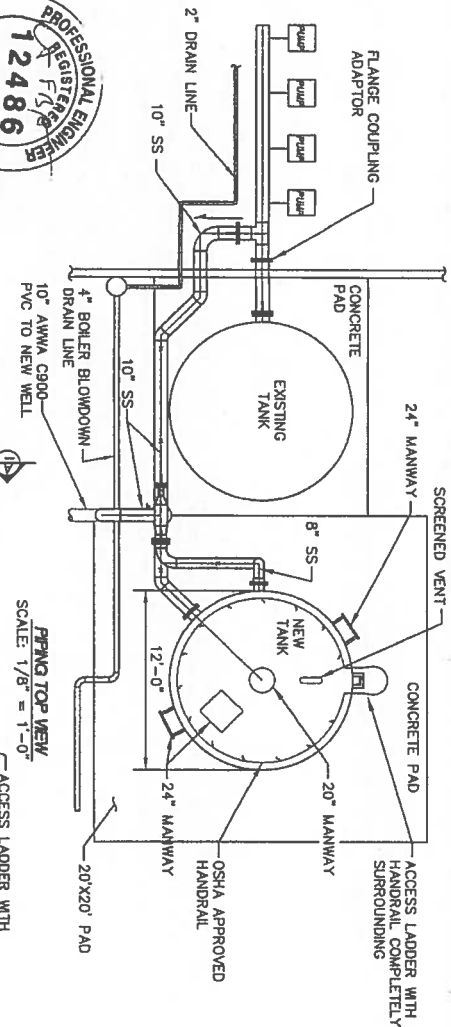
 **SPF** Water Engineering, LLC
water resource consultants
600 East River Park Lane, Suite 105, Boise, Idaho 83706
Tel (208) 383-4140 Fax (208) 383-4126

SPECIFICATION NOTES:

1. PIPE SUPPORTS SHALL BE INSTALLED AS NEEDED TO STABILIZE ABOVE-GROUND PIPES.
2. BUTTERFLY VALVES SHALL CONFORM TO AWWA C504.
3. ABOVE-GROUND PIPE SHALL BE SCHEDULE 80 STAINLESS STEEL.
4. THE TANK SHALL BE IN ACCORDANCE WITH ANSI/AWWA D100-05.
5. OVERFLOW SHALL BE SCREENED WITH NON-CORROSIVE #24 MESH.
6. INTERIOR SURFACES SHALL BE COATED WITH AN ANSI/NSF 61 APPROVED EPOXY.
7. BEFORE THE RESERVOIR IS PLACED IN SERVICE, THE RESERVOIR SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA C652-02, "DISINFECTION OF WATER STORAGE FACILITIES", OR THE SATISFACTION OF THE ENGINEER.



DATE: 12-6-2007
RECORD DRAWING
 These Record Drawings are based on contractor furnished information. The engineer assumes no responsibility for the accuracy of the information furnished by the contractor and is not to be held responsible for any errors or omissions which may appear in the record drawings as a result.



DRAWING DIRECTORY 2" Top View: water/energy/indus/1102010404/1102010404.dwg PLOT DATE: 01/08/2007		REVISIONS NO. DESCRIPTION DATE 1 AS-BUILT 11/28/2007	
DRAWN BY: T. SCHULZ SCALE: 1/4" = 1'-0" PLOT SCALE: 1" = 1'-0"	ENGINEER KRISTIN BRASTRUP 600 EAST RIVER PARK LANE, SUITE 105 BOISE, IDAHO 83706 PHONE: 208-363-4140		
OWNER/DEVELOPER SORRENTO LACTALIS 4115 E. FRANKLIN ROAD NAMPA, IDAHO 83853		SPF Water Engineering, LLC water resource consultants 600 East River Park Lane, Suite 105, Boise, Idaho 83706 Tel (208) 363-4140 Fax (208) 363-4158	

ATTACHMENT D

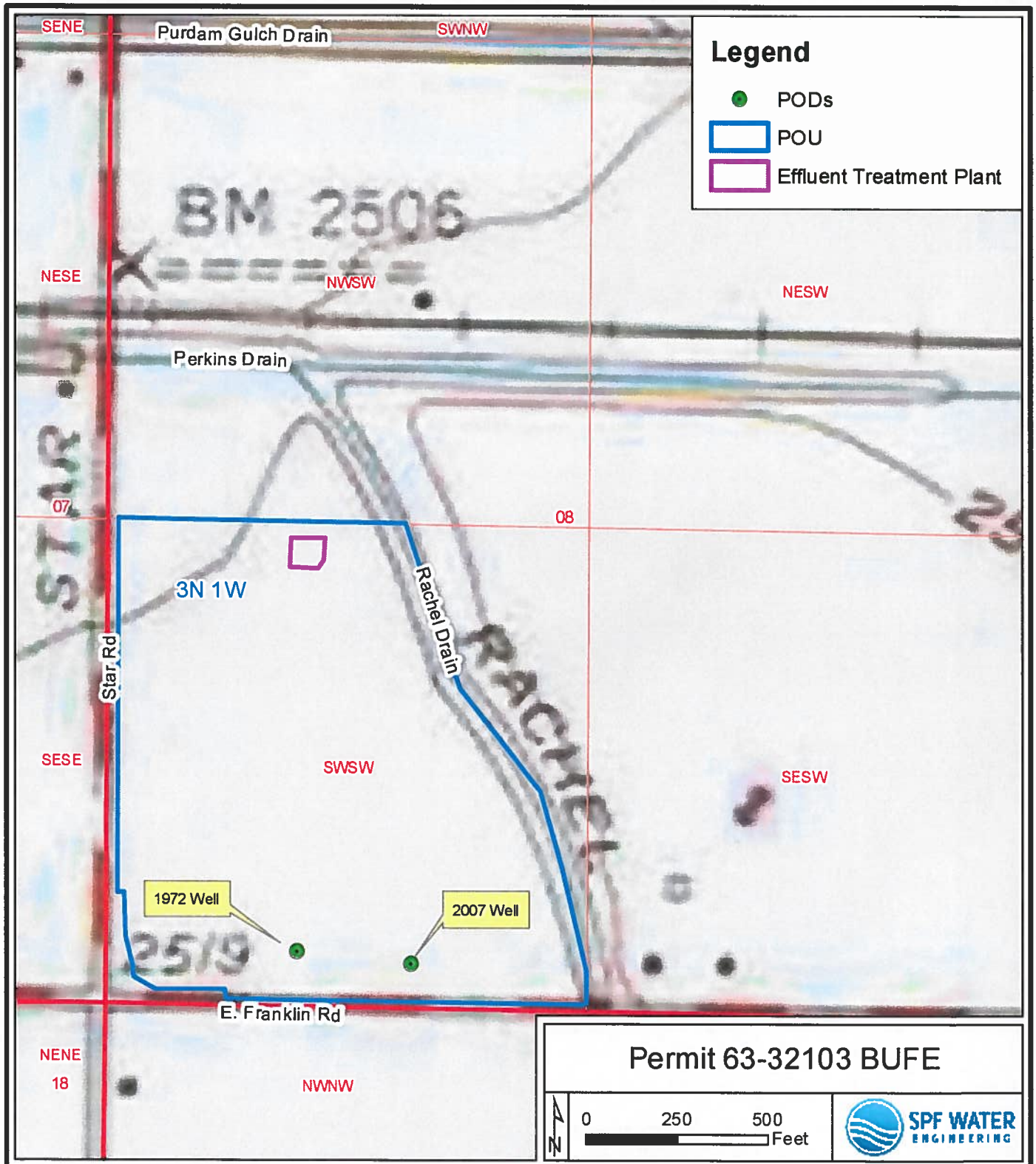
FLOW MONITORING ANNUAL SUMMARIES

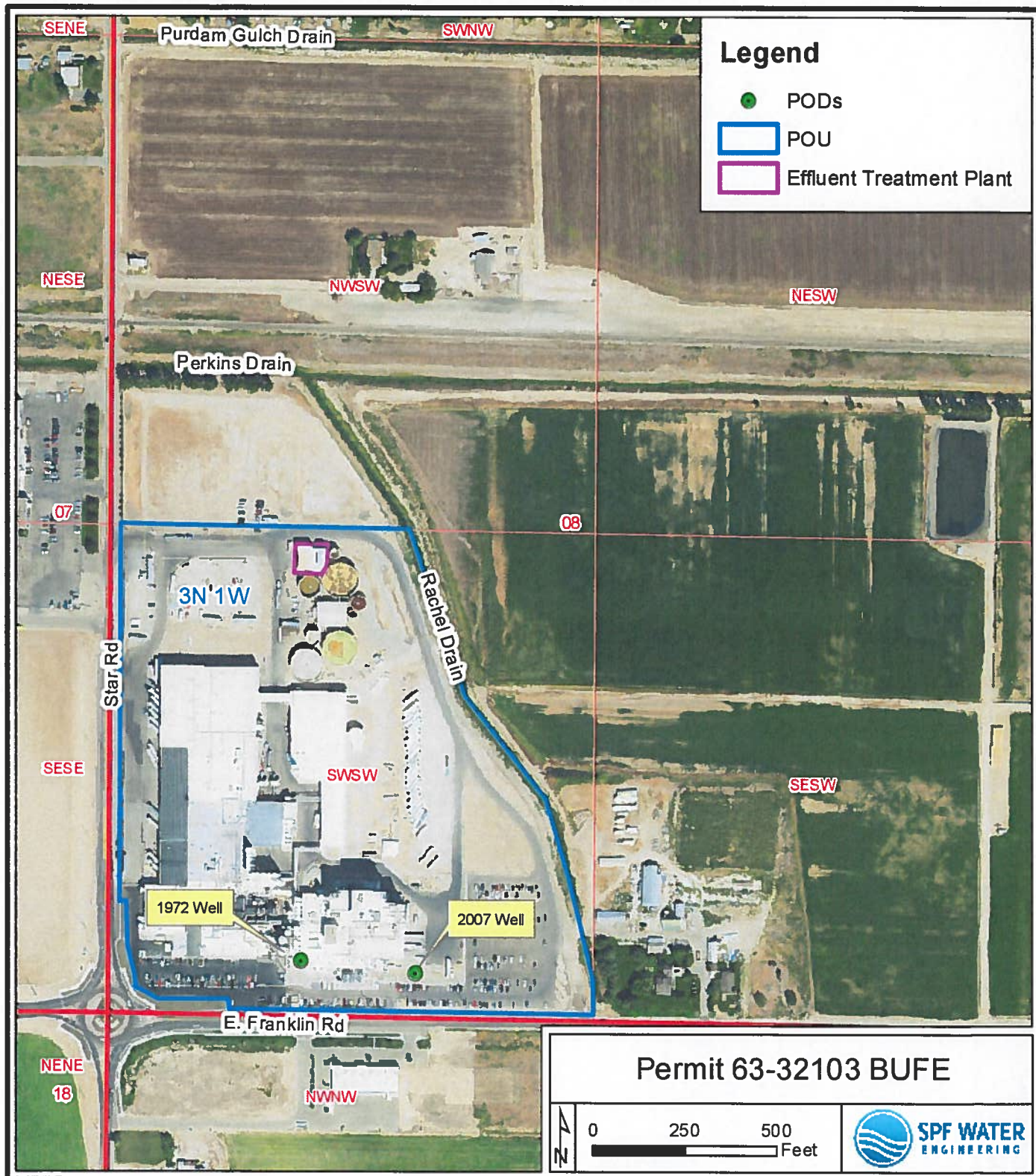
	2010			2011			2012			2013			2014		
	WELL WATER	EFFLUENT TO PURDHAM	EFFLUENT TO FARM	WELL WATER	EFFLUENT TO PURDHAM	EFFLUENT TO FARM	WELL WATER	EFFLUENT TO PURDHAM	EFFLUENT TO FARM	WELL WATER	EFFLUENT TO PURDHAM	EFFLUENT TO FARM	WELL WATER	EFFLUENT TO PURDHAM	EFFLUENT TO FARM
TOTAL FLOW (MG)	182.84	193.03	28.71	186.37	220.01	26.38	229.58	225.91	45.59	274.47	230.12	36.27	268.00	204.15	4.18
TOTAL FLOW (AF)	561.12	592.39	88.09	571.96	675.19	80.96	704.57	693.29	139.91	842.33	706.20	111.30	822.46	626.52	12.82
AVERAGE FLOW (MGD)	0.50	0.53	0.08	0.51	0.60	0.07	0.63	0.62	0.12	0.75	0.63	0.10	0.73	0.56	0.01
AVERAGE FLOW (GPM)	347.87	367.26	54.61	354.59	418.59	50.19	436.80	429.81	86.74	522.21	437.81	69.00	509.89	388.42	7.95

Highest GW Vol (ac-ft) used/yr:	842.33	706.20	111.30
Highest GW vol used less 400 ac-ft:	442.33		

ATTACHMENT E

TOPO & AERIAL PHOTO MAPS





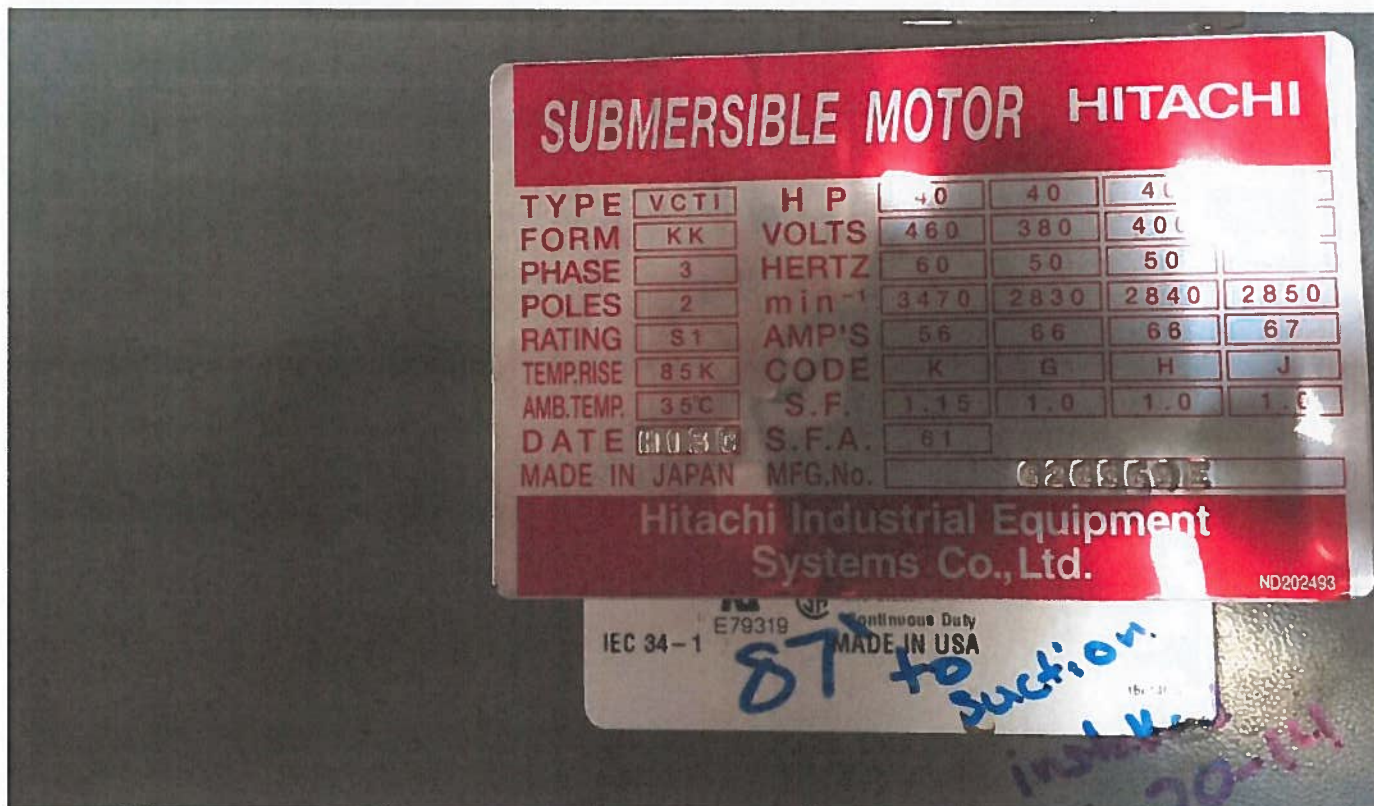
ATTACHMENT F
PHOTOS



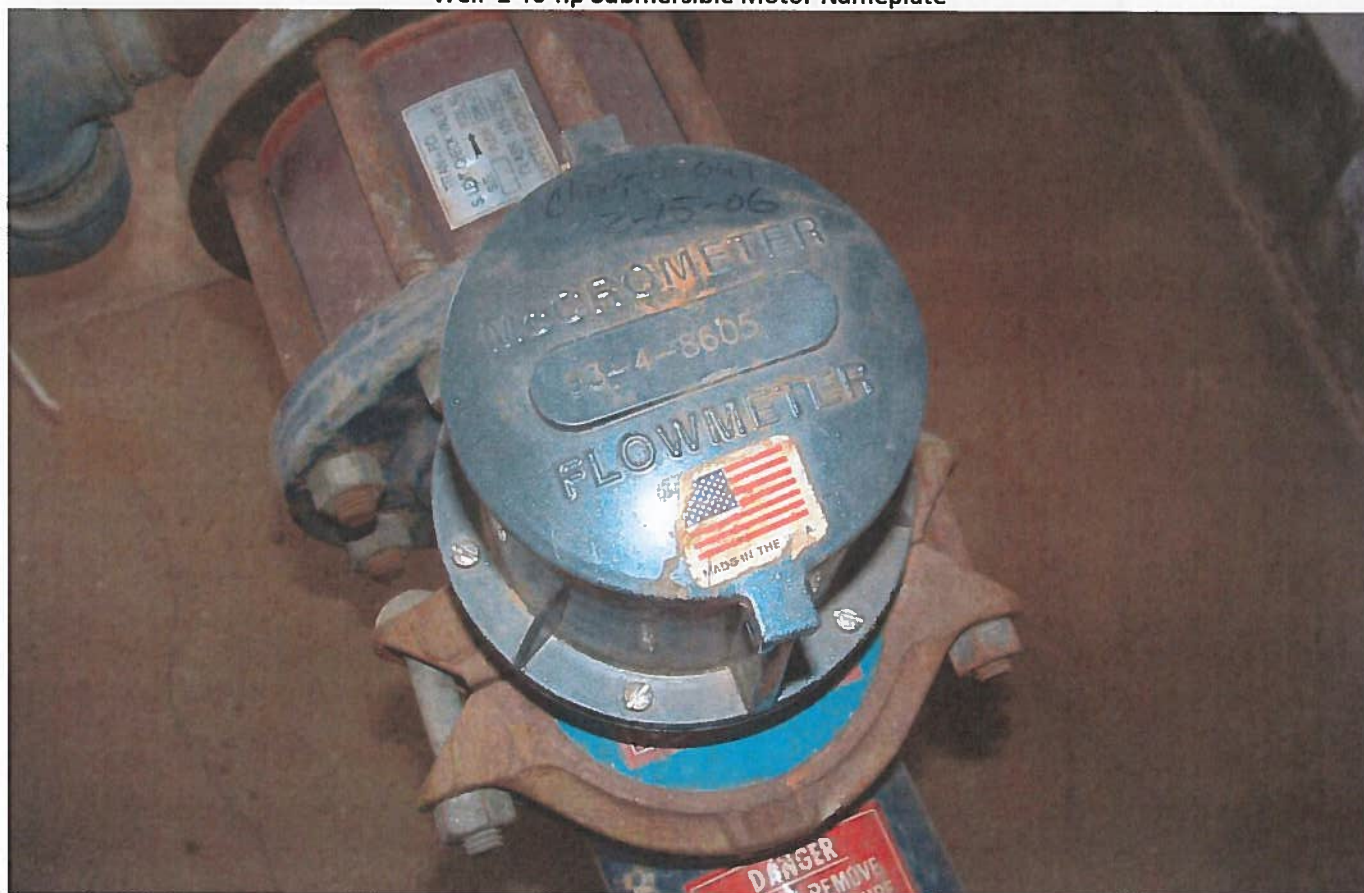
Well No. 1 – Casing and mechanical piping. 40-hp submersible pump in well.



Well No. 1 – sand separator (in blue) and back-up pump (20-hp)



Well 1 40-hp Submersible Motor Nameplate



Well No. 1 flow meter



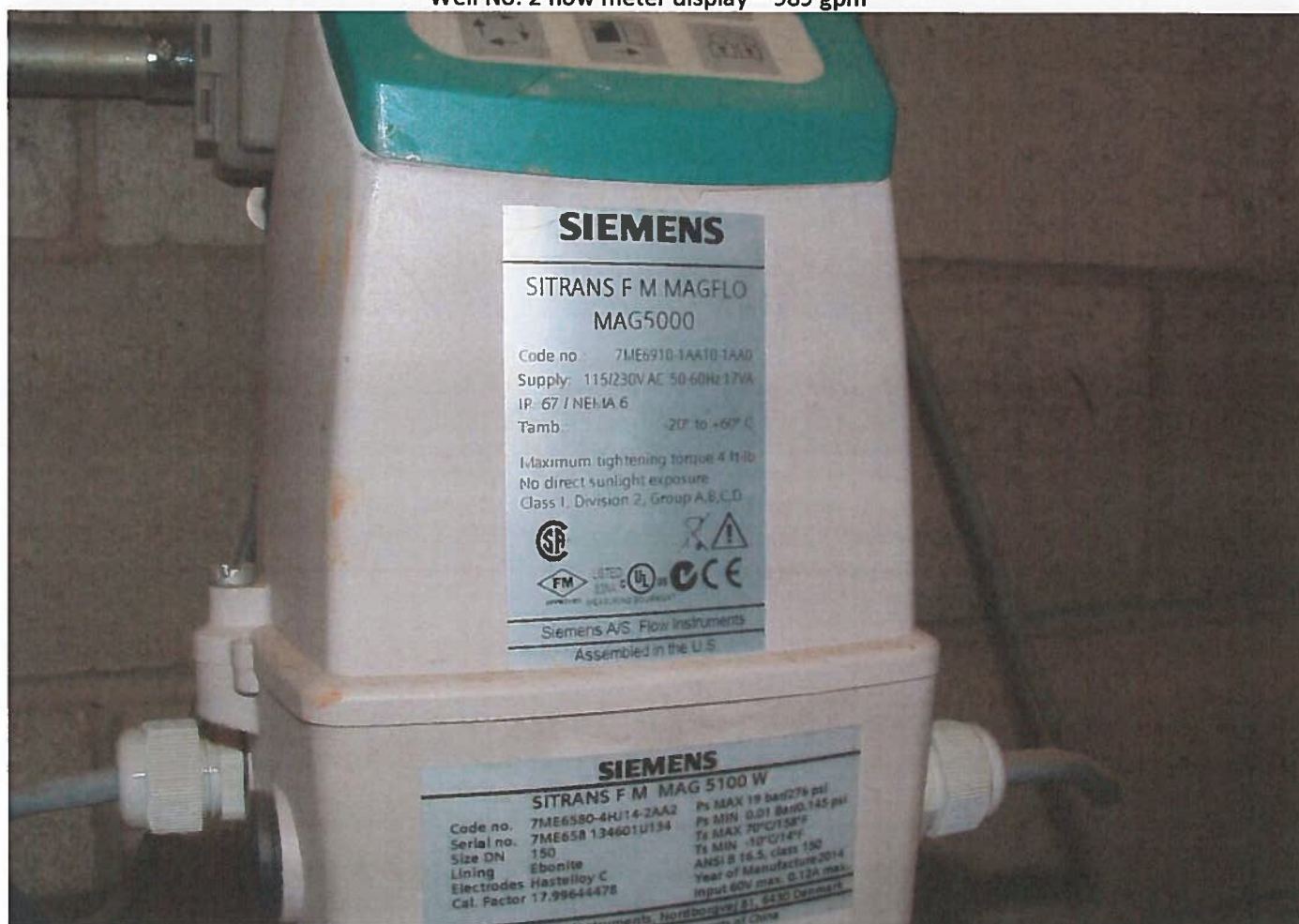
Well No. 2 – Well casing and submersible pump discharge elbow.



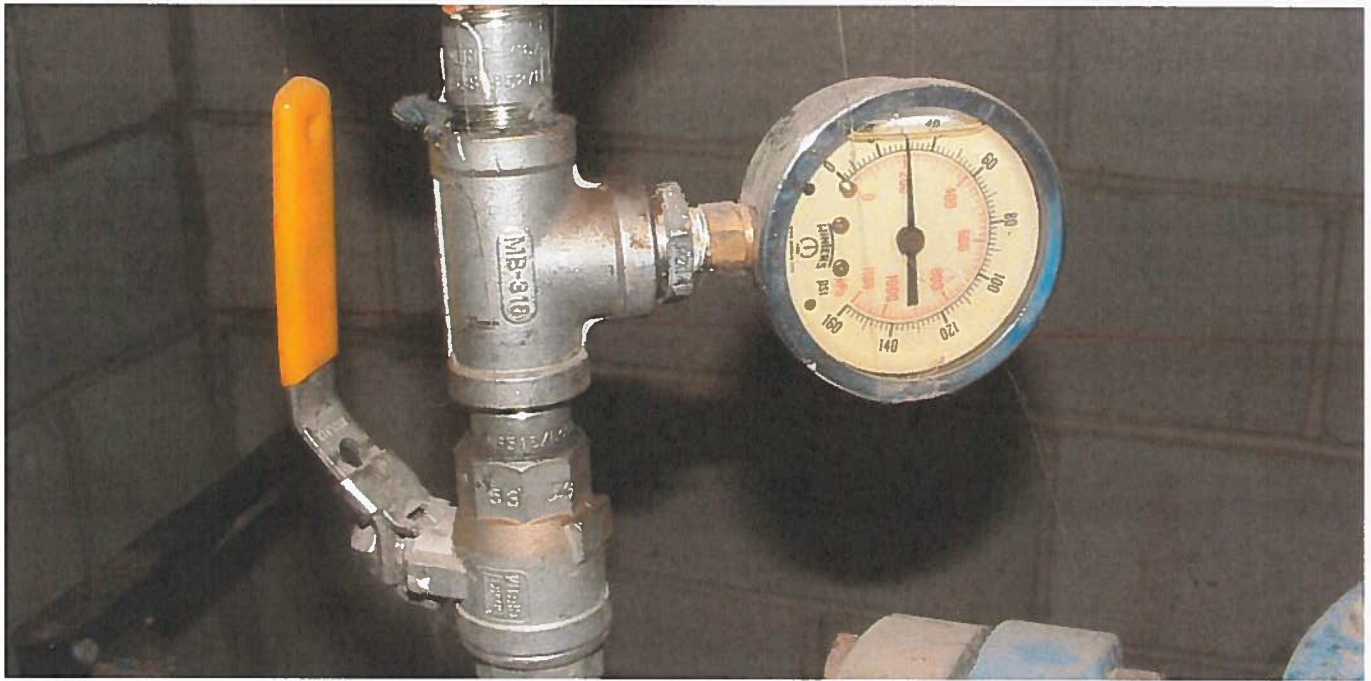
Well No. 2 mechanical piping and flow meter



Well No. 2 flow meter display – 989 gpm



Well No. 2 flow meter nameplate with 2014 year of manufacture



Well No. 2 pressure gage – 30 psi discharge pressure.



Well No. 2 motor controls. VFD operating at 60 hz.



Water storage tanks – 40,000 gallon each



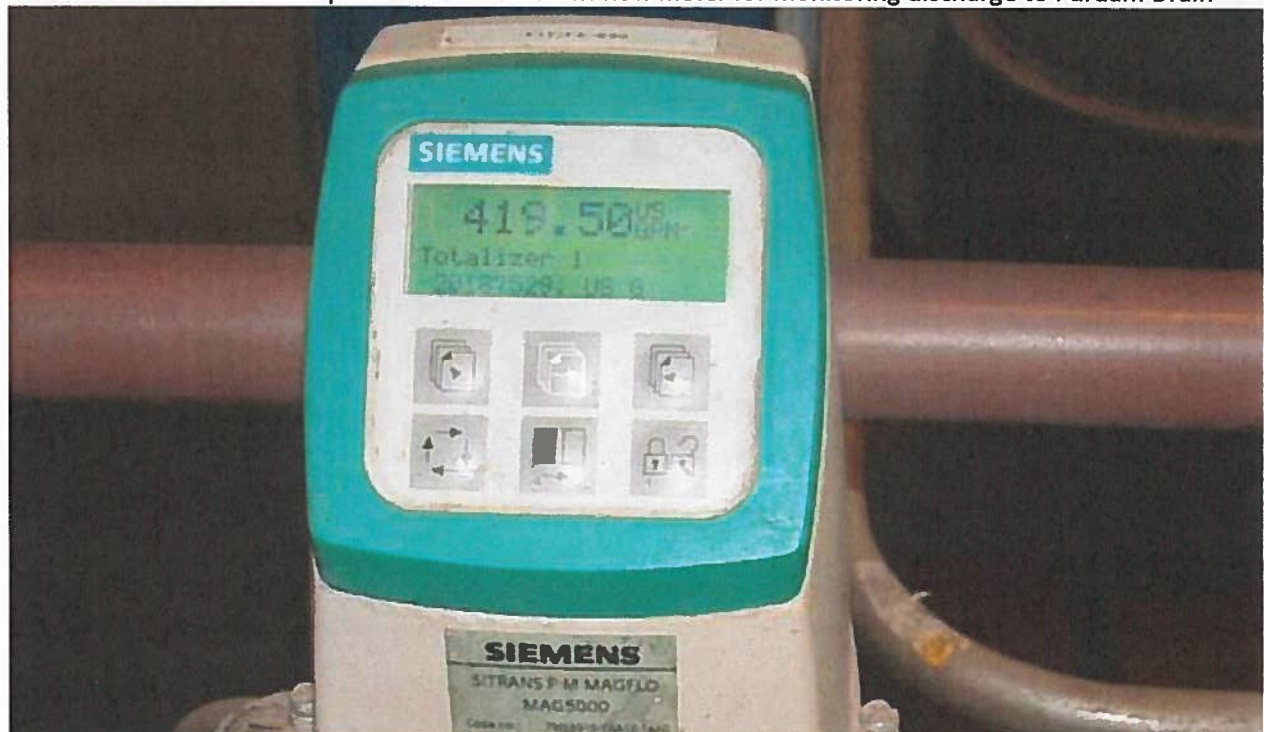
Inlet piping to water storage tanks and booster pumps



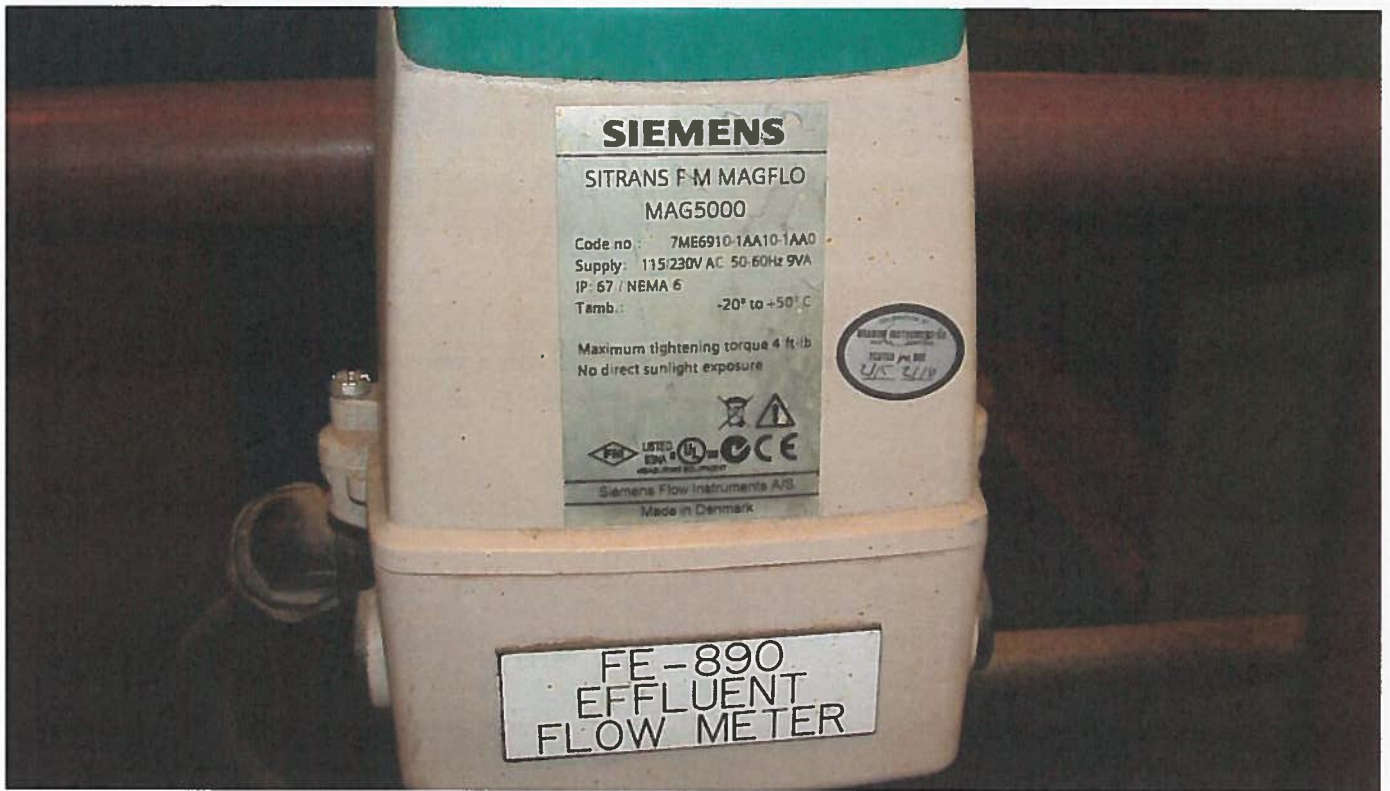
Booster pumps



Wastewater treatment plant – 12-inch effluent flow meter for monitoring discharge to Purdam Drain



Wastewater treatment plant - effluent flow meter display. 419.5 gpm



Effluent flow meter name plate with calibration test date sticker (2/15)



Effluent discharge to Purdam Drain

ATTACHMENT G

JANUARY 15, 2007 REQUEST TO CHANGE WATER-BEARING ZONE

Terry Scanlan

From: Terry Scanlan
Sent: Monday, January 15, 2007 3:01 PM
To: 'Whitney, Rob'
Cc: 'BKnight@sorrentolactalis.com'; Kristin Brastrup
Subject: Sorrento Well
Attachments: Sorrento Well Letter 1-15-07.pdf

Rob –

Attached is a letter regarding the Sorrento Well. Please contact me with questions or comments.

Terry

**SPF**

Water Engineering, LLC
water resource consultants

January 15, 2007

Rob Whitney
Idaho Department of Water Resources
2735 Airport Way
Boise, ID 83705

Subject: Sorrento Lactalis Water Supply Well

Dear Rob:

As a follow-up to our telephone conversation this morning, I have enclosed a schematic of the proposed final design for the new well at the Sorrento Lactalis plant in Nampa. The design includes well screens and sand filter pack between 230 and 318 feet depth.

The well is being constructed as a point of diversion under water right permit 63-32013. The well will be a future diversion point under Sorrento's water right license 63-31628 following approval of an application for transfer to change the points of diversion under the license from two 10-acre tracts (SWSWSW and NESWSW) to the 40-acre tract (SWSW).

Water right permit 63-32013 has two conditions that influence construction of the new well. Condition No. 5 states "Water-bearing zone to be appropriated is from 50 to 300 feet". Condition No. 7 states "The well(s) constructed and used as point(s) of diversion for this right shall be no deeper than the blue clay layer located approximately 290 to 300 feet below ground surface". Water right license 63-31628 has no depth limitation.

Conditions No. 5 and 7 were developed based on an analysis that indicates that water-bearing zones above the blue clay layer can be characterized as part of the shallow aquifer system within the Treasure Valley Aquifer. The mitigation plan for permit 63-32013 provides mitigate for depletions to the shallow aquifer system.

The estimated depth to the blue clay layer at the Sorrento site was based on the driller's report for the existing Sorrento well that encountered blue clay from 294 to 301 feet depth.

The well bore for the new well was extended to a total depth of 324 feet because the well driller was concerned that the formation sands between 150 and 300 feet were inadequate for the desired well yield. The borehole did not penetrate any blue clay. Brown clay was encountered from 290 to 298 feet, and again from 318 to 320 feet. The presence of brown clay suggests that the shallow aquifer system extends to a depth of more than 320 feet at the Sorrento well site.

This letter proposes the following.

1. The drilling permit depth should be increased from 300 to 324 feet.
2. Condition No. 5 of permit 63-32103 should be modified to state "Water bearing zone to be appropriated is from 50 to 320 feet.

I understand from our telephone conversation today that you have provided verbal approval for completing the well to 318 feet. Sorrento will bear the risk associated with completing the well below 300 feet. In the event that condition No. 5 of permit 63-32103 is not modified, Sorrento will either (1) plug the well screens below 300 feet or (2) agree to not use the well as a diversion point for 63-32103, but rather as a diversion point solely for 63-31628.

Please contact me with any questions. I'll assume that you will forward this letter to the appropriate Department staff to address modification of the permit condition.

Sincerely,



Terry M. Scanlan, P.E., P.G.

Cc: Bob Knight – Sorrento

Enclosures: Final design schematic
Water right permit 63-32103
Water right license 63-31628
Well Driller's Report for existing Sorrento well
Well driller's log for new well

DEPTH
(FEET)

BLIND FLANGE AT
+3 FEET

NOMINAL 21-INCH
DIAMETER BOREHOLE
0 TO 324 FEET

CENTRALIZER (60' SPACING)
(TYPICAL)

12-INCH I.D. CASING
0.375-INCH WALL
THICKNESS
+3 TO 230 FEET

SURFACE SEAL;
BENTONITE CHIPS
13 Cu.Yds. ESTIMATE

12-INCH BY 8-INCH
WELDED REDUCER
● 230 FEET

No. 8-12
COLORADO SILICA
SAND FILTER PACK
230 TO 318 FEET
13 Cu. Yds. ESTIMATE

8-INCH STEEL CASING
0.322-INCH WALL THICKNESS
230 TO 252 FEET
262 TO 270 FEET
290 TO 298 FEET

8-INCH PIPE SIZE
STAINLESS STEEL WELL SCREEN;
0.030-INCH SLOT SIZE
252 TO 262 FEET
270 TO 290 FEET
298 TO 318 FEET

PLATE BOTTOM ● 318 FEET

BENTONITE CHIPS
318 TO 324 FEET



SPF Water Engineering, LLC
water resource consultants

600 East River Park Lane, Suite 105, Boise, Idaho 83706

Tel (208) 383-4140 Fax (208) 383-4156

**SORRENTO LACTALIS 12-INCH
PUBLIC WATER SYSTEM WELL
FINAL DESIGN**

SCALE: NTS

DRAWN BY: SDC

PROJ. #110.0140

State of Idaho
Department of Water Resources
Permit to Appropriate Water

NO. 63-32103

Priority: April 20, 2004

Maximum Diversion Rate: 1.00 CFS

This is to certify, that **SORRENTO LACTALIS INC**
PO BOX 1280
NAMPA ID 83653

has applied for a permit to appropriate water from:

Source: GROUND WATER

and a permit is APPROVED for development of water as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>
COMMERCIAL	01/01 to 12/31	1.00 CFS

LOCATION OF POINTS OF DIVERSION:

GROUND WATER	SW¼SW¼	Sec. 8, Twp 03N, Rge 01W, B.M., CANYON County
GROUND WATER	SW¼SW¼	Sec. 8, Twp 03N, Rge 01W, B.M., CANYON County

PLACE OF USE: COMMERCIAL

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
03N 01W 8											X	X					

CONDITIONS OF APPROVAL

1. Proof of application of water to beneficial use shall be submitted on or before **June 01, 2010**.
2. Subject to all prior water rights.
3. Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which the permit holder had no control.
4. Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code and applicable Well Construction Rules of the Department.
5. Water bearing zone to be appropriated is from 50 to 300 feet.
6. This right does not grant any right-of-way or easement across the land of another.
7. The well(s) constructed and used as point(s) of diversion for this right shall be no deeper than the blue clay layer located approximately 290 to 300 feet below ground surface.
8. Use of water under this right shall be non-consumptive.
9. Water diverted and used under this right shall be discharged into the Purdam Gulch Drain.
10. If the right holder cannot continue to discharge all the water diverted under this right into the Purdam Gulch Drain for any reason, the right holder shall cease diverting water under this right until the right holder implements an alternative mitigation plan that has been reviewed and accepted by the Department.

State of Idaho
Department of Water Resources
Permit to Appropriate Water

NO. 63-32103

11. Prior to diversion of water under this right, the right holder shall provide a means acceptable to the Department to measure and record the amount of ground water diverted in connection with this right and the amount of water being released from the commercial facility into Purdam Gulch Drain. The right holder shall measure and record the entire volume of water diverted under this right and the entire volume of water discharged to the Purdam Gulch Drain and shall make the records available to the Department for inspection at any time.
12. Prior to the diversion and use of water under this approval, the right holder shall comply with applicable water quality standards of the Department of Environmental Quality.
13. Commercial use is for a cheese making process.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code. Witness the signature of the Director, affixed at Boise, this 23rd day of June, 2005.


FOR KARL J DREHER, Director

State of Idaho
Department of Water Resources
Water Right License

WATER RIGHT NO. 63-31628

Priority: September 12, 1989

Maximum Diversion Rate: 1.60 CFS

It is hereby certified that SORRENTO LACTALIS INC
PO BOX 1280
NAMPA ID 83653 has complied with the terms and conditions of the permit,
issued pursuant to Application for Permit dated August 25, 1989; has submitted Proof of Beneficial Use
on July 19, 1991. An examination indicates that the works have a diversion capacity of 1.6 cfs of water
from:

SOURCE

GROUND WATER

and a water right has been established as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>
COMMERCIAL	01/01 to 12/31	1.60 CFS
IRRIGATION	03/01 to 11/15	0.50 CFS

LOCATION OF POINT(S) OF DIVERSION:

GROUND WATER	NE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 8, Twp 03N, Rge 01W, B.M.	CANYON County
GROUND WATER	SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 8, Twp 03N, Rge 01W, B.M.	CANYON County

PLACE OF USE: COMMERCIAL

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
03N 01W 8									X	X	X	X	X	X	X	X	

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
03N 01W 8									5.7		20.0						25.7

Total Acres: 25.7

CONDITIONS OF APPROVAL

- Commercial use is for a cheese production facility, a combination deli and retail outlet, and the year-round dilution and land application of effluent discharged from the cheese production facility.
- The use of water for commercial purposes under this right shall not exceed 400 acre-feet each year.

State of Idaho
Department of Water Resources
Water Right License

WATER RIGHT NO. 63-31628

CONDITIONS OF APPROVAL CONTINUED

3. The commercial place of use authorized by this approval includes land in the SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 8, Township 3 North, Range 1 West, B.M., where the main commercial facility is located, and additional lands within the S $\frac{1}{2}$ of Section 8, Township 3 North, Range 1 West, B.M., upon which wastewater may be applied to satisfy water quality requirements. Water diverted for irrigation purposes under this approval shall not be used to irrigate more than the 25.7 acres described as the place of use for irrigation purposes under this right. Water diverted under this approval shall not be applied to the E $\frac{1}{2}$ SW $\frac{1}{4}$ or the SE $\frac{1}{4}$ of Section 8, Township 3 North, Range 1 West, B.M., unless the water is first used in the cheese processing facility as authorized by this water right.
4. The right holder shall make full beneficial use of all surface water rights available to the right holder for irrigation of the lands authorized to be irrigated under this right. The right holder shall limit the diversion of ground water for irrigation under this right to those times when the surface water supply for irrigation is not available or the surface water supply is not reasonably sufficient to irrigate the place of use authorized under this right.
5. If the surface water right(s) appurtenant to the place of use is sold, transferred, leased or used on any other place of use, this right to divert groundwater shall not be used for irrigation purposes without an approved transfer pursuant to Section 42-222, Idaho Code, or approval of the Department if a transfer is not required.
6. This right when combined with all other rights shall provide no more than 0.02 cfs per acre nor exceed a combined annual maximum diversion volume of 116 af at the field headgate for irrigation of the 25.7 acres described above.
7. This right when combined with all other rights shall provide no more than 4.5 afa per acre at the field headgate for irrigation of the lands above.

This license is issued pursuant to the provisions of Section 42-219, Idaho Code. The water right confirmed by this license is subject to all prior water rights and shall be used in accordance with Idaho law and applicable rules of the Department of Water Resources.

Signed and sealed this 28th day of July, 2003.


for **KARL J. DREHER**
Director

USE TYPEWRITER OR
BALL POINT PEN

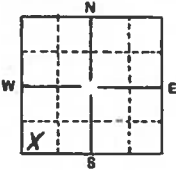
State of Idaho
Department of Reclamation

WELL DRILLER'S REPORT

RECEIVED

State law requires that this report be filed with the State Reclamation Engineer
within 30 days after completion or abandonment of the well.

JUN 16 1972

1. WELL OWNER Name <u>SWISS CHEESE INC.</u> Address <u>PAUL A. BROG.</u> <u>R# 2 NAMPA, IDAHO</u> Owner's Permit No. <u>384-2215</u>		7. WATER LEVEL Department of Water Administration Static water level <u>70</u> feet below land surface Flowing? ☒ Yes ☐ No G.P.M. flow <u>70</u> Temperature <u>68°</u> F. Quality <u>10 GRAINS</u> Artesian closed-in pressure <u>5</u> p.s.i. Controlled by ☒ Valve ☒ Cap ☐ Plug																																																																																																																																																					
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe method of abandoning)		8. WELL TEST DATA ☐ Pump ☐ Bailer ☐ Other Discharge G.P.M. <u>200</u> Draw Down <u>20</u> Hours Pumped <u>3</u>																																																																																																																																																					
3. PROPOSED USE ☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal ☒ Industrial ☐ Stock		9. LITHOLOGIC LOG <u>31947</u>																																																																																																																																																					
4. METHOD DRILLED ☒ Cable ☐ Rotary ☐ Dug ☐ Other		<table border="1"><thead><tr><th rowspan="2">Hole Diam.</th><th colspan="2">Depth</th><th rowspan="2">Material</th><th colspan="2">Water</th></tr><tr><th>From</th><th>To</th><th>Yes</th><th>No</th></tr></thead><tbody><tr><td>12</td><td>0</td><td>2</td><td>TOP SOIL</td><td></td><td></td></tr><tr><td>12</td><td>2</td><td>3</td><td>HARD PAN</td><td></td><td></td></tr><tr><td>12</td><td>3</td><td>10</td><td>SANDY CLAY</td><td></td><td></td></tr><tr><td>12</td><td>10</td><td>40</td><td>GRAVEL</td><td></td><td></td></tr><tr><td>8</td><td>40</td><td>75</td><td>SANDY CLAY</td><td></td><td></td></tr><tr><td>8</td><td>75</td><td>100</td><td>SAND YELLOW</td><td></td><td></td></tr><tr><td>"</td><td>100</td><td>137</td><td>SAND GRAVEL</td><td></td><td></td></tr><tr><td>"</td><td>137</td><td>143</td><td>GRAY SAND</td><td></td><td></td></tr><tr><td>"</td><td>143</td><td>155</td><td>YELLOW CLAY</td><td></td><td></td></tr><tr><td>"</td><td>155</td><td>160</td><td>FINE SAND</td><td></td><td></td></tr><tr><td>"</td><td>160</td><td>178</td><td>SANDY CLAY</td><td></td><td></td></tr><tr><td>"</td><td>178</td><td>188</td><td>CLAY</td><td></td><td></td></tr><tr><td>"</td><td>188</td><td>200</td><td>SANDY CLAY</td><td></td><td></td></tr><tr><td>"</td><td>200</td><td>210</td><td>SAND FINE</td><td></td><td></td></tr><tr><td>"</td><td>210</td><td>215</td><td>CLAY</td><td></td><td></td></tr><tr><td>"</td><td>215</td><td>237</td><td>SAND</td><td></td><td></td></tr><tr><td>"</td><td>237</td><td>240</td><td>CLAY STRINGERS</td><td></td><td></td></tr><tr><td>"</td><td>240</td><td>252</td><td>SAND COMB</td><td></td><td></td></tr><tr><td>"</td><td>252</td><td>256</td><td>CLAY STICKY</td><td></td><td></td></tr><tr><td>"</td><td>256</td><td>280</td><td>MEDIUM SAND</td><td></td><td></td></tr><tr><td>"</td><td>280</td><td>290</td><td>FINE SAND</td><td></td><td></td></tr><tr><td>"</td><td>290</td><td>294</td><td>SANDY CLAY</td><td></td><td></td></tr><tr><td>"</td><td>294</td><td>301</td><td>BLUE CLAY</td><td></td><td></td></tr></tbody></table>		Hole Diam.	Depth		Material	Water		From	To	Yes	No	12	0	2	TOP SOIL			12	2	3	HARD PAN			12	3	10	SANDY CLAY			12	10	40	GRAVEL			8	40	75	SANDY CLAY			8	75	100	SAND YELLOW			"	100	137	SAND GRAVEL			"	137	143	GRAY SAND			"	143	155	YELLOW CLAY			"	155	160	FINE SAND			"	160	178	SANDY CLAY			"	178	188	CLAY			"	188	200	SANDY CLAY			"	200	210	SAND FINE			"	210	215	CLAY			"	215	237	SAND			"	237	240	CLAY STRINGERS			"	240	252	SAND COMB			"	252	256	CLAY STICKY			"	256	280	MEDIUM SAND			"	280	290	FINE SAND			"	290	294	SANDY CLAY			"	294	301	BLUE CLAY		
Hole Diam.	Depth		Material		Water																																																																																																																																																		
	From	To		Yes	No																																																																																																																																																		
12	0	2	TOP SOIL																																																																																																																																																				
12	2	3	HARD PAN																																																																																																																																																				
12	3	10	SANDY CLAY																																																																																																																																																				
12	10	40	GRAVEL																																																																																																																																																				
8	40	75	SANDY CLAY																																																																																																																																																				
8	75	100	SAND YELLOW																																																																																																																																																				
"	100	137	SAND GRAVEL																																																																																																																																																				
"	137	143	GRAY SAND																																																																																																																																																				
"	143	155	YELLOW CLAY																																																																																																																																																				
"	155	160	FINE SAND																																																																																																																																																				
"	160	178	SANDY CLAY																																																																																																																																																				
"	178	188	CLAY																																																																																																																																																				
"	188	200	SANDY CLAY																																																																																																																																																				
"	200	210	SAND FINE																																																																																																																																																				
"	210	215	CLAY																																																																																																																																																				
"	215	237	SAND																																																																																																																																																				
"	237	240	CLAY STRINGERS																																																																																																																																																				
"	240	252	SAND COMB																																																																																																																																																				
"	252	256	CLAY STICKY																																																																																																																																																				
"	256	280	MEDIUM SAND																																																																																																																																																				
"	280	290	FINE SAND																																																																																																																																																				
"	290	294	SANDY CLAY																																																																																																																																																				
"	294	301	BLUE CLAY																																																																																																																																																				
5. WELL CONSTRUCTION Diameter of hole <u>8</u> inches Total depth <u>301</u> feet Casing schedule: ☒ Steel ☐ Concrete Thickness <u>3/22</u> inches Diameter <u>8</u> inches From <u>0+4</u> feet To <u>265</u> feet <u>250</u> inches <u>6</u> inches <u>255</u> feet <u>265</u> feet <u>250</u> inches <u>6</u> inches <u>290</u> feet <u>301</u> feet Was a packer or seal used? ☒ Yes ☐ No Perforated? ☐ Yes ☐ No How perforated? ☐ Factory ☐ Knife ☐ Torch Size of perforation _____ inches by _____ inches Number _____ From _____ To _____ _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet _____ perforations _____ feet _____ feet Well screen installed? ☒ Yes ☐ No Manufacturer's name <u>JOHNSON</u> Type <u>STAINLESS</u> Model No. _____ Diameter <u>8</u> Slot size <u>25</u> Set from <u>265</u> feet to <u>280</u> feet Diameter <u>8</u> Slot size <u>15</u> Set from <u>280</u> feet to <u>290</u> feet Gravel packed? ☐ Yes ☒ No Size of gravel _____ Placed from _____ feet to _____ feet Surface seal? ☒ Yes ☐ No To what depth <u>22</u> feet Material used in seal ☒ Cement grout ☐ Puddling clay																																																																																																																																																							
6. LOCATION OF WELL Sketch map location must agree with written location.  County <u>CANYON</u> <u>SW 1/4 SW 1/4 Sec. 8 T. 3 N. R. 1 E/W</u>		10. Work started <u>5/8/72</u> finished <u>6/15/72</u>																																																																																																																																																					
		11. DRILLER'S CERTIFICATION This well was drilled under my supervision and this report is true to the best of my knowledge. <u>WILL AND SON'S</u> <u>55</u> Driller's or Firm's Name Number <u>CALDWELL, IDAHO</u> Address <u>Kenneth Witt</u> <u>6/15/72</u> Signed By Date																																																																																																																																																					

USE ADDITIONAL SHEETS IF NECESSARY

FORWARD THE WHITE, BLUE, AND PINK COPIES TO THE DEPARTMENT

CUSTOMER San Juan Local

ADDRESS _____

DRILLER Jeff Van Kester

HOLE SIZE 20 - CASING SIZE 12

SCREENS OR PERFORATIONS 8 55



• Drilling Equipment Sales & Service
• All types of Drilling & Boring
• Casing Rental and
• Drilling Contractors
• For More

DATE STARTED 7/24

DATE COMPLETED _____

HOOPER 1/2" x 1/2"

WATER LEVEL AT _____

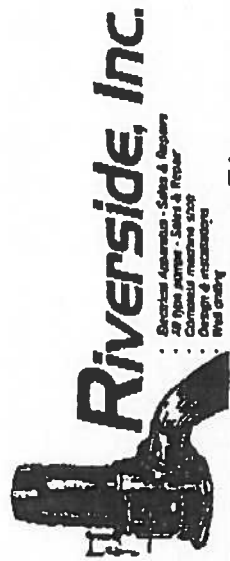
2007

USED 5/8" x 1/2"

FEET		DEPTH		FOUNDTION
FROM	TO	FROM	TO	
0	7	Top Soil		
7	10	Sand & river gravels		
10	13	fine to med sand		
13	14	clay		
14	17	med to coarse sand / clay streak at 68'		
17	18	" " " " with clay lens		
18	19	clay streak at 90' per gravel After sand first		
19	20	coarse sand & per gravel		
20	21	" " " "		
21	22	" " " "		
22	23	" " " "		
23	24	clay		
24	25	2' streak of sand at top		
25	26	" "		
26	27	fine sand		
27	28	" "		
28	29	clay		
29	30	fine sand streaks from 168-172'		

112

CUSTOMER Sorrento
 ADDRESS _____
 DRILLER _____
 HOLE SIZE _____" CASING SIZE _____"
 SCREENS OR PERFORATIONS _____"

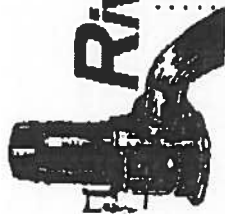


DATE STARTED _____
 DATE COMPLETED _____
 HELPER _____ DRILL USED _____
 WATER LEVEL AT _____ FT.

TIME	STEM #	DEPTH		FORMATION
		FROM	TO	
		174	181	sand (fine)
		181	184	clay
		184	194	" with streaks of sand
		194	204	" " " "
		204	214	" "
		214	217	sand
		217	224	sandy clay
		224	234	" " "
		234	235	" " "
		235	238	sand (med to coarse)
		238	244	sticky clay
		244	252	" " "
		252	254	coarse sand
		254	262	" " "
		262	264	clay
		264	269	" with some sand streaks
		269	274	fine to med sand
		274	284	" " " "

CUSTOMER _____
ADDRESS _____
DRILLER _____
HOLE SIZE _____" CASING SIZE _____"
SCREENS OR PERFORATIONS _____

DATE STARTED _____
DATE COMPLETED _____
HELPER _____ DRILL USED _____
WATER LEVEL AT _____ FT.



Riverside, Inc.

Electrical Apparatus - Sales & Repairs
All types pumps - Sales & Repair
Complete machine shop
Design & construction
Welding

TIME	STEM #	DEPTH		FORMATION
		FROM	TO	
		294	298	med to coarse sand
		298	299	clay
		299	299	"
		298	304	fine to med sand
		304	314	" " "
		314	316	med to coarse sand
		318	320	brn clay
		320	324	med to coarse sand
		324		"