

**City Of Woodland
Council Agenda Summary Sheet**

Agenda Item:

Approval of contract with Layne Heavy Civil for \$1,245,090 for construction of the Ranney Well Improvement Project.

Agenda Item #: Action (1)

For Agenda of: February 3, 2014

Department: Public Works

Date Submitted: January 29, 2014

Cost of Item: \$1,245,090

Amount Budgeted: \$1,048,142

Unexpended Balance: \$1,048,142

BARS #: 408-000-000-595-30-63-00

Description: Water Treatment Pumping Project Construction

Department Supervisor Approval: Public Works Department /s/ *Barb Stepp*

Agenda Item Supporting Narrative (list attachments, supporting documents):

- 1) Bid Tab and contractor review information
- 2) Layne Bid Documents
- 3) Ranney Well Improvements Project Drawings

Summary Statement:

Layne Heavy Civil was the only bidder for the Ranney Well Improvement Project with a base bid of \$1,245,090. They also had an additive bid of \$123,215.40 to install a generator and fencing at the site. Layne Heavy Civil meets all contractor requirements and has completed work at the Ranney Well before.

There are only two contractors (Layne and Brechtel) in the United States that do this type of work. During the design phase both contractors came to the site and talked with the City. Both seemed interested in the work and we sent both contractors bid drawings and specs when the project went out to bid. Only Layne decided to make an actual bid.

The cost of the base bid is \$196,948 over what was budgeted. The amount budgeted is based on the cost estimate I completed in 2012 for the \$973,000 PWTF loan we received for this project. To pay for this project \$138,400 would be transferred from Fund 421 – Utility Reserves into Fund 408 and \$110,000 from Fund 401 – Water into Fund 408. This will provide total revenues in Fund 408 of \$1,281,542. This should be enough to pay for the base bid plus associated engineering costs and administration. The \$138,400 from Fund 421 is approximately the current balance of that fund. To make \$110,000 available from Fund 401 I will be reducing the amount of water meter retrofits by \$15,000, reducing treatment plant maintenance by \$20,000 by not cleaning the backwash lagoons, and reducing distribution system maintenance by \$5,000. I will also bring the ending fund balance in that fund down to a projected amount less than \$20,000. No loans or general fund money will be needed to complete this project.

Staff recommends approval. This is a critical project for the City to ensure that we have an adequate supply of water for now and the future.

The additive bid for the generator and fencing is important to supply additional reliability for our water system but it is not critical at this time. The City will be applying through the County 2014 Rural Development Funds for a grant to pay for this additive bid amount. If we are successful in receiving a grant we would be notified in mid-April. I would then come to the council for approval of the generator and fencing portion additive portion of this project as a change order. If we are not successful we would apply for grant funds next year to complete this portion of the project.

2013 Ranney Well Improvements, CAP-13-01

City of Woodland, WA

Bid Tabs

January 28, 2014

BASE BID				Layne Heavy Civil	
Item Number	Quantity	Unit	Project WorkDescription	Unit Bid Price	Bid Price
1	1	LS	Miscellaneous Construction	\$35,000.00	\$35,000.00
2	1	LS	Mobilization	\$99,000.00	\$99,000.00
3	1	LS	Ranney Well Laterals	\$898,000.00	\$898,000.00
4	30	LF	Additional Ranney Well Lateral	\$800.00	\$24,000.00
5	1	LS	Abandon Existing Ranney Well Laterals	\$25,000.00	\$25,000.00
6	1	LS	Clean & Redevelop Ranney Laterals	\$74,000.00	\$74,000.00
Subtotal Work:				\$1,155,000.00	
Sales Tax @ 7.8%					\$90,090.00
Grand Total Bid (Subtotal + Sales Tax):					\$1,245,090.00

ADDITIVE ALTERNATE				Layne Heavy Civil	
Item Number	Quantity	Unit	Project WorkDescription	Unit Bid Price	Bid Price
1	1	LS	Mobilization	\$6,600.00	\$6,600.00
2	1	LS	Concrete Work	\$18,150.00	\$18,150.00
3	80	LF	Chain Link Fencing	\$140.00	\$11,200.00
4	1	LS	Standby Generator	\$57,200.00	\$57,200.00
5	1	LS	Electrical & Controls	\$21,150.00	\$21,150.00
Subtotal Work:					\$114,300.00
Sales Tax @ 7.8%					\$8,915.40
Grand Total Bid (Subtotal + Sales Tax):					\$123,215.40

Grand Total Base Bid plus Additive Alternate Bid Amount (Sub + Tax): **\$1,368,305.40**

BID SUMMARY

OWNER: City of Woodland

DATE OF BID OPENING: January 28, 2014

PROJECT: 2013 Ranney Well Improvement Project, CAP 13-01

RECORDER: Mari Ripp/Jody Bartkowski

#	BIDDER	Acknowledge Addenda	Signatures Rep/Bidder/Authority	Bid Bond or Security	Non-Collusion Affidavit	Subcontractor Supplier List	Sub-Total Base Bid Amount	Sub-Total Additive Alternative Bid Amount
1	Layne Heavy Civil	✓	✓	✓	✓	✓	\$1,155,000 -	\$114,300 -
2								
3								
4								
5								
6								
7								
8								
9								
10								

Appendix D

FOR OWNERS

Mandatory Bidder Responsibility Checklist

The following checklist may be used by Owners in documenting that a Bidder meets the mandatory bidder responsibility criteria. It is suggested that Owners print a copy of documentation from the appropriate website to include with this checklist in the contract file.

General Information	
Project Name: <i>2013 Ranney Well Improvements</i>	Project Number: <i>CAP-13-01</i>
Bidder's Business Name: <i>Layne Heavy Civil Inc.</i>	Bid Submittal Deadline: <i>1/28/14</i>
Contractor Registration - https://fortress.wa.gov/lni/bbip/	
License Number: <i>LAYNEHC875MN</i>	Status: Active: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Effective Date (must be effective on or before Bid Submittal Deadline): <i>8/9/13</i>	Expiration Date: <i>8/9/15</i>
Contractor and Plumber Infraction List - http://www.lni.wa.gov/tradeslicensing/contractors/hirecon/infractions/	
Is Bidder on Infraction List? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Current UBI Number - http://dor.wa.gov/content/doingbusiness/registermybusiness/brd/	
UBI Number: <i>603 309 741</i>	Account Closed: Open <input checked="" type="checkbox"/> Closed <input type="checkbox"/>
Industrial Insurance Coverage - https://fortress.wa.gov/lni/crpsi/MainMenu.aspx	
Account Number: <i>NONE - Out of State</i>	Account Current: Yes <input type="checkbox"/> No <input type="checkbox"/>
Employment Security Department Number -	
Employment Security Department Number: <i>None - Out of State</i>	
<ul style="list-style-type: none"> • Has Bidder provided account number on the Bid Form? Yes <input type="checkbox"/> No <input type="checkbox"/> • And/or have you asked the Bidder for documentation from Employment Security Department on account number? Yes <input type="checkbox"/> No <input type="checkbox"/> 	
State Excise Tax Registration Number - http://dor.wa.gov/content/doingbusiness/registermybusiness/brd/	
Tax Registration Number: <i>603 309 741</i>	Account Closed: Open <input checked="" type="checkbox"/> Closed <input type="checkbox"/>
Not Disqualified from Bidding - http://www.lni.wa.gov/TradesLicensing/PrevWage/AwardingAgencies/DebarredContractors/default.asp	
Is the Bidder listed on the "Contractors Not Allowed to Bid" list of the Department of Labor and Industries? Yes <input type="checkbox"/> No <input type="checkbox"/>	
Checked by:	
Name of Employee: <i>Jody Bartkowski</i>	Date: <i>1/29/14</i>

Will need City business license.

LAYNE HEAVY CIVIL INC

Owner or tradesperson
ACCETTURO, MARK JOSEPH
Principals
ACCETTURO, MARK JOSEPH
STEVEN CROOKE
JAMES EASTER

PO BOX 186
ORLEANS, IN 47452
812-865-3232

WA UBI No.
603 309 741

Business type
Corporation

Parent company
LAYNE CHRISTENSEN CO

License

Verify the contractor's active registration / license / certification (depending on trade) and any past violations.

Construction Contractor

Active.
Meets current requirements.

License specialties
GENERAL

License no.
LAYNEHC875MN

Effective — expiration
08/09/2013 — 08/09/2015

Bond

Travelers Cas and Surety Co of America \$12,000.00
Bond account no.
105912367

Received by L&I **07/12/2013** Effective date
07/01/2013

Insurance

Zurich American Ins Co \$2,000,000.00
Policy no.
glo581743800

Received by L&I **08/09/2013** Effective date
05/01/2013
Expiration date
05/01/2014

Savings

No savings accounts during the previous 6 year period.

Lawsuits against the bond or savings

No lawsuits against the bond or savings during the previous 6 year period.

Tax debts

No tax debts during the previous 6 year period.

License Violations

No license violations during the previous 6 year period.

Workers' comp

No active workers' comp accounts during the previous 6 year period.

Workplace safety and health

No inspections during the previous 6 year period.

Home

File & pay taxes

Doing business

Business types

Register my business

My account

Audits

Find taxes & rates

Workshops & education

Get a form or publication

Find a law or rule

Help us
improve!
Take our Survey

DOING BUSINESS REGISTER MY BUSINESS LOOKUP BUSINESS INFORMATION RESULTS

Results

[Back to search results](#)

If "Non-revenue" appears after Tax Registration Number, the account is not registered with the Department of Revenue. However, it may be registered with other agencies in the state.

Washington State Department of Revenue State Business Records Database Detail

TAX REGISTRATION NO: NON-REVENUE	ACCOUNT OPENED: 06/12/2013
UBI: 603309741	ACCOUNT CLOSED: OPEN
ENTITY NAME:	
BUSINESS NAME:	
MAILING ADDRESS: 1900 SHAWNEE MISSION PRKWY MISSION WOODS, KS 66205-0000	BUSINESS LOCATION: 1900 SHAWNEE MISSION PRKWY MISSION WOODS, KS 66205-0000
ENTITY TYPE: CORPORATION	RESELLER PERMIT NO: N/A
NAICS CODE: 999990	PERMIT EFFECTIVE: N/A
NAICS DEFINITION: N/A	PERMIT EXPIRES: N/A

FOR NON-COMMERCIAL USE ONLY

01/29/2014 8:23 AM

Layne Heary Civil Inc.

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Access Washington

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Voter registration assistance (SECRETARY OF STATE)

Department of Labor and Industries
 Prevailing Wage Section
 Contractors Not Allowed to Bid on Public Works Projects

Updated: January 14, 2014

Company Name	UBI	License	Principals	Status	Debar Begin Date	Debar End Date	RCW	Penalty Due	Wages Due
JVI, Inc.	602836667	JVI*JI*913B8		Debarred Until Penalties Paid	11/5/2013	-	39.12.050	Yes	No
Kelly Electric	602935344	KELLYE*917NF		Debarred Until Penalties Paid	6/21/2013	-	39.12.050	Yes	No
Kurt Construction Inc.	601294653	KURTCI*098L1		Debarred Until Penalties Paid	6/1/1998	-	39.12	No	No
Landscape Enterprises	601161933	LANDSE*001PJ	Kenneth Erickson	Debarred	8/8/2013	8/7/2014	18.27.200	-	-
Landscape Enterprises	601161933	LANDSE*001PJ		Debarred	8/8/2013	8/7/2014	51.48.103	-	-
LARS ERIK JOHANSSON CONST	601717460	LARSEEJ924R2	Lars-Erik Johansson	Debarred	6/1/2013	5/31/2014	18.27.200	-	-
LARS ERIK JOHANSSON CONST	601717460	LARSEEJ924R2		Debarred	6/1/2013	5/31/2014	51.48.103	-	-
Lasting Impressions Concrete Flooring	601728232	LASTIIC044OZ		Debarred Until Penalties Paid	12/28/1998	-	39.12.050	Yes	No
Len Golding Himself, Inc.			Len Golding	Debarred Until Penalties Paid	3/11/2010	-	39.12.050	Yes	No
Lindseyz Landscape & Excavatio	602988067			Debarred	4/18/2013	4/17/2014	18.27.200	-	-
Lindseyz Landscape & Excavatio	602988067			Debarred	4/18/2013	4/17/2014	51.48.103	-	-
Logic Systems	601577238	LOGICS*066PF		Debarred Until Penalties Paid	3/8/1999	-	39.12	Yes	No
LT CONSTRUCTION	602958184			Debarred	10/26/2013	10/25/2014	18.27.200	-	-
LT CONSTRUCTION	602958184		Luis Armando Tavares	Debarred	10/26/2013	10/25/2014	51.48.103	-	-
M & S CONSTRUCTION	601825705	MSCONSC897L4	Yong Son	Debarred	7/2/2013	7/1/2014	18.27.200	-	-
M & S CONSTRUCTION	601825705	MSCONSC897L4		Debarred	7/2/2013	7/1/2014	51.48.103	-	-
MACA PLASTERING	602505819	MACAPP*953K4	Jorge Ceja Marisela Ceja	Debarred	3/28/2013	3/27/2014	18.27.200	-	-
Mark A Carter, Inc.	602567423	MARKAAC942CP		Debarred Until Penalties Paid	11/5/2013	-	39.12.050	Yes	No
Martin Concrete Construction Inc.	601322268	MARTICC081K9	Patrick Martin	Debarred Until Penalties Paid	10/19/2012	-	39.12.050	Yes	No
Martineil Brothers, Inc.	602734678	MARTIBI939LL		Debarred Until Penalties Paid	6/13/2012	-	39.12.050	Yes	No
MIKES MAINTENANCE AND WELDING	601443708		Robert Michael Stoddard	Debarred Until Penalties Paid	7/5/2011	-	39.12.050	Yes	No
Nidash Inc.	601164502	NIDASI*118C8		Debarred Until Penalties Paid	9/8/2001	-	39.12.050	Yes	No
Nidash Inc.	601164502	NIDASI*118C8		Debarred Until Penalties Paid	10/5/2001	-	39.12.065	Yes	No
Northwest Communications Centers, LTD	601711835	NORTHCC005O9		Debarred Until Penalties Paid	11/5/2013	-	39.12.050	Yes	No
Northwest Lighting & Electric				Permanent Debarment	5/3/2004	-	39.12.050	No	No
Northwest Lighting & Electric				Permanent Debarment	5/3/2004	-	39.12.065	No	No
Northwest Pavement Marking	601157467	NORTHPM099LF		Debarred Until Penalties Paid	12/21/1998	-	39.12.050	Yes	No
Nustart, LLC	602637189	NUSTAL*949NC		Debarred Until Penalties Paid	1/9/2009	-	39.12.050	Yes	No
Olympic Fire Suppression, LLC	602682376	OLYMPFS933CK		Debarred Until Penalties Paid	8/6/2013	-	39.12.050	Yes	No
Pacific NW Rebar Inc.	601992459	PACIFNR012QK	Marcia Lang Tracy Lang	Debarred	5/10/2013	5/9/2014	18.27.200	-	-
Pacific Roofing Enterprises	602516093	PACIFRE953L8	Jorge Saucedo	Debarred Until Penalties & Wages Paid	2/12/2010	-	39.12.065	Yes	Yes
Pacific Tile Design	602432351	PACIFTD941B7		Debarred Until Penalties Paid	3/1/2010	-	39.12.050	Yes	No
Palouse Country Electric DBA Arts Electric	600500340	PALOUCE086P2		Permanent Debarment	2/15/2000	-	39.12.065	No	No
Palouse Country Electric DBA Arts Electric	600500340	PALOUCE092R7		Permanent Debarment	2/15/2000	-	39.12.065	No	No

BID FORM - LAYNE

**CITY OF WOODLAND
RANNEY WELL IMPROVEMENT PROJECT**

**To: City of Woodland
PO Box 9
230 Davidson Avenue
Woodland, WA 98674**

1.0 BIDDERS DECLARATION AND UNDERSTANDING

- 1.1 The undersigned, hereinafter called the BIDDER, declares that the only persons or parties interested in this Bid are those named herein; that this Bid is in all respects fair and without fraud; that it is made without any connection or collusion with any official of the OWNER; and that the Bid is made without any connection or collusion with any person making another Bid on this contract.**
- 1.2 The BIDDER further declares that they have carefully examined the Bid Documents for the construction of the project; that they have personally inspected the sites; that they have been satisfied as to the quantities involved, including materials and equipment and conditions of work involved, including the fact that the description of the quantities of work and materials, as included herein, is brief and is intended only to indicate the general nature of the work and to identify the said quantities with the detailed requirements of the Contract Documents and that this Bid is made according to the provisions and under the terms of the Contract Documents, which documents are hereby made a part of this Bid.**
- 1.3 The BIDDER further agrees that they have exercised their own judgment regarding the interpretation of subsurface information and have utilized all data, which they believe pertinent from the ENGINEER, OWNER and other sources in arriving at their conclusions.**
- 1.4 The BIDDER agrees to hold their bid open for 60 days after receipt of bid and to accept the provisions of the Instructions To Bidders regarding disposition of Bid Bond.**
- 1.5 In submitting this bid, the BIDDER certifies they are qualified to do business in the State where this project is located as required by the laws, rules and regulations of that State or, if not currently qualified to do business in the State where the project is located, covenants to obtain such qualifications prior to contract award.**

Bid Form
City of Woodland
Ranney Well Improvement Project

6.0 BIDDERS REPRESENTATIVE

6.1 Communications concerning this Bid shall be addressed to the BIDDER's representative at the following address:

Bidder's Representative ANDREW SMITH

Company Name LAYNE HEAVY CIVIL

Address 6300 HUNTLEY ROAD
COLUMBUS, OH 43229

Telephone 614 888-6263

Fax: 614 888-9208

E-mail: ANDY.SMITH@LAYNE.COM

IRS Federal Employer's Identification Number 20 3512785

7.0 BIDDERS SIGNATURE PAGE

7.1 SUBMITTED on JANUARY 24 2014

State Contractor License No. LB1: 601-309-741

Expiration Date: 8/9/2015

**Bid Form
City of Woodland
Ranney Well Improvement Project**

A Corporation: Then this signature block shall be completed, otherwise enter "N/A" in the blanks

Corporate Name: LAYNE HEAVY CIVIL (seal)

State of Incorp. INDIANA

Type of Corporation GENERAL BUSINESS
General Business, Professional, Service, Limited Liability

Name & Title (printed): SARVEE M. STONE DISTRICT MANAGER

By (signature): [Signature]
(Attach evidence of authority to sign.)

Corporate Secretary: Liz Smith

Attest: [Signature]
(Signature of Corporate Secretary)

Business address: 6360 HUNTLEY ROAD
COLUMBUS, OHIO 43229

Telephone: 614 888-6203 Fax: 614-888-9208

Date of Qualification to do business is: 8-9-2013 (WASHINGTON)

A Joint Venture: Then this signature block shall be completed, otherwise enter "N/A" in the blanks

Joint Venture Name: _____ (seal)

Name & Title (printed): _____
(Name of Joint Venture Partner authorized to sign.)

By (signature): _____
(Signature of Joint Venture Partner – attach evidence of authority to sign.)

Business address: _____

Telephone: _____ Fax: _____

Each joint venturer must sign. The manner of signing for each individual, partnership and corporation that is a party to the joint venture should be in the manner indicated above.)

1. Bidder and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors and assigns to pay to Owner upon default of Bidder the penal sum set forth on the face of this Bond.
2. Default of Bidder shall occur upon the failure of Bidder to deliver within the time required by the Bidding Documents the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents and Contract Documents.
3. This obligation shall be null and void if:
 - 3.1 Owner accepts Bidder's bid and Bidder delivers within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents and Contract Documents, or
 - 3.2 All bids are rejected by Owner, or
 - 3.3 Owner fails to issue a notice of award to Bidder within the time specified in the Bidding Documents (or any extension thereof agreed to in writing by Bidder and, if applicable, consented to by Surety when required by paragraph 5 hereof).
4. Payment under this Bond will be due and payable upon default of Bidder and within 30 calendar days after receipt by Bidder and Surety of written notice of default from Owner, which notice will be given with reasonable promptness, identifying this Bond and the Project and including a statement of the amount due.
5. Surety waives notice of and any and all defenses based on or arising out of any time extension to issue notice of award agreed to in writing by Owner and Bidder, provided that the time for issuing notice of award including extensions shall not in the aggregate exceed 120 days from Bid Due Date without Surety's written consent.
6. No suit or action shall be commenced under this Bond prior to 30 calendar days after the notice of default required in paragraph 4 above is received by Bidder and Surety, and in no case later than one year after Bid Due Date.
7. Any suit or action under this Bond shall be commenced only in a court of competent jurisdiction located in the state in which the project is located.
8. Notice required hereunder shall be in writing and sent to Bidder and Surety at their respective addresses shown on the face of this Bond. Such notices may be sent by personal delivery, commercial courier or by United States Registered or Certified Mail, return receipt requested, postage prepaid, and shall be deemed to be effective upon receipt by the party concerned.
9. Surety shall cause to be attached to this Bond a correct and effective Power of Attorney evidencing the authority of the officer, agent or representative who executed this Bond on behalf of Surety to execute, seal and deliver such Bond and bind the Surety thereby.
10. This Bond is intended to conform to all applicable statutory requirements. Any applicable requirement of any applicable statute that has been omitted from this Bond shall be deemed to be included herein as if set forth at length. If any provision of the Bond conflicts with any applicable provision of any applicable statute, then the provision of said statute shall govern and the remainder of this Bond that is not in conflict therewith shall continue in full force and effect.
11. The term "bid" as used herein includes a bid, offer or proposal as applicable.

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, Kevin E. Hughes, the undersigned, Assistant Secretary, of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 28th day of January, 2014

Kevin E. Hughes
Kevin E. Hughes, Assistant Secretary



To verify the authenticity of this Power of Attorney, call 1-800-421-3880 or contact us at www.travelersbond.com. Please refer to the Attorney-In-Fact number, the above-named individuals and the details of the bond to which the power is attached.

1. Bidder and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors and assigns to pay to Owner upon default of Bidder the penal sum set forth on the face of this Bond.
2. Default of Bidder shall occur upon the failure of Bidder to deliver within the time required by the Bidding Documents the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents and Contract Documents.
3. This obligation shall be null and void if:
 - 3.1 Owner accepts Bidder's bid and Bidder delivers within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents and Contract Documents, or
 - 3.2 All bids are rejected by Owner, or
 - 3.3 Owner fails to issue a notice of award to Bidder within the time specified in the Bidding Documents (or any extension thereof agreed to in writing by Bidder and, if applicable, consented to by Surety when required by paragraph 5 hereof).
4. Payment under this Bond will be due and payable upon default of Bidder and within 30 calendar days after receipt by Bidder and Surety of written notice of default from Owner, which notice will be given with reasonable promptness, identifying this Bond and the Project and including a statement of the amount due.
5. Surety waives notice of and any and all defenses based on or arising out of any time extension to issue notice of award agreed to in writing by Owner and Bidder, provided that the time for issuing notice of award including extensions shall not in the aggregate exceed 120 days from Bid Due Date without Surety's written consent.
6. No suit or action shall be commenced under this Bond prior to 30 calendar days after the notice of default required in paragraph 4 above is received by Bidder and Surety, and in no case later than one year after Bid Due Date.
7. Any suit or action under this Bond shall be commenced only in a court of competent jurisdiction located in the state in which the project is located.
8. Notice required hereunder shall be in writing and sent to Bidder and Surety at their respective addresses shown on the face of this Bond. Such notices may be sent by personal delivery, commercial courier or by United States Registered or Certified Mail, return receipt requested, postage prepaid, and shall be deemed to be effective upon receipt by the party concerned.
9. Surety shall cause to be attached to this Bond a current and effective Power of Attorney evidencing the authority of the officer, agent or representative who executed this Bond on behalf of Surety to execute, seal and deliver such Bond and bind the Surety thereby.
10. This Bond is intended to conform to all applicable statutory requirements. Any applicable requirement of any applicable statute that has been omitted from this Bond shall be deemed to be included herein as if set forth at length. If any provision of the Bond conflicts with any applicable provision of any applicable statute, then the provision of said statute shall govern and the remainder of this Bond that is not in conflict therewith shall continue in full force and effect.
11. The term "bid" as used herein includes a bid, offer or proposal as applicable.

C E R T I F I C A T E

The undersigned, Liz Smith, hereby certifies that she is the duly elected, qualified, and acting Assistant Secretary of Layne Heavy Civil, Inc., an Indiana corporation (the "Company"), and as such is familiar with the books and records of said Company, and does hereby certify the following:

1. that Les Archer is Senior Vice President of Layne Heavy Civil, Inc.;
2. that the resolutions set forth below were adopted by Minutes of Action Taken in Lieu of a Meeting of the Board of Directors of said Company by written consent, dated as of January 2, 2013, that the following is a true and correct copy of such resolutions as they appear in the minute books of the Company, and that such resolutions are in full force and effect:

AUTHORITY TO ENTER INTO CONTRACTS

WHEREAS, the directors deem it in the best interests of the corporation to state the bid, contract and purchase order limits of the various officers and employees of the corporation.

NOW, THEREFORE, BE IT RESOLVED, that effective as of January 2, 2013, and in lieu of all previous actions of the Board of Directors, the authority of the following officers and employees of the corporation to (i) accept customer purchase orders and affix the corporate seal thereon; (ii) issue bids and/or enter into contracts with customers; and (iii) enter into contracts with vendors in connection with the sale of the corporation's products and services and the purchase of supplies and equipment, in the name of and on behalf of the corporation, shall be for an amount up to and including the amount set forth beside each of their titles in the following schedule:

* * *

<u>Title</u>	<u>Amount</u>
President.....	\$10,000,000
Vice President	\$5,000,000
Assistant Division Manager, District Manager or Branch Manager.....	\$1,000,000

FURTHER RESOLVED, that the president or vice president of the corporation may delegate the authority to enter into contractual commitments which they are authorized to execute pursuant to these resolutions to any other officer, assistant division manager, district manager, branch manager or other employee of the corporation and may, as requested by any third party, indicate such delegation by addressing a letter or other written document to such third party.

FURTHER RESOLVED, that prior to execution thereof, pursuant to the preceding resolution, any contract in excess of the authorized limits granted herein must be approved by any two members of the Board of Directors; provided, however, that the execution of any contract in accordance with the preceding resolution may be considered by all third parties to be conclusive evidence that all appropriate authority pursuant to these resolutions has been granted.

FURTHER RESOLVED, that the secretary, any assistant secretary, or any other officer of the corporation be, and they hereby are, authorized to certify a copy of these resolutions, and any customer of the corporation is hereby authorized to rely upon said certificate as so presented.

3. that in accordance with these resolutions, Les Archer, Senior Vice President has granted authorization to Sam Stowe, District Manager of Layne Heavy Civil, Inc., to sign all contract documents and change notices between the Owner and Layne Heavy Civil, Inc., for the project known as: City of Woodland, Ranney Well Improvement Project, Woodland, WA - Project 8764519.

IN WITNESS WHEREOF, Liz Smith has hereunto set her hand and affixed the corporate seal of Layne Heavy Civil, Inc., this 24th day of January, 2014.





Liz Smith, Assistant Secretary

BIDDER'S CHECK LIST

This checklist has been prepared and furnished to aid Bidders in including all necessary supporting information with their Bid. Bidders' submittals should include, but are not limited to, the following:

<u>Item</u>	<u>Checked</u>
1. Completed Bid Schedule	✓
2. Bidder's Acknowledgement of Receipt of Addenda (If Any)	✓
3. Identity of Bidders Representative	✓
4. Signed Bidders Signature Page	✓
5. Evidence of Authority to Sign Bid	✓
6. Bid Bond or Other Security Equal to 5% of Total Bid Amount	✓
7. Power of Attorney for Surety's Agent to Execute Bid Bond	✓
8. Non-Collusion Affidavit	✓
9. List of Subconsultants and Suppliers. <i>Contractors</i>	✓

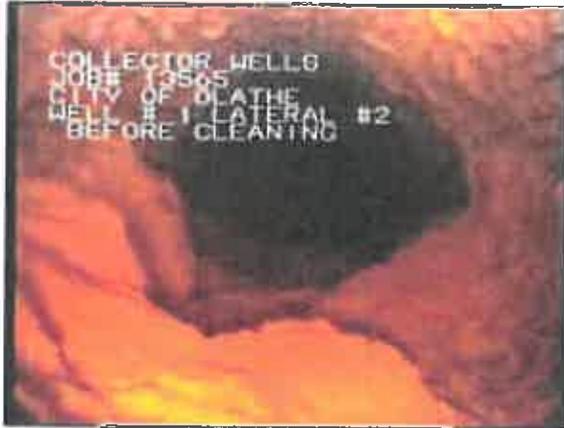
The following are to be executed as part of the Contract Award Process:

1. Notice of Award
2. Performance Bond
3. Payment Bond
4. Agreement
5. Notice to Proceed
6. Certificates of Insurance
7. Declaration of Option for Investment of Retained Percentage
8. E-Verify Affidavit

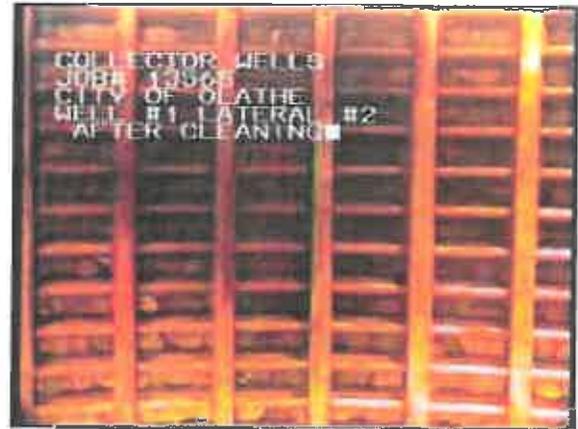
QUALIFICATIONS

RANNEY WELL IMPROVEMENT; WOODLAND, WASHINGTON

2. Olathe, KS – **John Gilroy**, City of Olathe, Kansas, 1385 South Robinson, Olathe, Kansas 66061 – (913) 971-8381. We completed the redevelopment of four (4) collector wells utilizing Bore Blast and high pressure jetting methods. The redevelopment activities were completed during winter to minimize impacts to the raw water supply system. Redevelopments resulted in improvements in well performance ranging from 50% to 227% at the individual wells.



Lateral Before Redevelopment



Lateral Screens After Redevelopment

3. Chillicothe, OH – **Joe Coleman**, Area Manager, Glatfelter Corporation, 401 South Paint St. Chillicothe, OH 45056 – (740) 772-0491. We performed maintenance on a collector that was originally built in 1965. Maintenance included the installation of six (6) new 12-inch ID laterals and the redevelopment of seven (7) existing 8-inch laterals by high pressure jetting. The new laterals range in length from 130 to 230 feet for a total lineal footage of 1020 feet, which restored the capacity of the well to original levels.



New Laterals Installed Above Existing Laterals



Pouring a New Concrete Floor to Provide Level Working Area

SCOTT HELTON
Superintendent

EXPERIENCE

Scott Helton has worked in collector well and water intake construction since 2006. Scott has special expertise installing reinforced concrete caissons for radial collector wells and surface water intakes using our customized hydraulic pull-down system. He has expertise in the construction techniques necessary to install horizontal well screens using the current state-of-the-art jacking/projection techniques, as well as in rehabilitation (cleaning and redevelopment) of lateral well screens in existing collector wells.

NOTABLE PROJECT INVOLVEMENT

- Sioux City, Iowa – Laborer for construction of new radial collector well caisson
- Roosevelt, Utah – Laborer for construction of new radial collector well caisson
- Oquawka, Illinois – Laborer for replacement well screens in an existing radial collector well for a municipal water supply
- Des Moines, Iowa – Laborer for construction of new radial collector well caisson
- Jacksonville, Mississippi – Laborer for replacement well screens in an existing radial collector well for a municipal water supply
- Cincinnati, Ohio – Laborer for construction of new radial collector well caisson
- Kansas City, Missouri – Superintendent for installation of the lateral well screens in a new radial collector well
- Kansas City, Kansas – Superintendent for installation of the lateral well screens in a new radial collector well
- Jacksonville, Illinois – Superintendent for replacement well screens in an existing radial collector well for a municipal water supply
- Middletown, Connecticut – Superintendent for installation of the lateral well screens in two new radial collector well
- Columbus, Ohio – Superintendent for installation of the lateral well screens in a new radial collector well
- Sioux Falls, South Dakota – Supervisor for replacement well screens in an existing radial collector well for a municipal water supply
- Athens, Ohio – Superintendent for installation of the lateral well screens in a new radial collector well
- Festus, Missouri – Superintendent for cleaning and redevelopment of the lateral well screens in an existing collector well.
- Cape Girardeau, Missouri – Superintendent for cleaning and redevelopment of the lateral well screens in an existing collector well.
- Chillicothe, Ohio – Superintendent for cleaning and redevelopment of the lateral well screens in an existing collector well.
- Bismarck, North Dakota – Superintendent for installation of the lateral well screens in a new radial collector well

RAINE RAMSEY

Project Superintendent

EXPERIENCE

Mr. Ramsey has worked in collector well and water intake construction since 2007. Raine has special expertise installing reinforced concrete caissons for radial collector wells and surface water intakes using our customized hydraulic pull-down system. He has expertise in the construction techniques necessary to install horizontal well screens using the current state-of-the-art jacking/projection techniques, as well as in rehabilitation (cleaning and redevelopment) of lateral well screens in existing collector wells. Mr. Ramsey has been involved in the Construction Management for the screen installation portions of projects all across the United States.

NOTABLE PROJECT INVOLVEMENT

- **Plum Point, AK** - Laborer for the construction of a new collector well caisson
- **Cincinnati, OH** - *Tate Monroe Water Association* - Labor for the construction of a new collector well caisson and installation of lateral well screens
- **Weston, MO** - *Iatan Power Plant* - Labor for the installation of lateral well screens
- **Kansas City, KS** - *Water One* - Labor for the installation of lateral well screens
- **Jacksonville, Illinois** - Labor for the installation of lateral well screens
- **Kennewick, WA** - Superintendant for cleaning of existing collector well
- **Edwardsport, IN** - *Duke Energy* - Superintendant for the installation of lateral well screens
- **Middletown, CT** - *Kleen Energy* - Superintendant for the installation of lateral well screens
- **Columbus, OH** - *City of Columbus* - Superintendant for the installation of lateral well screens
- **Sioux Falls, SD** - Superintendant for setting platform in preexisting well
- **Kalamazoo, MI** - Superintendant for cleaning of existing collector well
- **Chillicothe, OH** - Superintendant for cleaning of two existing collector well
- **Festus, MO** - *Doe Run Company* - Superintendant for cleaning of existing collector well
- **Cape Girardeau, MO** - Superintendant for cleaning of existing collector well
- **Stevens Point, WI** - Superintendant for the set up for installation of lateral well screens
- **Bismarck, ND** - Superintendant for the installation of lateral well screens
- **Sioux City, IA** - Superintendant for the installation of lateral well screens
- **Norfolk, NE** - *Nucor* - Laborer for the construction of a small diameter caisson inside a building

JOHNNY PRUITT

Foreman

EXPERIENCE

Johnny Pruitt has worked in the construction and rehabilitation of collector well and surface water intake systems since 2008. He has expertise in the construction techniques necessary to install horizontal well screens using the current state-of-the-art jacking/projection techniques, as well as in rehabilitation (cleaning and redevelopment) of lateral well screens in existing collector wells. Mr. Pruitt has been involved in the screen installation portions of projects all across the United States

NOTABLE PROJECT INVOLVEMENT

- Sioux Falls, South Dakota – Construction of new radial collector well caisson
- Shreveport, Louisiana – American Electric Power – Construction of 5.7 mgd surface water intake structure
- Sioux Falls, South Dakota – Installation of the lateral well screens in a new radial collector well
- Columbus, Ohio – Installation of the lateral well screens in a new radial collector well
- Canton, Ohio – Cleaning and redevelopment of the lateral well screens in an existing collector well.
- Sioux Falls, South Dakota – Break down jobsite after construction of new radial collector well caisson
- Chillicothe, Ohio – Cleaning and redevelopment of the lateral well screens in an existing collector well.
- Kalamazoo, Michigan – Cleaning and redevelopment of the lateral well screens in an existing collector well.
- Festus, Missouri – Cleaning and redevelopment of the lateral well screens in an existing collector well.
- Cape Girardeau, Missouri - Cleaning and redevelopment of the lateral well screens in an existing collector well.
- Stevens Point, Wisconsin – Installation of the lateral well screens in a new radial collector well
- Bismarck, North Dakota – Installation of the lateral well screens in a new radial collector well
- Anderson, South Carolina- Construction of 23' ID x 27' OD concrete caisson for surface water intake; supervised installation of microtunnel and marine installation

WORK HISTORY

- 2008 – Current Reynolds, Inc – Ramney Collector Wells Division – Laborer
- 2007 – 2008 Patterson Drilling – Rig Hand, Motor Man, Derrick Hand
- 2005 – 2007 Pioneer Drilling – Rig Hand, Lead Tongs, Chain Hand, Motor Man
- 2004 – 2005 Wylie Northeast Water Supply – D-Class Field Operator, Laborer
- 2002 – 2004 Sun Gro Horticulture – Laborer, Machinery Operator
- 2000 – 2002 Jerusalem Stone - Laborer

Carl Miller II
Foreman

EXPERIENCE

Carl Miller II has worked in the construction and rehabilitation of collector well and surface water intake systems since 2008. Carl has special expertise in the construction techniques necessary to install horizontal well screens using the current state-of-the-art jacking/projection techniques. Mr. Miller has been involved in the Construction Management for the screen installation portions of projects all across the United States.

NOTABLE PROJECT INVOLVEMENT

- **Festus, Missouri** – Cleaning and redevelopment of the lateral well screens in an existing radial collector well.
- **Edwardsport, Indiana** – Well 1 – Cleaning and redevelopment of the lateral well screens in an existing collector well.
- **Edwardsport, Indiana** – Well 2 - Installation of the lateral well screens in a new radial collector well
- **Louisville, Kentucky** – Cleaning and redevelopment of the lateral well screens in an existing collector well.
- **Athens, Ohio** – Le-Ax – Construction of new radial collector well caisson
- **Canton, Ohio** – Cleaning and redevelopment of the lateral well screens in an existing collector well.
- **Sioux Falls, South Dakota** – Installation of the lateral well screens in a new radial collector well
- **Bismarck, North Dakota** – Installation of the lateral well screens in a new radial collector well
- **Perth Amboy, New Jersey** – Cleaning and redevelopment of the lateral well screens in an existing collector well.
- **Stevens Point, Wisconsin** – Installation of the lateral well screens in a new radial collector well

WORK HISTORY

- 2008 – Current Reynolds, Inc – Ranney Collector Wells Division – Laborer,
Foreman
- 2003 – 2008 Young's Trucking – Commercial Driver

EDUCATION

- 1 year – Drafting
- 2 years – Construction Trades Technology

PROFESSIONAL

Licenses

- Commercial Drivers License (CDL)

ERIK SANDERS
Foreman

EXPERIENCE

Erik Sanders has worked in the construction and rehabilitation of collector well and surface water intake systems since 2008. He has expertise in the construction techniques necessary to install horizontal well screens using the current state-of-the-art jacking/projection techniques, as well as in rehabilitation (cleaning and redevelopment) of lateral well screens in existing collector wells. Mr. Sanders has been involved in the screen installation portions of projects all across the United States

NOTABLE PROJECT INVOLVEMENT

- Jacksonville, Illinois – Installation of the lateral well screens in a radial collector well
- Edwardsport, Indiana – Construction of new radial collector well caisson
- Connecticut – Installation of the lateral well screens in a new radial collector well
- City of Columbus, Ohio - Installation of new, replacement lateral well screens in existing radial collector well.
- Canton, Ohio – Cleaning and redevelopment of the lateral well screens in an existing collector well.
- Stevens Point, Wisconsin – Installation of the lateral well screens in a new radial collector well
- Sioux Falls, South Dakota – Set up jobsite for construction of new radial collector well caisson
- Kalamazoo, Michigan – Cleaning and redevelopment of the lateral well screens in an existing collector well.
- Chillicothe, Ohio – Industrial Paper Mill - Installation of replacement lateral well screens in an existing radial collector well for industrial cooling/process water supply.
- Cape Girardeau, Missouri – Cleaning and redevelopment of the lateral well screens in an existing collector well.
- Bismarck, North Dakota – Installation of the lateral well screens in a new radial collector well

PROFESSIONAL

Short Courses

- OSHA 10 Hour
- CPR – First Aid
- Scaffolding Competent Person
- Rescue Training
- Fall Protection
- Smith System Defensive Driving
- Confined Space Training



ANDREW J SMITH, P.E

**Managing Engineer, Vice President
Ranney Collector Wells**

Education:

B.S. Civil Engineering - Lehigh University

**Professional Registration:
PE-Ohio & Minnesota**

Professional Affiliations:

**American Water Works Association
American Society of Civil Engineers
North American Society for Trenchless Technology**

**Total Years Experience:
30**

**Joined Layne Heavy Civil:
July 2006**

Summary of Qualifications

Andrew J. Smith has been involved with the design and construction of Horizontal Collector Wells and Surface Water Intakes for over 25 years. He has provided a full range of engineering, administration, estimating and bidding and contract administration services for these projects.

Mr. Smith's responsibilities have included: Overall coordination of design-build projects; pump selections and price estimation for Collector Wells and Surface Water Intakes and design of piping and valving systems for contract proposals. He has also directly supervised the construction of water treatment plants and pumping stations, and prepared design submittals for trenchless installation of water and sewer lines using microtunneling equipment.

Additionally, Mr. Smith is involved in estimation of material quantities and costs; preparation of shop drawing submittal for Owner/Design Engineer review; purchase of materials and equipment for incorporation into construction projects; preparation of pay estimates; preparation and administration of subcontractors and preparation of operation and maintenance manuals for completed project.

Prior to working for the water supply industry, he was involved for four years with construction inspection, start-up and operation of a 12 MGD wastewater treatment plant.

Continued Education

- OSHA 40-Hour Hazardous Waste Safety Training
- OSHA Supervisors Safety Training
- Total Quality Management Training in Construction for Front-Line Managers



MICHAEL HARTMAN
Project Manager

EXPERIENCE

Mike Hartman has worked in general construction over the past 13 years and has been involved with the construction and rehabilitation of radial collector wells for nearly ten years having been on over 20 major projects during that time. He has supervised many collector well rehabilitation and construction projects recently and has special expertise in the construction techniques necessary to install horizontal well screens using the current state-of-the-art jacking/projection techniques and gravel-packing techniques. Mr. Hartman has been involved in the Construction Management for the screen installation portions of projects all across the United States and overseas, including construction work in Puerto Rico and Mexico.

Some Notable Projects Mr. Hartman Has Worked:

- **Jefferson County Water Authority, Festus, Missouri:** Installation of lateral well screens in a radial collector well for a municipal water supply.
- **City of Sioux Falls, South Dakota:** Installation of the lateral well screens in a new radial collector well and installation of new, replacement well screens in an existing radial collector well for a municipal water supply.
- **City of Carolina, Puerto Rico:** Installation of lateral well screens in a radial collector well for a municipal water supply.
- **Refinery, Mexico:** Installation of lateral well screens in three (3) radial collector wells constructed along the beach to develop a filtered seawater supply for desalination. These screens were installed with an artificial gravel-pack filter around the screens.
- **City of Boardman, Oregon:** Installation of lateral well screens in a 15 mgd radial collector well for a municipal water supply.
- **Santa Fe, New Mexico:** Installation of lateral well screens in a radial collector well used as a demonstration project for irrigation water supply.
- **Cedar Rapids, Iowa:** Installation of lateral well screens in two (2) radial collector wells for municipal water supply.
- **City of Columbus, Ohio:** Installation of new, replacement lateral well screens in existing radial collector well.
- **Industry, Ohio:** Installation of new, replacement lateral well screens in an existing radial collector well used for industrial cooling and process water.
- **Stevens Point, WI:** Installation of lateral well screens in a radial collector well for municipal water supply.
- **Humboldt Bay Municipal Water, Eureka, CA:** Rehabilitation of on existing radial well. Install additional screen footage.
- **Collector Well Rehabilitation Projects:** Industrial water supply – City of Jacksonville, Illinois; City of Sioux Falls, South Dakota; Industrial facility, Illinois; City of Columbus, Ohio, City of Pella, IA; Board of Public Utilities Kansas City, Kansas; City of Olathe, KS; US Steel Granite City, IL; Power Generation Plant Grand Gulf, MS;

JAMES J. BELL
PROJECT HYDROGEOLOGIST

EXPERIENCE:

Mr. Bell has been involved on a number of ground water supply projects for a variety of industrial and municipal clients. He has been involved with all phases of investigations, including field activities, data evaluation and reporting. He is experienced in aquifer testing analysis, ground water flow modeling, database management and data presentation techniques including mapping and graphic outputs. Mr. Bell has conducted many field investigations assessing induced infiltration potential from streams for the purpose of siting horizontal collector wells. He has also been involved with water quality evaluations and yield projections for horizontal collector wells. He has supervised field investigative programs including geophysical exploration, test drilling, aquifer testing, well testing and collector well inspections. Mr. Bell has additionally conducted video inspections to evaluate the physical condition of vertical wells and horizontal collector wells.

WORK HISTORY:

2000 – Present	Project Hydrogeologist, International Water Consultants, Inc. Project Hydrogeologist, Collector Wells International, Inc.
1998 – 2000	Graduate Teaching Assistant, University of Toledo, Dept. of Geology

EDUCATION:

B.S. Geology / Water Resources – Ohio University

PROFESSIONAL:

Memberships:

National Ground Water Association

City of Woodland

Ranney Well Improvement Project

Woodland, Washington

Project Directory

Owner

City of Woodland
 Public Works Director
 Bart Stepp, P.E.
 300 E. Scott Avenue
 Woodland, WA. 98674
 Phone No. 360 / 225-7999
 Fax No. 360 / 225-7467

Design Team

Civil Engineers

Gibbs & Olson, Inc.
 Tom Gower, P.E.
 1405 17th Av. Suite 300
 Longview, WA. 98632
 Phone No. 360 / 425-0991
 Fax No. 360 / 423-3162

Electrical Engineers

R & W Engineering, Inc.
 Kent Smith, P.E.
 9400 S.W. Beaverton-Hillsdale
 Highway Suite 250
 Beaverton, OR 97005
 Phone No. 503 / 292-6000
 Fax No. 503 / 292-1422



Vicinity Map
 Scale: 1" = 2000'

City of Woodland

Mayor

Grover Laseke

City Council

Jennifer Heffernan
 Al Swindell
 Marilee McCall
 Marshall Allen
 Susan Humbyrd
 Benjamin Fredricks
 Scott Perry

City Clerk

Mari Ripp

Public Works Director

Bart Stepp, P.E.

Water Superintendent

Bob Choate

Cover Sheet

Woodland, Washington
 Ranney Well Improvement Project
 City of Woodland

Horizontal Scale:
 Vertical Scale:
 Datum:
 Survey Book:
 Project Phase:

Project Milestone:

Revision Date:
 1/3/2014



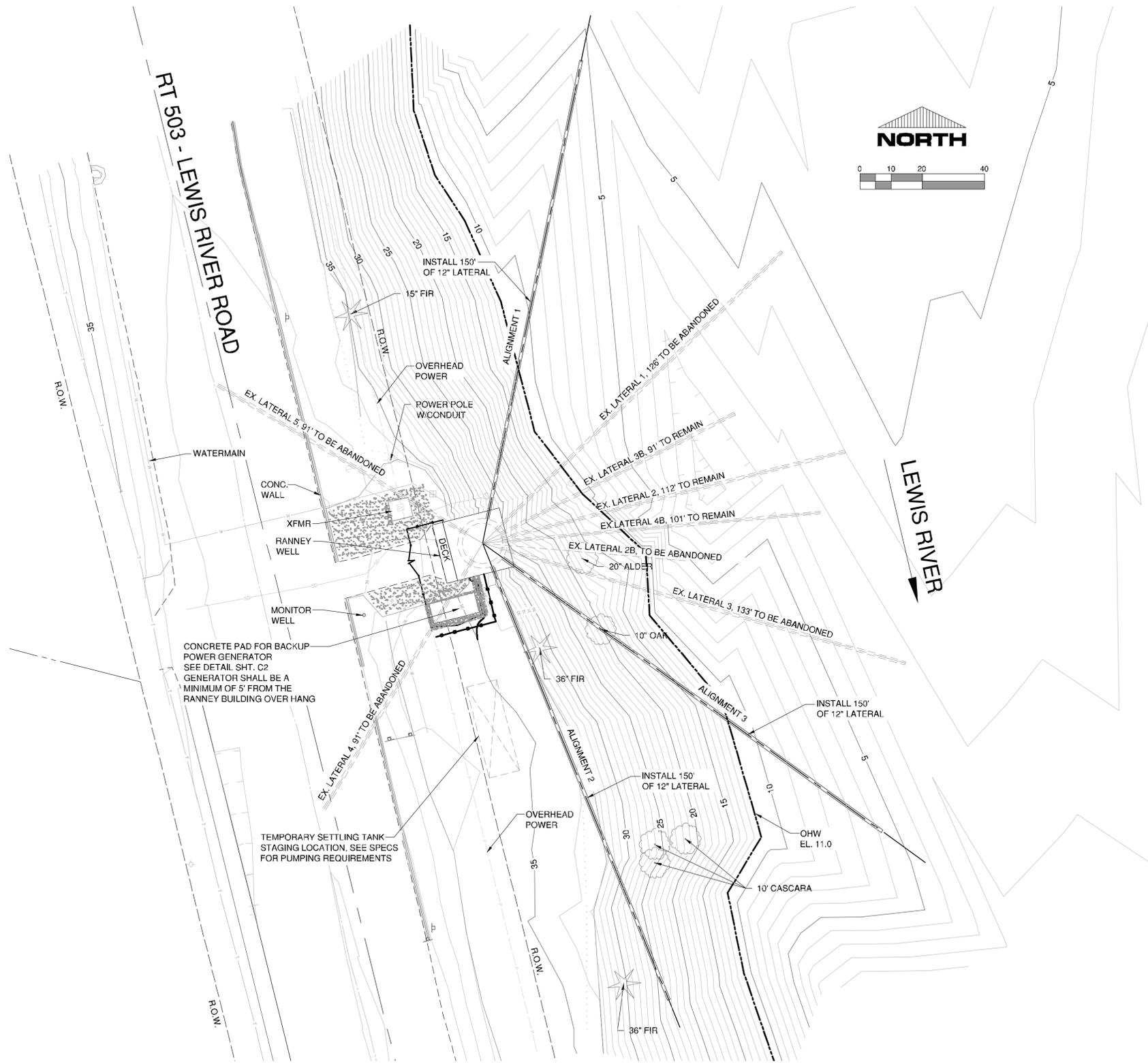
GIBBS & OLSON
 www.gibbs-olson.com
 Project Manager: TG
 Designed by: TG
 CAD by: DM
 Checked by: RG
 Approved by: RG

Project Number:
 08764519

Drawing Number:
 G1

Sheet Number:
 1 of 8

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1
C1
SITE PLAN
SCALE: 1"=20'

Abbreviations

AC	Asphalt Concrete	(N)	North
AFG	Above Finish Grade	(NE)	Northeast
ASS'Y	Assembly	(NW)	Northwest
AVE.	Avenue	(N.T.S.)	Not to Scale
BFV	Butterfly Valve	O.C.	On Center
BLDG	Building	O.D.	Outside Diameter
BLKG	Blocking	OHW	Ordinary High Water
CB	Catch Basin	O/S	Offset
CI	Cast Iron	PERF.	Perforated
CL	Centerline	PVC	Polyvinyl Chloride
CMP	Corrugated Metal Pipe	PVMT	Pavement
CO	Cleanout	PRV	Pressure Reducing Valve
CONC	Concrete	RBC	Rebar and Cap
CPLG	Coupling	RT.	Right
CSBC	Crushed Surfacing Base Course	R.O.W.	Right-of-Way
CSTC	Crushed Surfacing Top Course	S	Slope
DI	Ductile Iron	(S)	South
DIA.	Diameter	SD	Storm Drain
DWY.	Driveway	SDCB	Storm Drain Catch Basin
(E)	East	SDMH	Storm Drain Manhole
EC	Erosion Control	SHT.	Sheet
EL.	Elevation	SS	Sanitary Sewer
EW	Each Way	SSCO	Sanitary Sewer Cleanout
EX.	Existing	SSMH	Sanitary Sewer Manhole
EOP	Edge of Pavement	SST	Stainless Steel
FLG	Flange	ST	Street
FLR	Floor	STA.	Station
FND	Found	STD.	Standard
FOC	Face of Curb	(SE)	Southeast
GV	Gate Valve	(SW)	Southwest
INV.	Invert	TELE.	Telephone
I.E.	Invert Elevation	TESC	Temporary Erosion and Sediment Control
INT.	Intersection	TRANS.	Transition
I.P.	Iron Pipe	TYP.	Typical
LT.	Left	U.N.O.	Unless Noted Otherwise
LF	Linear Feet	(W)	West
MAX.	Maximum	W/	With
MD	Measure Down	WTP	Water Treatment Plant
MIN.	Minimum	XFMR	Transformer
MH	Manhole		
MJ	Mechanical Joint		



Legends

EX. LINETYPES	Existing Building	EX. SYMBOLS	Existing Hydrant
---	Existing Concrete	⊠	Existing Water Meter
- - -	Existing Creek/Ditch	⊗	Existing Gate Valve
⋈	Existing Fence	□	Existing Mail Box
⋈	Existing Gas	⊠	Existing Sign
⋈	Existing Gravel	⊠	Existing Conifer Tree
⋈	Existing Pavement Edge	⊠	Existing Deciduous Tree
⋈	Existing Retaining Wall	⊠	Existing Shrub
⋈	Existing Storm Drain	⊠	Property Corner
⋈	Existing Toe of Slope	⊠	Existing Power Pole
⋈	Existing Top of Slope	⊠	Existing Power Pole Anchor
⋈	Existing Vegetation Line	⊠	Existing Power Transformer
⋈	Existing Water	⊠	Existing Storm Culvert
⋈	Existing Overhead Power	⊠	Existing Storm Drain Catch Basin
⋈	Existing R.O.W.	⊠	Existing Telephone Pole
		⊠	Existing Telephone Pole Anchor
		⊠	Existing Telephone Riser

SHEET INDEX

- | | |
|---|---|
| 1. G1 COVER SHEET | 5. M1 PLAN AND DETAILS |
| 2. C1 SITE PLAN | 6. E1 ELECTRICAL SITE PLAN AND LEGEND |
| 3. C2 PROFILE VIEW GENERATOR PAD PLAN AND DETAILS | 7. E2 ELECTRICAL ONE-LINE DIAGRAMS |
| 4. C3 PROFILE VIEWS | 8. E3 ELECTRICAL FLOOR PLANS AND CIRCUIT SCHEDULE |

Site Plan

Woodland, Washington

Ranney Well Improvement Project

City of Woodland

Horizontal Scale: _____

Vertical Scale: _____

Datum: _____

Survey Book: _____

Project Phase: _____

Project Milestone: _____

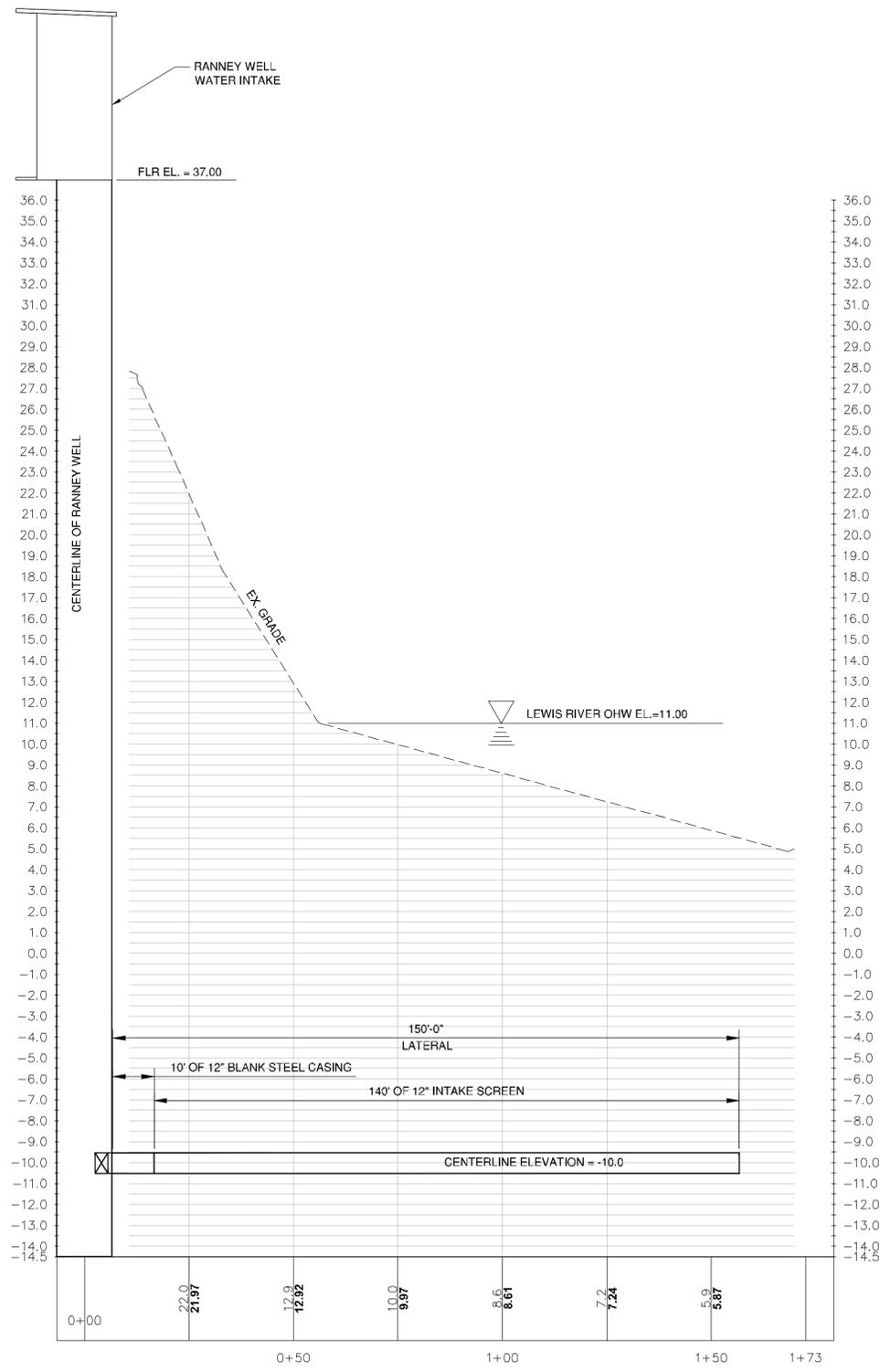
Revision Date: **1/3/2014**

GIBBS & OLSON
CIVIL ENGINEERS • LAND SURVEYORS

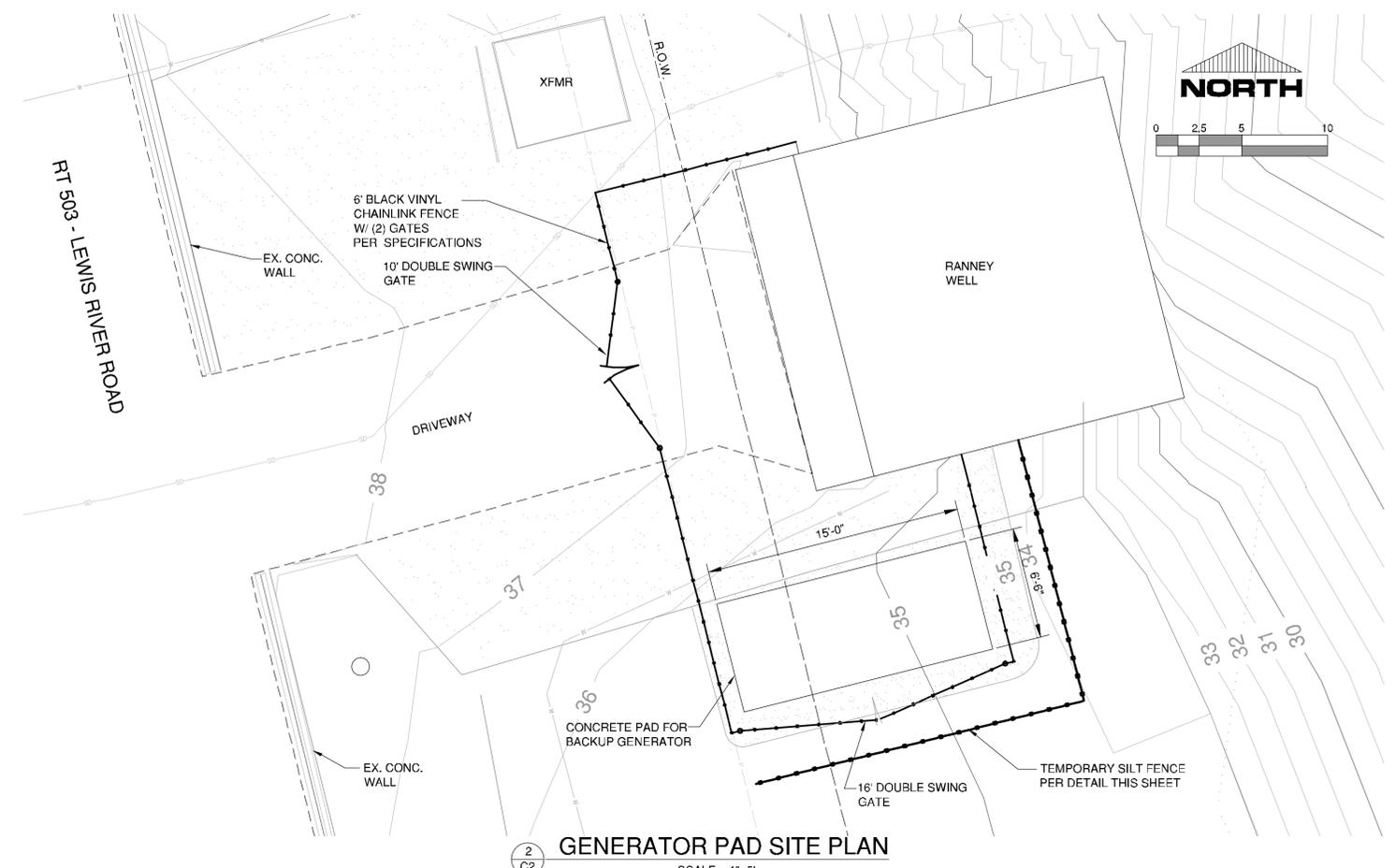
Project Manager: TG
 Designed by: TG
 CAD by: DM
 Checked by: RG
 Approved by: RG

Project Number: **08764519**
 Drawing Number: **C1**
 Sheet Number: **2 of 8**

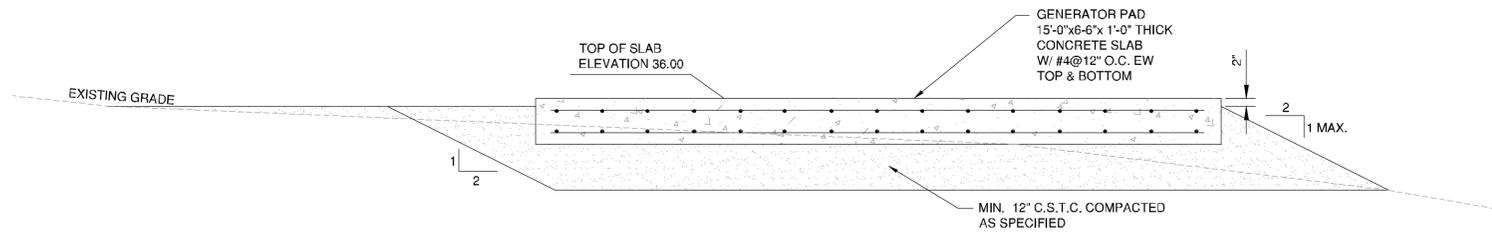
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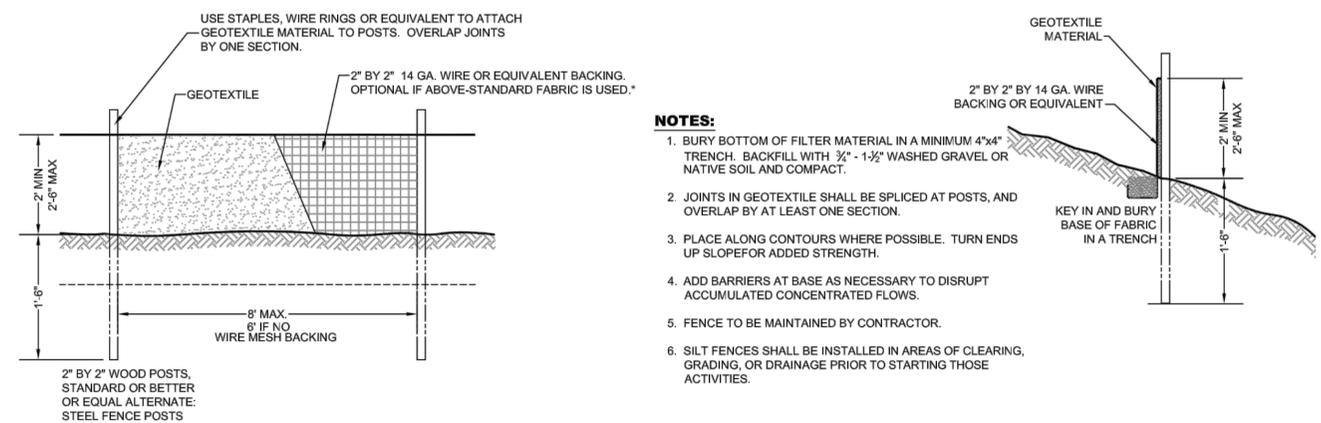
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 C2 PROFILE VIEW ALIGNMENT 1
 SCALE: 1"=4' VERT. 1"=20' HORIZ



2
 C2 GENERATOR PAD SITE PLAN
 SCALE: 1"=5'



3
 C2 GENERATOR PAD ELEVATION VIEW
 SCALE: 1"=10'



4
 C2 TEMPORARY SILT FENCE DETAIL
 SCALE: N.T.S.

- NOTES:**
- BURY BOTTOM OF FILTER MATERIAL IN A MINIMUM 4"x4" TRENCH. BACKFILL WITH 3/4" - 1-1/2" WASHED GRAVEL OR NATIVE SOIL AND COMPACT.
 - JOINTS IN GEOTEXTILE SHALL BE SPLICED AT POSTS, AND OVERLAP BY AT LEAST ONE SECTION.
 - PLACE ALONG CONTOURS WHERE POSSIBLE. TURN ENDS UP SLOPE FOR ADDED STRENGTH.
 - ADD BARRIERS AT BASE AS NECESSARY TO DISRUPT ACCUMULATED CONCENTRATED FLOWS.
 - FENCE TO BE MAINTAINED BY CONTRACTOR.
 - SILT FENCES SHALL BE INSTALLED IN AREAS OF CLEARING, GRADING, OR DRAINAGE PRIOR TO STARTING THOSE ACTIVITIES.

* GEOTEXTILE STANDARDS ARE FOUND IN THE W.WA STORMWATER MANUAL VOLUME II, CHAPTER 4 TABLE 4-10. GO TO: [HTTP://WWW.ECY.WA.GOV/PROGRAMS/WQ/STORMWATER/MANUAL.HTML](http://www.ecy.wa.gov/PROGRAMS/WQ/STORMWATER/MANUAL.HTML)

Profile View
Generator Pad Plan And Details
Woodland, Washington
Ranney Well Improvement Project
City of Woodland

Horizontal Scale:
 Vertical Scale:
 Datum:
 Survey Book:
 Project Phase:

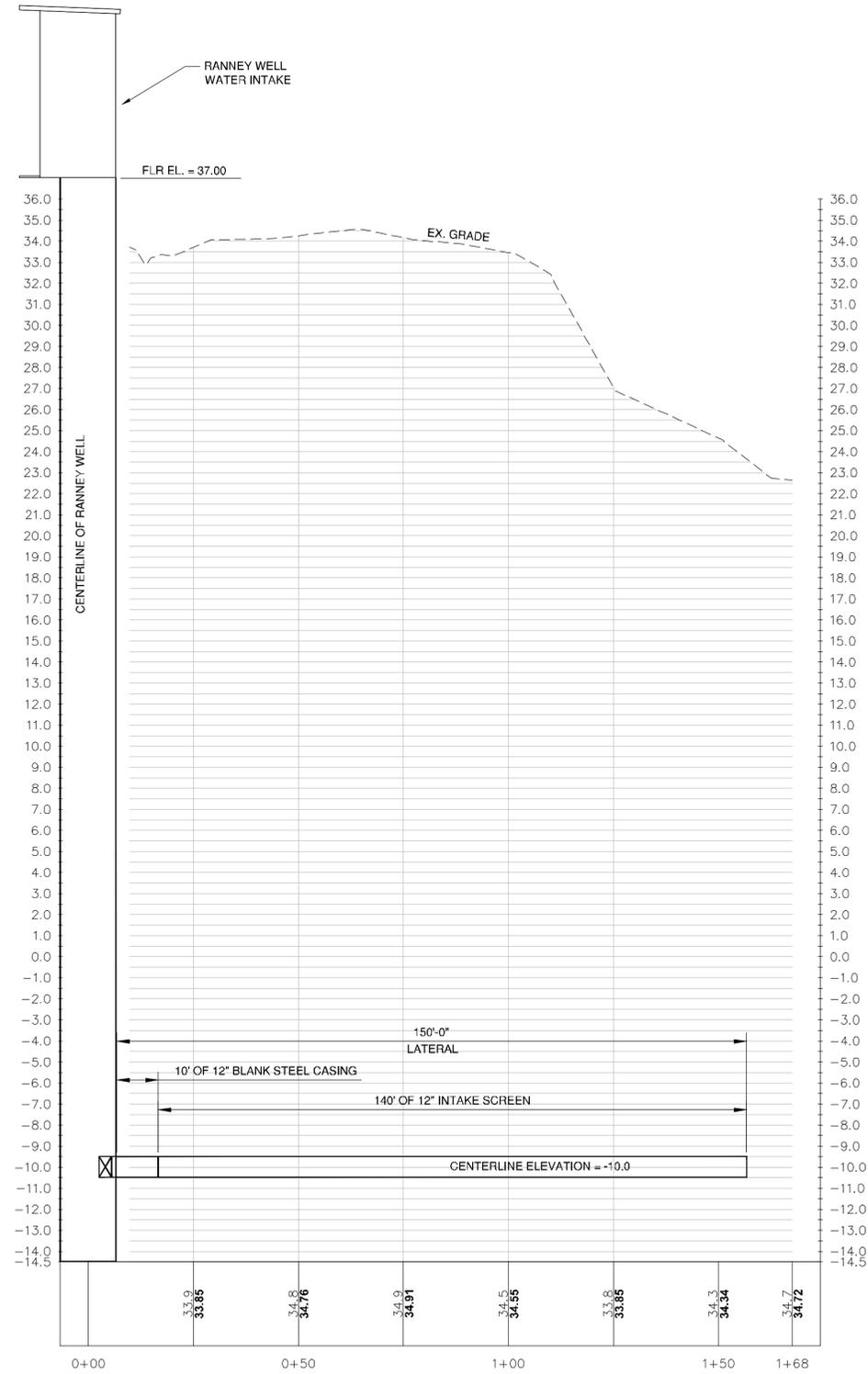
Project Milestone:

Revision Date:
 1/3/2014

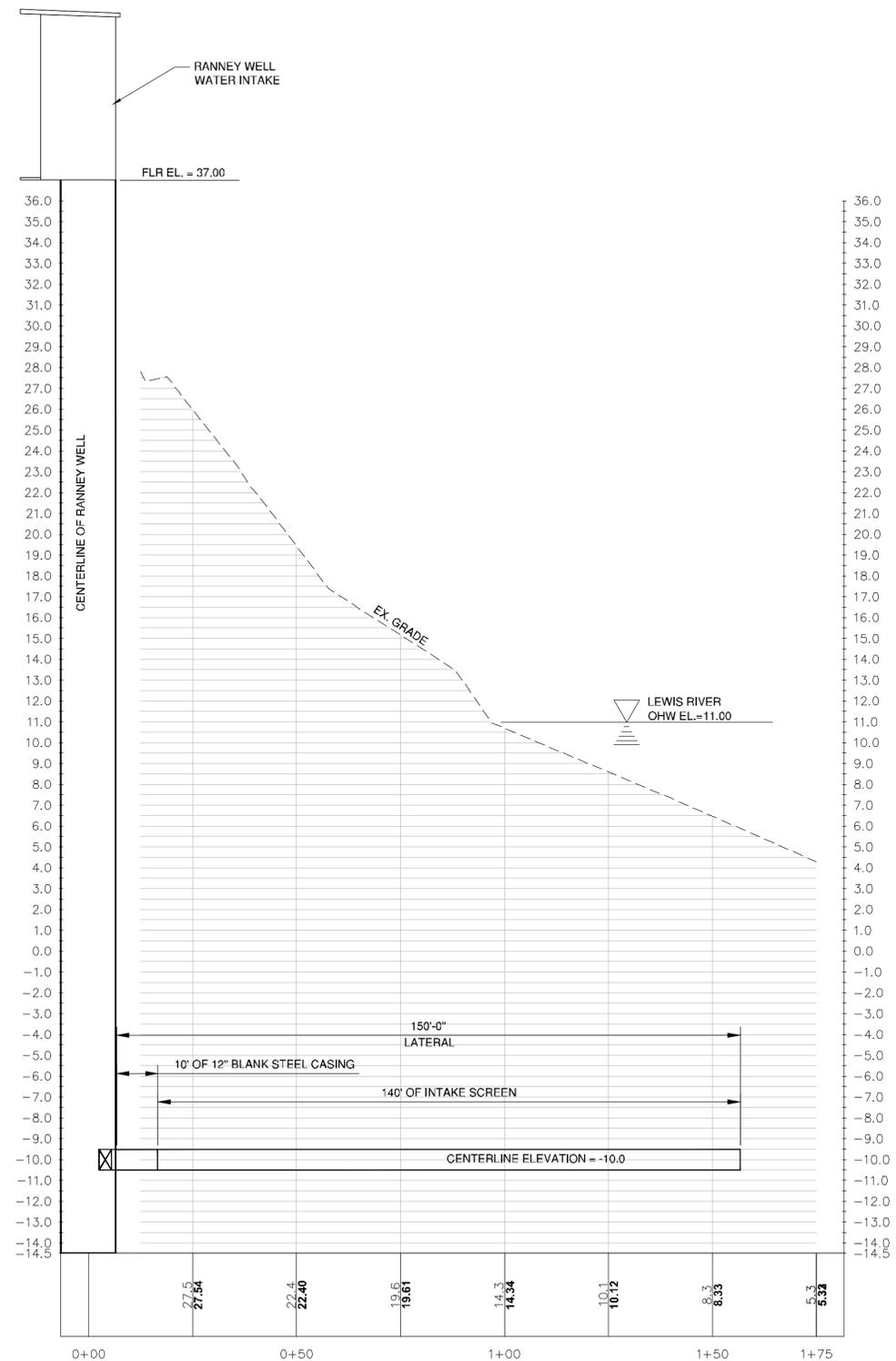


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 Designed by: TG
 CAD by: DM
 Checked by: RG
 Approved by: RG
 Project Number:
 08764519
 Drawing Number:
 C2
 Sheet Number:
 3 of 8

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1
C3 PROFILE VIEW ALIGNMENT 2
 SCALE: 1"=4' VERT. 1"=20' HORIZ



2
C3 PROFILE VIEW ALIGNMENT 3
 SCALE: 1"=4' VERT. 1"=20' HORIZ

Profile Views
 Details

Woodland, Washington
 Ranney Well Improvement Project
 City of Woodland

Horizontal Scale:
 Vertical Scale:
 Datum:
 Survey Book:
 Project Phase:

Project Milestone:

Revision Date:
 1/3/2014



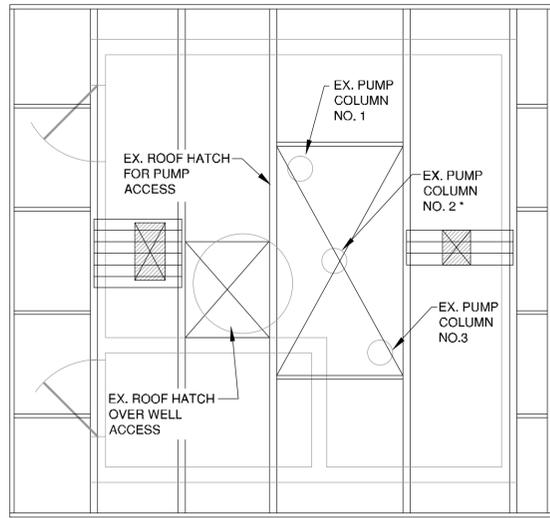
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 Checked by: RG
 Approved by: RG

Project Number:
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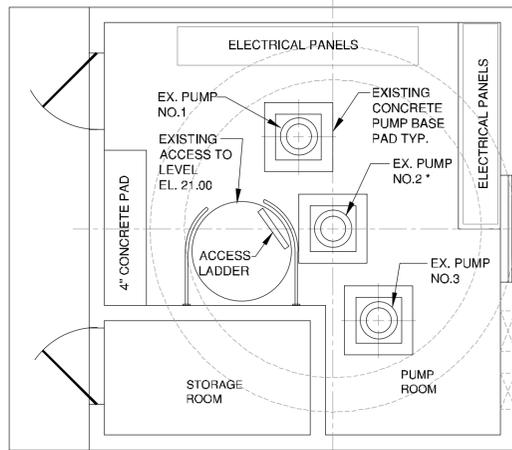
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Sheet Number:
 4 of 8

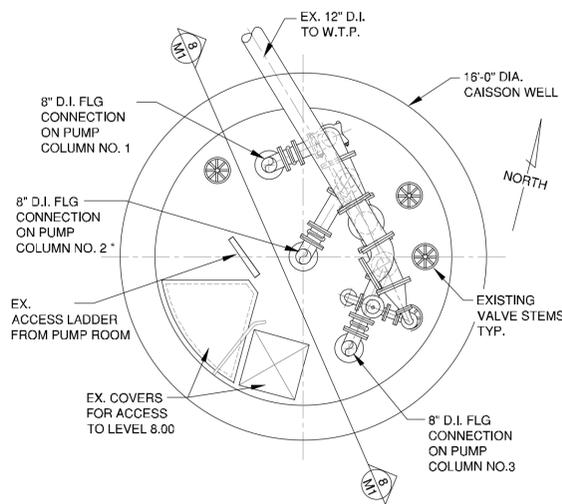
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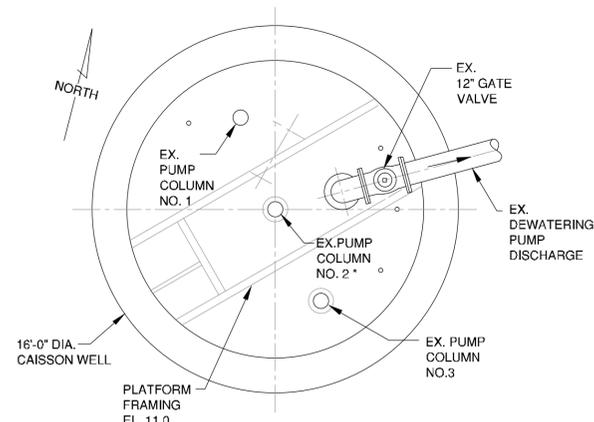
1 Pump Station Roof Plan View
SCALE: 1/4" = 1'-0"



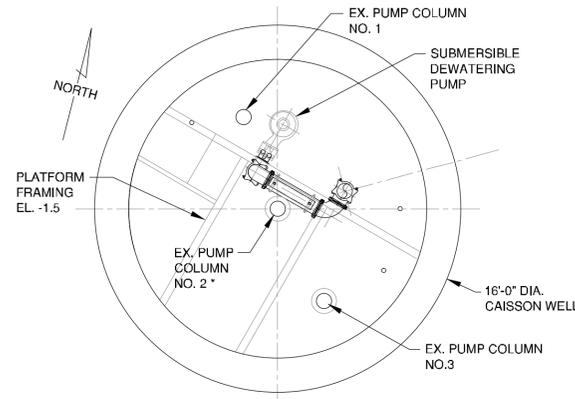
2 Pump Station Plan View Floor El. 37.00
SCALE: 1/4" = 1'-0"



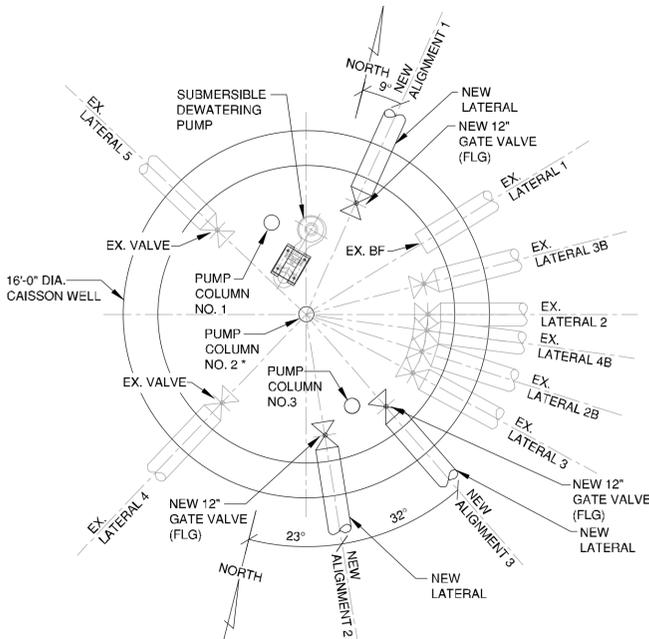
3 Pump Station Plan View Floor El. 21.00
SCALE: 1/4" = 1'-0"



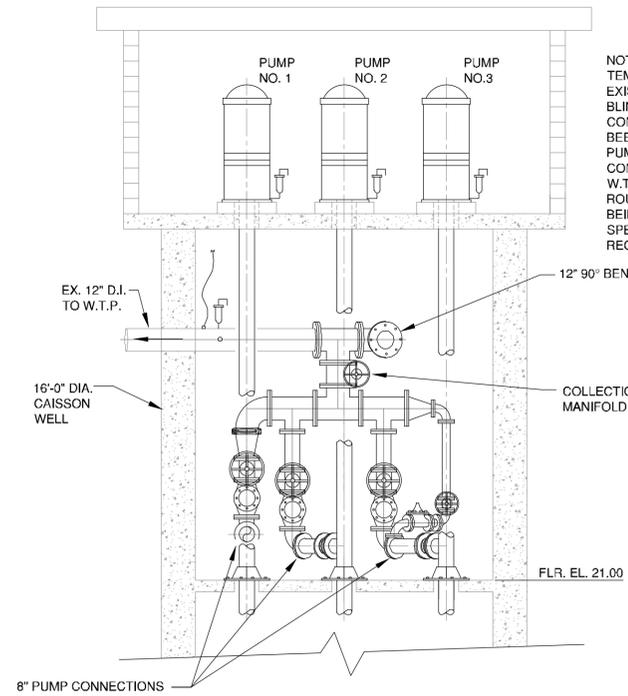
4 Pump Station Plan View Floor El. 11.00
SCALE: 1/4" = 1'-0"



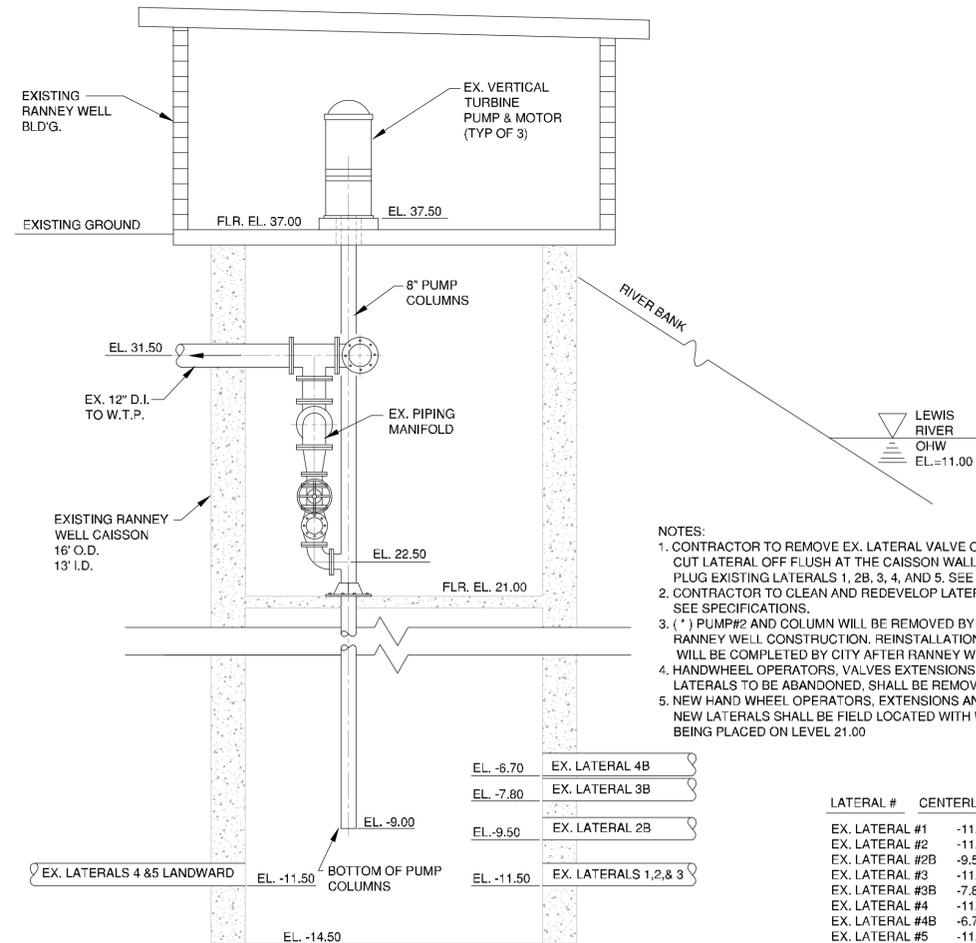
5 Pump Station Plan View Floor El. -1.5
SCALE: 1/4" = 1'-0"



6 Pump Station Plan View Floor El. -14.5
SCALE: 1/4" = 1'-0"



8 Pump Station Elevation View Floor El. 21.00
SCALE: 1/4" = 1'-0"



7 Pump Station Typical Section View
SCALE: 1/4" = 1'-0"

NOTE:
TEMPORARY PUMPS MAY BE CONNECTED TO EXISTING 12-INCH 90° BEND AFTER REMOVING BLIND FLG. AND/OR EXISTING 8-INCH PUMP CONNECTIONS ONCE EXISTING PUMPS HAVE BEEN REMOVED. CONTRACTOR TO PROVIDE PUMPS, PIPING, AND VALVES AS REQUIRED TO CONVEY WATER FROM THE CAISSON TO THE W.T.P. CONSTRUCTION WATER MUST BE ROUTED THROUGH A SETTLING TANK PRIOR TO BEING PUMPED INTO THE MANIFOLD. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

NOTES:
1. CONTRACTOR TO REMOVE EX. LATERAL VALVE OR BLIND FLANGE, CUT LATERAL OFF FLUSH AT THE CAISSON WALL AND CONC. PLUG EXISTING LATERALS 1, 2B, 3, 4, AND 5. SEE SPECIFICATIONS.
2. CONTRACTOR TO CLEAN AND REDEVELOP LATERALS 2, 3B AND 4B. SEE SPECIFICATIONS.
3. () PUMP#2 AND COLUMN WILL BE REMOVED BY CITY PRIOR TO RANNEY WELL CONSTRUCTION. REINSTALLATION OF PUMP#2 WILL BE COMPLETED BY CITY AFTER RANNEY WELL CONSTRUCTION.
4. HANDWHEEL OPERATORS, VALVES EXTENSIONS AND SUPPORTS FOR LATERALS TO BE ABANDONED, SHALL BE REMOVED BY CONTRACTOR.
5. NEW HAND WHEEL OPERATORS, EXTENSIONS AND SUPPORTS FOR NEW LATERALS SHALL BE FIELD LOCATED WITH WHEELS BEING PLACED ON LEVEL 21.00

LATERAL #	CENTERLINE ELEV.
EX. LATERAL #1	-11.50
EX. LATERAL #2	-11.50
EX. LATERAL #2B	-9.50
EX. LATERAL #3	-11.50
EX. LATERAL #3B	-7.80
EX. LATERAL #4	-11.50
EX. LATERAL #4B	-6.70
EX. LATERAL #5	-11.50
NEW LATERALS	-10.00

City of Woodland
 Ranney Well Improvement Project
 Woodland, Washington

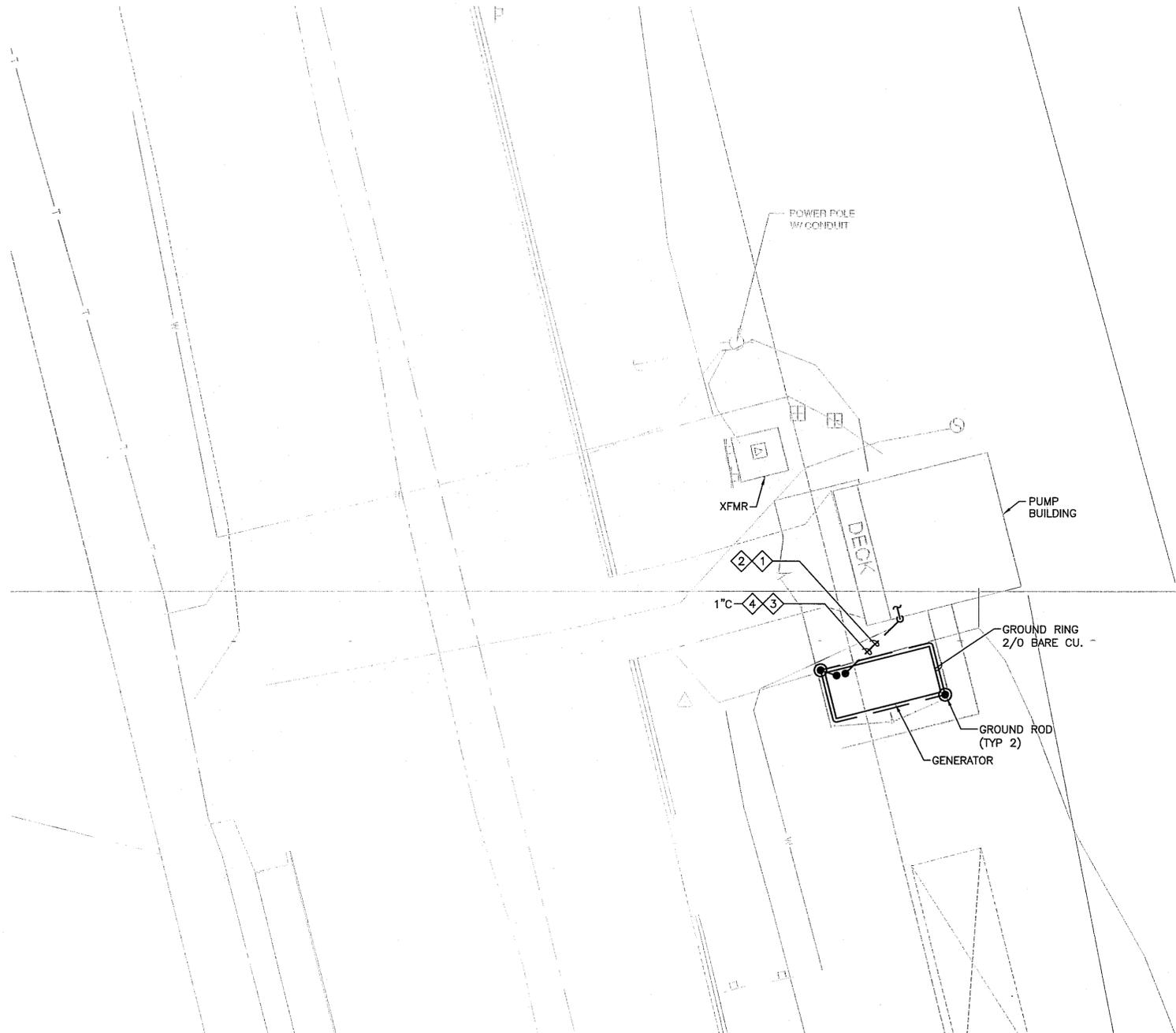
Survey Book:
Project Phase:
Project Milestone:
Revision Date:
1/3/2014



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Project Manager: TG
Designed by: TG
CAD by: DM
Checked by: RG
Approved by: RG
Project Number:
08764519
Drawing Number:
M1
Sheet Number:
5 of 8

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1 | E-1 | E-1
Site Plan - Electrical
 SCALE: 1" = 10'-0"

GENERAL NOTES

- A. ALL EQUIPMENT IS EXISTING, EXCEPT FOR NEW GENERATOR AND RELATED ITEMS.
- B. THE COWLITZ PUD CONTACT REGARDING THE OVERHEAD POWER IS CLINT KISER (360) 423-2210.

ELECTRICAL LEGEND

	DUPLEX RECEPTACLE-NORMAL, GROUND FAULT INTERRUPTING
	CONNECTION TO SPECIAL EQUIPMENT OR OUTLET AS SHOWN
	MOTOR OUTLET, HORSEPOWER INDICATED.
	DISCONNECT SWITCH, RATING SHOWN
	ELECTRICAL EQUIPMENT
	JUNCTION BOX
	HOME RUN, ELECTRICAL PANEL DESTINATION SHOWN.
	CONDUIT CONCEALED UNDERFLOOR OR UNDERGROUND.*
	CONDUIT CONCEALED IN WALL OR ABOVE CEILING IN FINISHED AREAS, EXPOSED IN PROCESS AND EQUIPMENT AREAS.*
*NOTES:	
1. RUNS MARKED WITH CROSS-HATCHES INDICATE NUMBER OF NO. 12 WIRE. LARGER GAUGES ARE SHOWN OR NOTED ELSEWHERE. LONG CROSS HATCH INDICATES NEUTRAL, REVERSE SLANT INDICATES GREEN GROUND WIRE.	
2. FOR UNMARKED CONDUIT RUNS, CONTRACTOR SHALL INSTALL REQUIRED NUMBER OF WIRES FOR POWER AND/OR CONTROL OF ELEMENTS IN CIRCUIT(S) SHOWN. SIZE OF WIRE SHALL BE NO. 12, UNLESS OTHERWISE NOTED OR REQUIRED BY CODE.	
3. SIZE CONDUIT ACCORDING TO SPECIFICATIONS AND APPLICABLE CODE.	
	CURRENT TRANSFORMER
	TRANSFORMER
	GROUND CONNECTION PER NEC ARTICLE 250
	THERMAL MAGNETIC CIRCUIT BREAKER
	MAGNETIC ONLY CIRCUIT BREAKER (MOTOR CIRCUITS ONLY) CONTINUOUS CURRENT RATING AND TRIP SETTINGS SHOWN
	FUSE
	DRAWING NOTE
	ELECTRICAL CIRCUIT IDENTIFICATION
	MULTIPLE ELECTRICAL CIRCUITS, SEPARATE CONDUITS
	MULTIPLE ELECTRICAL CIRCUITS, COMMON CONDUIT (SIZE SHOWN)

NOTE: NOT ALL SYMBOLS USED.

Electrical Site Plan
 And Legend
 Woodland, Washington
 Rainey Well Improvement Project
 City of Woodland

Horizontal Scale: _____
 Vertical Scale: _____
 Datum: _____
 Survey Book: _____
 Project Phase: _____
 Project Milestone: _____
 Revision Date: **1/3/2014**



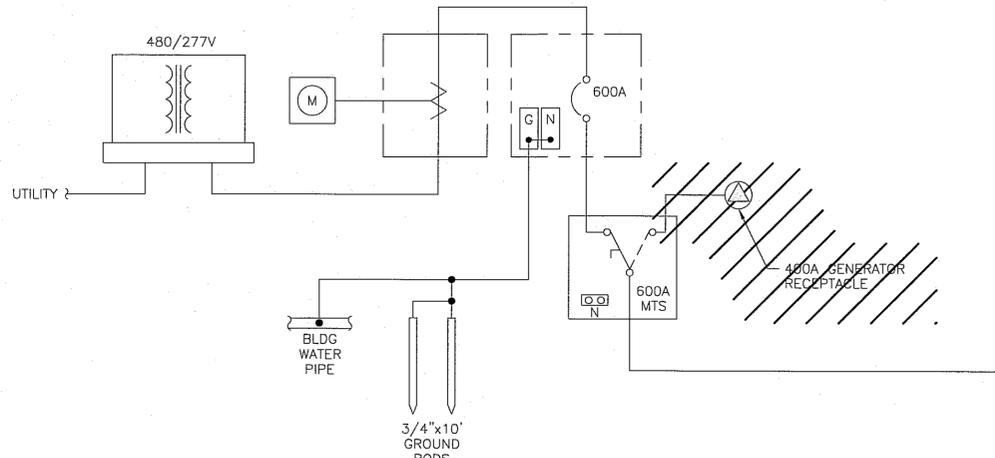
GIBBS & OLSON
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Project Manager: _____
 Designed by: _____
 CAD by: DPR
 Checked by: _____
 Approved by: _____
 Project Number: **08764519**
 Drawing Number: **E1**
 Sheet Number: **6 of 8**

R&W
 ENGINEERING, INC.
"Engineering Integrated Solutions"
 Project No.: 247.107.001 Contact: KENT SMITH

9915 S.W. Allen Boulevard
 Suite 107
 Beaverton, Oregon 97005
 Phone: (503) 425-7750
 Fax: (503) 726-3326
 E-mail: rfweng@rfweng.com

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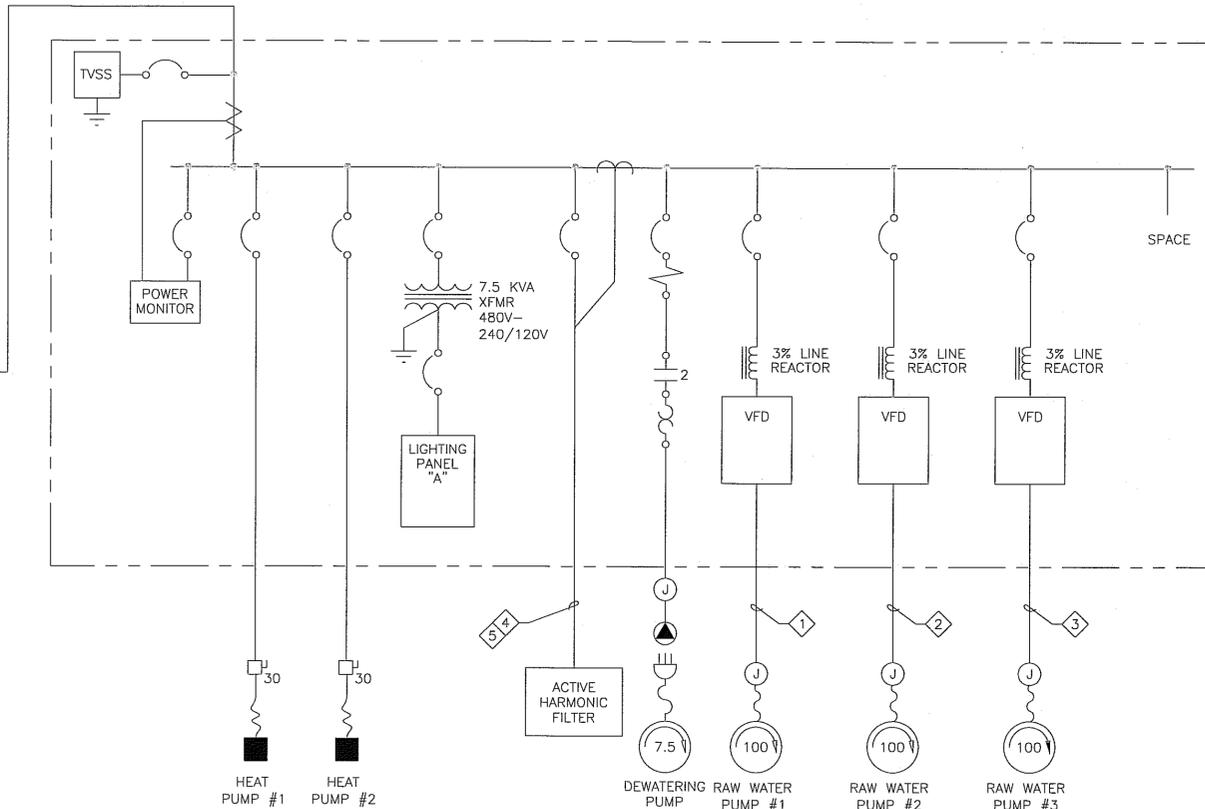


GENERAL NOTES

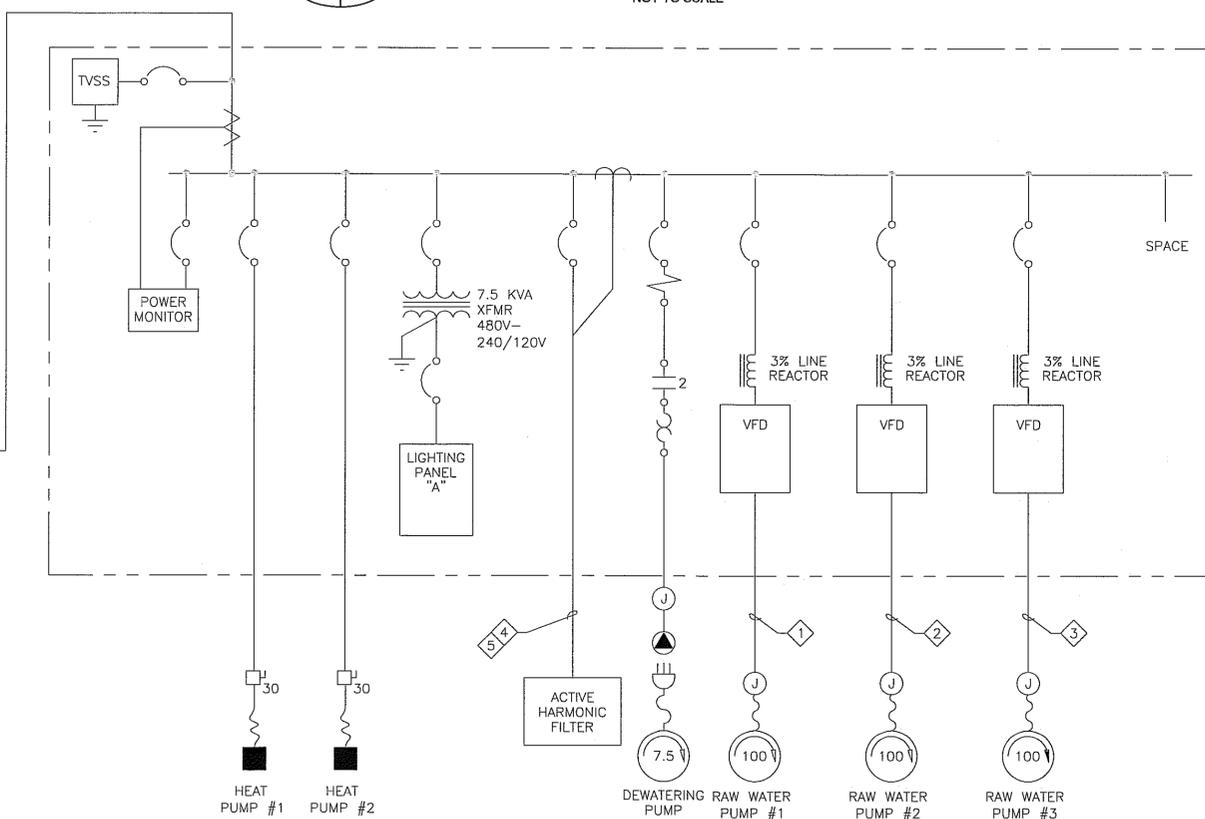
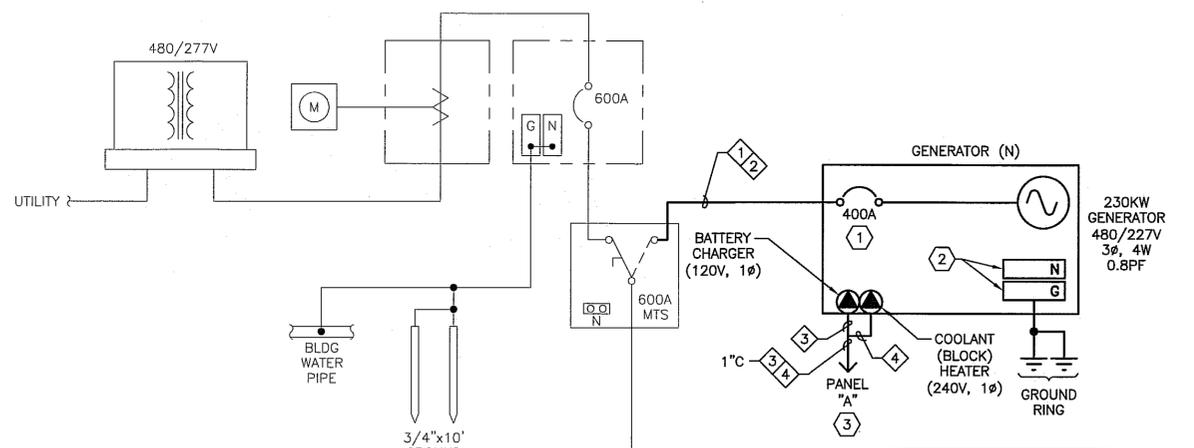
A. ALL EQUIPMENT IS EXISTING, EXCEPT FOR NEW GENERATOR AND RELATED ITEMS.

NOTES THIS SHEET

- 1 PROVIDE 100% RATED CIRCUIT BREAKER WITH ELECTRONIC TRIP UNIT. TRIP UNIT SHALL HAVE L,S,&I ADJUSTMENTS (BOTH PICKUP AND DELAY).
- 2 REMOVE NEUTRAL-GROUND BOND.
- 3 USE CIRCUIT 2 OR NEXT AVAILABLE 20A, 1-POLE (BATTERY CHARGER) AND CIRCUIT 10/12, 20A, 2-POLE (COOLANT HEATER) "SPARE" CB'S IN PANEL A. INSTALL NEW CB'S IF REQUIRED. NEW CB'S TO MATCH EXISTING STYLE/TYPE. VERIFY.



1
E-2 E-2 **Ranney Well One-Line Diagram - Existing/Demo**
NOT TO SCALE



2
E-2 E-2 **One-Line Diagram - New Work**
NOT TO SCALE

PANEL: Panel A		VOLTAGE: 120/240V, 1PH, 3 WIRE				
FEEDER:	SEE POWER RISER	MAIN BRKR:	40A	MOUNTING:	MCC	
CKT NO.	CIRCUIT DESCRIPTION	CKT BREAKER POLES/AMPS	PHASE	CKT BREAKER POLES/AMPS	CIRCUIT DESCRIPTION	CKT NO.
1	PLC	1-20	A	1-20	GEN. BATTERY CHARGER (3)	2
3	OUTLETS	1-20	B	1-20	FANS ON TOP OF MCC	4
5	LIGHTS	1-20	A	1-20		6
7	WATER HEATER	1-20	B	1-15	STORAGE ROOM	8
9		1-20	A	2-20	GEN. COOLANT HEATER (3)	10
11		1-20	B			12
13	SPACE		A		SPACE	14
15	SPACE		B		SPACE	16
17	SPACE		A		SPACE	18

LIGHTING PANEL 'A' SCHEDULE

R&W
ENGINEERING, INC.
"Engineering Integrated Solutions"
9815 S.W. Allen Boulevard
Suite 107
Beaverton, Oregon 97005
Phone: (503) 426-7760
Fax: (503) 726-3328
E-mail: rwweng@rwweng.com
Project No.: 247.107.001 Contact: KENT SMITH

Electrical One-Line Diagrams

Woodland, Washington

Ranney Well Improvement Project

City of Woodland

Horizontal Scale:
Vertical Scale:
Datum:
Survey Book:
Project Phase:

Project Milestone:

Revision Date:
1/3/2014



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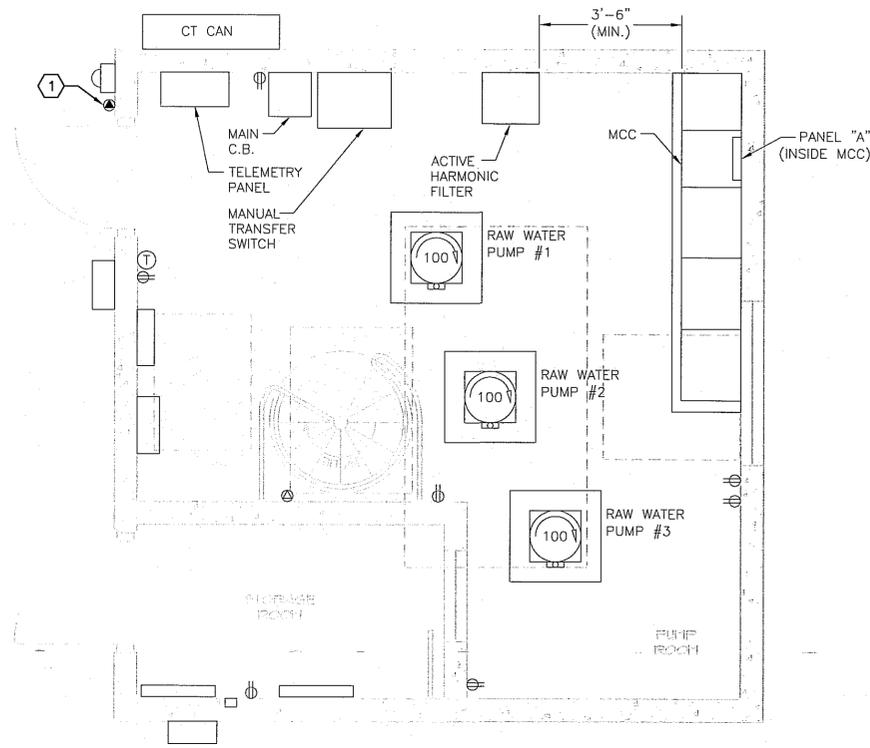
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Designed by:
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Checked by:
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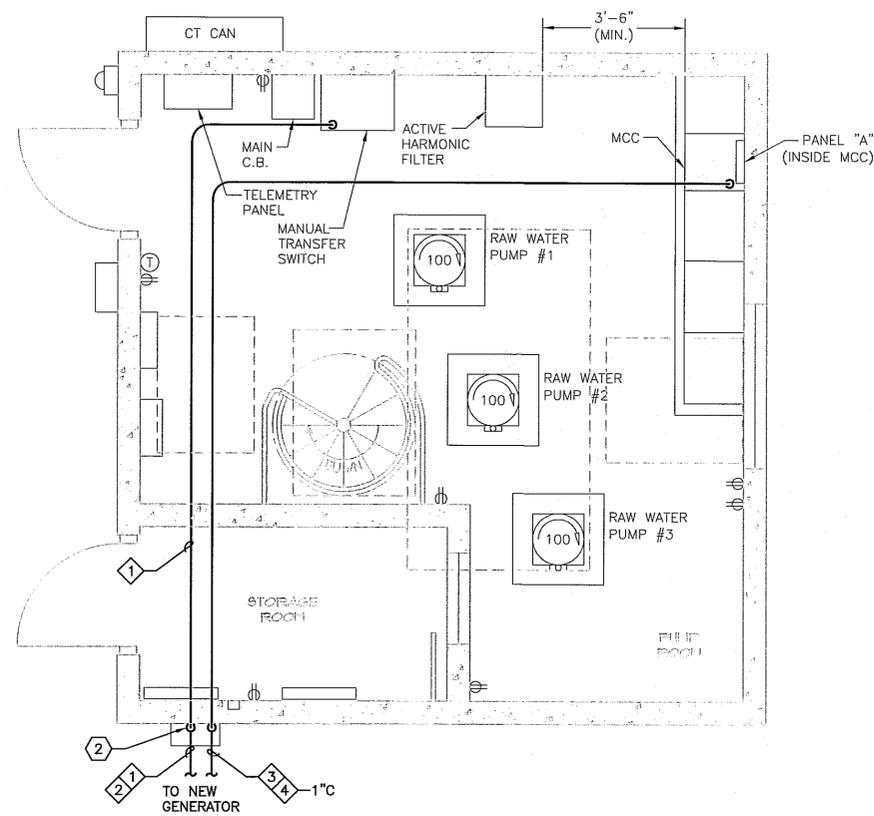
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Sheet Number:
7 of 8

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1 Electrical Floor Plan - Existing
E-3 | E-3
SCALE: 3/8" = 1'-0"



2 Electrical Floor Plan - New Work
E-3 | E-3
SCALE: 3/8" = 1'-0"

GENERAL NOTES

- A. ALL EQUIPMENT IS EXISTING, EXCEPT FOR NEW GENERATOR AND RELATED ITEMS.

NOTES THIS SHEET

- 1 DISCONNECT & REMOVE EXISTING GENERATOR RECEPTACLE AND ASSOCIATED WIRING TO MANUAL TRANSFER SWITCH. SALVAGE TO OWNER.
- 2 STUB-UP CIRCUIT 2 CONDUIT A MINIMUM OF 6-INCHES AFG AND CAP.

CIRCUIT SCHEDULE

ALL CIRCUITS ARE IDENTIFIED ON THE PLANS WITH THE DIAMOND SYMBOL. CONDUCTOR SIZES ARE BASED ON COPPER CONDUCTORS. CONDUIT SIZES ARE SHOWN FOR CASES WHEN CIRCUIT CONDUCTORS ARE RUN WITHOUT OTHER CIRCUITS. MULTIPLE CIRCUITS RUN IN COMMON CONDUITS ARE SHOWN ON PLANS AND SUPERSEDE THE BASIC CONDUIT SIZE SHOWN.

RACEWAY SIZES ARE IN INCHES WITH QUANTITIES IN EXCESS OF (1) SHOWN IN ADJACENT PARENTHESIS. CONDUCTOR CONFIGURATIONS ARE CODED AS FOLLOWS: P - FOR POWER CONDUCTORS, G - FOR GROUND CONDUCTORS, N - FOR NEUTRAL CONDUCTORS, C - FOR CONTROL CONDUCTORS, AND SP - FOR SPARE CONDUCTORS.

CIRCUITS REVISED SINCE LAST ISSUE ARE INDICATED BY AN ASTERISK(*).

CIRCUIT NUMBER	FROM	TO	CONDUCTORS	RACEWAY	NOTES
1	NEW GENERATOR	EXISTING MANUAL TRANSFER SWITCH (MTS) (POWER)	(3) 500 KCMIL, P (1) 500 KCMIL, N (1) 1 AWG, G	3	
2	NEW GENERATOR	EXISTING BUILDING	-----	1.25	"FUTURE" ATS CONTROLS. STUB-UP OUTSIDE BUILDING, NEAR "POWER" CONDUIT. INSTALL PULL CORD. CAP.
3	EXISTING PANEL "A" (INSIDE MCC)	NEW GENERATOR BATTERY CHARGER	(1) 12 AWG, P (1) 12 AWG, N (1) 12 AWG, G	3/4	
4	EXISTING PANEL "A" (INSIDE MCC)	NEW GENERATOR COOLANT (BLOCK) HTR	(2) 12 AWG, P (1) 12 AWG, G	3/4	

Electrical Floor Plans
And Circuit Schedule

Woodland, Washington
Ranney Well Improvement Project
City of Woodland

Horizontal Scale:
Vertical Scale:
Datum:
Survey Book:
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Project Milestone:

Revision Date:
1/3/2014



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Project Manager:
Designed by:
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Approved by:

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Drawing Number:
E3

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8 of 8

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ENGINEERING, INC.
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E-mail: rweng@rweng.com
Project No.: 247.107.001 Contact: KENT SMITH