



RUEN-YEAGER & ASSOCIATES, INC.

CONSULTING ENGINEERS AND LAND SURVEYORS
DEPARTMENT OF
WATER RESOURCES

RECEIVED

May 19, 2004

Ms. Deborah J. Gibson
Administrative Assistant
Water Allocation Bureau
Department of Water Resources
1301 North Orchard Street
Boise, ID 83706

**RE: Green Ferry Water & Sewer District
Lapsed Permit No. 95-9082
RYA Project No. P04016**

Dear Ms. Gibson:

On behalf of the Greenferry Water & Sewer District I am submitting proof of "development and beneficial use" for the well related to the lapsed permit mentioned above. Listed below is a timeline of events for the installation of the well and pump. Supporting documentation is also attached.

April 2001	Engineering plans submitted to DEQ
May 2001	DEQ approval of Well Construction Plans
August 2001	Contract awarded to H2O Well Service
September 2001	Contract signed with H2O Well Service
October 2001	IDWR issues drilling permit
November 2001	Well is drilled
December 2001	Final payment for well drilling
October 2002	Design of pump & well house modifications
May 2003	DEQ approval of Pump Installation / Well House Plans
June 2003	Contract signed with Lawrence Construction for pump installation
October 2003	Pump testing completed
November 2003	Final acceptance of pump improvements
December 2003	As-builts submitted to DEQ

Ms. Deborah J. Gibson

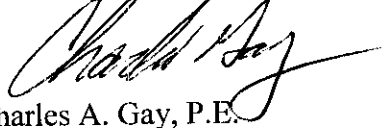
May 19, 2004

Page - 2

I am hopeful that this provides the information you have requested. If you have any questions or need any additional information, please feel free to call me.

Sincerely,

RUEN-YEAGER & ASSOCIATES, INC.

A handwritten signature in black ink, appearing to read "Charles A. Gay", written over the printed name below.

Charles A. Gay, P.E.

CAG/bmc

Enclosures

cc: David Muncey, Chairman, Greenferry Water and Sewer District



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

RECEIVED MAY 30 2001

RECEIVED

MAY 21 2004

DEPARTMENT OF
WATER RESOURCES

2110 Ironwood Parkway • Coeur d'Alene, Idaho 83814-2648 • (208) 769-1422

Dirk Kempthorne, Governor
C. Stephen Allred, Director

May 25, 2001

Mr. Bob Sloyka, Chair
Greens Ferry Water and Sewer District
PO Box 1105
Post Falls, ID 83854

RE: **Backup Well Project**

Dear Mr. Sloyka:

Plans and specifications submitted by Charlie Gay, P.E. on April 18, 2001 for design of a backup well for the District have been reviewed. They were found to be in accordance with the Idaho Rules for Public Drinking Water Systems and Water Quality Standards, and are approved for construction purposes in accordance with Section 39-118 of Idaho Code.

This approval is contingent upon the following:

In Part III; Section 5.01 B Well Location; a check of the records indicates no well site approval from DEQ. Contact Tony Davis for this step. If this contingency has been completed, please forward a copy of such correspondence.

Section 5.01 C well construction needs to comply with 10-States Standards (enclosed), Section 5.02 B; the well casing thickness is listed as 0.25-inches; required thickness for a Public Well of 12-inch diameter is 0.375-inches. This change is required.

Chapter 5.04 C; Paragraph 1, the 600 gpm development cycle did not have a time indicated, I assume 5 minutes as is the case with the others.

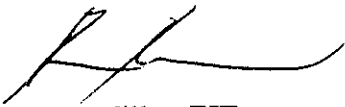
As a suggestion, installing an air line with the final pump assists with determining drawdown and other useful long term indicators of the wells condition.

Inspection of construction activities approved herein must be done by an Idaho licensed Professional Engineer (P.E.). If major modifications to this accepted design are necessary, approval by this office must be secured prior to implementation of the changes.

Mr. Sloyka
Greens Ferry W&S / Backup Well Project
May 25, 2001
Page 2

Section 39-118 of Idaho Code requires that as-built plans as certified by the inspecting engineer be submitted to this office for review and approval within thirty (30) days of completion of construction. If construction is not completed within one year of the date of this letter, this construction approval expires and you must request in writing for reapproval of the plans and specifications by DEQ.

Sincerely,

A handwritten signature in dark ink, appearing to be 'Alan Miller', with a stylized, sweeping underline.

Alan Miller, EIT

c: Charles Gay PE, Ruen-Yeager & Assoc, 5685 E Seltice Way, Post Falls, ID 83854
Steve Tanner/Tony Davis/DEQ-CDA

CONTRACT AGREEMENT

THIS AGREEMENT, made this 7th day of September, 2001, by and between the GREEN FERRY WATER AND SEWER DISTRICT hereinafter called "OWNER", and H2O Well Service Inc. doing business as Same, hereinafter called "CONTRACTOR".

WITNESSETH: That for and in consideration of the payments and agreements hereinafter mentioned:

1. The CONTRACTOR will commence and complete the construction of **GREEN FERRY WATER AND SEWER DISTRICT – BACK UP WELL PROJECT**, for the Contract Amount of \$ 31,792.00.
2. The CONTRACTOR will furnish all of the material, supplies, tools, equipment, labor and other services necessary for the construction and completion of the PROJECT described herein.
3. The CONTRACTOR will commence the work required by the Contract Documents* within thirty (30) calendar days after the date of the Notice to Proceed and will complete the same within sixty (60) calendar days unless the period for completion is otherwise extended by the Contract Documents.
4. The CONTRACTOR agrees to perform all of the Work described in the Contract Documents and comply with the terms therein for the unit prices as shown in the BID PROPOSAL.
5. The OWNER will pay to the CONTRACTOR in the manner as set forth in the General Conditions such amounts as required by the Contract Documents.
6. This Agreement shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors and assigns.
7. If said Work is not completed within the time specified, the CONTRACTOR agrees to pay to the OWNER the sum of **\$200.00** for each and every day said work remains uncompleted after expiration of the specified time, as liquidated damages.
8. The Bonds will be held in full force and effect through the guarantee period.
9. The CONTRACTOR agrees to a one (1) year guarantee period for all labor, material and workmanship after receiving the Certificate of Substantial Completion. The CONTRACTOR shall provide the necessary warranty to the OWNER.

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Agreement in four (4) copies each of which shall be deemed an original on the date first above written.

* The "Contract Documents" include the following:

- A. ADVERTISEMENT FOR BIDS
- B. INSTRUCTIONS TO BIDDERS
- C. BID PROPOSAL
- D. BID BOND
- E. CONTRACTOR'S NON-COLLUSION AFFIDAVIT
- F. NOTICE OF AWARD
- G. ACCEPTANCE OF NOTICE
- H. CONTRACT AGREEMENT
- I. PERFORMANCE BOND
- J. PAYMENT BOND
- K. CERTIFICATE OF INSURANCE
- L. NOTICE TO PROCEED
- M. ACCEPTANCE OF NOTICE
- N. CHANGE ORDER(S)
- O. PAYMENT ESTIMATE(S)
- P. DRAWINGS prepared by Ruen-Yeager & Associates, Inc.
- Q. GENERAL CONDITIONS
- R. TECHNICAL SPECIFICATIONS
- S. CONTRACT COMPLETION DOCUMENTS (FORMS) AS EXECUTED
- T. ADDENDA:

No. 1, dated, July 19th, 2001
No. 2, dated, July 19th, 2001
No. _____, dated, _____, 2001
No. _____, dated, _____, 2001
No. _____, dated, _____, 2001

OWNER:

Green Ferry Water and Sewer District

By

Name

Title

(seal)

ATTEST:

Name

Title

(Please Type)

CONTRACTOR H2O Well Service Inc.

By

Name

(Please Type)

Company

Address 582 West Hayden Ave., Hayden Lake ID 8835

(seal)

ATTEST:

Name

Title

Carol Wheeler

(Please Type)

Secretary

NOTICE TO PROCEED
GREEN FERRY WATER AND SEWER DISTRICT
BACK UP WELL PROJECT

TO: H2O Well Service, Inc. Date: September 24, 2001

582 West Hayden Avenue

Hayden, Idaho 83835

You are hereby notified to commence WORK within thirty (30) days of this Notice in accordance with the Agreement dated **September 7, 2001** on or before **October 1, 2001** and you are to complete the WORK within the time limits as follows:
SIXTY (60) CALENDAR DAYS thereafter. The date of completion of all WORK is therefore **November 30, 2001**.

GREEN FERRY WATER AND SEWER DISTRICT

By

Title

Printed 10/30/2001
Ident No. 771866
Well Tag No. D0017929
Well ID # 343781
Receipt # N014729
Approved Date 10/30/2001

**STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
DRILLING PERMIT**

Relationship: Owner/Operator
Name: GREEN FERRY WATER & SEWER DISTRICT
Address: PO BOX 1105
POST FALLS ID 83854

Phone: (208)773-2781

Proposed Well Location: Township 50N, Range 05W, Section 12, SW, NW
COUNTY KOOTENAI

Street Address of Well Site: NONE GIVEN
POST FALLS ID

Proposed Use of Well: Municipal

Well Construction Information:

- A. New Well
- B. Proposed Surface Diameter: 12 Inches. Proposed Depth Feet.
- C. Anticipated Bottom Hole Temperature: 85F and less

Construction Start Date: Oct 25 2001

Anticipated Well Drilling Company: H2O WELL SERVICE (No. 448)

Applicant's Signature: _____

Date 10/30/01

Title: _____

Admin. Drill Asst.

Well ID # 343781

Well Tag No. D0017929

ACTION OF THE DEPARTMENT OF WATER RESOURCES

This permit is Approved on Tuesday, October 30, 2001.

1. This drilling permit is valid for two (2) months from the approval date for the start of construction and is valid for one (1) year from the approval date for completion of the well unless an extension has been granted.
2. This permit does not constitute an approval of the District Health Department or the Idaho Department of Health and Welfare which may be required prior to construction of this well. The local Health Department should be contacted for septic tank/drainfield locations. Domestic wells must not be drilled closer than 100 ft. from any drainfield and 50 ft. from any septic tank. Public Water Supply wells must not be drilled closer than 100 ft. from any drainfield or septic tank.
3. The well shall be constructed by a driller currently licensed in the state of Idaho who must maintain a copy of the drilling permit at the drilling site.
4. Approval of this drilling permit does not authorize trespass on the land of another party.
5. This permit does not constitute other local, county, state or federal approvals which may be required for construction of a well.
6. This drilling permit does not represent a right to divert and use the water of the State of Idaho.
7. If a bottom hole temperature of 85 Degrees F (29.44 oC) or greater is encountered, well construction shall cease and the well driller and the well owner shall contact the Department immediately.
8. Idaho Code, S 55-2201 - 55-2210 requires the applicant and/or his contractors to contact "Digline" (DigLine is a one-call center for utility notification) not less than 2 working days prior to the start of any excavation for this project. The "Dig Line " Number for your area is &DIG-LINE-NUMBER
9. Please be advised that this drilling permit should be considered and treated as a preliminary permit. If you are in disagreement with this preliminary permit you have fourteen (14) days of the service date of this permit to petition the Department for reconsideration pursuant to Section 67-5243, Idaho Code.



Signature of Authorized Dept. Representative

REGIONAL MANAGER

Title

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Office Use Only			
Inspected by			
Twp	Rge	Sec	
1/4	1/4	1/4	
Lat	:	:	Long

1. WELL TAG NO. D0017929

Drilling Permit No: _____

Other IDWR No. _____

2. OWNER

Well Number: _____

Name GREEN FERRY WATER & SEWER

330

Address PO BOX 1105

City POST FALLS State ID Zip 83854

3. LOCATION OF WELL by legal description

sketch map location must agree with written location

X			

Twp. 50N ☒ North or ☐ South

Rge. 5W ☐ East or ☒ West

E Sec. 12 SW 1/4 NW 1/4 1/4

Gov't Lot _____ County KOOTENAI

Lat: _____ Long: _____

Address of Well Site

City POST FALLS

(Give at least name of road + 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 _____

7. SEALING PROCEDURES

SEAL/FILTER PACK		AMOUNT		METHOD
Material	From	To	Sacks or Pounds	
BENTONITE	0	20	150 GALS	OVERBORE

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

Was drive shoe seal tested? ☐ Y ☐ N How? _____

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
12	+1	185	.280	STEEL	☒	☐	☒	☐

Length of Headpipe 5 Length of Tailpipe _____

9. PERFORATIONS/SCREENS

☐ Perforations Method TELESCOPING

☒ Screens Screen Type STAINLESS STEEL

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
185	205	40	20	12	SS	☐	☐
205	245	60	20	12	SS	☐	☐

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

150 ft. below ground Artesian pressure _____ lb.

Depth flow encountered 200 ft. Describe access port or control devices: _____

11. WELL TESTS:

☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
800+			1 HR

Water Temp. COLD Bottom Hole Temp COLD

Water Quality test or comments: CLEAR

Depth first Water encountered 200

12. LITHOLOGIC LOG:(Describe repairs or abandonment)

				Water	
Bore Diam	From	To	Remarks: Lithology, Water Quality, Temperature	Y	N
16	0	32	Soil w/Cobble & Gravel	☐	☐
12	32	78	Sand & Gravel	☐	☐
12	78	103	Sand & Gravel w/ Cobble	☐	☐
12	103	245	Sand Course w/small Gravel 3/8 minus	☒	☐

COPY

Completed Depth 245 (Measurable)
Date: Started 10/15/01 Completed 10/28/01

13. DRILLER'S CERTIFICATION

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

Firm Name H2O WellService, Inc. Firm No. 448

Firm Official _____ Date _____

and Supervisor or Operator _____ Date _____

(Sign Once if Firm Official and Operator)

Louie Hanner



RUEN-YEAGER & ASSOCIATES, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS

December 3, 2001

FILE COPY

Mr. Bob Sloyka, Chairman
Green Ferry Water and Sewer District
P.O. Box 1105
Post Falls, ID 83854

Re: Backup Well Project
Project No. P00047B

Dear Bob:

I have reviewed the attached invoice submitted by H2O Well Service and recommend payment in the amount of \$43,867.00, in accordance with the terms of the Agreement and Change Order Number 1.

If you have any questions, please contact me at the number listed below.

Sincerely,
RUEN-YEAGER & ASSOCIATES, INC.

Charles A. Gay, P.E.

CAG:bmc

Enclosure

F:\Projects\2000\GFWS\P2000 Ltr re: payment



582 West Hayden Avenue • Hayden Lake, Idaho 83835
(208) 772-4004 Office • (800) 772-4901 Toll Free • (208) 772-4892 Fax • (509) 624-4508

***** INVOICE *****

INVOICE NUMBER: 0004107-IN
INVOICE DATE: 10/31/01

SALESPERSON: TR
TAX CODE: ID

GRE2781
GREEN FERRY WATER & SEWER DIST
PO BOX 1105
Post Falls ID 83854

DUE ON RECEIPT
SVC CHGS AFTER 30 DAYS

ITEM NO.	UNIT	QUANTITY	PRICE	DISCOUNT	AMOUNT
WELL DRILLING - FOR BACKUP WELL SYSTEM DRILL RIG #14 HANNER & PENICK WELL COMPLETED ON 10/28/01					
/020	Foot	1.00	22,667.00	.00%	22,667.00
Drill & Case					
80C12375	FOOT	242.00	.00	.00%	.00
12" .375 wall steel casing					
85BCS	EACH	12.00	.00	.00%	.00
Casing Seal Bentonite 50# bag					
83DS12	EACH	1.00	.00	.00%	.00
12" Drive Shoe					
/127	EACH	1.00	14,300.00	.00%	14,300.00
12" Tele x 20' Stainless Steel					
/029	Hour	13.00	300.00	.00%	3,900.00
Well Development-Rig #14					
/041	Hour	1.00	3,000.00	.00%	3,000.00
Mob & DeMob-Rig #14					
94IDPERMITS	EACH	1.00	.00	.00%	.00
Domestic Id Drill Tags					

NET INVOICE: 43,867.00
LESS DISCOUNT: .00
FREIGHT: .00
SALES TAX: .00

INVOICE TOTAL: 43,867.00

CONTRACT AGREEMENT

THIS AGREEMENT, made this 9TH day of June, 2003, by and between the **GREENFERRY WATER AND SEWER DISTRICT** hereinafter called "OWNER," and **LAWRENCE CONSTRUCTION**, hereinafter called "CONTRACTOR."

WITNESSETH: That for and in consideration of the payments and agreements hereinafter mentioned:

1. The CONTRACTOR will commence and complete the construction of **GREENFERRY WATER AND SEWER DISTRICT - SUBMERSIBLE PUMP AND WELL HOUSE MODIFICATIONS**, for the Contract Amount of \$ 57,970.00.
2. The CONTRACTOR will furnish all of the material, supplies, tools, equipment, labor, and other services necessary for the construction and completion of the PROJECT described herein.
3. The CONTRACTOR will commence the work required by the Contract Documents* within thirty (30) calendar days after the date of the Notice to Proceed and will complete the same within sixty (60) calendar days unless the period for completion is otherwise extended by the Contract Documents.
4. The CONTRACTOR agrees to perform all of the Work described in the Contract Documents and comply with the terms therein for the unit prices as shown in the BID PROPOSAL.
5. The OWNER will pay to the CONTRACTOR in the manner as set forth in the General Conditions such amounts as required by the Contract Documents.
6. This Agreement shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assigns.
7. If said Work is not completed within the time specified, the CONTRACTOR agrees to pay to the OWNER the sum of \$200.00 for each and every day said work remains uncompleted after expiration of the specified time, as liquidated damages.
8. The Bonds will be held in full force and effect through the guarantee period.
9. The CONTRACTOR agrees to a one (1) year guarantee period for all labor, material and workmanship after receiving the Certificate of Substantial Completion. The CONTRACTOR shall provide the necessary warranty to the OWNER.

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Agreement in four (4) copies each of which shall be deemed an original on the date first above written.

* The "Contract Documents" include the following:

- A. ADVERTISEMENT FOR BIDS
- B. INSTRUCTIONS TO BIDDERS
- C. BID PROPOSAL
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- E. CONTRACTOR'S NON-COLLUSION AFFIDAVIT
- F. NOTICE OF AWARD
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- K. CERTIFICATE OF INSURANCE
- L. NOTICE TO PROCEED
- M. ACCEPTANCE OF NOTICE
- N. CHANGE ORDER(S)
- O. PAYMENT ESTIMATE(S)
- P. DRAWINGS prepared by Ruen-Yeager & Associates, Inc.
- Q. GENERAL CONDITIONS
- R. TECHNICAL SPECIFICATIONS
- S. CONTRACT COMPLETION DOCUMENTS (FORMS) AS EXECUTED
- T. ADDENDA:

No. _____, dated, _____, 2003

No. _____, dated, _____, 2003

No. _____, dated, _____, 2003

No. _____, dated, _____, 2003

No. _____, dated, _____, 2003

OWNER:

Greenferry Water & Sewer District

By David R Muncey

Name David R Muncey

Title Chairman

(seal)

ATTEST:

Jane S. Parks

Name Jane S. Parks
(Please Type)

Title District Clerk

CONTRACTOR

By [Signature]

Name GREG LAWRENCE
(Please Type)

Company LAWRENCE CONSTRUCTION

Address P. O. BOX 223 RATHDRUM, ID. 83858

(seal)

ATTEST:

Anne M. Brooks

Name ANNE M. BROOKS
(Please Type)

Title SECRETARY



RUEN-YEAGER & ASSOCIATES, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS

November 20, 2003

FILE COPY

Mr. David Muncey, Chairman
Greenferry Water & Sewer District
P.O. Box 1105
Post Falls, ID 83854

**Re: Final Acceptance of the Submersible Pump Improvements
Project No. P02031**

Dear Mr. Muncey:

On Monday, November 18, 2003, I met with Greg Lawrence, from Lawrence Construction, at the well site to determine the source of water on the north side of the pump house. Mr. Lawrence provided a backhoe and operator and exposed the pipeline from the new well to the well house and the discharge line to the drywell from the well house. We observed the pipelines under all conditions and at no time could determine that either of the pipelines were leaking water. The soils around the pipelines were not saturated. I am confident that there are no leaks in the system.

My other thought as to the source of water was the floor drain in the building. Each time a pump starts or stops, several gallons of water are discharged into the floor sump through the control valves and through a hole drilled in the discharge line for vacuum relief. This water is allowed to drain into the soils beneath the slab. Even though the drain has operated this way since it was built 10 years ago, I thought that maybe the soils were disturbed and created a new path for the drainage. After observing the excavation this past week, I do not believe this is the source of the surface water on the north side of the building either. There was no indication that any moisture was coming from under the building to the north. In fact, during the backfill of the ditches, a product called Controlled Density Fill (CDF) was used to backfill under the footings of the building. CDF is basically a lightweight concrete. The CDF creates a barrier under the footing of the building 5 feet deep. The water would need to go from the floor drain to a depth of 5 feet, north under the footing, and back to the surface. In the sands and gravels found at the site, this is not probable. I am confident that the source of the water on the north side of the building is not the floor drain inside the building.

The only explanation that I can determine is that all of the areas that were disturbed during construction were resurfaced with a layer of topsoil. This topsoil was placed over soils that were compacted to 95% compaction during construction. The existing site has very little if any topsoil. Because of this, the irrigation system is set to water frequently. I believe that the new topsoil on top of the compacted trench backfill is not allowing the free drainage of the surface water like the existing soils, and therefore is



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

RECEIVED

2110 Ironwood Parkway • Coeur d'Alene, Idaho 83814-2648 • (208) 769-1422

Dirk Kempthorne, Governor
C. Stephen Allred, Director

May 20, 2003

Mr. Bob Sloyka, Chairman
Green Ferry Water District
PO Box 1105
Post Falls, ID 83877

RE: Submersible Pump and Well House Modifications

Dear Mr. Sloyka:

Plans and specifications to bring the existing new well online have been reviewed. The plans were stamped by Charles A. Gay, P.E., of Ruen-Yeager & Associates and submitted on April 1, 2003. The plans call for the installation of a submersible pump in an existing 12-inch well and show the necessary piping inside the existing wellhouse. The plans and specifications were found to be in accordance with the Idaho Rules for Public Drinking Water Systems and are approved for construction purposes in accordance with Section 39-118 of Idaho Code.

This approval is contingent upon the following:

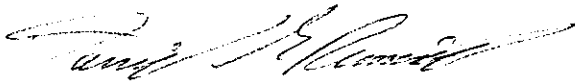
1. Plans and specifications for construction of the back up well were approved on May 25, 2001. We have not received as-built plans for the construction of the well. As-built plans for the well must be included with the as-built plans for the current project. A copy of the well driller's log must also be included.
2. We understand that the well has not been tested for contaminants. It appears that both wells are pulling from the same aquifer, so they may be considered a well field. As such, the full array of testing is not required on the new well. A test for Total Coliform Bacteria must still be performed before the well is put into use.
3. The plans show the discharge of the pump control valve being piped directly to an existing drywell. The Rules require that discharge to waste must be through an approved air gap. An air gap must separate the valve from the drywell waste line. This change must be shown on the as-built plans. The piping for the existing well is also run directly to the drywell. This deficiency has been noted on the last two sanitary surveys. This deficiency must be corrected during the course of this project.

4. Due to recent changes in the Rules, a smooth-nosed sample tap must be provided on the well piping prior to chlorination. The chlorine injection line may need to be relocated to accommodate this requirement. Also, the sample tap shown on the plans is described as a hose bib. Samples must be collected from smooth nosed sample taps to prevent contamination. The hose bibs that are threaded for use with a hose must be protected by an atmospheric vacuum breaker and should not be used for sampling. Ensure that smooth-nosed sample taps are installed, where appropriate, in place of hose bibs, and that they are shown as such on the as-built plans.

Inspection of construction activities approved herein must be performed by, or under the direct supervision of an Idaho licensed Professional Engineer (P.E.). If major modifications to this accepted design are necessary, approval by this office must be secured prior to implementation of the changes.

Section 39-118 of Idaho Code requires that as-built plans as certified by the inspecting engineer be submitted to this office for review and approval within thirty (30) days of completion of construction. If construction is not completed within one year of the date of this letter, this construction approval expires and you must request in writing for re-approval of the plans and specifications by DEQ.

Sincerely,



Daniel G. Remmick, E.I.T.
Associate Engineer

c: Charles Gay, Ruen-Yeager & Associates
Panhandle Health District
File: Green Ferry Water District (7475)

Mr. David Muncey
November 20, 2003
Page - 2

retaining the moisture. I believe that if topsoil were spread throughout the site, the irrigation rates adjusted accordingly, and grass planted, the moisture in the soil would not be an issue.

The remaining electrical items have been completed, the Operation and Maintenance Manuals have been submitted and the project is complete. Lawrence Construction has submitted a third and final pay request in the amount of \$1,906.00 plus the release of retainage in the amount of \$2,853.45 for a total of \$4,759.45. I recommend acceptance of the improvements by the Board and authorization of payments in the amount of \$18,818.55 for pay request #2, and \$4,759.45 for pay request #3. Acceptance by the Board will signify the beginning of the one-year warranty period required by the contract documents.

If you have any questions, please do not hesitate to contact me.

Sincerely,
RUEN-YEAGER & ASSOCIATES, INC.

A handwritten signature in cursive script, appearing to read "Charles Gay".

Charles Gay, P.E.

MRG/bmc
Enclosure

cc: Greg Lawrence, Lawrence Construction
F:\Projects\2002\PO2031 Ltr GFWS re: final acceptance of pump improvements

GREENSFERRY SUBMERSIBLE PUMP & WELL HOUSE

LAWRENCE CONSTRUCTION
P.O. BOX 872
RATHDRUM, IDAHO 83858

MODIFICATIONS

DATE: November 10, 2003

ITEM	CONTRACT AMOUNT	0% COMPLETE	BILLING #1	BILLING #2	BILLING #3	TOTAL DUE
#1 MOBILIZATION	2000.00	100%	1200.00	800.00	0.00	\$0.00
#2 WELL HOUSE PIPING	19750.00	100%	15800.00	3950.00	0.00	\$0.00
#3 SUBMERSIBLE PUMP	21,915 24295.00	100%	19255.00	975.25	1164.75 1064.75	\$1,064.75
#4 ELECTRICAL	14825.00	100%	0.00	14083.75	741.25	\$741.25
#5 CHANGE ORDER #1	1013.00	100%	1013.00	0.00	0.00	\$0.00
TOTAL BID	\$58,883.00 \$58,983.00		\$37,268.00	\$19,809.00	\$1,806.00 \$1906.00	\$1,806.00 \$1906

RETAINAGE
WITHHELD
PAY REQUEST #1 \$1863.00
PAY REQUEST #2 \$990.45
\$2853.45

TOTAL
5% RETAINAGE

\$1,806.00
\$2,044.45
\$1906.00
\$2853.45

\$759.45



RUEN-YEAGER & ASSOCIATES, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS

December 18, 2003



Mr. Gary Gaffney, P.E.
Dept. of Environmental Quality
2110 Ironwood Parkway
Coeur d'Alene, ID 83814

**RE: Greenferry Water and Sewer District
Submersible Pump & Well House Modifications
Record Drawings
RYA Project No. P02031**

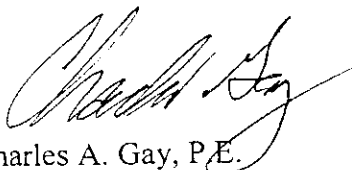
Dear Gary:

Enclosed please find DEQ's Engineering Staff transmittal and a copy of the above-mentioned Record Drawings for your review and file. The project is now complete and the pump is operational.

A 4-hour pump drawdown test was completed. The water surface elevation at the existing well (50-feet from the new well) dropped approximately 1-foot in the first 20 minutes. The water surface then stabilized for the duration of the test. Recovery took about 2 hours.

If you have any questions, please call.

Sincerely,
RUEN-YEAGER & ASSOCIATES, INC.



Charles A. Gay, P.E.

CAG/bmc F:\Projects\2002\P02031 Ltr DEQ w/record dwgs.

Enclosures

cc: David Muncey, Chairman, Greenferry Water and Sewer District