

RECEIVED

JUL 02 2008

DEPARTMENT OF  
WATER RESOURCES

## A. GENERAL INFORMATION

Permit No. 63-12591

1. Owner: City of Nampa Phone No.: 208.466.6000

Current Address: 411 3<sup>rd</sup> St. S., Nampa, ID 83651

2. Accompanied by: Albert Garcia EXAM DATE: 6/18/2008

Address: Nampa City Water Works, 24 1<sup>st</sup> St. S., Nampa, ID 83651 Phone No. 208.941.0047

Relationship to Permit Holder: Water System Technician

3. Source: Ground Water tributary to \_\_\_\_\_

## B. OVERLAP REVIEW

1. Other water rights with the same place of use: See attached list

2. Other water rights with the same point of diversion: None. The City plans to file a future transfer to reflect an integrated system.

### C. DIVERSION AND DELIVERY SYSTEM

**1. Point(s) of Diversion:**

[illegible]

**2. Place(s) of Use:** Municipal use within the service area for the City of Nampa as described on the permit. Please note that the current GIS shape file for Nampa's service area does not match the tabular data listed on Nampa's water rights. See attached maps for omitted service areas.

Indicate Method of Determination City Records

[illegible]

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe id as applicable. **See attached photos and pump diagram**

Scale: 1" = \_\_\_\_\_

X Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

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

X 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           |
|---------------------------------------|-------------|-----|---------------------|-------------------------|---------------------------------------------|
| Nampa Well No. 14                     | US Electric | 150 | 60641074504-001R-04 | Floway Vertical Turbine | 4-stage Model 14JKL bowl with 10" discharge |
|                                       |             |     |                     |                         |                                             |

\*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 |
|--------------------------------|-----------------|-------------------|-----------|-------------|----------|-------------|
| #1 Flowmeter (potable pipe)    | Propeller Meter | Water Specialties | Unknown   | 20033102-10 | 10" Pipe | Unknown     |
| #2 Flowmeter (potable pipe)    | Insertion Meter | Setra Transmitter | C206      | 2153126     | 10" Pipe | Unknown     |
| #3 Flowmeter (irrigation pipe) | Propeller Meter | Water Specialties | Unknown   | 20033102-8  | 10" Pipe | Unknown     |
| Pump curve supplied by Nampa   |                 |                   |           |             |          |             |

## 2. Measurements:

### 150 hp Pump: Variable Frequency Drive

Pumping Water Level (PWL): The well log shows 2000 gpm with 65.2' drawdown (30.7 gpm/ft of drawdown) after two hours of pumping. At 1570 gpm (3.5 cfs), drawdown will be 51' (1,570/30.7). Static water level was reported at 13'. PWL calculated to be 64' (13' static + 51' drawdown).

Total Dynamic Head from pump curve at 1570 gpm is 300' (64' PWL, \*3' friction loss, 101 psi discharge)

\*Friction Loss: 155' column length, 10" column, 1.5" shaft. Head loss (friction) =  $2'/100$  or  $155'/100 \times 1.5' = 3'$

As shown in the following table, the pump curve indicates the system can operate well beyond the permit limitation of 3.5 cfs (1,570 gpm). Using 46 psi operating pressure, the system can pump 2,000 gpm.

| pumping<br>rate<br>(gpm) | TDH<br>(feet) | friction<br>loss<br>(feet) | static<br>water<br>level<br>(feet) | drawdown<br>(feet) | pumping<br>water<br>level<br>(feet) | discharge<br>pressure<br>(psi) |
|--------------------------|---------------|----------------------------|------------------------------------|--------------------|-------------------------------------|--------------------------------|
| 1570                     | 300           | 3                          | 13                                 | 51                 | 64                                  | 101                            |
| 1700                     | 257           | 4                          | 13                                 | 55                 | 68                                  | 80                             |
| 1800                     | 237           | 4                          | 13                                 | 59                 | 72                                  | 70                             |
| 1900                     | 218           | 5                          | 13                                 | 62                 | 75                                  | 60                             |
| 2000                     | 190           | 5                          | 13                                 | 65                 | 78                                  | 46                             |
| 2100                     | 165           | 5                          | 13                                 | 68                 | 81                                  | 34                             |

## E. NARRATIVE/REMARKS/COMMENTS

A 20-inch well equipped with a 150 hp turbine pump supplies municipal water to the City of Nampa's potable water system. Flowmeter 1 and Flowmeter 2 measure water pumped into the City's municipal potable system. Flowmeter 3 measures water pumped into the City's municipal irrigation system. The well can be connected to the City's municipal irrigation system, but is only used in case of emergency when other pump(s) go down. At the time of the exam, the irrigation (green) pipe was disconnected. Flowmeter 1 is operational, however the City's Supervisory Control and Data Acquisition System (SCADA) only receives data from flowmeter 2 (insertion meter). SCADA allows the City to monitor all their potable wells from a centralized location located at 24 1<sup>st</sup> Street South, Nampa. A chlorination system is also located in the well house for disinfection of the ground water prior to municipal use. The City connected Well 14 into their potable municipal system at Roosevelt Street just north of the well as indicated on the attached topo map.

As mentioned on C.2. above, the GIS map for Nampa's current service area does not match the tabular data listed on their water rights (see their most recent license 63-12543). The place of use listed for this permit reflects Nampa's current service. The omitted GIS areas are indicated on the attached maps.

Have conditions of permit approval been met? ☒ yes ☐ no

## F. FLOW CALCULATIONS

Measured Method:

150 hp pump curve: 46 psi: 4.46 cfs

101 psi: 3.5 cfs

Limited to 3.5 cfs per permit

Yes Additional Computation Sheets Attached  
(Pump Curves)

## 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:

Potential volume = 3.5 cfs x 365 days x 1.9835 af/cfs-day = 2,533.9 afa

Volume not applicable for a municipal water right

## H. RECOMMENDATIONS

### 1. Recommended Amounts

| Beneficial Use | Period of Use<br>From To | Rate of Diversion<br>Q (cfs) | Annual Volume<br>V (afa) |
|----------------|--------------------------|------------------------------|--------------------------|
| Municipal      | 1/1 12/31                | 3.50                         | Not Applicable           |

### 2. Recommended Amendments

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

## I. AUTHENTICATION

Field Examiner's Name Terry M. Scanlan Date 6/25/08

Field Examiner's Signature Terry M. Scanlan

Reviewer \_\_\_\_\_ Date \_\_\_\_\_

SEAL



**ATTACHMENT A**

**PERMIT & PROOF OF BENEFICIAL USE RECORDS**

[Close](#)IDAHO DEPARTMENT OF WATER RESOURCES  
Water Permit Report

06/17/2008

WATER RIGHT NO. 63-12591

| Owner Type    | Name and Address                                                   |
|---------------|--------------------------------------------------------------------|
| Current Owner | CITY OF NAMPA<br>411 3RD ST S<br>NAMPA, ID 83651<br>(208) 466-6000 |

Priority Date: 08/21/2000  
Status: Active

| Source       | Tributary |
|--------------|-----------|
| GROUND WATER |           |

| Beneficial Use  | From | To    | Diversion Rate | Volume |
|-----------------|------|-------|----------------|--------|
| MUNICIPAL       | 1/01 | 12/31 | 3.5 CFS        |        |
| Total Diversion |      |       | 3.5 CFS        |        |

Location of Point(s) of Diversion:

GROUND WATER|NENESW|Sec. 29|Township 03N|Range 02W|CANYON County

Place(s) of use: [Large POU Info](#)

Conditions of Approval:

1. 01M After specific notification by the department, the right holder shall install a suitable measuring device or shall enter into an agreement with the department to determine the amount of water diverted from power records and shall annually report the information to the department.
2. 102 The right holder shall not provide water diverted under this right for the irrigation of land having appurtenant surface water rights as a primary source of irrigation water except when the surface water rights are not available for use. This condition applies to all land with appurtenant surface water rights, including land converted from irrigated agricultural use to other land uses but still requiring water to irrigate lawns and landscaping.
3. Place of use is within the service area of the City of Nampa. Water bearing zone to be appropriated is 200 to 500 feet.
4. 121 The Director retains jurisdiction to require the right holder to provide purchased or leased natural flow or stored water to offset depletion of Lower Snake River flows if needed for salmon migration purposes. The amount of water required to be released into the Snake River or a tributary, if needed for this purpose, will be determined by the Director based upon the reduction in flow caused by the use of water pursuant to this permit.
5. 046 Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code.

Dates:  
 Proof Due Date: 10/01/2006  
 Proof Made Date: 02/24/2004  
 Approved Date: 10/13/2000  
 Moratorium Expiration Date:  
 Enlargement Use Priority Date:  
 Enlargement Statute Priority Date:  
 Application Received Date: 06/29/2000  
 Protest Deadline Date:  
 Number of Protests: 0  
 Field Exam Date:  
 Date Sent to State Off:  
 Date Received at State Off:

Other Information:  
 State or Federal:  
 Owner Name Connector:  
 Water District Number:  
 Generic Max Rate per Acre:  
 Generic Max Volume per Acre:  
 Swan Falls Trust or Nontrust:  
 Swan Falls Dismissed:  
 DLE Act Number:  
 Cary Act Number:  
 Mitigation Plan: False

[Close](#)

FOR OFFICE USE ONLY  
Amt. of Fee \$: 175.00  
Receipt No. 0072803  
Receipt By: MC  
Date Received: 2/24/04

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES

RECEIVED

PROOF OF BENEFICIAL USE

FEB 24 2004

Department of Water Resources

The Idaho Department of Water Resources considers this form a statement that the permit holder(s) has/have completed development that will occur under this permit and that water has been applied according to the provisions of the permit for beneficial use(s) described below. This form must be accompanied by a license examination fee, when necessary, or accompanied by a completed field examination report prepared by a certified water right examiner.

1. Permit No. 63-12591 Telephone No. 208-465-2270
2. Name of Permit Holder(s): City of Nampa
3. Mailing Address: 411 Third Street North  
City Nampa State Idaho Zip 83642
4. Source of Water: Groundwater If GROUNDWATER (well), Date Drilled: mo. June / yr. 2001  
Well Driller: Riverside Drilling Permit Number: ? - - - - -
5. Use(s) (as authorized by the water right permit): Municipal  
Domestic (No. of households): X Stockwater (No. and type of stock): \_\_\_\_\_  
Irrigation (No. of acres): X Other: \_\_\_\_\_
6. Total rate of diversion and/or volume for which proof is submitted: 3.5 cfs OR \_\_\_\_\_ acre-feet
7. Measuring Device Requirement: (refer to the approval conditions on your permit and respond accordingly)  
(This question is not optional. Please check either yes or no. Proofs returned not checked accordingly, will be considered incomplete)  
Measuring Device: Is a measuring device required? Yes \_\_\_\_\_ or No X  
Has the measuring device been installed? Yes X or No \_\_\_\_\_
8. Fee Enclosed: \$ 175.00 (See Fee Schedule on back of the instructions for filing proof of beneficial use)
9. Person to contact to accompany the Department representative during field examination of the water system.  
Name: Keith Begay - Water Dept. Telephone Number: 465-2209  
Address: 923 First Street South, Nampa, Idaho 83651

10. The information given on this form is my true statement of the extent to which the above numbered permit has been developed and water has been diverted. I agree to relinquish any undeveloped portion of the permit to the State of Idaho.

Signature of permit holder: [Signature]  
(include your title, if on behalf of company or organization)

Date: 2-6-04

MICROFILMED

MAR 16 2004

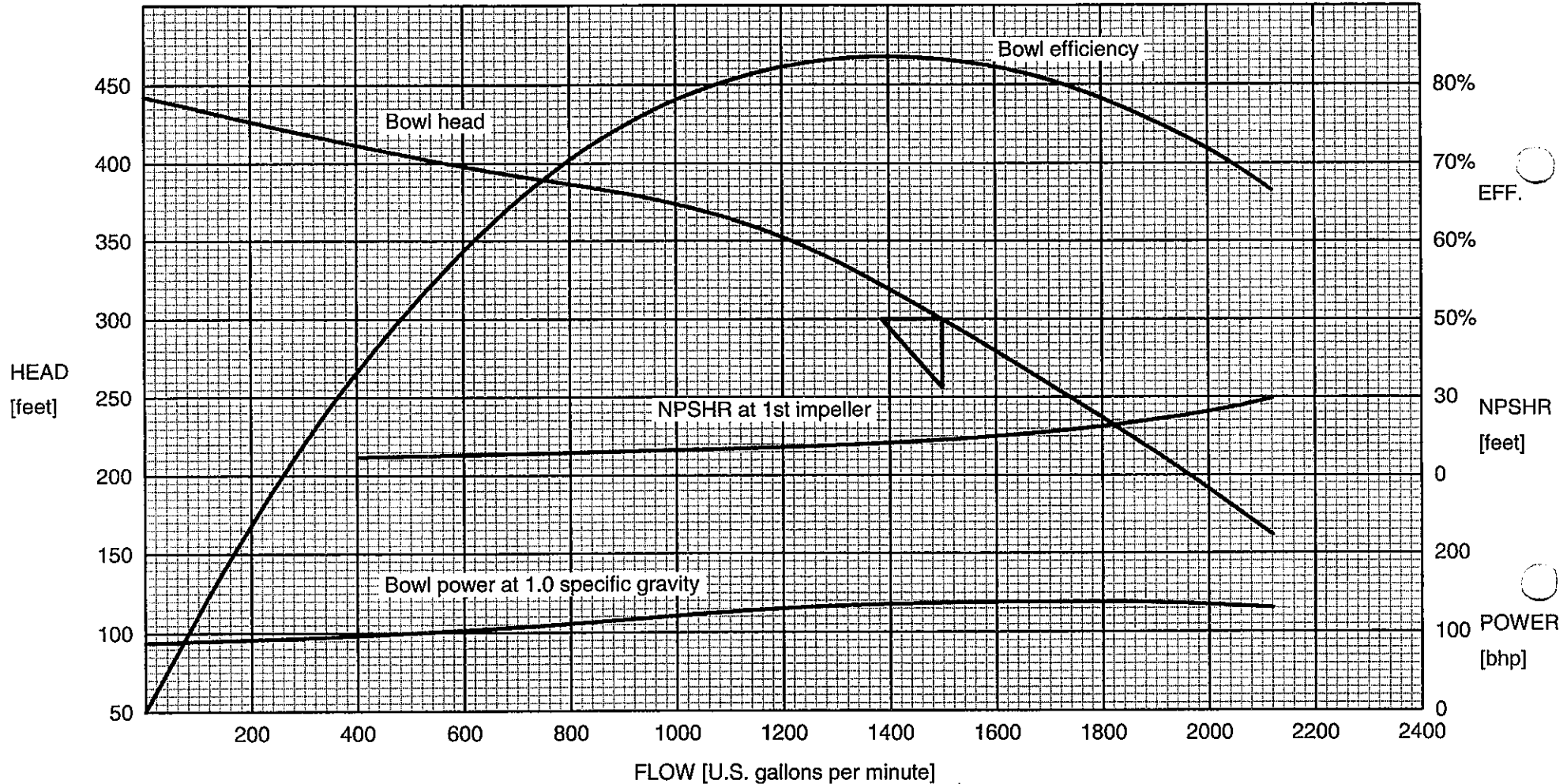


**ATTACHMENT B**  
**PUMP CURVE, DIAGRAM AND WELL LOG**

The head and power may be different than shown in accordance with Hydraulic Institute standards.

NAMPA WELL #14

QTY (1) 150 HP WELL PUMP



RIVERSIDE, INC  
PARMA, ID

**Floway PUMPS**

FRESNO, CALIFORNIA

A **WEIR** COMPANY

Copyright © Floway Pumps All Rights Reserved

TYPE: 14JKL  
NO. OF STAGES: 4  
R.P.M.: 1779  
PUMP SERIAL NO.:

DWG. NO.  
Archimedes Profes

1.3 (printed: 6/23/2003 3:43:48 PM)

DWN. BY: rayc

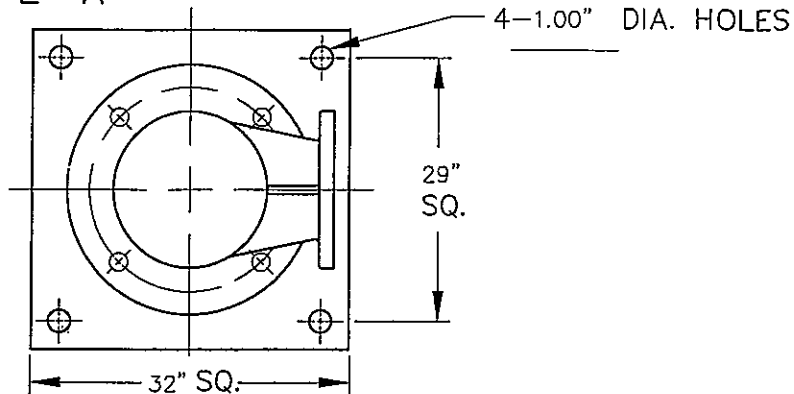
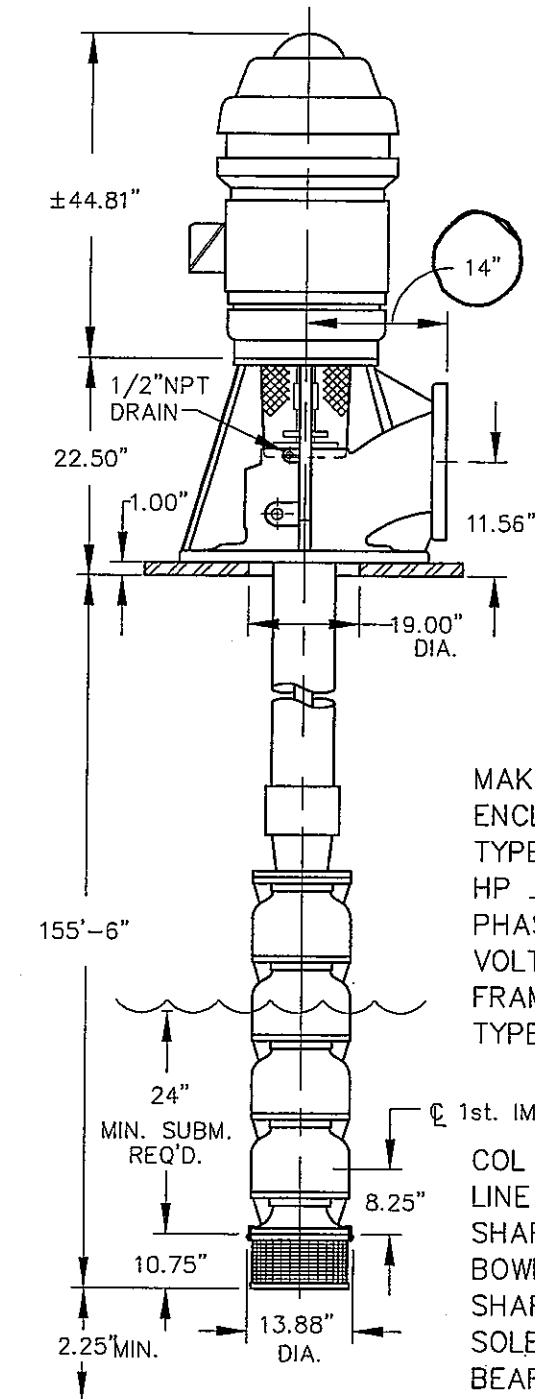
DATE: 3/2003



FRESNO, CALIFORNIA

# VERTICAL TURBINE PUMP

TYPE "A"



DISCHARGE

10" 125# ANSI-F.F. FLG.  
 (12) @ 1.00" DIA. HOLES \*  
 14.50" DIA. BOLT CIRCLE  
 16" DIA. FLANGE

\* BOLT HOLES STRADDLE VERTICAL C

## MOTOR

MAKE US  
 ENCLOSURE WP-1  
 TYPE VHS NRR YES  
 HP 150 RPM 1170  
 PHASE 3 HERTZ 60  
 VOLTAGE 460  
 FRAME NO. 0  
 TYPE COUPLING THREADED

## PUMP

10" x 16.5" "A" C.I. DISCH HD.  
 1.50" LINE SHAFT 10" COL  
 0 SHAFT TUBE  
 PROD. LUBE YES OIL LUBE NO  
 TYPE 14JKL STAGE 4  
 1500 GPM 300' BOWL HD  
 IMPELLER ENCLOSED  
 STRAINER YES

## MATERIAL

COL PIPE A53-BR.B SCH 30 STL  
 LINE SHAFT A108-GR 1045 STL  
 SHAFT TUBE ----  
 BOWL SHAFT A582-416 SS  
 SHAFT PACKING JC #1340  
 SOLE PLATE A516-GR 70 STL  
 BEARING RETAINER ----

PUMP BOWL A48-CL30 CIE  
 IMPELLER B584-838 BRZ  
 BEARINGS(BOWL) B505-932 BRZ  
 BEARINGS(LINESHAFT) NEOPRENE  
 STRAINER GALVANIZED STL  
 BOWL W/R ----  
 IMPELLER W/R ----

## REMARKS

NO. UNITS REQ'D. 1  
 150 HP WELL PUMP  
 WELL #14

FLUID WATER  
 SPEC. GRAVITY 1  
 VISCOSITY ----  
 TEMPERATURE AMBIENT  
 PH ----

CUSTOMER NAMPA WELL #14

ORDER NO. ----  
 SUPPLIER RIVERSIDE, INC.  
111 SOUTH ROSWELL BLVD.  
P.O. BOX 720  
PARMA, ID 83660

DWG. NO. Q#45946-1D  
 SERIAL NO. ----

By: JR/RC Date: 06/18/03

NOT TO BE USED  
 FOR CONSTRUCTION  
 UNLESS CERTIFIED

A **WEIR** COMPANY

1. WELL TAG NO. D 15314  
 DRILLING PERMIT NO. \_\_\_\_\_  
 Other IDWR No. 63-12591

**2. OWNER:**

Name CITY OF NAMPA  
Address 411 THIRD STREET SOUTH  
City NAMPA State ID Zip 83651

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.


 Twp. 3 North ☒ or South ☐  
 Rge. 2 East ☐ or West ☒  
 Sec. 29 NE  $\frac{1}{4}$  NE  $\frac{1}{4}$  SW  $\frac{1}{4}$   
 Gov't Lot \_\_\_\_\_ County CANYON <sup>10 acres</sup> <sub>160 acres</sub>  
 Lat. : : Long. : :  
 Address of Well Site W. ROOSEVELT AVE  
3000' WEST OF MINARD BLVD City \_\_\_\_\_  
 (Give at least name of road or distance to Road or Landmark)  
 Lt. Blk. Sub. Name

**4. USE:**

☐ Domestic    ☒ Municipal    ☐ Monitor    ☐ Irrigation  
☐ Thermal    ☐ Injection    ☐ Other \_\_\_\_\_

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 FILTER PACK |      |     | AMOUNT          | METHOD    |
|------------------|------|-----|-----------------|-----------|
| Material         | From | To  | Sacks or Pounds |           |
| BENTONITE        | 0    | 186 | 36050           | OVER BORE |
| BENTONITE        | 239  | 259 | 2800            | DRY POWR  |
| BENTONITE        | 316  | 336 | 1400            |           |

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) \_\_\_\_\_  
Was drive shoe seal tested? ☐ Y ☐ N How? \_\_\_\_\_

8. CASING/LINER:

| Diameter | From | To  | Gauge | Material | Casing | Liner                    | Welded | Threaded                 |
|----------|------|-----|-------|----------|--------|--------------------------|--------|--------------------------|
| 20"      | +3   | 186 | 375   | Steel    | X      | <input type="checkbox"/> | X      | <input type="checkbox"/> |
| 16"      | 166  | 188 | 375   | Steel    | X      | <input type="checkbox"/> | X      | <input type="checkbox"/> |
| 16"      | 200  | 213 | 375   | Steel    | X      | <input type="checkbox"/> | X      | <input type="checkbox"/> |

SEE ATTACHED SHEET

## 9. PERFORATIONS/SCREENS

Perforations \_\_\_\_\_ Method \_\_\_\_\_  
Screens                      Screen Type JOHNSON WIRE WRAP

| From | To  | Slot Size | Number | Diameter | Material | Casing | Liner                    |
|------|-----|-----------|--------|----------|----------|--------|--------------------------|
| 188  | 200 | .030      |        | 16       | SS       | X      | <input type="checkbox"/> |
| 213  | 219 | .030      |        | 16       | SS       | X      | <input type="checkbox"/> |
| 222  | 313 | .030      |        | 16       | SS       | X      | <input type="checkbox"/> |

SEE ATTACHED SHEET

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

13 ft. below ground Artesian pressure \_\_\_\_\_ lb.  
Depth flow encountered \_\_\_\_\_ ft. Describe access port or  
control devices: 2" 45"

## 11. WELL TESTS:

☒ Pump    ☐ Bailer    ☐ Air    ☐ Flowing Artesian

| Yield gal./min. | Drawdown | Pumping Level | Time  |
|-----------------|----------|---------------|-------|
| 2000            | 65.2     | 78.2'         | 2 hrs |
|                 |          |               |       |
|                 |          |               |       |

Water Temp. 62° Bottom hole temp. \_\_\_\_\_  
Water Quality test or comments: \_\_\_\_\_

## 12. LITHOLOGIC LOG: (Describe repairs or abandonment) Water

| Bore Dia. | From | To  | Remarks: Lithology, Water Quality & Temperature | Y | H |
|-----------|------|-----|-------------------------------------------------|---|---|
| 28        | 0    | 5   | TOP SOIL                                        |   |   |
|           | 5    | 19  | BURNT BRN CLAY w/ SAND MIX                      | X |   |
|           | 19   | 36  | LT TAN COARSE SAND                              |   |   |
|           | 36   | 42  | BRN CLAY                                        |   |   |
|           | 42   | 56  | LT TAN COARSE SAND                              |   |   |
|           | 56   | 57  | BURNT BRN CLAY                                  |   |   |
|           | 57   | 59  | FINE BRN SAND                                   |   |   |
|           | 59   | 61  | BURNT BRN CLAY                                  |   |   |
|           | 61   | 64  | COARSE BRN SAND                                 |   |   |
|           | 64   | 106 | BURNT BRN CLAY                                  |   |   |
|           | 106  | 176 | SAND, GRAVEL, RIVER ROCK                        |   |   |
|           | 176  | 178 | SANDY TAN CLAY                                  |   |   |
|           | 178  | 181 | SAND, GRAVEL                                    |   |   |
|           | 181  | 188 | BRN CLAY                                        |   |   |
|           | 188  | 198 | SAND, GRAVEL                                    |   |   |
|           | 198  | 300 | FINE SAND                                       |   |   |
|           | 300  | 303 | TAN CLAY                                        |   |   |
|           | 303  | 306 | FINE SAND                                       |   |   |
|           | 306  | 313 | TAN CLAY                                        |   |   |
|           | 313  | 319 | MED SAND                                        |   |   |
|           | 319  | 325 | TAN CLAY                                        |   |   |
|           | 325  | 329 | MED SAND                                        |   |   |
|           | 329  | 377 | TAN CLAY                                        |   |   |
|           | 377  | 379 | MED SAND                                        |   |   |
|           | 379  | 384 | TAN CLAY                                        |   |   |
|           | 384  | 388 | MED SAND                                        |   |   |
|           | 388  | 392 | TAN CLAY                                        |   |   |
|           | 392  | 312 | MED SAND                                        |   |   |
|           | 312  | 341 | TAN CLAY                                        |   |   |
|           | 341  | 349 | FINE - MED SAND                                 |   |   |
|           | 349  | 367 | TAN CLAY w/ SAND STREAKS                        |   |   |
|           | 367  | 377 | MED SAND                                        |   |   |
|           | 377  | 380 | TAN CLAY                                        |   |   |

Completed Depth 380' (Measurable)  
Date: Started 5-15-01 Completed 6-29-01

### 13. DRILLER'S CERTIFICATION

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

Company Name RIVERSIDE INC. Firm No. 333

Firm Official \_\_\_\_\_ Date \_\_\_\_\_  
and  
Driver or Operator \_\_\_\_\_ Date 7-9-01  
(Sign once if Firm Official & Operator)

FORWARD WHITE COPY TO WATER RESOURCES

FORWARD WHITE COPY TO WATER RESOURCES



**ATTACHMENT C**  
**PLACE OF USE OVERLAPS**

B.1. Water rights with the same place of use for City's potable municipal system  
(does not include City's water rights used in their irrigation municipal system):

| Water Right No. | Water Right Status | Well No.       |
|-----------------|--------------------|----------------|
| 63-02533        | License            | 1,2            |
| 3-02779         | License            | 3              |
| 63-02781        | License            | 4              |
| 63-02782        | License            | 5              |
| 63-05258        | Claim              | 6              |
| 63-07567        | License            | 8              |
| 63-08324        | License            | 9              |
| 63-09180        | License            | 10             |
| 63-10212        | License            | 7              |
| 63-11511        | License            | 9              |
| 63-28219        | Claim              | 1,2            |
| 63-28220        | Claim              | 5              |
| 63-11729        | License            | 12             |
| 63-12463        | Permit             | 17             |
| 63-12474        | Permit             | 11             |
| 63-12543        | License            | 16             |
| 63-12591        | Permit             | 14             |
| 63-32337        | Permit             | 15             |
| 63-32835        | Application        | Coyote Springs |

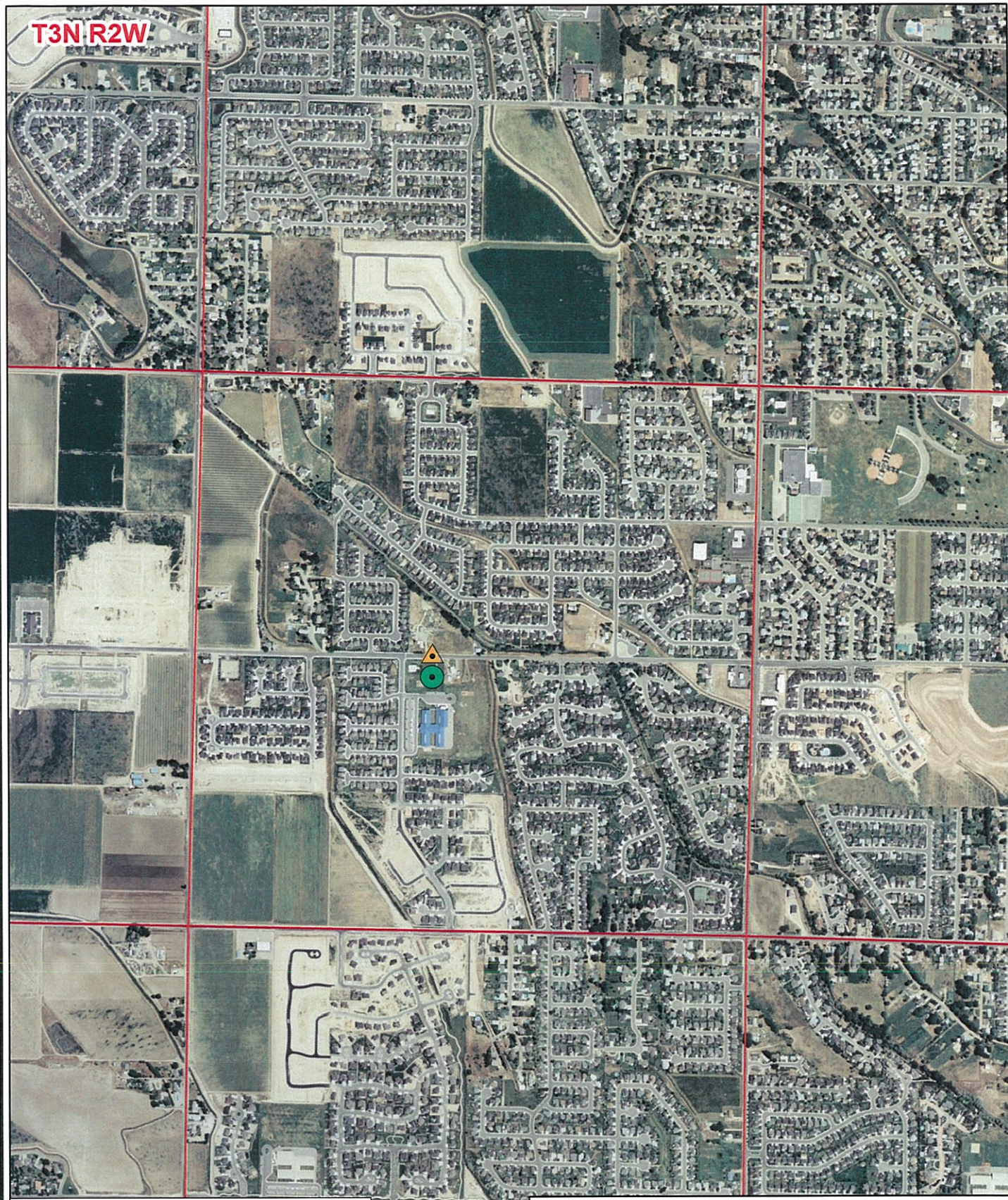


**ATTACHMENT D**

**RECOMMENDED POINT OF DIVERSION**  
**2006 NAIP PHOTO & TOPO MAP**



T3N R2W

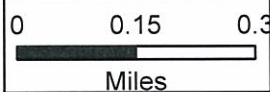


## Legend

-  Point of Diversion
-  Potable System Connection



City of Nampa  
Permit 63-12591

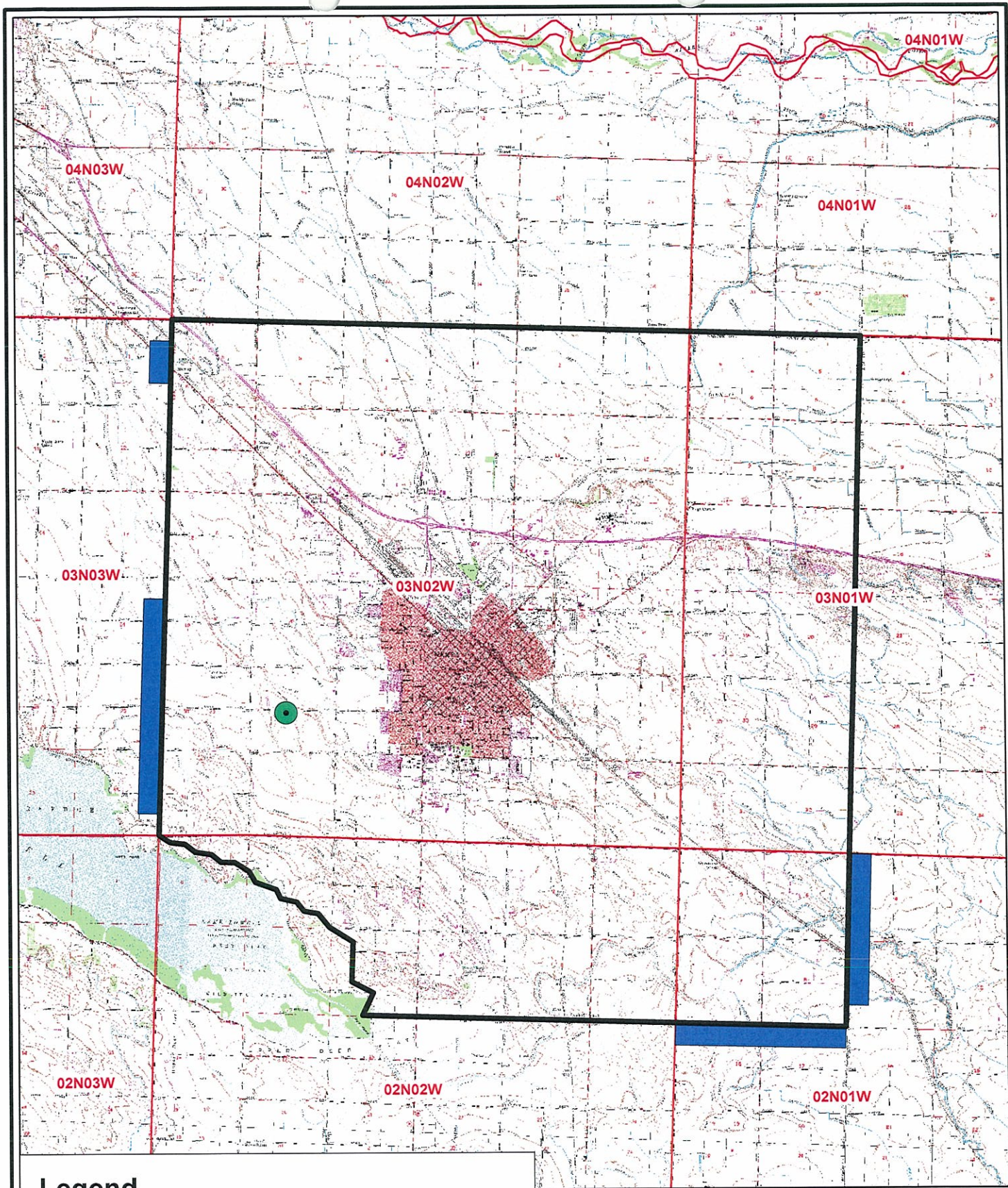


Water Engineering, LLC  
water resource consultants  
600 E. River Park Lane, Ste. 105, Boise, Idaho 83706  
tel: 208.383.4140 fax: 208.383.4155





**ATTACHMENT E**  
**CURRENT PLACE OF USE**



### Legend

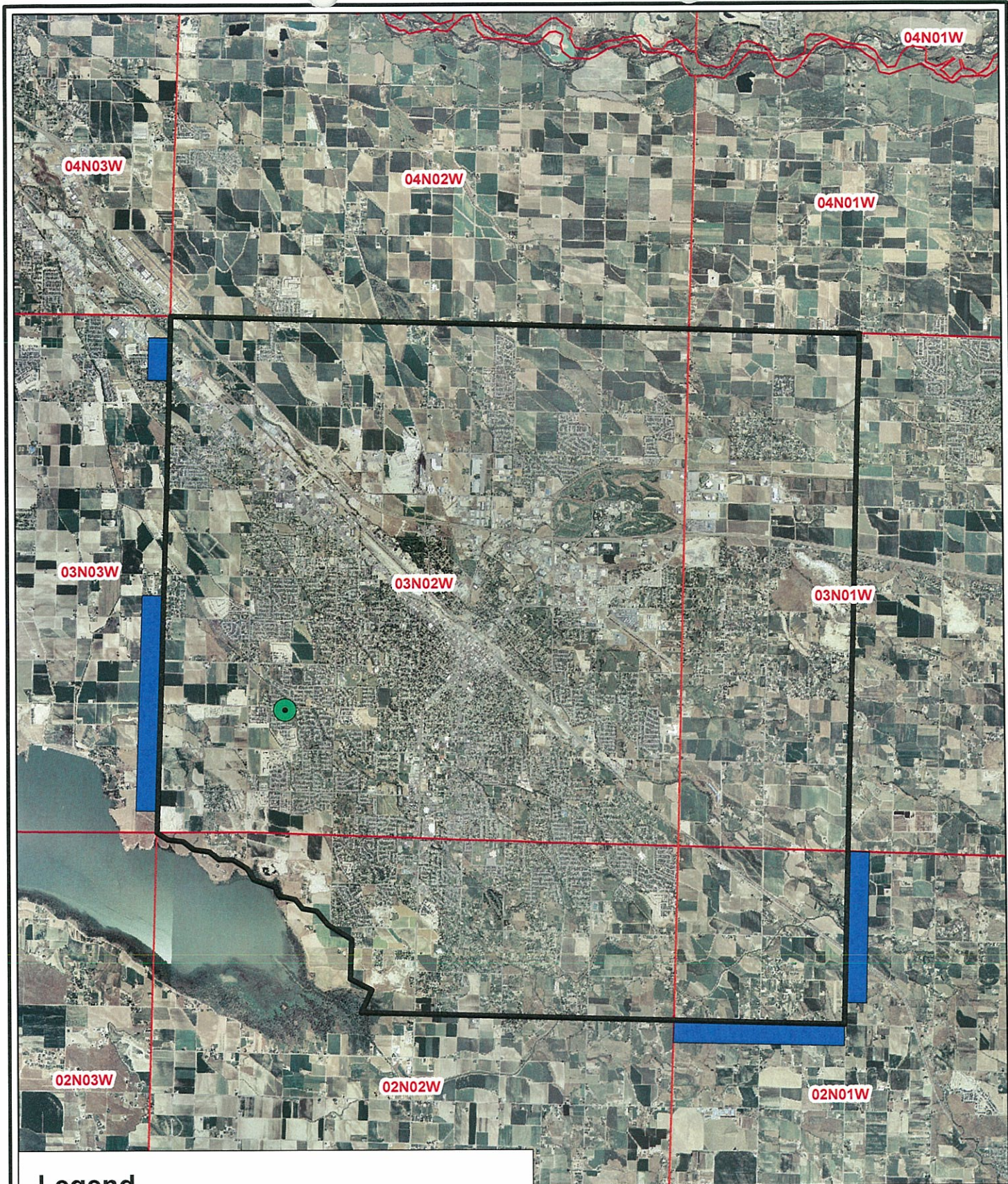
-  Current GIS Shape for Nampa's Service Area
-  Omitted Service Area
-  Point of Diversion

### City of Nampa Permit 63-12591



Water Engineering, LLC  
water resource consultants  
600 E. River Park Lane, Ste 105, Boise, Idaho 83706  
Tel: 208.383.4140 Fax: 208.383.4156

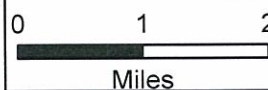




### Legend

-  Current GIS Shape for Nampa's Service Area
-  Omitted Service Area
-  Point of Diversion

**City of Nampa**  
**Permit 63-12591**



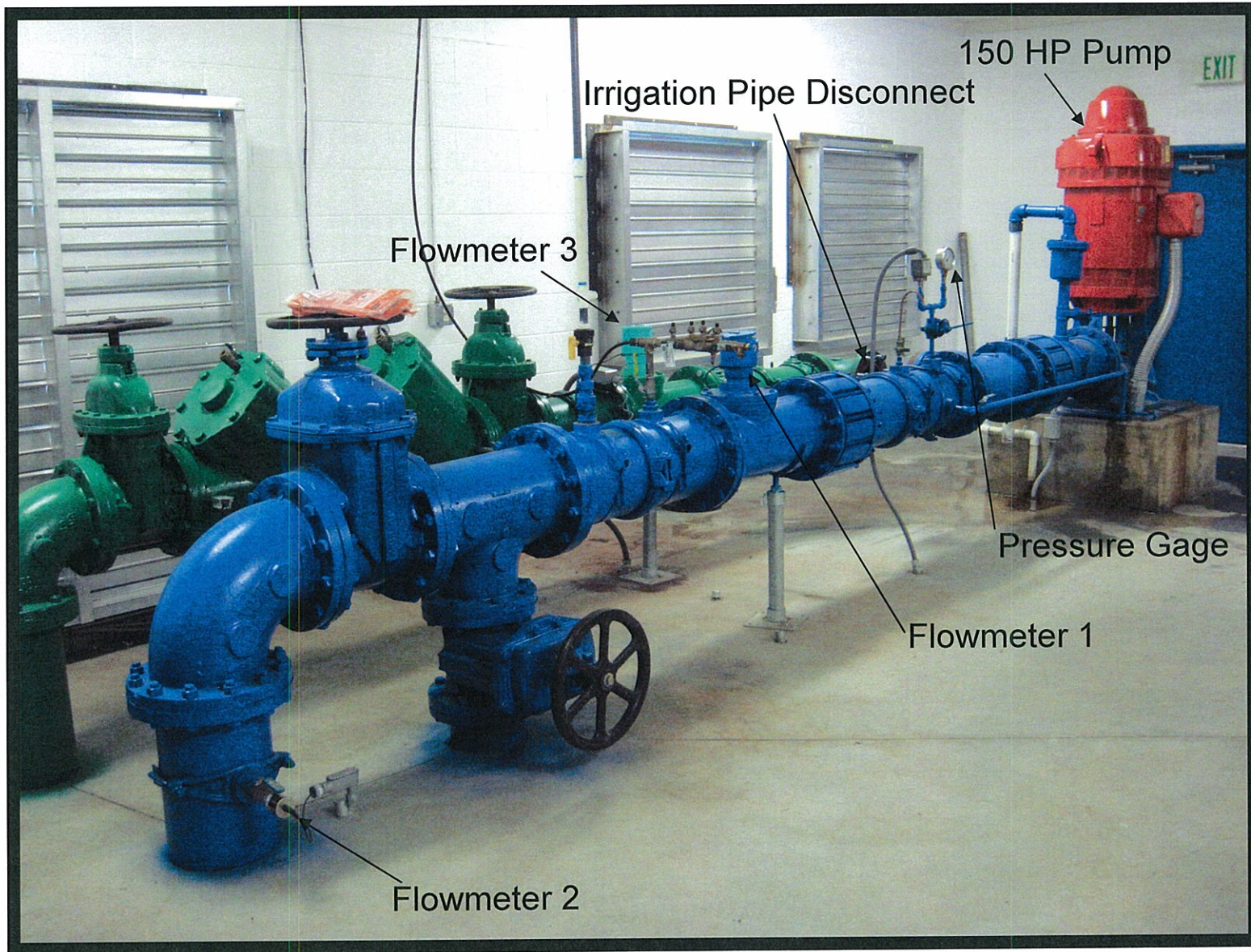
**Water Engineering, LLC**  
water resource consultants  
600 E. River Park Lane, Ste. 100, Boise, Idaho 83706  
Tel: 208.383.4140 Fax: 208.383.4156

**ATTACHMENT F**  
**SYSTEM PHOTOS**



150 HP Turbine Pump

## Well #14 Diversion System



Green Pipe Discharges to Municipal Irrigation System  
Blue Pipe Discharges to Municipal Potable System



Chlorinating System



Well/Pump House