

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED**AUG 05 2016****DEPARTMENT OF
WATER RESOURCES**

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

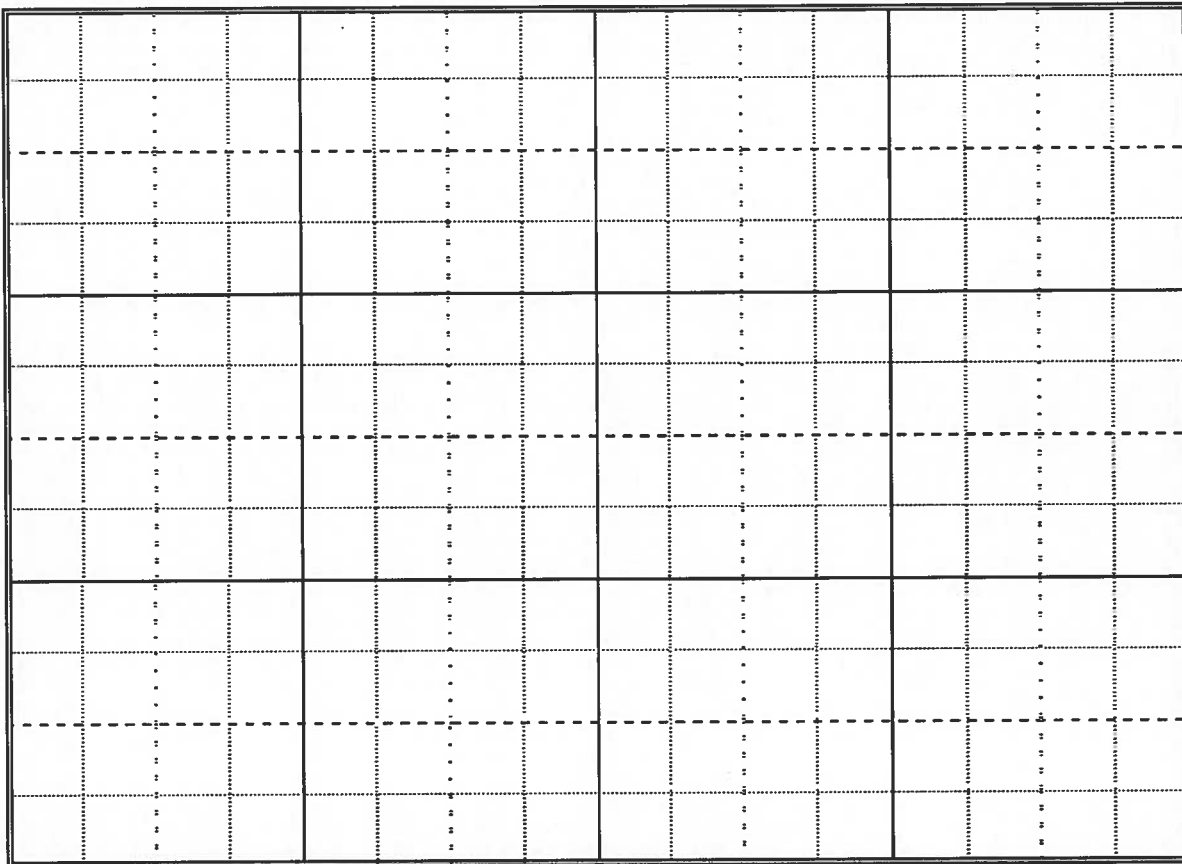
A. GENERAL INFORMATIONPermit No. 85-156901. Owner Tammany View LLC, c/o Donald Blewett Phone No. 208-983-2933Current address P.O. Box 356, Grangeville, ID 835302. Examiner's name Terry Scanlan, P.E., P.G., CWRE #129 EXAM DATE May 31, 20163. Accompanied by Don Blewett Email drblewett@hotmail.comAddress P.O. Box 356, Grangeville, ID 83530Relationship to permit holder member, Tammany View LLC Phone No. 208-983-29334. Source ground water tributary to NA**B. OVERLAP REVIEW**1. Other water rights with the same place of use none2. Other water rights with the same source and point of diversion none**C. DIVERSION AND DELIVERY SYSTEM****1. Point(s) of Diversion:**

Ident. No.	Gov't Lot	¼	¼	¼	Sec	Twp	Rge	County	Method of Determination/Remarks
1			SE	SE	7	34N	4W	Nez Perce	Aerial Photography, GIS
2			SE	SE	7	34N	4W	Nez Perce	Aerial Photography, GIS

2. Place(s) of Use: Method of determination _____

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
34N	4W	7															M	M	
		18	M	M	M	M													

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



Scale: 1" = _____

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

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
1 (north)	unknown	20	submersible	Goulds 45J20	2" at pump, 4" piping
2 (south)	unknown	20	submersible	Goulds 45J20	2" at pump, 4" piping

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Flow Meter North	Turbine	Neptune	HP	70211436	4"	11/05/08
Flow Meter South	Turbine	Neptune	HP	70211437	4"	11/05/08 (assumed)

2. **Measurements:** _____

Flow rates from each well were measured individually using the installed north and south flow meters at 41.4 and 33.1 gpm at 140 and 138 psi discharge pressure, respectively. When both wells were pumped together, the two wells produced 73 gpm at 143 psi. Flow meter calibration was checked and found to be accurate within 5 percent overall.

E. NARRATIVE/REMARKS/COMMENTS

Two wells supply a domestic water system serving 38 stubbed-in lots in Phase 3 of Tammany View III Subdivision.

Lots served by the system include: Lots 1-18, Block A, Lots 1-15, Block B, and Lots 1-5, Block C.

Water from the wells is pumped through a well house equipped with flow meters, valves, and motor controls, and then to a 59,500-gallon storage tank through 4-inch PVC water main. Taps along the water main serve individual homes.

The wells are each 930 feet deep and equipped with identical 20-hp submersible pumps. At the time of the field examination, no homes have been constructed but all water system components were installed and operable except for the booster pump system to serve approximately 15 high elevation lots. Water is currently delivered to these lots from the water system, but at pressure less than 40 psi required under IDEQ rules. Flow rates were measured from wells using installed turbine flow meters in "like new" condition.

Well pumps are to be controlled using a float switch in the tank. Wiring from the tank to the well house is installed, but the float switch was not hooked up at the time of the field exam. Pumps were operated in hand mode for the exam. Storage tank was nearly full based on float indicator, and water lines were under pressure at booster pump station and at an observed tap along the delivery pipe. Water flow into the tank was audible.

Additional information is provided in the following attachments.

Attachment A - Permit to Appropriate Water

Attachment B - Statement of Completion for Submitting Proof of Beneficial Use

Attachment C - Statement of Reasonable Cause for Filing Late Proof of Beneficial Use

Attachment D - Water System Schematic and Water System Plans

Attachment E - Well Driller's Reports

Attachment F - Pump Performance Curve

Attachment G - USGS Topographic Map and Aerial Photography of Service Area and Well Locations

Attachment H - Beneficial Field Examination Photos

Attachment I - Summary of Flow Rate Measurements

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

Proof of beneficial use was not submitted by the June 1, 2011 proof date and the permit subsequently lapsed.

However, water system components (wells, well pumps, well house, buried piping, and storage tank) were installed in 2007 and 2008, prior to the proof date. To reinstate the permit, this Beneficial Use Field Exam, Statement of Completion of Beneficial Use, Statement of Reasonable Cause for Filing Late Proof of Beneficial Use, and a \$250 reinstatement application fee are provided pursuant to Section 42-218a(2), Idaho Code.

F. FLOW CALCULATIONS☒ Additional computation sheets attached

Measured Method:

Flow Meters - 73 gpm = 0.16 cfs

Theoretical flow rate based on pump curves is 41 gpm per pump, and 82 gpm combined total, based on TDH of 1162 feet (792-foot pumping water level, 143 psi discharge pressure, and 40 feet friction loss)

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

2. Volume Calculations for Other Uses:

38 stubbed-in lots x 1.2 af/lot (standard for domestic uses) = 45.6 af

H. RECOMMENDATIONS**1. Recommended Amounts**

Beneficial Use	Period of Use		Rate of Diversion	Annual Volume
	From	To	Q (cfs)	V (afa)
municipal	1/1	12/31	0.16	45.6
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
Totals:			0.16 cfs	45.6 afa

2. Recommended Amendments

- ☐ Change P.D. as reflected on page 1 ☐ Add P.D. as reflected on page 1 ☒ None
☐ Change P.U. as reflected on page 1 ☐ Add P.U. as reflected on page 1 ☐ Other

I. AUTHENTICATION

Field Examiner's Signature

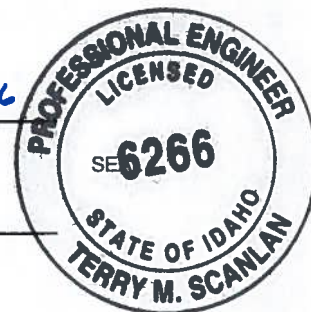
Terry M. Scanlan

Date

7/20/2016

Reviewer _____

Date _____



Attachment A
Permit to Appropriate Water

State of Idaho
Department of Water Resources
Permit to Appropriate Water
NO. 85-15690

Priority: March 09, 2007

Maximum Diversion Rate: 0.20 CFS

This is to certify, that TAMMANY VIEW LLC
PO BOX 356
GRANGEVILLE ID 83530

has applied for a permit to appropriate water from:

Source: GROUND WATER

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

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>
MUNICIPAL	01/01 to 12/31	0.20 CFS

LOCATION OF POINTS OF DIVERSION:

GROUND WATER	SE¼ SE¼ Sec. 7, Twp 34N, Rge 04W, B.M.	NEZ PERCE County
GROUND WATER	SE¼ SE¼ Sec. 7, Twp 34N, Rge 04W, B.M.	NEZ PERCE County

CONDITIONS OF APPROVAL

1. Proof of application of water to beneficial use shall be submitted on or before **June 01, 2011**.
2. Subject to all prior water rights.
3. Right holder shall comply with the drilling permit requirements of Section 42-235, Idaho Code and applicable Well Construction Rules of the Department.
4. Points of diversion are located within Lot 1, Blk. C, Tammany View Subdivision, Phase 3.
5. Place of use is within the area served by the public water supply system of Tammany View, LLC. The place of use is generally located within Sections 7 and 18, Township 34N, Range 4W.
6. A map depicting the place of use boundary for this water right at the time of this approval is attached to this document for illustration purposes.
7. Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which the permit holder had no control.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code. Witness the signature of the Director, affixed at Boise, this 15th day of June, 2011.


DAVID R. GUTHILL, JR., Director

State of Idaho
Department of Water Resources
Permit to Appropriate Water

NO. 85-15690

Digital Boundary for Tammany View, LLC.

June 15, 2007



0.2 0 0.2 0.4 Miles

-  Digital boundary - tammany view, llc.shp
-  Sections
- QQ



Attachment B
Statement of Completion for Submitting
Proof of Beneficial Use

RECEIVED

AUG 05 2016

DEPARTMENT OF
WATER RESOURCESSTATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
STATEMENT OF COMPLETION
FOR SUBMITTING PROOF OF BENEFICIAL USE

FOR OFFICE USE ONLY

Amt. of Fee \$ _____
Receipt No. _____
Received By _____
Date Received _____

The Idaho Department of Water Resources considers this form a statement by the permit holder(s) that development of a water right has been **completed** and that water has been applied to beneficial use to the extent described below. **This form must be accompanied by an examination fee, when necessary, or by a completed Beneficial Use Field Report prepared by a certified water right examiner.** Please refer to the instructions and fee schedule for this form. If ownership of the permit has changed, contact any Department office or visit the Department's website at idwr.idaho.gov for an *Assignment of Permit* form. If you wish to relinquish your permit because you have not established the authorized use of the water and are not applying for an extension, please notify the Department in writing.

1. Permit No. 85-15690 Telephone No. 208-983-29332. Name of Permit Holder(s) Tammany View LLC, c/o Donald Blewett3. Mailing Address PO Box 356 City Grangeville
State ID Zip 83530 Email drblewett@hotmail.com4. Source of Water groundwater If **GROUND WATER** (well), Date Drilled mo. 5 / yr. 2007
Well Driller Two U Drilling, LLC Drilling Permit Number 846771 and 846772

5. Extent of use(s) completed as authorized by the water right permit:

Domestic (No. of households) _____ Stockwater (No. and type of stock) _____
Irrigation (No. of acres) _____ Other municipal6. Total rate of diversion or storage volume for which proof is submitted 0.16 cfs OR _____ acre-feet.7. Compliance with a measuring device requirement, lockable controlling device requirement, and/or other conditions of permit:
Refer to the approval conditions on your permit and respond accordingly.**The Department will not issue a license if permit conditions are not met.**

Measuring Device	Is a measuring device required?	Yes ☐	No ☒
	If yes, has the measuring device been installed?	Yes ☐	No ☐
Lockable Controlling Device	Is a lockable device required to control the diversion?	Yes ☐	No ☒
	If yes, has the lockable device been installed?	Yes ☐	No ☐
Fish Screen	Is a fish screen required?	Yes ☐	No ☒
	If yes, has the fish screen been installed?	Yes ☐	No ☐

Other Conditions of Permit

Do the approval conditions on your permit require you to submit additional information in connection with your proof of beneficial use? If yes, list the conditions below and attach documents with the required information.

Completed? Yes ☐ No ☒8. Fee Enclosed \$ _____ or not applicable ☒. See fee schedule on page 2 of the instructions.
Proof statements filed without an appropriate fee, will be considered incomplete.

9. Person to contact to accompany the Department representative during field examination of the water system.

Name NA - Beneficial Use Field Report provided Telephone Number _____

Mailing Address _____ City _____

State _____ Zip _____ Email _____

The information given on this form is my true statement of the extent to which the above numbered permit has been developed and water has been diverted and applied to a beneficial use. I understand that any undeveloped portion of the permit is relinquished to the State of Idaho.

Signature of Permit Holder [Signature] Date 6-12-16
(Include your title, if on behalf of company or organization)

Attachment C
Statement of Reasonable Cause for
Filing Late Proof of Beneficial Use

AUG 05 2016

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Receipt no C102343
Received by dy
Date 8/5/16

Request to Reinstate a Permit Lapsed more than Sixty Days

Statements of Completion for Submitting Proof of Beneficial Use submitted more than sixty (60) days after mailing of a lapsed permit notice must be accompanied by a Beneficial Use Field Report prepared by a certified water right examiner as the result of an examination to clearly confirm and establish the extent of the beneficial use of water established in connection with the permit during the time authorized by the permit and any extensions of time previously approved, a statement of reasonable cause for filing late proof of beneficial use, and a reinstatement application fee of \$250 per§ 42-218a(2), Idaho Code.

Statement of reasonable cause for filing a late proof of beneficial use:

See attached statement of reasonable cause.

Required items:

- ☒ Statement of Completion for Submitting Proof of Beneficial Use
- ☒ Beneficial Use Field Report
- ☒ Reinstatement application fee of \$250

The information contained in this statement is true to the best of my knowledge. I understand that should the department reinstate my permit that the priority date will be advanced to the day that proof of beneficial use was received.

Signature of Permit Holder or Authorized Representative

Print Name and Title if applicable

Date _____

Signature of Permit Holder or Authorized Representative

Print Name and Title if applicable

Date _____

**STATEMENT OF REASONABLE CAUSE FOR REINSTATEMENT
PERMIT NO. 85-15690 ISSUED IN THE NAME OF TAMMANY VIEW, LLC**

Tammany View 3, Inc. is the successor in interest to, and assignee of, Water Right Permit 85-15690 issued by IDWR to Tammany View, LLC authorizing diversion of up to 0.20 cfs of water for municipal purposes to serve Phase 3 of the Tammany View Subdivision in Nez Perce County, Idaho. Phase 3 is approved by Nez Perce County for development of 38 residential lots. Beginning in 2007, Tammany View, LLC was created to construct the community water system for Phase 3. Tammany View 3, Inc. also is the successor in interest to Tammany View, LLC in the community water system.

In May of 2007, Tammany View, LLC obtained drilling permits for two wells, and the wells were completed that month by Uhlenkott Drilling. Water Right Permit 85-15690 was issued on June 15, 2007 and design and development of the community water system proceeded with diligence through 2010, at which point the two wells had been completed, equipped with permanent pumps, and test pumped as producing 53+ gallons per minute, a pump house and related fixtures had been constructed and the mainlines and distribution lines had been extended and stubbed to all 38 platted residential lots. Electric service was brought to the lower pump house and waterlines were pressurized, tested, chlorinated and sealed.

On June 14, 2007 Tammany View, LLC quitclaimed all of its interests in the community water system to Tammany View 3, Inc. The parties' intent in this transfer of interest was that Tammany View 3, Inc. would complete construction of the system and beneficial use of the appurtenant water right permit on behalf of all the lot owners of Phase 3, and manage, among other things, the Phase 3 water system.

The original estimated cost for the water system was approximately \$300,000. However, for various reasons, including upgrades in system components to accommodate what at one point would have been an approved subdivision of 78 lots, total capital expenditures by Tammany View, LLC and Tammany View 3, Inc. for the Phase 3 community water system totaled approximately \$800,000.

Commencement of construction of the water system and its completion, proceeded and coincided in large part with the downturn of the U.S. economy, particularly the downturn in the real estate sector of the economy that began in 2007-2008. This downturn and the ensuing recession precluded construction of homes on all of the Phase 3 lots—no homes have been constructed to date. Given this situation, in approximately 2010 it was determined by the principals of Tammany View 3, Inc., who also owned all the lots in Phase 3, not to activate the water system until residences were built and requests were made for water service. A decision also was made at that time not to install a booster pump that would be necessary to meet IDEQ-required minimum pressure to lots in certain low pressure zones of the subdivision. There currently are no developed lots in Phase 3 and no request for service has been made to-date.

The significant capital expenditures made to develop the water system, which coincided with the economic downturn that began in 2007 and resulted in the recession, precipitated financial and legal consequences, some of which continue today. As a result, the principals' attention in the ensuing years has been focused on these immediate matters. Tammany View 3, Inc. has taken immediate, reasonable steps to seek reinstatement to protect the substantial investments made in the community water system and the expectations and needs of the owners of lots in Phase 3. Tammany View 3, Inc. believes that its actions and those of Tammany View, LLC were reasonable under the circumstances that occurred while the water right was being developed, and afterward, which resulted in Tammany View 3, Inc. missing the June 2011 filing deadline for submitting proof of beneficial use to IDWR, and therefore requests that the permit be reinstated.

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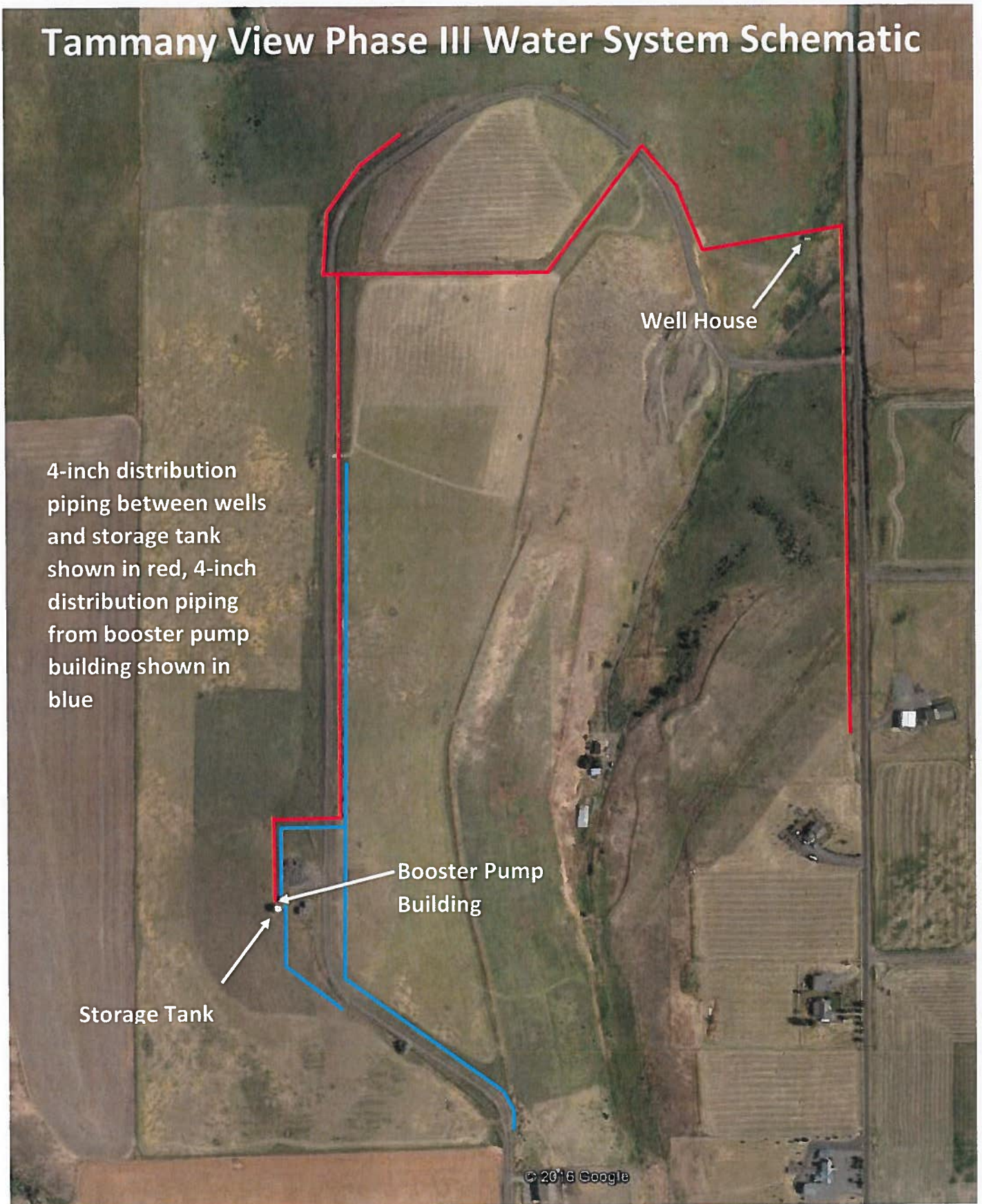
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Attachment D
Water System Schematic and Water System Plans

Tammany View Phase III Water System Schematic



DEQ

NECD
4/28/08
2220 02

TAMMANY VIEW PROPERTIES

PHASE III WATER SYSTEM

TAMMANY VIEW LLC

GRANGEVILLE, IDAHO 83530



STATE OF IDAHO



NEZ PERCE COUNTY

LOCATION MAP

**PROGRESSIVE
ENGINEERING GROUP, INC**

PLANNING DESIGN + CONSTRUCTION MANAGEMENT

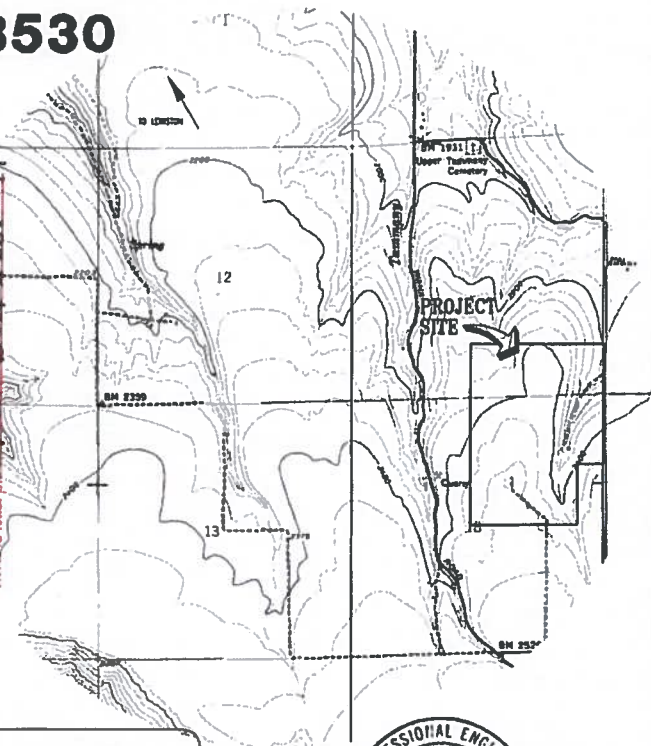
1208 IDAHO STREET
LEWISTON, IDAHO 83501
PH (208) 746-5406 FAX (208) 746-8732

PLANS & SPECIFICATIONS REVIEW

By Tom Moore Date 5/19/08
Engineer

These plans and/or specifications have been reviewed for compliance with Idaho Dept. of Environmental Quality rules and are hereby approved. This review does not relieve the owner, engineer, or the contractor of the responsibility to design or construct these facilities in compliance with all current applicable federal, state and local laws, rules, regulations, or ordinances.

Plans and/or specifications have been maintained for review if construction is not completed by 5/19/09.
Refer to letter of 5/19/08 DON AKEWORTH



WV

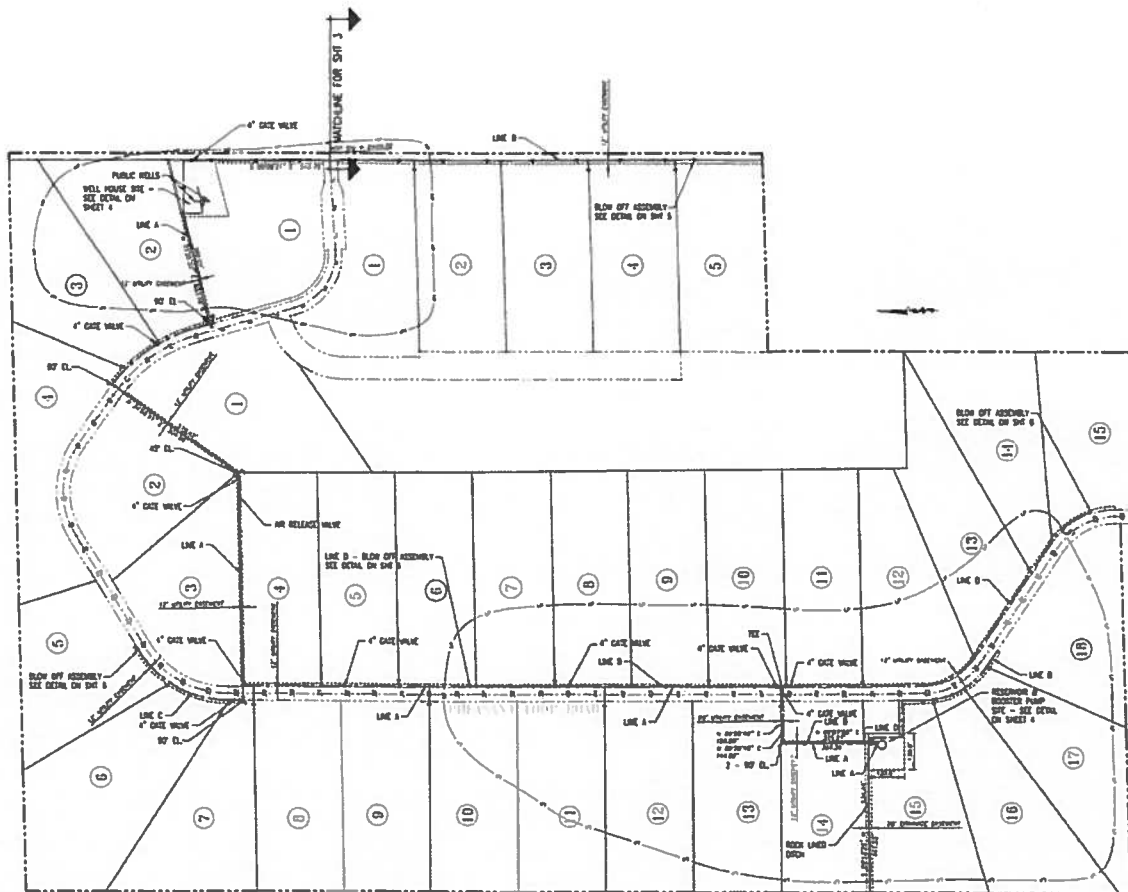
ENGINEERING

Engineering Services
Construction
Utilities

•
•
•

3435 Clatsop Road Clatsop, Washington 99603 Phone: 509-243-4000 Fax: 509-243-4004





SITE PLAN

LEGEND

- EASEMENT LINE
- RIGHT-OF-WAY LINE
- PROPERTY LINE
- CENTERLINE
- PLAT BOUNDARY
- WATERLINE - 4\"/>
- LOW PRESSURE ZONE
- HIGH PRESSURE ZONE

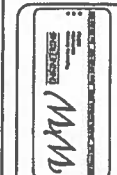
TABLE OF CONTENTS

SHEET #	DESCRIPTION
A	COVER SHEET & LOCATION
1	GENERAL LAYOUT
2	PLAN & PROFILE DISTRIBUTION SYSTEM
3	PLAN & PROFILE DISTRIBUTION SYSTEM
4	WELL HOUSE & PUMP HOUSE SITE PLAN
5	WELL HOUSE SCHEMATIC & GENERAL DETAILS
6	RESERVOIR LAYOUT, DETAILS
7	RESERVOIR DETAILS
8	WELL HOUSE & BOOSTER PUMPS



NOTES:
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH
DOWD STANDARDS FOR PUBLIC WORKS CONSTRUCTION (SPWC)

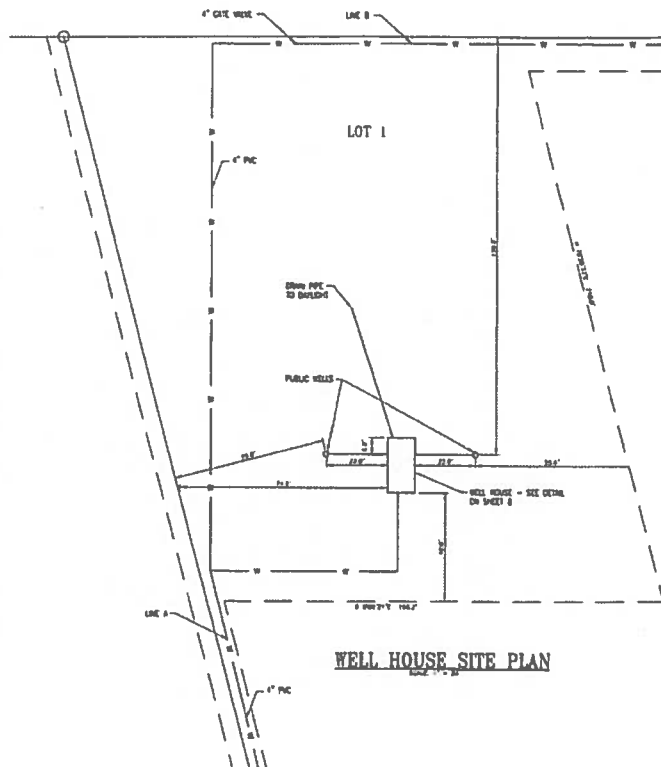
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BY	
CHECKED BY	
DATE	



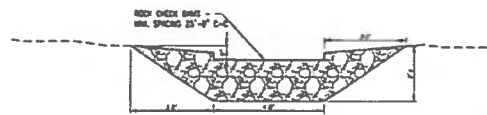
PROGRESSIVE
ENGINEERING GROUP, INC.
1000 S. 1000 E.
GRANGEVILLE, ID 83530
PHONE: 208-685-1234
FAX: 208-685-1235

WATER SYSTEM SITE PLAN
TAMMANY VIEW PROPERTIES
PHASE III
TAMMANY VIEW LLC
GRANGEVILLE, ID 83530

DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE
PROJECT NO.	01-000
SHEET	1 OF 8



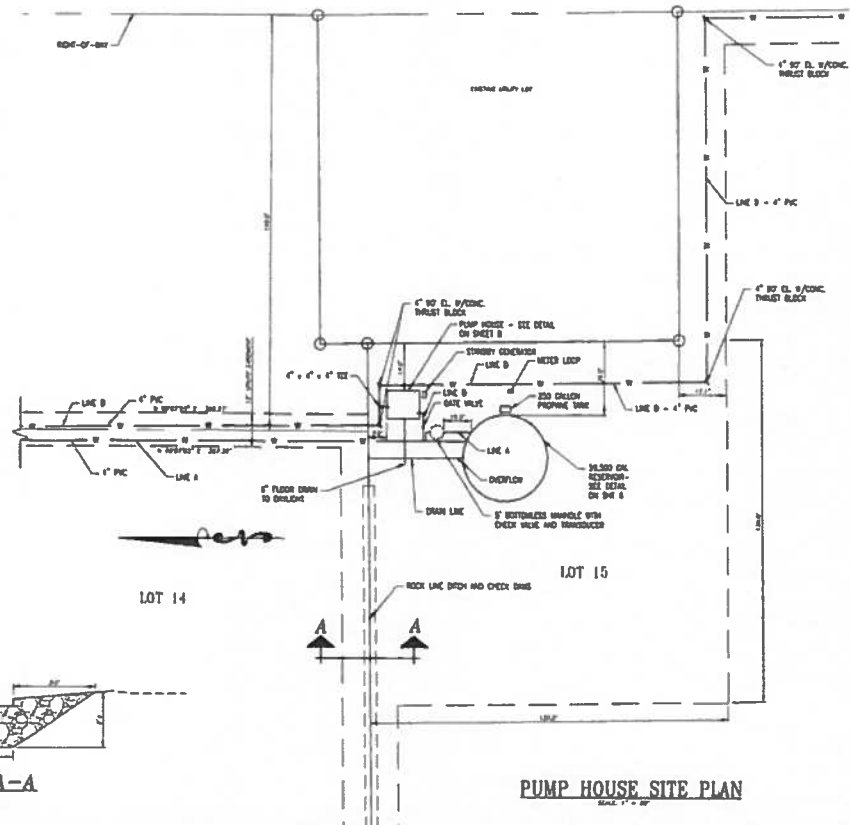
WELL HOUSE SITE PLAN
SCALE 1\"/>



SECTION A-A
NOT TO SCALE

ELECTRICAL AND CONTROL SYSTEM NOTES

1. ALL WIRING, CONDUIT, ELECTRICAL BOXES AND CONNECTIONS SHALL MEET THE NATIONAL ELECTRICAL CODE FOR WIRING, CONDITIONS AND LOCATIONS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SERVICE DROP FOR AND VOLT.
3. POWER POUCH FROM EXISTING POWER POLE, APPROXIMATELY 120 FEET EAST OF PUMP HOUSE.
4. INSTALL 4-1/2\"/>



PUMP HOUSE SITE PLAN
SCALE 1\"/>

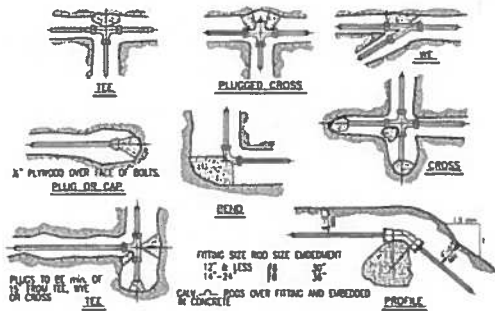
NO.	DATE	REVISION
1		
2		
3		
4		
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8		
9		
10		



PROGRESSIVE ENGINEERING GROUP, INC.
900 N. 10th St., Suite 200
Grangeville, ID 83530
Phone: (208) 283-1234
Fax: (208) 283-5678
www.progressiveeng.com

WELL HOUSE & PUMP HOUSE SITE PLAN
TAMMANY VIEW PROPERTIES
PHASE III
TAMMANY VIEW LLC
GRANGEVILLE, ID 83530

DESIGNED BY:	DAVID L. WILLIAMS
CHECKED BY:	DAVID L. WILLIAMS
DATE:	11/04/07
SCALE:	AS SHOWN
PROJECT NO.:	07-000
SHEET NO.:	4 OF 8

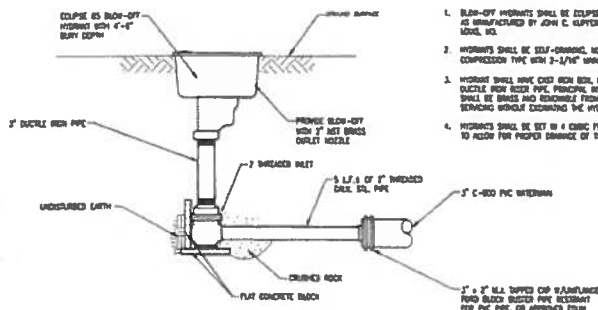


FITTING SIZE	BEARING AREA OF THRUST BLOCKS IN SQ. FT.						VOLUME OF THRUST BLOCKS IN CU. YD.					
	1 1/2" DIA. AS CROWN	2" DIA.	3" DIA.	4" DIA.	12 1/2" DIA.	18 1/4" DIA.	4" DIA. BLOCKS	12" DIA. BLOCKS	18" DIA. BLOCKS	12" DIA. BLOCKS	18" DIA. BLOCKS	
4	1.0	2.0	1.6	1.0	1.0	1.0	1/3 CU. YD.	1/4 CU. YD.	1/4 CU. YD.	1/4 CU. YD.	1/4 CU. YD.	
6	2.5	3.0	2.5	2.0	1.0	1.0	1/2 CU. YD.	1/3 CU. YD.	1/3 CU. YD.	1/4 CU. YD.	1/4 CU. YD.	
8	4.0	6.0	5.0	3.0	2.0	1.0	3/4 CU. YD.	1/2 CU. YD.	1/2 CU. YD.	1/3 CU. YD.	1/3 CU. YD.	
10	6.0	9.0	8.0	5.0	3.0	2.0	1 CU. YD.	3/4 CU. YD.	1/2 CU. YD.	1/2 CU. YD.	1/2 CU. YD.	
12	9.0	12.0	12.0	8.0	4.0	2.0	1 1/2 CU. YD.	1 CU. YD.	1 CU. YD.	1 CU. YD.	1 CU. YD.	
14	12.0	16.0	16.0	10.0	6.0	4.0	2 1/4 CU. YD.	1 1/2 CU. YD.	1 1/2 CU. YD.	1 1/2 CU. YD.	1 1/2 CU. YD.	
16	16.0	22.0	21.0	13.0	8.0	4.0	3 CU. YD.	2 1/2 CU. YD.	2 CU. YD.	2 CU. YD.	2 CU. YD.	

- NOTES:**
- BEARING AREAS BASED ON TEST PRESSURE OF 150 P.S.I. & A SOIL BEARING STRESS OF 2,000 LBS. PER SQ. FT. TO AREAS FOR DIFFERENT TEST PRESSURE & SOIL BEARING STRESSES, FOLLOWING EQUATION:
BEARING AREA = (TEST PRESSURE / 150) (2000 / SOIL BEARING STRESS) (TABLE VALUE)
 - CONCRETE THRUST BLOCKING TO BE PLACED AGAINST UNDISTURBED EARTH
 - ALL JOINTS & FITTINGS SHALL BE PROTECTED FROM DIRECT CONTACT WITH CONCRETE BY COVERING WITH A THIN SHEET OF POLYETHYLENE OR EQUAL.
 - UNLESS NOTED OTHERWISE, REQUIRED BEARING AREAS AT FITTINGS SHALL BE INDICATED ABOVE.
 - BEARING AREAS & SPECIAL BLOCKING DETAILS SHOWN ON PLANS TAKE PRECEDENCE OVER BEARING AREAS & BLOCKING DETAILS SHOWN ON THIS STANDARD DETAIL.
 - CONCRETE COMPRESSIVE STRENGTH SHALL BE 2500 P.S.I. MIN.
 - CONCRETE CURE/SET TIME FOR TYPE II CEMENT CONCRETE SHALL BE 40 HOURS. CURE/SET TIME SHALL BE 100 HOURS FOR ALL OTHER CONCRETE.
 - THRUST BLOCKS FOR VERTICAL UP-BENDS SHALL BE THE SAME AS FOR HORIZONTAL BENDS.

THRUST BLOCK DETAIL

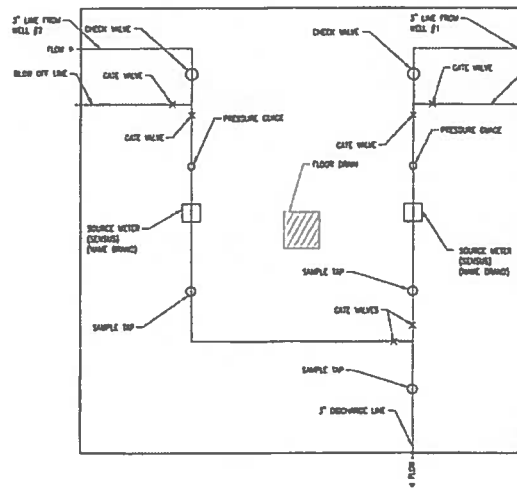
NOT TO SCALE



2" BLOW OFF DETAIL

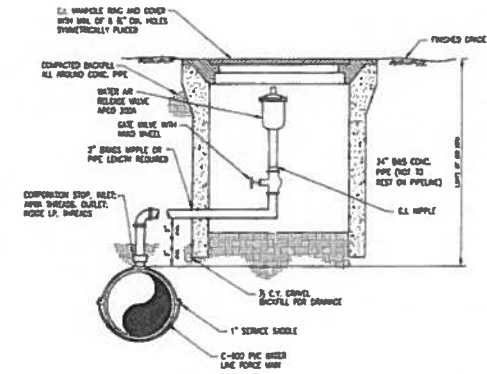
NOT TO SCALE

- BLOW-OFF HYDRANT SHALL BE EQUIPPED NO. 65 BOX HYDRANT AS MANUFACTURED BY JOHN C. HOFFMANN POLYMER COMPANY, ST. LOUIS, MO.
- HYDRANT SHALL BE SELF-DRAINING, NON-FREEZING, COMPRESSED TYPE WITH 2-1/2" WASH VALVE OPENING.
- HYDRANT SHALL HAVE CAST IRON BOX, LOCKING LID, AND 3" DUCTILE IRON BELL PIPE. PRINCIPAL INSIDE OPENING PARTS SHALL BE BRASS AND REMOVABLE FROM THE HYDRANT FOR SERVICING WITHOUT EXCAVATING THE HYDRANT.
- HYDRANTS SHALL BE SET IN A CURB FEET OF CRUSHED STONE TO ALLOW FOR PROPER DRAINAGE OF THE HYDRANT.



WELL HOUSE MECHANICAL SCHEMATIC PLAN

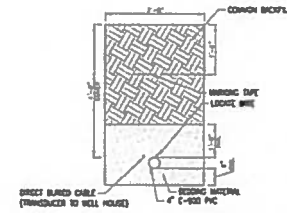
NOT TO SCALE



- NOTES:**
- COMPRESSION STOP, GATE VALVE, AND CONNECTING PIPING SHALL BE THE SAME DIAMETER AS THE AIR VALVE INLET.
 - USE APPROVED JOINTING COMPOUND ON ALL THREADED CONNECTIONS.
 - ROTATE AIR VALVE TO PROVIDE MAXIMUM CLEARANCE FOR ACCESS TO GATE VALVE.
 - AIR VALVE DETAILS SHOWN ON THE PLANS TAKE PRECEDENCE OVER THIS STANDARD DETAIL.

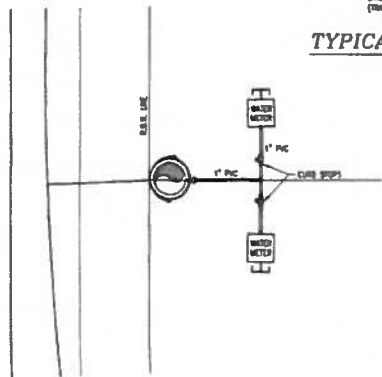
WATER AIR RELEASE VALVE

NOT TO SCALE



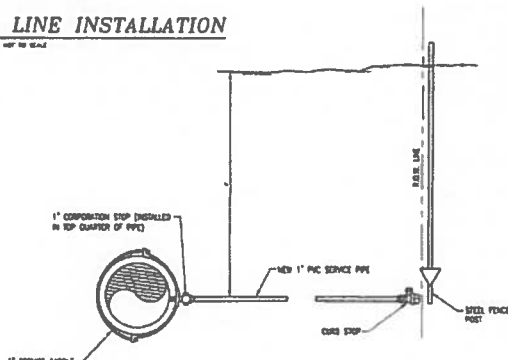
TYPICAL WATER LINE INSTALLATION

NOT TO SCALE



DOUBLE WATER SERVICE CONNECTION

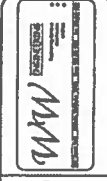
NOT TO SCALE



WATER SERVICE CONNECTION

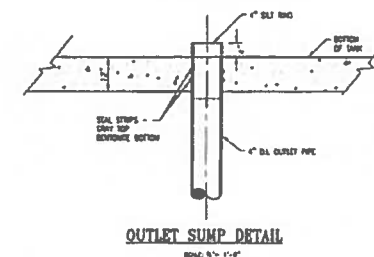
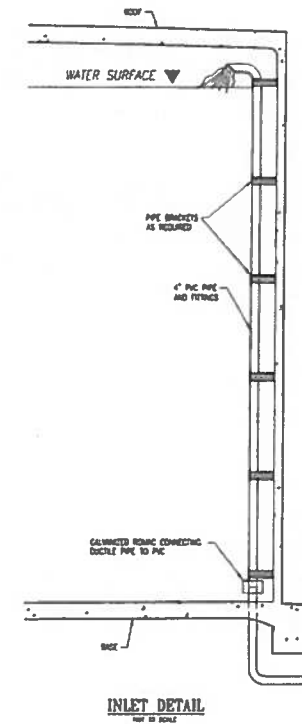
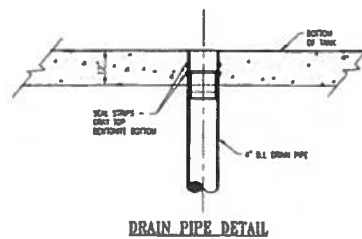
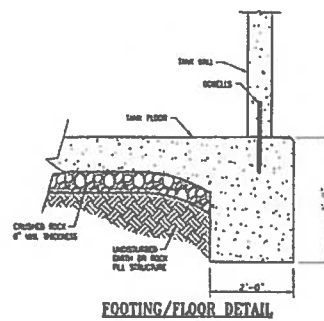
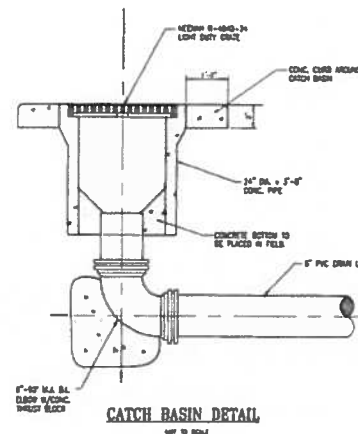
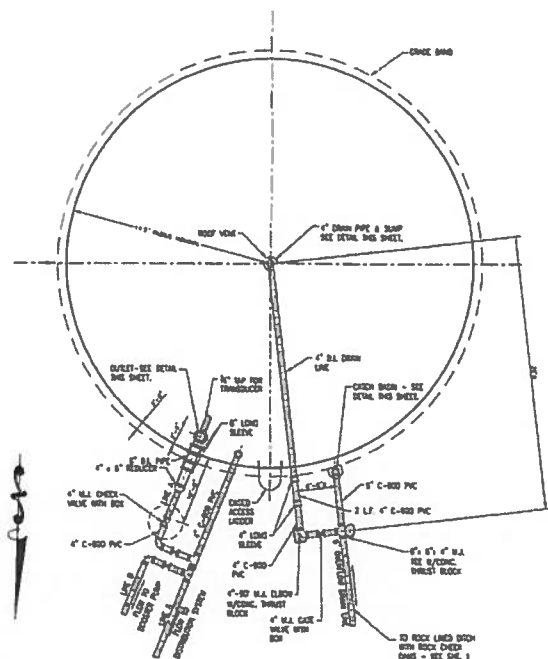
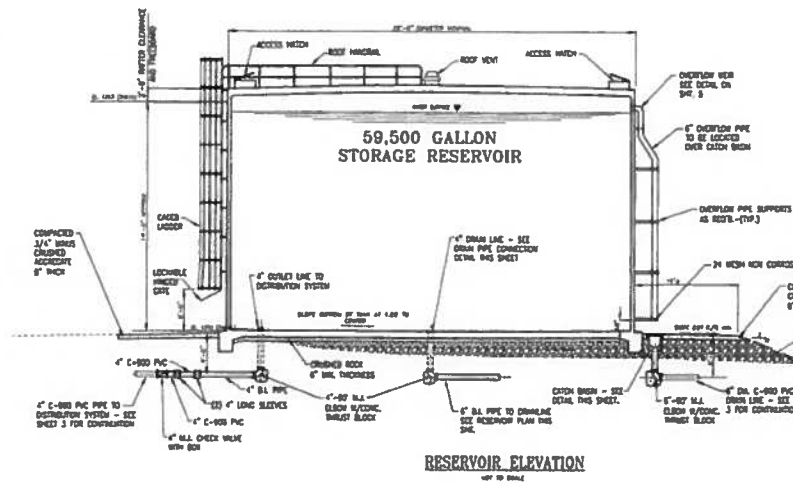
NOT TO SCALE

NO.	DATE	REVISION
1	10/1/00	ISSUED FOR BIDDING
2	10/1/00	ISSUED FOR BIDDING
3	10/1/00	ISSUED FOR BIDDING
4	10/1/00	ISSUED FOR BIDDING
5	10/1/00	ISSUED FOR BIDDING
6	10/1/00	ISSUED FOR BIDDING
7	10/1/00	ISSUED FOR BIDDING
8	10/1/00	ISSUED FOR BIDDING
9	10/1/00	ISSUED FOR BIDDING
10	10/1/00	ISSUED FOR BIDDING



WELL HOUSE SCHEMATIC & GENERAL DETAILS
TAMMANY VIEW PROPERTIES
PHASE III
TAMMANY VIEW LLC
GRANGEVILLE, ID 83530

DESIGNED BY	DESIGNED IN
WJ	WJ
CHECKED BY	CHECKED IN
WJ	WJ
DATE	DATE
10/1/00	10/1/00
PROJECT NO.	PROJECT NO.
07-018	07-018
SHEET	OF
3	8



1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH
DWD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CSPEC

[illegible]

NAME _____
ADDRESS _____
CITY _____
STATE _____
ZIP _____
MVA

**PROGRESSIVE
ENGINEERING GROUP, INC.**
10000 1st Avenue • Chardon, OH 44024
616
339-1100

RESERVOIR LAYOUT & DETAILS
TAMMANY VIEW PROPERTIES
PHASE III
TAMMANY VIEW LLC
GRANCEVILLE, ID 83530

DATE OF LOCK	DATE OF WV
12/12/12	07
12/12/12	12/12/12
12/12/12	12/12/12
12/12/12	07-012
12/12/12	07-012

10.15



Well Penetration



DECLARATION
I hereby declare that the above is a true and correct copy of the original document.



THE NEW YORK PUBLIC LIBRARY
ASTOR LENOX TILDEN FOUNDATION



Page 10 of 10



THE UNIVERSITY OF CHICAGO



07-98-9236(1)
IN RE



WARRANT
NOT FOR RECORD



1997-1998



Roof



1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH
SNO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (SNO)

RESERVOIR DETAILS
TAMMANY VIEW PROPERTIES
PHASE III
TAMMANY VIEW LLC
GRANCEVILLE, ID 83530

SEARCHED	INDEXED
SERIALIZED	FILED
MAR 21 1967	
FBI - NEW YORK	



SEARCHED	INDEXED
SERIALIZED	FILED
MAR 1967	
FBI - NEW YORK	
RECEIVED	
MAR 19 1967	
FBI - NEW YORK	

Attachment E
Well Driller's Reports

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

RECEIVED

DEC 13 2007

IDWR/North

Office Use Only			
Well ID No. _____			
Inspected by _____			
Twp _____	Rge _____	Sec _____	
1/4 _____		1/4 _____	
Lat: _____	Long: _____		

1. WELL TAG NO. D D00 51998

DRILLING PERMIT NO. 846771

Water Right or Injection Well No. 85-15690

2. OWNER

Name TAMMANY VIEW, LLC

Address PO BOX 358

City GRANGEVILLE

State ID

Zip 83530

3. LOCATION OF WELL by legal description:

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

Twp. 34 North ☒ or South ☐
Rge. 04 East ☐ or West ☒
Sec. 7 1/4 SE 1/4 SE 1/4

Gov't Lot -- County NEZPERCE

Lat: : : Long: : :

Address of Well Site TAMMANY VIEW SUBDIVISION PHASE III #1

City LEWISTON

Distance to Road or Landmark

Lt. 1 Blk. -- Sub. Name TAMMANY VIEW

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 Material	From	To	Weight / Volume	Seal Placement Method
BENTONITE	0	-96	400	400
				TOP POUR

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) -98

Was drive shoe seal tested? ☒ Y ☐ N How? AIR

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+2	-98	.250	Steel	☒	☐	☒	☐
6"	-30	900	.188	Steel	☐	☒	☐	☐

Length of Headpipe N/A Length of Tailpipe N/A

Packer ☐ Y ☒ N Type

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method SAW

Screen Type & Method of Installation N/A

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
890	930	1/8X4	42	6"	STEEL	☐	☒

10. FILTER PACK

Filter Material	From	To	Weight/Volume	Placement Method
N/A				

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

800 ft. below ground Artesian pressure -- lb.

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

TOP OF CASING

12. WELL TESTS:

Yield gal./min.	Drawdown	Pumping Level	Time
60			1.5

Water Temp. 55

Bottom hole temp. _____

Water Quality test or comments: GOOD

Depth first Water Encounter 860

13. LITHOLOGIC LOG: (Describe repairs or abandonment) Water

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
12	0	18	CLAY		X
12	18	56	BLACK BASALT		X
12	56	96	HARD BLACK BASALT		X
12	96	130	SOFT BROWN GREEN BASALT		X
12	130	145	HARD BLACK BASALT		X
8	145	185	HARD GRAY BASALT		X
8	185	198	SOFT RED BASALT		X
8	198	205	SOFT BLACK BASALT		X
8	205	250	SOFT RED BROWN BASALT		X
8	250	280	SOFT RED BASALT		X
8	280	305	MEDIUM BLACK BASALT		X
8	305	344	SOFT BROWN RED BASALT		X
8	344	390	SOFTER BROWN RED BASALT		X
8	390	415	MEDIUM RED BASALT		X
8	415	440	MEDIUM BLACK BASALT		X
8	440	505	SOFT BROWN BASALT		X
8	505	529	HARD GRAY BASALT		X
8	529	540	SOFT RED BASALT (AIR LOSS)		X
8	540	605	SOFT RED BASALT - YELLOW SHALE MIX		X
8	605	620	SOFT RED & BLACK BASALT		X
8	620	680	HARD BLACK BASALT		X
8	680	690	MEDIUM BLACK BASALT		X
8	690	715	HARD BLACK BASALT		X
8	715	746	SOFT RED BASALT		X
8	746	783	SOFT RED BASALT		X
8	783	789	MEDIUM RED BASALT		X
8	789	860	HARD BLACK BASALT		X
8	860	930	SOFT BLACK & GREEN GASALT	X	

Completed Depth 930 (Measurable)

Date: Started 5-16-07

Completed 5/21/07

14. DRILLER'S CERTIFICATION

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

Company Name TWO U DRILLING, LLC

Firm No. 125

Principal Driller TU

Date 12-11-07

and

Driller or Operator II BU

Date 12-11-07

Operator I

Date

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

FORWARD COPY TO WATER RESOURCES

Form provided by Forms On-A-Disk (214) 340-8429 - www.FormsOnADisk.com

34N 4W 7

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

RECEIVED

DEC 13 2007

IDWR/North

Office Use Only			
Well ID No. _____			
Inspected by _____			
Twp _____	Rge _____	Sec _____	
1/4 _____		1/4 _____	
Lat: _____	Long: _____		

1. WELL TAG NO. D D00 51999

DRILLING PERMIT NO. 846772

Water Right or Injection Well No. 85-15690

2. OWNER

Name TAMMANY VIEW, LLC

Address PO BOX 358

City GRANGEVILLE

State ID

Zip 83530

3. LOCATION OF WELL by legal description:

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

Twp. 34 North ☒ or South ☐

Rge. 04 East ☐ or West ☒

Sec. 7 1/4 SE 1/4 SE 1/4

Gov't Lot -- 10 acres 40 acres 160 acres

County NEZPERCE

Address of Well Site TAMMANY VIEW SUBDIVISION PHASE III #2

City LEWISTON

Sub. Name TAMMANY VIEW

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 Material	From	To	Weight / Volume	Seal Placement Method
BENTONITE	0	-96	400	400
				TOP POUR

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) -98

Was drive shoe seal tested? ☒ Y ☐ N How? AIR

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+2	-98	.250	Steel	☒	☐	☒	☐
6"	-30	900	.188	Steel	☐	☒	☐	☐

Length of Headpipe N/A Length of Tailpipe N/A

Packer ☐ Y ☒ N Type

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method SAW

Screen Type & Method of Installation N/A

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
890	930	1/8X4	42	6"	STEEL	☐	☒

10. FILTER PACK

Filter Material	From	To	Weight/Volume	Placement Method
N/A				

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

800 ft. below ground Artesian pressure -- lb.

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

TOP OF CASING

12. WELL TESTS:

☐ Pump ☐ Bailor ☒ Air ☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
60			1.5

Water Temp. 55 Bottom hole temp. _____

Water Quality test or comments: GOOD

Depth first Water Encounter 860

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
12	0	18	CLAY		X
12	18	56	BLACK BASALT		X
12	56	96	HARD BLACK BASALT		X
12	96	130	SOFT BROWN GREEN BASALT		X
12	130	145	HARD BLACK BASALT		X
8	145	185	HARD GRAY BASALT		X
8	185	198	SOFT RED BASALT		X
8	198	205	SOFT BLACK BASALT		X
8	205	250	SOFT RED BROWN BASALT		X
8	250	280	SOFT RED BASALT		X
8	280	305	MEDIUM BLACK BASALT		X
8	305	344	SOFT BROWN RED BASALT		X
8	344	390	SOFTER BROWN RED BASALT		X
8	390	415	MEDIUM RED BASALT		X
8	415	440	MEDIUM BLACK BASALT		X
8	440	505	SOFT BROWN BASALT		X
8	505	529	HARD GRAY BASALT		X
8	529	540	SOFT RED BASALT (AIR LOSS)		X
8	540	605	SOFT RED BASALT - YELLOW SHALE MIX		X
8	605	620	SOFT RED & BLACK BASALT		X
8	620	680	HARD BLACK BASALT		X
8	680	690	MEDIUM BLACK BASALT		X
8	690	715	HARD BLACK BASALT		X
8	715	746	SOFT RED BASALT		X
8	746	783	SOFT RED BASALT		X
8	783	789	MEDIUM RED BASALT		X
8	789	860	HARD BLACK BASALT		X
8	860	930	SOFT BLACK & GREEN GASALT	X	

Completed Depth 930 (Measurable)
Date: Started 5-16-07 Completed 5/21/07

14. DRILLER'S CERTIFICATION

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

Company Name TWO U DRILLING, LLC

Firm No. 125

Principal Driller TU Date 12-11-07

Driller or Operator II BU Date 12-11-07

Operator I _____ Date _____

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

34N 4W 7

FORWARD COPY TO WATER RESOURCES

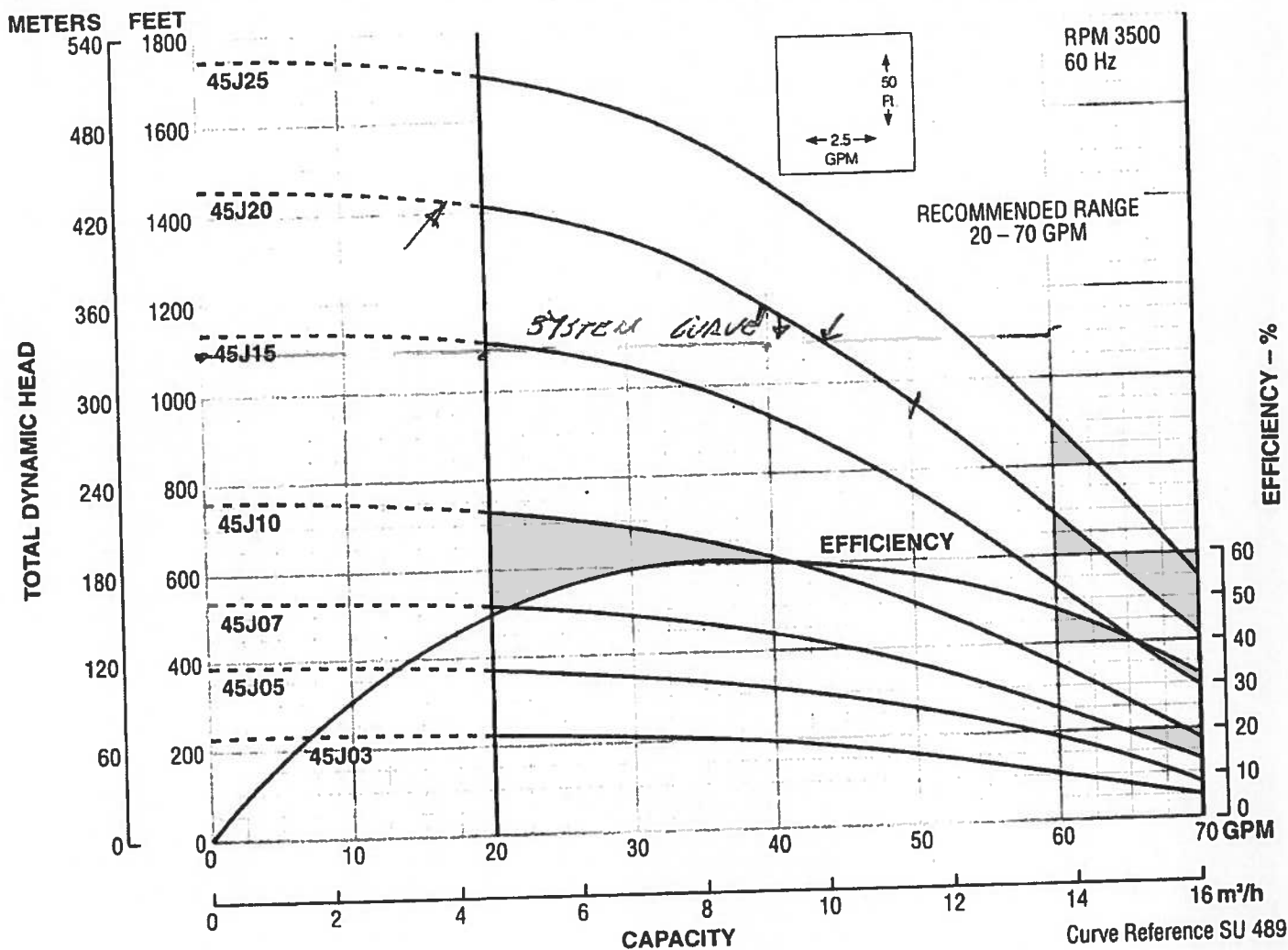
Form provided by Forms On-A-Disk (214) 340-9429 - www.FormsOnADisk.com

Attachment F
Pump Performance Curves

Model 45J

WELL PUMP 45J20

GOULDS PUMPS, INC.

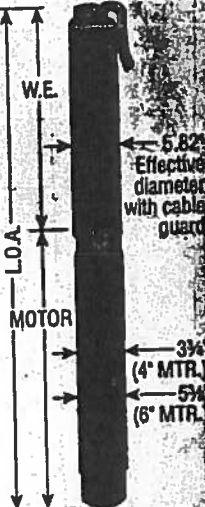


DIMENSIONS AND WEIGHTS (All dimensions are in inches and weights in lbs. Do not use for construction purposes.)

HP Stages	W.E. Order No.	Motor Order No.	PH	Motor Volts	Motor Length	W.E. Length	L.O.A.	Wt. (lbs.)
3	45J03	S09940	1	230	23.5	10.3	33.8	57
		S09978		200				
		S09970	3	230	20.6	10.3	30.9	57
		S09975		460				
		S09979		575				
5	45J05	S10940	1	230	29.5	12.6	42.1	72
		S10978		200				
		S10970	3	230	23.5	12.6	36.1	72
		S10975		460				
		S10979		575				
7.5	45J07	S11970	1	230	28.0	16.3	44.3	151
		S11978		200				
		S11971	3	230				
		S11972		460	24.2	16.3	40.5	126
		S11979		575				

HP Stages	W.E. Order No.	Motor Order No.	PH	Motor Volts	Motor Length	W.E. Length	L.O.A.	Wt. (lbs.)
10	45J10	S12970	1	230	30.6	21.4	52.0	175
		S12978		200				
		S12971	3	230	25.5	21.4	46.9	145
		S12972		460				
		S12979		575				
15	45J15	S13970	1	230	33.1	27.3	60.4	195
		S13978		200				
		S13971	3	230	28.0	27.3	55.3	169
		S13972		460				
		S13979		575				
20	45J20	S14978		200				
		S14971	3	230	30.6	34.8	65.4	205
		S14972		460				
		S14979		575				
		S15978		200				
25	45J25	S15971	3	230	33.2	39.4	72.6	233
		S15972		460				
		S15979		575				

DISCHARGE 2" NPT



*Non-stock motors have a six (6) week lead time. Water end and motor must be ordered separately and are packaged separately.

P&R Pump Service
(928) 983-7867

SELECTION CHART

Horsepower Range 3 – 15, Recommended Range 20 – 70 GPM, 60 Hz, 3500 RPM

Pump Model	HP	PSI	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																		
			50	75	100	125	150	175	200	250	300	350	400	450	500	600	700	800	900	1000	1100
45J03 3 Stages	3	0	70	67	62	57	51	44	35												
		20	63	57	52	45	36	20													
		30	58	52	46	39	20														
		40	52	48	38	25															
		50	47	42	25																
		60	42	25																	
45J05 5 Stages	5	0		70	69	68	64	61	58	51	42	29									
		20	70	67	64	61	59	55	52	43	29										
		30	68	64	62	59	56	52	48	38											
		40	65	62	59	56	52	48	44	32											
		50	62	59	56	52	48	44	39												
		60	59	56	53	48	44	39	32												
45J07 7 Stages	7.5	0				70	69	67	65	60	56	51	45	37	25						
		20		70	69	67	65	63	61	56	51	45	38	27							
		30	70	69	67	65	63	61	59	54	49	42	34								
		40	69	67	65	63	61	60	57	51	46	39	27								
		50	67	65	63	61	59	57	54	49	43	35									
		60	66	63	61	59	57	54	52	46	39	32									
45J10 10 Stages	10	0						70	69	67	64	61	58	54	51	41	28				
		20					70	69	68	67	64	61	58	55	51	47	36				
		30				70	69	68	67	66	63	60	57	53	49	44	33				
		40			70	69	68	67	66	64	61	58	55	51	47	42	29				
		50	70	69	68	67	66	64	63	60	57	53	49	45	40	25					
		60	70	68	67	66	64	63	62	58	55	51	47	42	37						
45J15 15 Stages	15	0								70	69	67	65	63	61	58	53	48	42	34	20
		20								70	69	67	65	63	62	60	56	51	45	38	29
		30								70	69	67	65	63	61	59	55	50	44	36	26
		40							70	69	67	66	64	62	60	58	53	47	42	34	22
		50						70	69	68	67	65	63	61	59	57	52	47	41	32	
		60					70	69	68	68	66	64	62	60	58	56	51	46	39	30	

Horsepower Range 20 – 25, Recommended Range 20 – 70 GPM, 60 Hz, 3500 RPM

Pump Model	HP	PSI	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																
			300	350	400	450	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700
45J20 20 Stages	20	0			70	69	67	64	60	58	54	48	43	38	32	24			
		20			69	67	66	62	58	54	50	46	41	35	28				
		30		70	68	66	65	61	57	53	49	45	39	34	26				
		40		69	67	66	64	60	57	53	48	44	38	32	23				
		50	70	68	67	65	63	60	56	52	47	42	37	30					
		60	69	67	66	64	62	59	55	51	46	41	35	28					
45J25 25 Stages	25	0						69	66	63	60	57	54	50	46	42	37	31	20
		20					70	67	65	62	59	55	52	48	44	39	34	27	
		30					70	67	64	61	58	55	51	47	43	38	33	24	
		40				70	69	66	64	60	57	54	50	47	42	37	31	21	
		50				70	68	66	63	60	57	53	50	46	41	36	30		
		60			70	69	68	65	62	59	56	52	49	45	40	35	27		

P&R Pump Service
(208) 983-7867

W W Engineering
3435 Clemans Road
Clarkston, Washington 99403

Warren Watts
Consulting Engineer

Phone: (509) 243-4003
Fax: (509) 243-4004

RECEIVED

October 6, 2007

NOV 20 2007

ID DEQ - LRO

Thomas J. Moore, P.E.
Regional Engineering Manager
State of Idaho
Department of Environmental Quality
1118 F Street
Lewiston, ID 83501

RE: Records #2220.03 Tammany View Phase III
Water System
SUBJECT: Well Capacity Testing

Dear Mr. Moore:

On July 12, 2007 I supervised the pump testing for Well No. 1 and on August 14, 2007 I also supervised the pump testing for Well No. 2.

Each pump test was performed for 6 continuous hours as shown on enclosed reports. Six hours was selected over 24 hours when it became obvious that no drawn down would occur with pumps operating at maximum capacity at a continuous flow of 53+ gpm which is over 150% of the minimum average daily pumping requirement of 31.6 gpm.

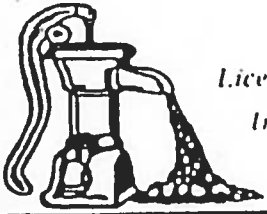
I certify that attached summary reports are accurate measurements of pumping flows and supportive data.

These tests were performed in accordance to IDAPA 58.01.08-06.

Respectfully,


Warren S. Watts, P.E.





Licensed & Bonded
In the State of
Idaho

P & R PUMP

P & R PUMP SERVICE
P.O. BOX 55 (hwy 95 N)
FENN, ID 83531-0055
208-983-7867

WE NOT ONLY FEATURE GOULDS PUMPS WE'RE YOUR # ONE GOULDS PUMP DEALER IN THE AREA

ATTENTION:

WARREN WATTS

WW Engineering/Progressive Engineering Group, Inc.
1208 Idaho Street
Lewiston, Idaho 83501
208-746-5406

RECEIVED

NOV 13 2007

DECLARO

2220.05
3132.1

RE: WELL #2 AT TAMMANY VIEW SUB-DIVISION PHASE III

- a.) The pump, pipe, wire, pitless and everything that went into the well was cleaned and disinfected with a 500 ppm chlorine solution
- b.) The well was tested with an 1/4" air line for well level measurements
- c.) The well was tested for six (6) hours. Well test is attached.
- d.) The Pathologists' reports are attached

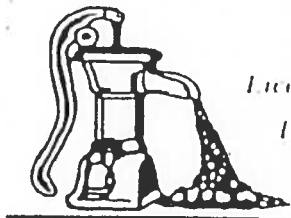
P & R PUMP SERVICE
P.O. BOX 55
FENN, IDAHO 83531-0055
(208)983-7867

August 14, 2007

TAMMANY VIEW SUB-DIVISION
PHASE III

WELL FLOW TEST
WELL # 2

TIME	PUMPING LEVEL	AMPERAGE	FLOW METER READING	GALS PUMPED	GPM
9:45			19733.35		
9:50	792'	27	20000.00	266.65	53.33
9:55	792'	27	20266.65	266.65	53.33
10:00	792'	27	20533.30	266.65	53.33
10:05	792'	27	20799.95	266.65	53.33
10:10	792"	27	21066.60	266.65	53.33
10:15	792'	27	21333.25	266.65	53.33
10:20	792'	27	21599.90	266.65	53.33
10:35	792'	27	22399.85	799.95	53.33
10:50	792'	27	23199.80	799.95	53.33
11:05	792'	27	23999.75	799.95	53.33
11:20	792'	27	24799.70	799.95	53.33
11:35	792'	27	25599.65	799.95	53.33
11:50	792'	27	26399.60	799.95	53.33
12:05	792'	27	27199.55	799.95	53.33
12:20	792'	27	27999.50	799.95	53.33
12:35	792'	27	28799.45	799.95	53.33
12:50	792'	27	29599.40	799.95	53.33
1:05	792'	27	30399.35	799.95	53.33
1:20	792'	27	31199.30	799.95	53.33
1:35	792'	27	31999.25	799.95	53.33
1:50	792'	27	32799.20	799.95	53.33
2:05	792'	27	33599.15	799.95	53.33
2:20	792'	27	34399.10	799.95	53.33
2:35	792'	27	35199.05	799.95	53.33
2:50	792'	27	35999.05	799.95	53.33
3:05	792'	27	36798.95	799.95	53.33
3:20	792'	27	37598.90	799.95	53.33
3:35	792'	27	38398.85	799.95	53.33
3:50	792'	27	39198.80	799.95	53.33
4:05	792'	27	39998.75	799.95	53.33
4:15	STATIC WATER LEVEL STAYED SAME				
4:25	STATIC WATER LEVEL STAYED SAME				
4:35	STATIC WATER LEVEL STAYED SAME				
4:35	STABILIZED AT 792'				



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Idaho

P & R PUMP

P & R PUMP SERVICE
P.O. BOX 55 (hwy 95 N)
FENN, ID 83531-0055
208-983-7867

(WE NOT ONLY FEATURE [GOULDS PUMPS WERE YOUR # ONE] [GOULDS PUMP DEALER IN THE AREA]

Herb Blewett
35627 Pheasant Loop Rd
Lewiston, Idaho 83501
208-743-0318

"TAMMANY VIEW SUB-DIVISION"

PHASE III

WELL # 2

September 4, 2007

TO WHOM IT MAY CONCERN:

When Well # 2 on Phase III was tested it indicated no measurable draw down. The static water level was 792feet.

The testing was done with a 20HP 460V Pump, which pumped 53.33 gals per minute for 6 hours +.

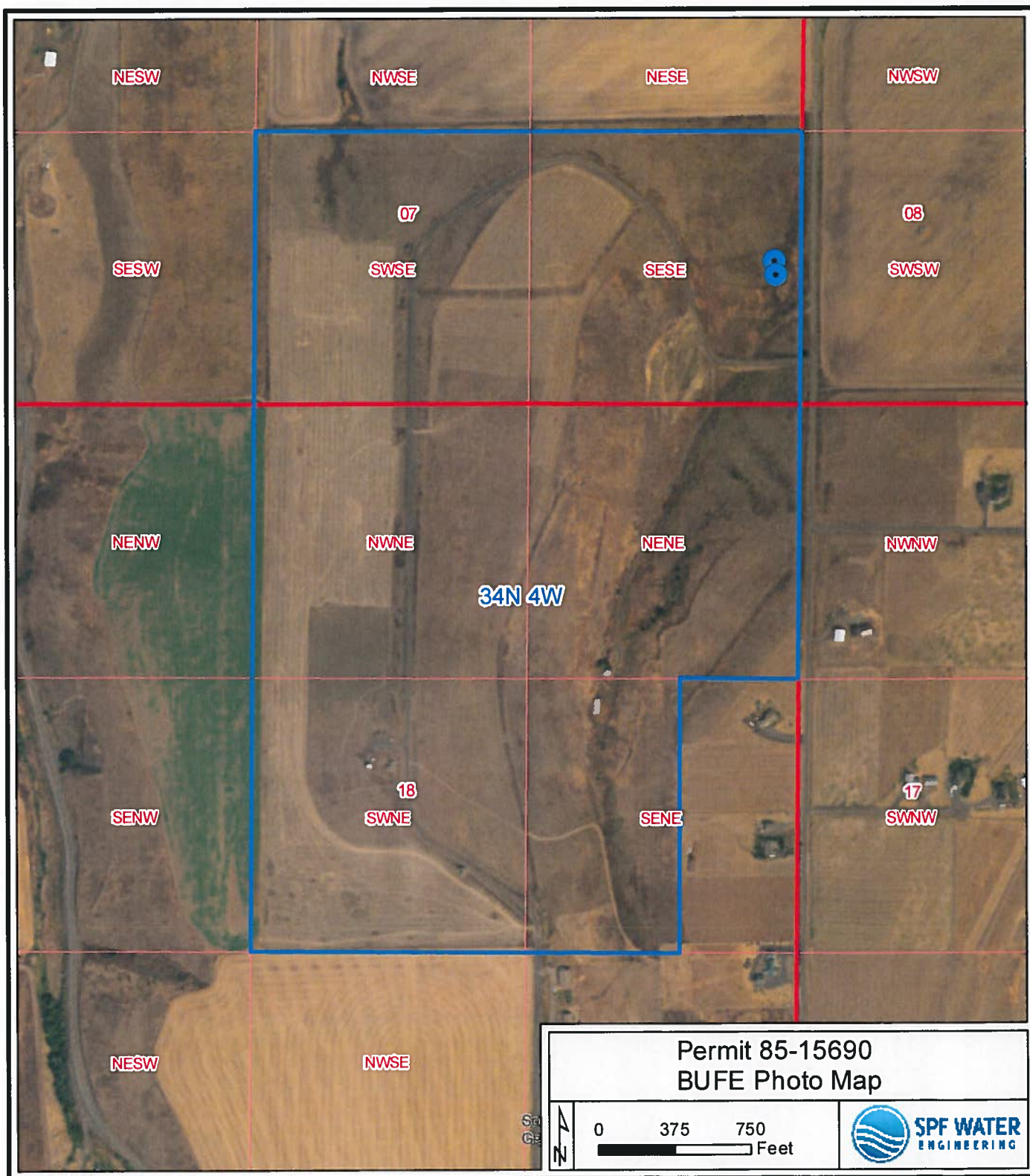
I will certify that the well, at this time is producing over 50 gals per minute.

Sincerely,

E. PAUL EATON

September 4, 2007

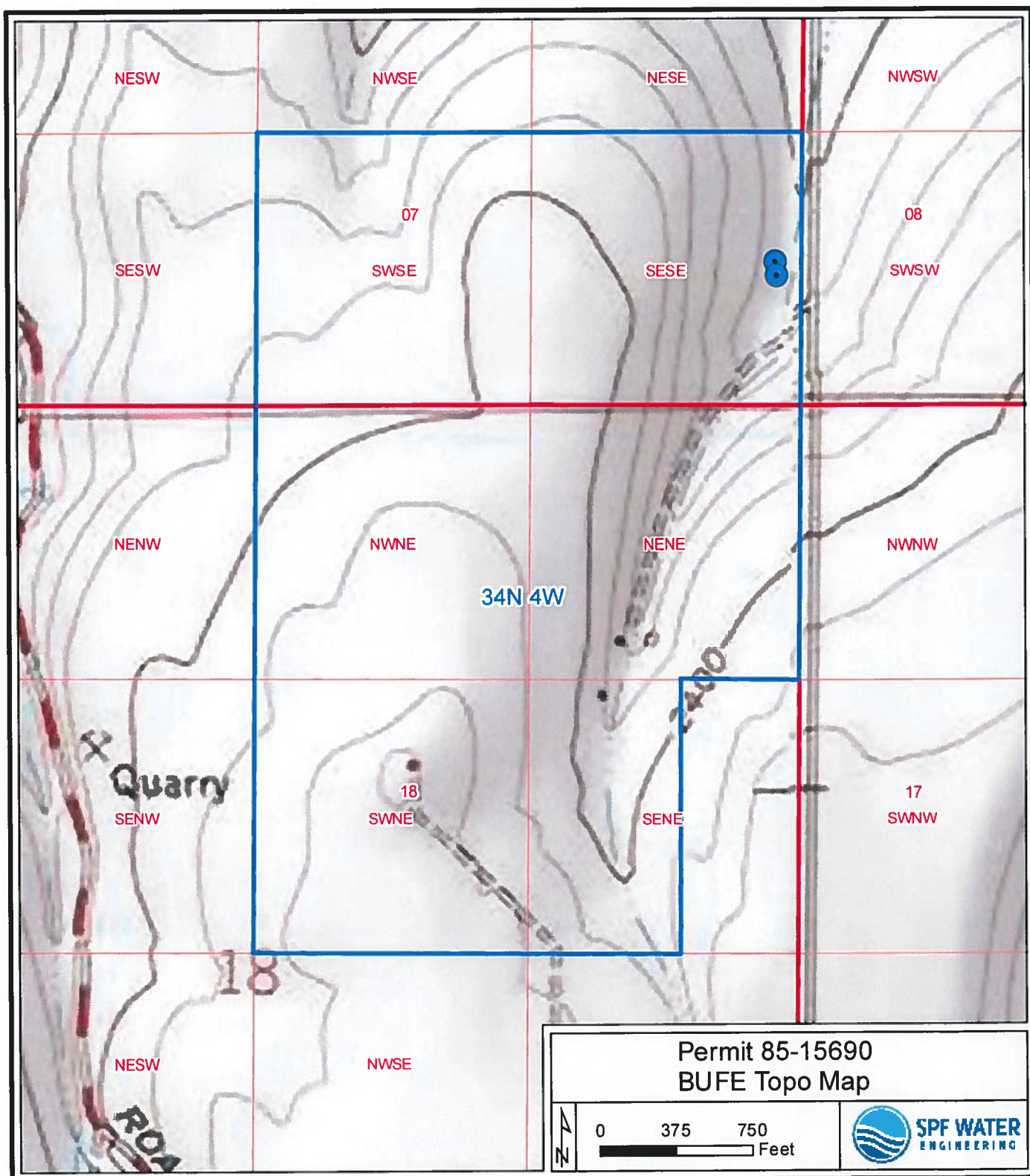
Attachment G
USGS Topographic Map and Aerial Photography of Service
Area and Well Locations



Permit 85-15690
BUFE Photo Map

0 375 750
Feet





Attachment H
Beneficial Field Examination Photos



North Well casing and cap. Tag No. D0051998.



South Well casing and cap. Tag No. D0051999.



Well house



Well house viewed from Powell Road. Scar from pipe trench barely visible extending up hill to road cut.



Inside North Well Casing. Blue tubing is air line for water level measurement.



South Well discharge piping. Check valve on left, then flush-to-waste, pressure gage, and flow meter.



South well discharge piping (4-inch schedule 80 PVC). Check valve and flush to waste (out of picture in foreground), pressure gage, flow meter, sample tap, and gate valve for isolation.



North Well discharge piping (4" PVC). Check valve (out of view in foreground), flush-to-waste pipe and ball valve, pressure gage, flow meter, sample tap, and gate valve for isolation.



North and South Well piping connect between gate valves and discharge downward through floor to system



South Well pump panel. North Well panel is identical.



Calibration check of South Well flow meter. Installed Neptune meter on left, portable ultrasonic flow meter on right.



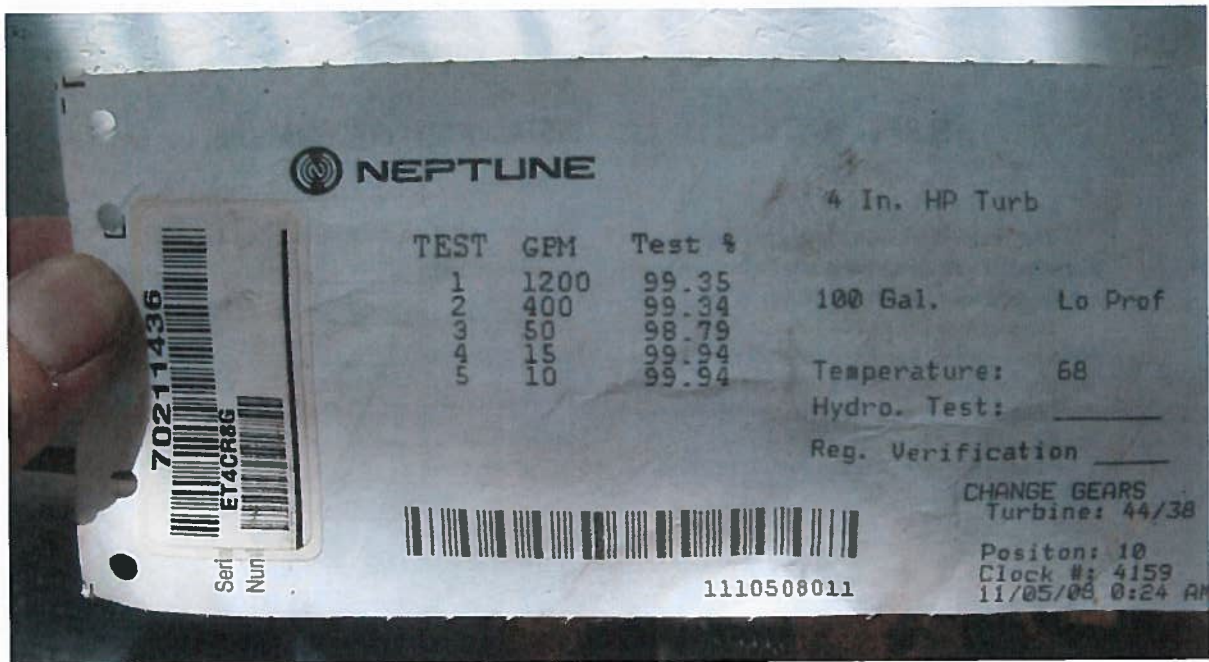
South Well flow rate is 34 gpm with ultrasonic meter and 33 gpm with Neptune turbine meter; 138 psi discharge pressure.



Calibration check of North Well flow meter. Installed Neptune meter behind pressure gage, portable ultrasonic flow meter on left.



North Well flow rate is 39 gpm with ultrasonic meter and 41 gpm with Neptune turbine meter; 140 psi discharge pressure.



Calibration tag for north flow meter.



Pipe scrap. 4-inch C900 PVC



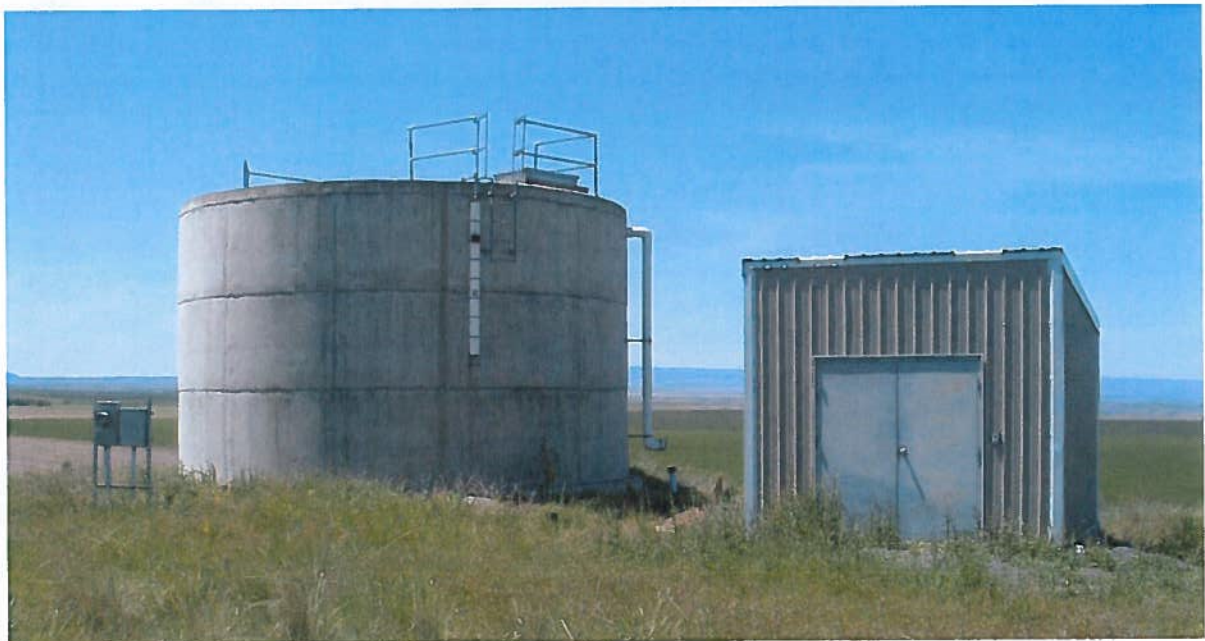
Air release valve at high point between wells and tank.



Blow-off valve at terminus of dead-end line extending south from well along Powell Road. Fence post in background is marker for buried stubbed pipe with curb stop (typical for each lot)



Exposed curb stop at lot.



Storage tank and booster pump building. Tank-level indicator shows tank nearly full.



Storage tank showing overflow pipe and valve vault. Water from the wells enters at the top of the tank, then exits the bottom of the tank to the valve vault. Water from valve vault can flow back into delivery pipe when well pumps are off. A tee in the delivery pipe is connected to booster pump. A check valve in valve vault prevents short-circuiting of flow to tank when well pumps are running.



Interior of booster pump building. Piping is connected and pressurized through building, but waiting for booster pump installation to provide adequate pressure (>40 psi) for high elevation lots



Circuit breakers for booster pumps (3-phase 100a, 20a, and 20a, and 1-phase 20a). Power meter #12578873 Clearwater Power Company. Electrical permit #6659981, 4/4/08 inspection date.



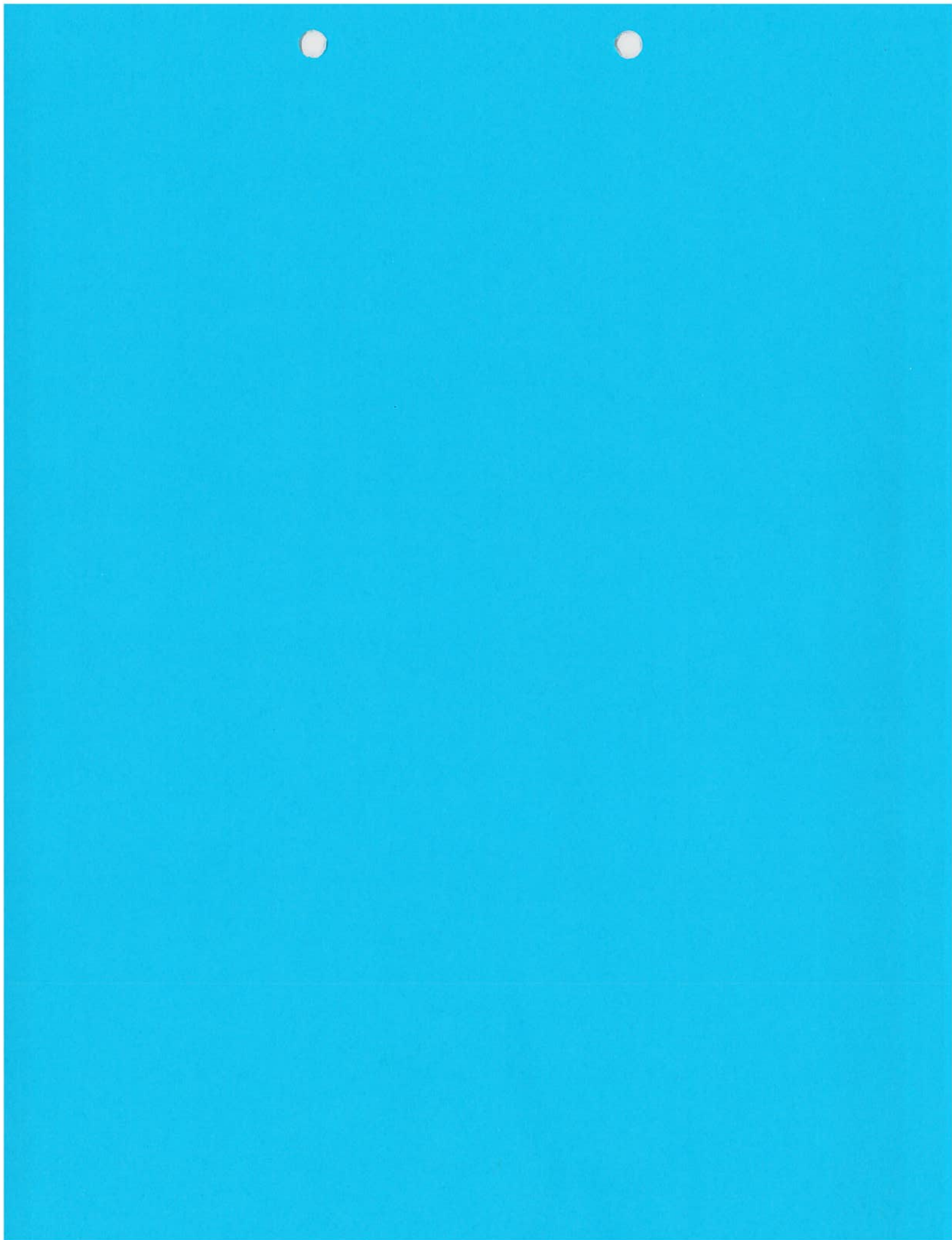
View of subdivision area looking north on Pheasant Loop Road.

Attachment I
Summary of Flow Rate Measurements

South Well Only			
Elapsed Minutes	Neptune		GE Ultrasonic
	Total gal	gpm	gpm
0.0	14,060		
1.0	14,094	34.0	33-35
3.0	14,161	33.7	
9.0	14,358	33.1	
32.0	15,118	33.1	

North Well Only			
Elapsed Minutes	Neptune		GE Ultrasonic
	Total gal	gpm	gpm
0.0	38,650		
2.0	38,733	41.5	38-39
10.0	39,064	41.4	

North and South Wells Combined						
Elapsed Minutes	South Neptune		North Neptune		Combined Neptune	GE Ultrasonic North
	Total gal	gpm	Total gal	gpm	gpm	gpm
0.0			39,340			
1.0	16,115					37-38
2.0			39,423	41.5		
3.0	16,181	33.0				
8.5			39,683	40.4	73.4	
9.0	16,379	33.0				



AFFIDAVIT OF WARREN S. WATTS, P.E.

State of Idaho)
) ss
County of Nez Perce)

WARREN S. WATTS, being first duly sworn on oath deposes and states as follows:

1. I am over the age of eighteen years and state the following based upon my personal knowledge and experience.
2. I make the statements in this Affidavit to establish the process and timing of development and completion of a community water system to divert ground water under Water Right Permit No. 85-15690 issued to Tammany View, LLC on June 15, 2007.
3. I am the principal engineer in the firm of WW Engineering, 3435 Clemans Rd, Clarkston, Washington 99403.
4. I am a licensed civil engineer in the States of Idaho and Washington. A copy of my curriculum vitae summarizing my education and professional experience is attached hereto as Exhibit A.
5. In or about March of 2007, I was retained to assist it in the design and construction of a community water system to serve the third phase of a three-phased residential subdivision south of Lewiston in Nez Perce County, Idaho.
6. As project engineer, I was responsible for oversight of contractors and materials used to construct the Community water system.
7. Phase 3 originally was proposed as a subdivision with 38 five-acre residential lots. During the entitlement process for the subdivision, at the instigation of the Nez Perce County Planning and Zoning Commission, Phase 3 was, for at least a short time, contemplated to be developed with 72 two-acre lots. Ultimately, however, the County reversed its request for the denser development and Phase 3 remained platted for 38 five-acre residential lots.
8. In May of 2007 I prepared and submitted to the Idaho Department of Environmental Quality ("IDEQ") an Engineer's Report, Plans and Specifications for a community water system to serve 38 residential lots within Phase 3, together with certain technical, financial and managerial documentation. These materials were supplemented, and to some extent, revised over the course of the year in response to comments from IDEQ and as the community water system was constructed.

9. The community water system was designed and constructed to provide a peak demand of 800 gallons per day ("gpd") to each residential connection to allow for in-home domestic use and limited landscape irrigation within each lot. Copies of the design plans and specifications for the Phase 3 community water system that I prepared and submitted to IDEQ area attached hereto as Exhibit B. As indicated on the face of the plans, they were approved by IDEQ on May 19, 2008.
10. Key components of the community water system that I designed for Phase 3 include the following:
 - a. Two deep (900'+) wells each equipped with 20 horsepower submersible pumps;
 - b. Pumphouse containing flow meters, valves and related control equipment;
 - c. An approximately 60,000 gallon concrete water reservoir;
 - d. 4" and 2" water distribution lines extending from the pumphouse stubbed to each of the 38 residential lots; and
 - e. A booster pump that could provide water under a minimum pressure to residences in identified low pressure zones of the subdivision.
11. In May of 2007, Tammany View, LLC obtained two drilling permits from the Idaho Department of Water Resources ("IDWR"). Copies of the drilling permits are attached hereto as Exhibit C.
12. Uhlenkott Drilling was hired to construct two wells for Phase 3 and they were completed in that same month. Copies of the well driller's reports for the two wells are attached hereto as Exhibit D.
13. On June 15, 2007, IDWR issued Permit to Appropriate Water No. 85-15690 to Tammany View, LLC authorizing diversion of ground water from two wells at a maximum rate of 0.20 cfs. A copy of Permit No. 85-15690 is attached hereto as Exhibit E.
14. In July and August of 2007, I supervised pump testing of the two wells by using a 20 hp pump producing 53+ gpm over six hours for each well. A copy of my October 6, 2007 report to IDEQ of summarizing the pump test methods and results is attached hereto as Exhibit F.
15. I oversaw the construction of the community water system for Tammany View, LLC by its various contractors. Construction of the Phase 3 community water system and coordination with IDEQ proceeded over the course of the late summer and fall of 2007. Distribution lines were installed and stubbed to all 38 lots in 2008 after IDEQ approved final system plans and specifications. At that point, the system had been completed and stubbed to each residential lot and was in a condition to divert and distribute water consistent with the design plans and specifications with the exceptions that: 1) Tammany View, LLC and other lot owners determined not to install a booster pump that would provide IDEQ-mandated 40 psi delivery pressure to lots in low pressure zones until lot owners had begun home construction and requested delivery of water; and 2) Schedule

80 PVC solvent welded pipe was used in lieu of ductile iron pipe for plumbing within the pump. 80 PVC solvent welded pipe is, however, an accepted pipe material for community water systems including the Phase 3 system.

16. I have reviewed the July 20, 2016 Beneficial Use Field Exam report ("BUFE") attached hereto as Exhibit G and prepared by Terry Scanlan of SPF Water Engineers. I believe that this BUFE accurately describes the extent of development, beneficial use and capacity of the Phase 3 community water system as of its completion.

FURTHER YOUR AFFIANT SAYETH NAUGHT.

DATED THIS 2nd DAY OF AUGUST, 2016


WARREN S. WATTS

Subscribed and sworn to before me this 2nd day of August, 2016.



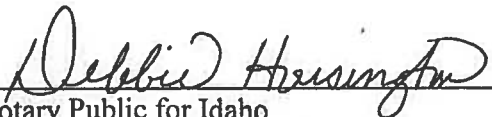

Notary Public for Idaho
Residing at: Lewiston, Id
My commission expires: 7/11/19

EXHIBIT A

W.W. ENGINEERING

WARREN S. WATTS

3435 Clemans Rd
Clarkston, WA. 99403
Phone: 509-243-4003
Fax: 509-243-4004
Cell: 509-780-9725
E-Mail: wweng2@tds.net

PHYSICAL DISABILITIES:

NONE

EDUCATION: B.S. (C.E.) - 1960 - University of Idaho
Graduate Work - 1964 - 1965 - University of Idaho
(Soils Engineering).

PROFESSIONAL LICENCES:

Since 1964 - State of Idaho - Professional Engineer - No. 1551
Since 1964 - State of Washington - Professional Engineer - No. 10691

GENERAL INFORMATION:

I have been involved in the Heavy Construction Industry and Civil Engineering field for more than 58 years, beginning in 1952 with the Bureau of Public Roads. Except for two years in the military (1952-1955) all my work efforts have been as a Professional Engineer or Engineering Technician.

I have provided professional services as an expert witness in land disputes, construction contract claims and law suites since 1965.

I've held positions as a Public Engineer for the State of Idaho, Division of Highways, City of Lewiston and Nez Perce County and as an Engineer Technician for the FHWA. In total I have approximately 16 years in public service. For the past 45 plus years my work efforts have been in the private sector either as consultant to contractors, Consulting Engineer or owner of a construction company.

WORK HISTORY:

1977 - Present Time: Consulting Engineer with my services devoted to both the heavy construction industry and land development.

My service in the construction industry includes the following:

- Estimating
- Preparation of Contract Documents
- Structural Analysis of Industrial Buildings
- Quality Control Management
- Project Supervisor
- Preparation of Claims
- Interpretation of Project Documents
- Investigation of Material Sources

Expert Witness

My service in site development includes the following:

- Water and Sewer System Design
- Structural Design
- Preparation of Plans & Specifications

1972 - 1977 - Owner and manager of heavy construction company (Clearwater Construction and Engineering).

Work included design and construction of earth fill dams, development of subdivisions, construction of roads and highways, installation of utilities and golf course development and construction. Also performed considerable amount of structural and utility design work.

1971 - 1972 - Consulting Engineer for several contractors in the Lewiston area. Work included the following:

- Estimating
- Interpretation of Contract Documents
- Structural Design
- Preparation of Technical Documents
- Expert Witness

1967 - 1971 and 1964 - 1966 - City Engineer and Director of Public Works for the City of Lewiston, Idaho. My overall duties included supervision and management of the following:

- Lewiston/Nez Perce County Airport
- Street Department
- Water/Sewer Department
- Building Department
- Traffic Studies

Also served as the Chairman of Regional Transportation Traffic Committee and Technical Advisor to the City and County Planning Departments.

1966 - 1967 - Project Engineer for Engineering Company (Sleavn and Kors) in Tacoma, Washington. Work included design of the following items:

- Bridges
- Utility System
- Subdivisions
- Roads & Streets
- Ski Area Development

1960 - 1964 Engineer for State of Idaho - Department of Highways - Positions Held:

- Resident Engineer
- Structural Design Engineer
- District Materials Engineer
- Research Soils Engineer
- Highway Design Engineer

1952 - 1953 and 1955 - 1960 - Engineering Technician for the Bureau of Public Roads and Department of Highways. My experience was mainly in the areas of Surveying and Quality Control Assurance.

EXHIBIT B

NEC'd
4/29/08
2120 02

TAMMANY VIEW PROPERTIES

PHASE III WATER SYSTEM

TAMMANY VIEW LLC

GRANGEVILLE, IDAHO 83530



STATE OF IDAHO



NEZ PERCE COUNTY

LOCATION MAPPLANS & SPECIFICATIONS REVIEWBy Tom Moore 5/19/08
Engineer Date

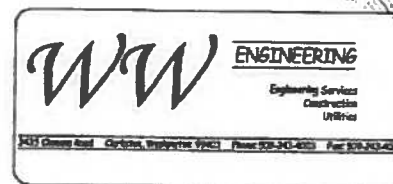
These plans and/or specifications have been reviewed for compliance with Idaho Dept. of Environmental Quality rules and are hereby approved. This review does not relieve the owner, engineer, or the contractor of the responsibility to design or construct these facilities in compliance with all current applicable federal, state and local laws, rules, regulations, or ordinances.

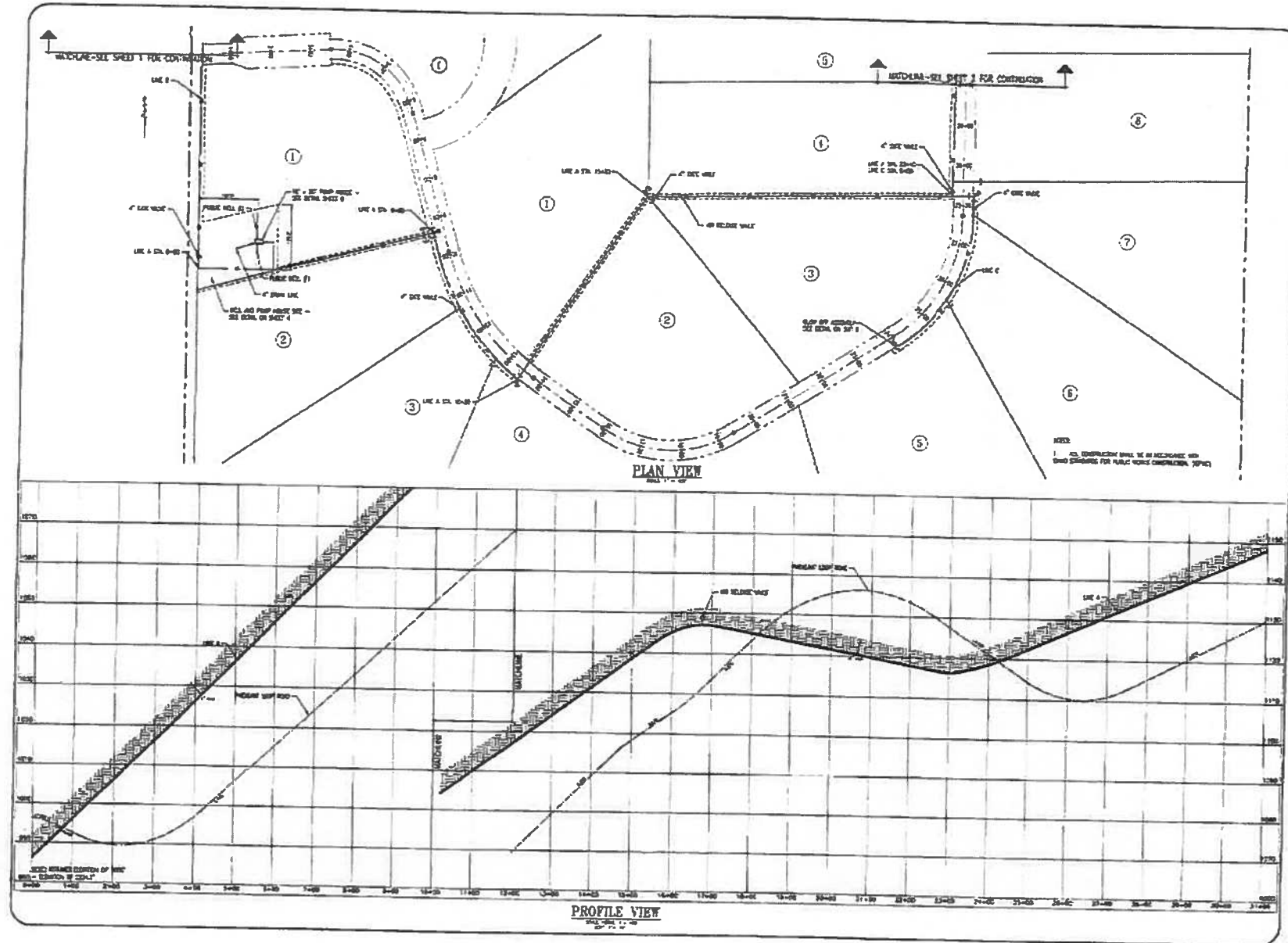
Plans under specification 100.01.01 are resubmitted for review. If changes are not completed by 5/19/08, they will be referred to the DEQ for review.

Notes to letter: 5/19/08 DONALDSON



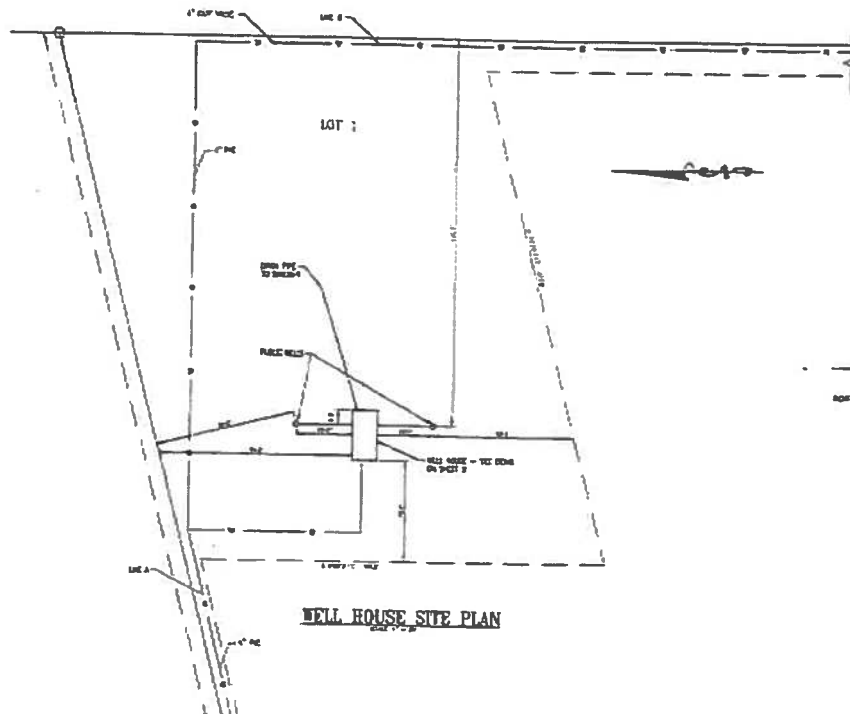
**PROGRESSIVE
ENGINEERING GROUP, INC**
 ☼ PLANNING & DESIGN • CONSTRUCTION MANAGEMENT
 1208 IDAHO STREET
 LEWISTON, IDAHO 83501
 PH (208) 746-5406 FAX (208) 746-9732





PLAN & PROFILE DISTRIBUTION SYSTEM
TAMMANY VIEW PROPERTIES
PHASE III
TAMMANY VIEW LLC
CRANESVILLE, ID 83600

[illegible][illegible]



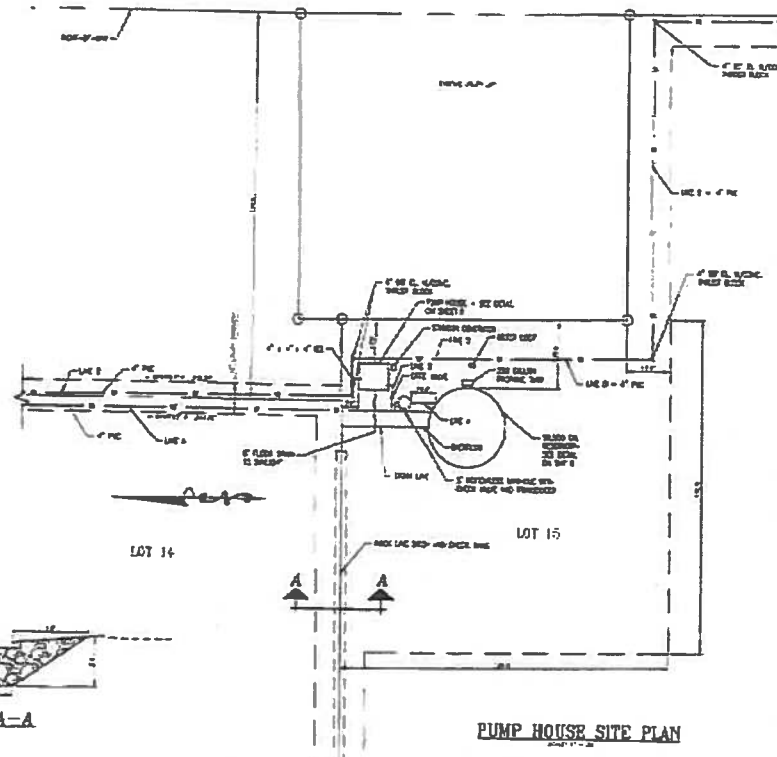
WELL HOUSE SITE PLAN



SECTION A-A

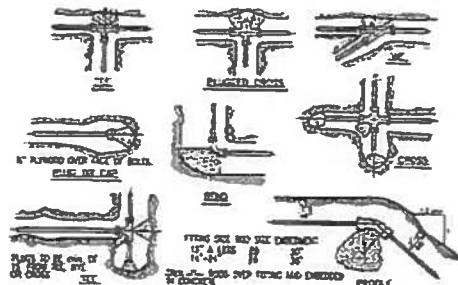
PUMP ELECTRICAL AND INSTRUMENTATION

1. ALL WIRING, CABLES, ELECTRICAL BOXES AND CONDUITS SHALL MEET THE NATIONAL ELECTRICAL CODE FOR DESIGN, CONSTRUCTION AND INSTALLATION.
2. CONDUITS SHALL BE SCHEDULE 40 RIGID CONDUIT, 1/2\"/>



PUMP HOUSE SITE PLAN

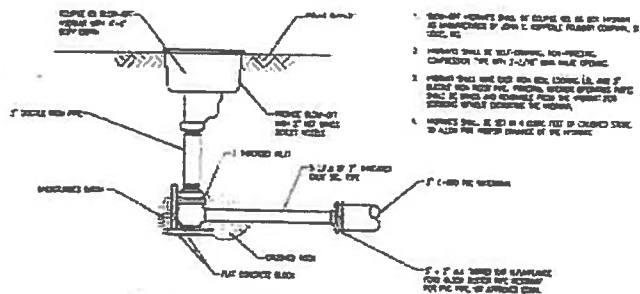
WELL HOUSE & PUMP HOUSE SITE PLAN TAMMANY VIEW PROPERTIES PHASE III TAMMANY VIEW LLC CHANGEVILLE, ID 83850	
DATE: 11-11-2011 DRAWN BY: J. W. W. CHECKED BY: J. W. W. DESIGNED BY: J. W. W. PROJECT NO.: 11-11-2011	SHEET NO. 1 OF 2



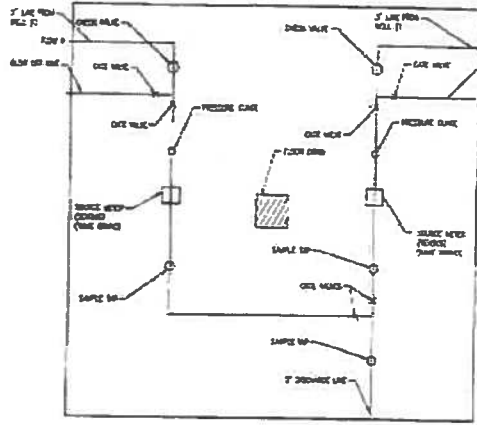
FITTING	BEARING AREA OF THRUST BLOCKS IN SQ. FT.	BEARING AREA OF THRUST BLOCKS IN SQ. IN.
1. 1/2" DIA. PIPE	1.1	15.7
2. 1" DIA. PIPE	0.8	11.3
3. 3/4" DIA. PIPE	0.6	8.5
4. 3/2" DIA. PIPE	0.4	5.7
5. 3/4" DIA. PIPE	0.3	4.2
6. 3/2" DIA. PIPE	0.2	2.8
7. 3/4" DIA. PIPE	0.1	1.4
8. 3/2" DIA. PIPE	0.1	1.4
9. 3/4" DIA. PIPE	0.1	1.4
10. 3/2" DIA. PIPE	0.1	1.4
11. 3/4" DIA. PIPE	0.1	1.4
12. 3/2" DIA. PIPE	0.1	1.4
13. 3/4" DIA. PIPE	0.1	1.4
14. 3/2" DIA. PIPE	0.1	1.4
15. 3/4" DIA. PIPE	0.1	1.4
16. 3/2" DIA. PIPE	0.1	1.4
17. 3/4" DIA. PIPE	0.1	1.4
18. 3/2" DIA. PIPE	0.1	1.4
19. 3/4" DIA. PIPE	0.1	1.4
20. 3/2" DIA. PIPE	0.1	1.4
21. 3/4" DIA. PIPE	0.1	1.4
22. 3/2" DIA. PIPE	0.1	1.4
23. 3/4" DIA. PIPE	0.1	1.4
24. 3/2" DIA. PIPE	0.1	1.4
25. 3/4" DIA. PIPE	0.1	1.4
26. 3/2" DIA. PIPE	0.1	1.4
27. 3/4" DIA. PIPE	0.1	1.4
28. 3/2" DIA. PIPE	0.1	1.4
29. 3/4" DIA. PIPE	0.1	1.4
30. 3/2" DIA. PIPE	0.1	1.4
31. 3/4" DIA. PIPE	0.1	1.4
32. 3/2" DIA. PIPE	0.1	1.4
33. 3/4" DIA. PIPE	0.1	1.4
34. 3/2" DIA. PIPE	0.1	1.4
35. 3/4" DIA. PIPE	0.1	1.4
36. 3/2" DIA. PIPE	0.1	1.4
37. 3/4" DIA. PIPE	0.1	1.4
38. 3/2" DIA. PIPE	0.1	1.4
39. 3/4" DIA. PIPE	0.1	1.4
40. 3/2" DIA. PIPE	0.1	1.4
41. 3/4" DIA. PIPE	0.1	1.4
42. 3/2" DIA. PIPE	0.1	1.4
43. 3/4" DIA. PIPE	0.1	1.4
44. 3/2" DIA. PIPE	0.1	1.4
45. 3/4" DIA. PIPE	0.1	1.4
46. 3/2" DIA. PIPE	0.1	1.4
47. 3/4" DIA. PIPE	0.1	1.4
48. 3/2" DIA. PIPE	0.1	1.4
49. 3/4" DIA. PIPE	0.1	1.4
50. 3/2" DIA. PIPE	0.1	1.4
51. 3/4" DIA. PIPE	0.1	1.4
52. 3/2" DIA. PIPE	0.1	1.4
53. 3/4" DIA. PIPE	0.1	1.4
54. 3/2" DIA. PIPE	0.1	1.4
55. 3/4" DIA. PIPE	0.1	1.4
56. 3/2" DIA. PIPE	0.1	1.4
57. 3/4" DIA. PIPE	0.1	1.4
58. 3/2" DIA. PIPE	0.1	1.4
59. 3/4" DIA. PIPE	0.1	1.4
60. 3/2" DIA. PIPE	0.1	1.4
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63. 3/4" DIA. PIPE	0.1	1.4
64. 3/2" DIA. PIPE	0.1	1.4
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68. 3/2" DIA. PIPE	0.1	1.4
69. 3/4" DIA. PIPE	0.1	1.4
70. 3/2" DIA. PIPE	0.1	1.4
71. 3/4" DIA. PIPE	0.1	1.4
72. 3/2" DIA. PIPE	0.1	1.4
73. 3/4" DIA. PIPE	0.1	1.4
74. 3/2" DIA. PIPE	0.1	1.4
75. 3/4" DIA. PIPE	0.1	1.4
76. 3/2" DIA. PIPE	0.1	1.4
77. 3/4" DIA. PIPE	0.1	1.4
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79. 3/4" DIA. PIPE	0.1	1.4
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89. 3/4" DIA. PIPE	0.1	1.4
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92. 3/2" DIA. PIPE	0.1	1.4
93. 3/4" DIA. PIPE	0.1	1.4
94. 3/2" DIA. PIPE	0.1	1.4
95. 3/4" DIA. PIPE	0.1	1.4
96. 3/2" DIA. PIPE	0.1	1.4
97. 3/4" DIA. PIPE	0.1	1.4
98. 3/2" DIA. PIPE	0.1	1.4
99. 3/4" DIA. PIPE	0.1	1.4
100. 3/2" DIA. PIPE	0.1	1.4

- NOTES:**
- BEARING AREAS BASED ON TEST PRESSURE OF 150 PSI AND A SOIL BEARING CAPACITY OF 2,000 LBS. PER SQ. FT. TO ALLOW FOR DIFFERENT TEST PRESSURES IN SOIL BEARING CAPACITY, FOLLOWING TABLE:
 - CONCRETE THRUST BLOCKS TO BE PLACED AGAINST UNDISTURBED SOIL.
 - ALL JOINTS & FITTINGS SHALL BE PROTECTED FROM DIRECT CONTACT WITH CONCRETE BY COATING WITH A THIN SHEET OF POLYETHYLENE OR SOIL.
 - UNLESS NOTED OTHERWISE, REQUIRED BEARING AREAS AT FITTINGS SHALL BE REPEATED ABOVE.
 - BEARING AREAS & SPECIAL BEARING DETAILS SHOWN ON PLANS TAKE PRECEDENCE OVER BEARING AREAS & BEARING DETAILS SHOWN ON THE STANDARD DETAIL.
 - CONCRETE COMPRESSIVE STRENGTH SHALL BE 2,500 P.S.I. MIN.
 - CONCRETE CURE/SET TIME FOR TYPE II CONCRETE SHALL BE 40 HOURS; CURE/SET TIME SHALL BE 70 HOURS FOR ALL OTHER CONCRETE.
 - THRUST BLOCKS FOR VERTICAL UP-BOWS SHALL BE THE SAME AS FOR HORIZONTAL BOWS.

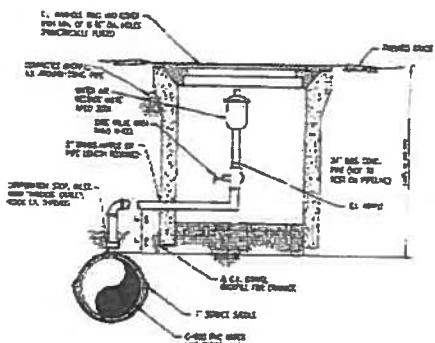
THRUST BLOCK DETAIL



2" BLOW OFF DETAIL



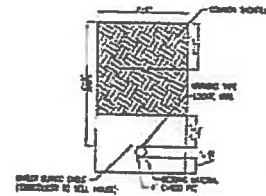
WELL HOUSE MECHANICAL SCHEMATIC PLAN



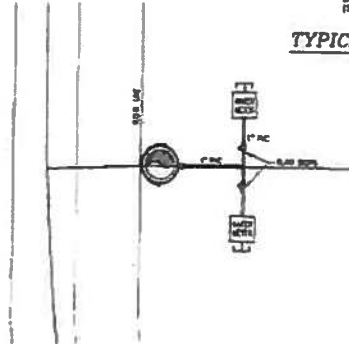
WATER AIR RELEASE VALVE

1/2" DIA.

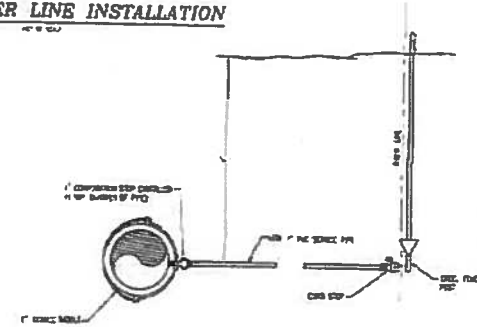
- NOTES:**
- COMPENSATION STOP, AIR VALVE, AND SHUTTING PIVOT SHALL BE THE SAME SHOWN ON THE AIR VALVE DETAIL.
 - USE APPROVED JOINTING COMPOUND ON ALL THREADED CONNECTIONS.
 - INSTALL AIR VALVE TO PROVIDE MINIMUM CLEARANCE FOR ACCESS TO GATE VALVE.
 - AIR VALVE DETAIL SHOWN ON THE PLANS TAKE PRECEDENCE OVER THE STANDARD DETAIL.



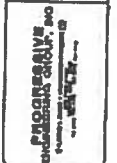
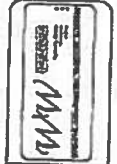
TYPICAL WATER LINE INSTALLATION



DOUBLE WATER SERVICE CONNECTION

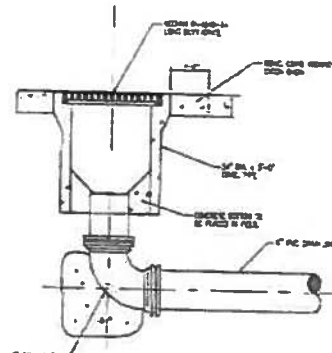


WATER SERVICE CONNECTION

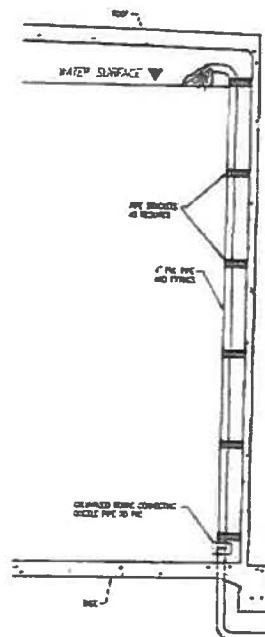


WELL HOUSE SCHEMATIC & GENERAL DETAILS
TAMMANY VIEW PROPERTIES
PHASE III
TAMMANY VIEW LLC
UNIONVILLE, ID 83630

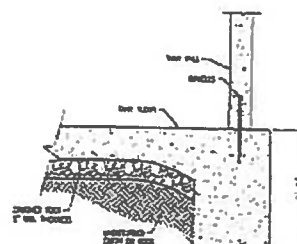
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BY	10/10/10
CHECKED BY	10/10/10
APPROVED BY	10/10/10
SCALE	AS SHOWN
SHEET NO.	1 OF 1



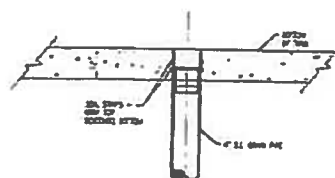
CATCH BASIN DETAIL



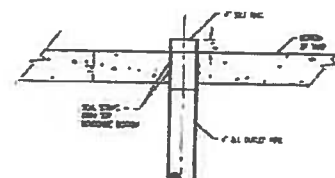
INLET DETAIL



FOOTING/FLOOR DETAIL



DRAIN PIPE DETAIL



QUILEY SUMP DETAIL

59.500 GALLON STORAGE PIPING LAYOUT

1. ALL INFORMATION SHALL BE IN ACCORDANCE WITH
AND SUBJECTS FOR PUBLIC BEING CONFIDENTIAL (FOUO)

[illegible]

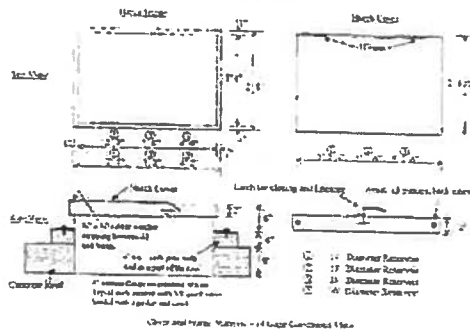
FOR THE NATIONAL BUREAU OF INVESTIGATION
UNITED STATES DEPARTMENT OF JUSTICE
WASHINGTON, D. C. 20535
DATE: 11/11/71
TO: SAC, NEW YORK
FROM: SAC, NEW YORK
SUBJECT: [REDACTED]
[REDACTED]

PROGRESSIVE
PERMANENT COLOR, INC.
2 Austin & Third St. Cincinnati, Ohio 522
By mail **OFFICIAL** 100-1000

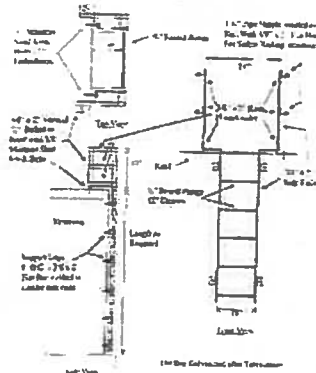
RESERVOIR LAYOUT & DETAILS
TAMMANY VIEW PROPERTIES
PHASE III
TAMMANY VIEW LLC
GRANVILLE, OH 43030

NAME: [illegible]
 DOB: [illegible]
 SEX: [illegible]
 AGE: [illegible]
 HT: [illegible]
 WT: [illegible]
 BLOOD PRESSURE: [illegible]
 HEART RATE: [illegible]
 RESPIRATORY RATE: [illegible]
 TEMPERATURE: [illegible]
 PULSE: [illegible]
 SPO2: [illegible]
 GLUCOSE: [illegible]
 CHOLESTEROL: [illegible]
 TRIGLYCERIDES: [illegible]
 HEMOGLOBIN: [illegible]
 HEMATOCRIT: [illegible]
 PLATELETS: [illegible]
 WBC: [illegible]
 NEUTROPHILS: [illegible]
 LYMPHOCYTES: [illegible]
 MONOCYTES: [illegible]
 EOSINOPHILS: [illegible]
 BASOPHILS: [illegible]
 RBC: [illegible]
 HGB: [illegible]
 HCT: [illegible]
 MCV: [illegible]
 MCH: [illegible]
 MCHC: [illegible]
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 PLT: [illegible]
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 MONO: [illegible]
 EOSI: [illegible]
 BASO: [illegible]

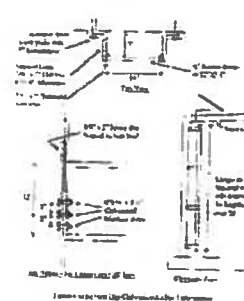
Entry Hatch Details



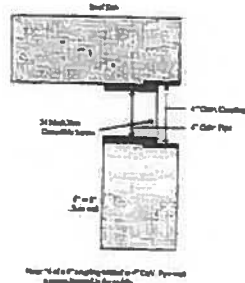
Outside Ladder Details



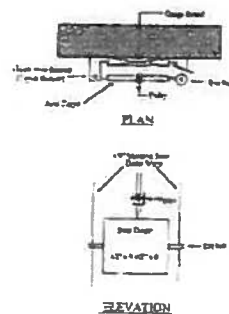
Inside Ladder Detail



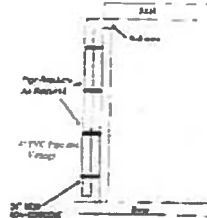
Overview Detail



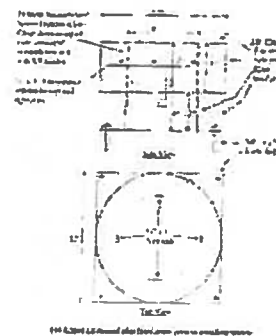
Target Detail



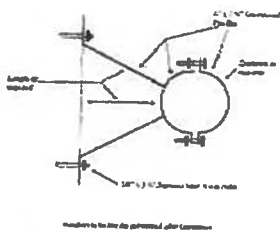
Overview Detail



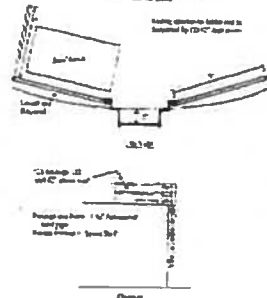
Air Vent Detail



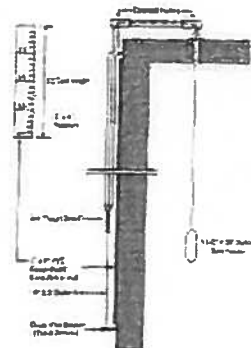
Bracket for Monitoring Pole to Wall



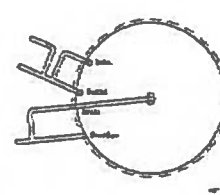
Severe Rainfall Layout



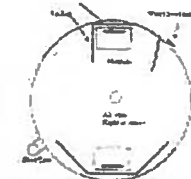
Gate Board



Base

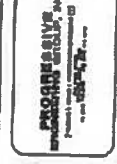
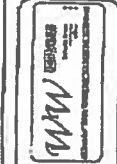


Roof



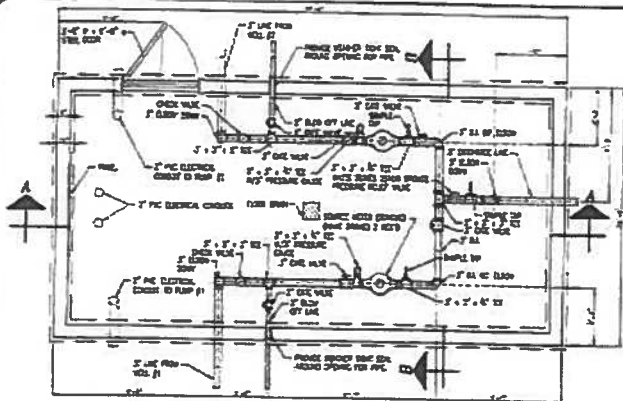
NOTES:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY STANDARDS FOR PUBLIC WORKS CONSTRUCTION (COWC).

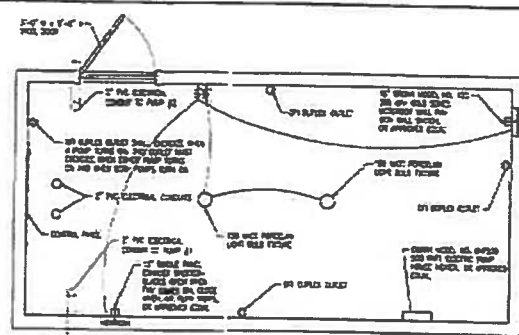


RESERVOIR DETAILS
TAMMANY VIEW PROPERTIES
PHASE III
TAMMANY VIEW T.I.C
ORANGEVILLE, ID 80030

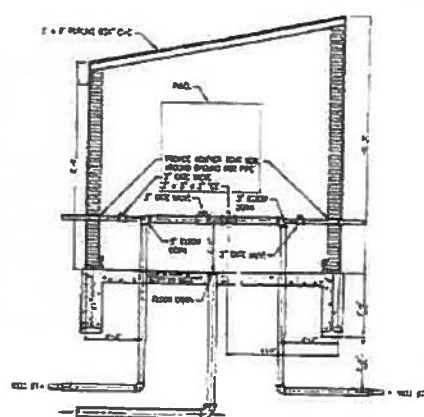
DATE	BY	CHKD BY
10/1/03	WJW	WJW
10/1/03	WJW	WJW
10/1/03	WJW	WJW



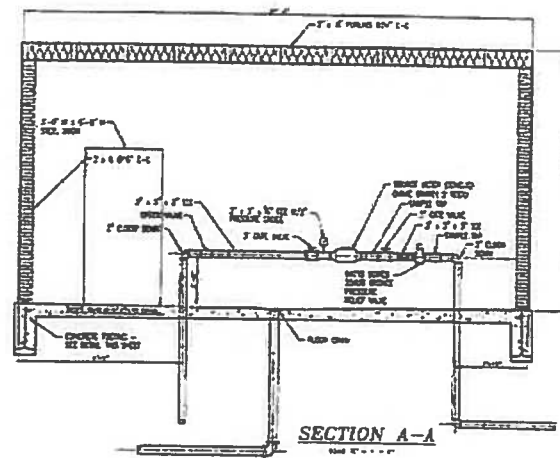
WELL HOUSE FLOOR PLAN
Scale 1" = 4'-0"



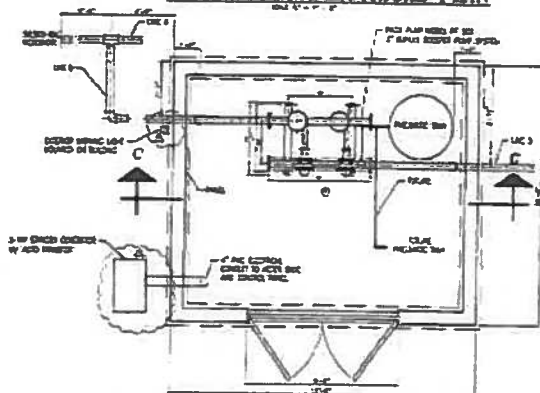
WELL HOUSE ELECTRICAL PLAN
Scale 1" = 4'-0"



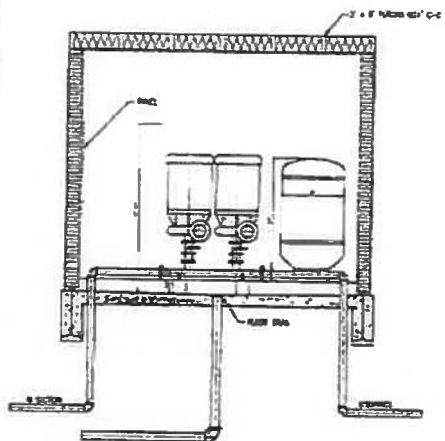
SECTION B-B
Scale 1" = 4'-0"



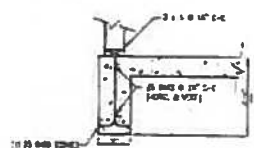
SECTION A-A
Scale 1" = 4'-0"



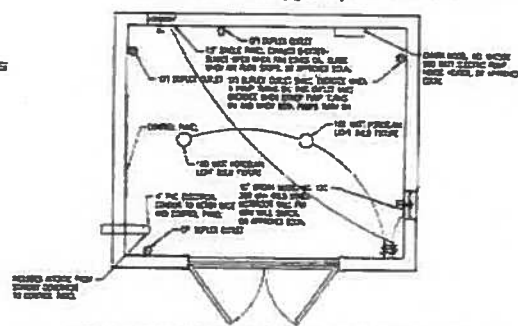
BOOSTER PUMP HOUSE FLOOR PLAN
Scale 1" = 4'-0"



SECTION C-C
Scale 1" = 4'-0"



FOOTING DETAIL
Scale 1" = 4'-0"



BOOSTER PUMP HOUSE ELECTRICAL PLAN
Scale 1" = 4'-0"

- NOTES
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH 2000 CHARTERS FOR PUBLIC WORKS (EXCEPT WHERE SHOWN OTHERWISE).
 2. ALL STEEL AND REINFORCING BARS OF WELL HOUSE SHALL BE GALVANIZED STEEL.

NO.	REVISION	DATE
1	AS SHOWN	10/1/00



WILLIAM J. W.
REGISTERED PROFESSIONAL ENGINEER
No. 10000
State of California

PROFESSIONAL ENGINEER, NO. 10000
STATE OF CALIFORNIA

WELL HOUSE & BOOSTER PUMPS
TAMMANY VIEW PROPERTIES
PHASE III
TAMMANY VIEW, LLC
ORANGEVILLE, ID 83850

DATE	BY	CHECKED BY
10/1/00	WJW	WJW
10/1/00	WJW	WJW
10/1/00	WJW	WJW



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

1118 "F" Street Lewiston • Idaho 83501-1930 • (208) 799-4370

C. L. "Butch" Otter, Governor
Toni Hardisty, Director

May 19, 2008

Mr. Don Blewett
Tammany View Properties
P.O. Box 286 34
Grangeville, ID 83530

RE: Record # 2220.08; Tammany View Properties Phase III Water System:

Dear Mr. Blewett,

The plans and specifications for the subject project appear to meet State of Idaho standards and are approved based on the conditions listed below.

STANDARD CONDITIONS:

1. The standard conditions on the Department of Environmental Quality (DEQ) review stamp are part of this approval. This approval will expire May 19, 2009. If construction is not completed by this expiration date, plans and related documents must be resubmitted to DEQ for review and approval before further construction may proceed.
2. This approval may be rescinded if the subject project is improperly constructed, operated, or maintained; or if it fails to function as designed.
3. Any major changes or changes which would result in violations of Idaho regulations must be reviewed by this office prior to construction.
4. Construction must be done under the supervision of an Idaho registered professional engineer. Within thirty days after construction, this engineer must provide either as-built plans to DEQ, or a letter of certification to DEQ stating that the project was installed substantially according to the approved plans.

SPECIFIC CONDITIONS

1. None

Please don't hesitate to contact me if you have questions or comments. My phone number is 208-799-4370 and e-mail address is Thomas.Moore@deg.idaho.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "T. Moore".

Thomas J. Moore, P.E.
Regional Engineering Manager

cc: Warren S. Watts, P.E., WW Engineering
Kerby M. Cole, P.E., DEQ-LRO Regional Administrator

EXHIBIT C

Form 235-1
10/1/03

#1
Well

Drilling Permit No. 846771
Drilling Permit I.D. Tag No. D51998
Water Right Permit No. 85-15690
Injection Permit No. _____

State of Idaho
Department of Water Resources



RECEIVED
MAY 15 2007
IDWR/North

APPLICATION FOR DRILLING PERMIT
(FOR THE CONSTRUCTION OF A WELL)

1. Owner (please print): TAMMANY VIEW L.L.C.
2. Mailing Address: Box 356
City: GRANGEVILLE State: ID Zip Code: 83530 Telephone: (208) 983-2933
3. Proposed Well Location: Twp. 34N, Rge. 4W, Sec. 7, 1/4 SE 1/4 SE 1/4;
Gov't Lot No. _____ County NEZ PERCE Lat. _____: _____: _____ Long. _____: _____: _____
Street Address of Well Site LOT 1, PHASE III TAMMANY VIEW SUBDIVISION City LEWISTON
Lot, block and subdivision _____
Give at least name of road + Distance to Road or Landmark

4. Proposed Use of Well:

- ☐ DOMESTIC: The use of water for homes, organization camps, public campgrounds, livestock and for any other purpose in connection therewith, including irrigation of up to 1/2 acre of land, if the total use is not in excess of 13,000 gpd; or any other uses, if the total use does not exceed a diversion rate of 0.04 cfs and a diversion volume of 2500 gpd.

Domestic does not include water for multiple ownership subdivisions, mobile home parks, commercial or business establishments, unless the use does not exceed a diversion rate of 0.04 cfs and a diversion volume of 2500 gpd.

NON-DOMESTIC: ☐ Irrigation ☒ Municipal ☐ Industrial
☐ Livestock ☐ Test ☐ Other _____
Type _____ Number Hd. _____ (Describe)

☐ INJECTION

☐ MONITORING: A well bore schematic and map is required for each blanket permit. No. of proposed wells: _____

5. Well Construction Information:

- A. ☒ New well ☐ Modify ☐ Replace
B. Proposed Casing Diameter 8 Proposed Maximum Depth _____
C. Anticipated bottom hole temperature:
☒ 85 F or less (Cold Water Well) ☐ 85 F to 212 F (Low Temp. Geo. Well) ☐ 212 F. or more (Geothermal Well)

6. Construction Start Date: 05-14-07

7. Anticipated Well Driller: Uhlenkot Driller's Lic. No. 125
NOTE: The actual well driller must be identified prior to drilling.

8. Applicant's Signature: _____ Date 5-14-07

Address (if different than owner): _____

City: _____ State: _____ Zip Code: _____ Telephone: _____

Title: _____
(Owner, Firm Representative, Other)

ACTION OF THE DEPARTMENT OF WATER RESOURCES

This Permit is APPROVE Date 5/15/07

If approved, this permit authorizes the construction or modification of a well subject to the following conditions. **READ CAREFULLY!**

GENERAL CONDITIONS:

1. This drilling permit is valid for two (2) months from the above 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 before construction of the well. All wells must be drilled a minimum distance of 100 feet from a drain field. Domestic and Public Water Supply wells must be drilled a minimum of 50 feet and 100 feet respectively from a 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. If the well being drilled is associated with approved water right(s) use of the well must comply with conditions of said water right(s).
7. If a bottom hole temperature of 85 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 "DigLine" Number for your area is 1-800-342-1585.
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.
10. The well tag for the drilling permit/start card shall be securely and permanently attached to the well casing through welding or by the use of four closed end domed stainless steel pop rivets. The tag attachment will be done at the time of completion of the well, and prior to removing the drill rig from the drill site.

SPECIFIC CONDITIONS:

Robert G. Haynes

REGIONAL MANAGER

Signature of Authorized Department Representative

Title

Receipt No. N018360 Received by db Fee 200⁰⁰ Date 5/15/07

EXTENSION OF DRILLING PERMIT

Extension approved by _____ Approval Date _____

This extension expires: _____

Idaho Department of Water Resources

GENERAL INFORMATION FOR FILING AN APPLICATION FOR DRILLING PERMIT

Effective October 1, 2003

I. GENERAL

A Drilling Permit must be obtained from the Department of Water Resources (Department) before the construction, modification or abandonment of any well greater than 18 feet in depth.

The Drilling Permit describes general conditions of approval and provides for specific conditions, which may be applicable in a particular locality or situation, i.e. Contamination Area, Area of Drilling Concern, Critical Groundwater Area, Ground Water Management Area. The Drilling Permit authorizes the construction or modification of a well, but does not authorize water diversion, use, or injection (refer to III.B. and III.C. below).

II. DRILLING PERMIT DEFINITIONS (Reference Section 42-111, Idaho Code, Amended 1990)

A. DOMESTIC - Any well used only for the following purposes:

1. The use of water for homes, organization camps, public campgrounds, livestock and for any other purpose in connection therewith, including irrigation of up to 1/2 acre of land, if the total use is not in excess of 13,000 gpd; or

2. Any other uses, if the total use does not exceed a diversion rate of 0.04 cfs and a diversion volume of 2500 gpd.

Domestic purposes does not include: Water for multiple ownership subdivisions, mobile home parks, commercial or business establishments, unless the use meets the diversion rate and volume limitations set forth in Paragraph A.2. above.

B. NON-DOMESTIC

Any well used for purposes not included in "Domestic".

III. DRILLING PERMIT ISSUANCE RESTRICTIONS

- A. 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.
- B. Non-Domestic wells will require a Water Right Permit prior to issuance of a Drilling Permit. All conditions of an approved water right must be complied with, when in association with the drilling permit.
- C. Injection wells (domestic and non-domestic) will require Injection Well permits prior to issuance of the Drilling Permit
- D. Monitoring wells require a well bore schematic and a map or plat showing the location of each well prior to issuance of Drilling Permits. All applications for Monitoring Well Blanket Permits must be submitted by a registered professional engineer or geologist.
- E. Public Water Supply Wells will require additional approval by Department of Environmental Quality.

IV. DRILLING PERMIT FEE STRUCTURE

The fee for Domestic Wells described in II.A. above is \$75.00.

The fee for Non-Domestic Wells described in II.B. above is \$200.00.

The fee for Monitoring Wells (See III.D. above) is \$75.00 per well; or \$100.00 for a blanket permit plus \$50.00 per well.

There is no fee for a permit to Abandon a Well. \$00.00. A separate form is available for abandonment.

Your application and fee may be submitted to one of the following offices:

Western Region

Idaho Department of Water Resources
2735 Airport Way
Boise, ID 83705-5082
Phone: (208) 334-2180

Northern Region

Idaho Department of Water Resources
1910 Northwest Blvd., STE 210
Coeur d'Alene, ID 83814-2615
Phone: (208) 769-1450

Eastern Region

Idaho Department of Water Resources
900 North Skyline Drive STE A
Idaho Falls, ID 83402-1718
Phone: (208) 626-7161

Southern Region

Idaho Department of Water Resources
1341 Fillmore Street, STE 200
Twin Falls, ID 83301-3380
Phone: (208) 738-3033

Form 235-1
10/1/03

#2
Well

Drilling Permit No. 846772
Drilling Permit I.D. Tag No. 051899
Water Right Permit No. 85-15690
Injection Permit No. _____

State of Idaho
Department of Water Resources

APPLICATION FOR DRILLING PERMIT
(FOR THE CONSTRUCTION OF A WELL)

RECEIVED
MAY 15 2007
IDWR/North

1. Owner (please print): TAMMANY VIEW L.L.C.
2. Mailing Address: Box 356
City: GRANGEVILLE State: ID Zip Code: 83530 Telephone: (208) 983-2933
3. Proposed Well Location: Twp. 34N., Rge. 4W., Sec. 7, 1/4 SE 1/4 SE 1/4;
Goy'l Lot No. _____ County 11E2 PERCE Lat. _____ Long. _____
Street Address of Well Site LOT 1, PHASE III TAMMANY VIEW SUBDIVISION City LEWISTON
Lot, block and subdivision _____
Give at least name of road + Distance to Road or Landmark

4. Proposed Use of Well:

- ☐ DOMESTIC: The use of water for homes, organization camps, public campgrounds, livestock and for any other purpose in connection therewith, including irrigation of up to 1/2 acre of land, if the total use is not in excess of 13,000 gpd; or any other uses, if the total use does not exceed a diversion rate of 0.04 cfs and a diversion volume of 2500 gpd.

Domestic does not include water for multiple ownership subdivisions, mobile home parks, commercial or business establishments, unless the use does not exceed a diversion rate of 0.04 cfs and a diversion volume of 2500 gpd.

NON-DOMESTIC: ☐ Irrigation ☒ Municipal ☐ Industrial
☐ Livestock ☐ Test ☐ Other _____
Type _____ Number Hd. _____ (Describe)

☐ INJECTION

☐ MONITORING: A well bore schematic and map is required for each blanket permit. No. of proposed wells: _____

5. Well Construction Information:

- A. ☒ New well ☐ Modify ☐ Replace
B. Proposed Casing Diameter 8 Proposed Maximum Depth _____
C. Anticipated bottom hole temperature:
☒ 85 F or less (Cold Water Well) ☐ 85 F to 212 F (Low Temp. Geo. Well) ☐ 212 F. or more (Geothermal Well)

6. Construction Start Date: 06-04-07

7. Anticipated Well Driller: CHLEWKO Driller's Lic. No. 126
NOTE: The actual well driller must be identified prior to drilling.

8. Applicant's Signature: [Signature] Date 7-10-07

Address (if different than owner): _____

City: _____ State: _____ Zip Code: _____ Telephone: _____

Title: _____
(Owner, Firm Representative, Other)

ACTION OF THE DEPARTMENT OF WATER RESOURCES

This Permit is APPROVE Date 5/15/07

If approved, this permit authorizes the construction or modification of a well subject to the following conditions. **READ CAREFULLY!**

GENERAL CONDITIONS:

1. This drilling permit is valid for two (2) months from the above 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 before construction of the well. All wells must be drilled a minimum distance of 100 feet from a drain field. Domestic and Public Water Supply wells must be drilled a minimum of 50 feet and 100 feet respectively from a 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. If the well being drilled is associated with approved water right(s) use of the well must comply with conditions of said water right(s).
7. If a bottom hole temperature of 85 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 "DigLine" Number for your area is 1-800-342-1685.
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.
10. The well tag for the drilling permit/start card shall be securely and permanently attached to the well casing through welding or by the use of four closed end domed stainless steel pop rivets. The tag attachment will be done at the time of completion of the well, and prior to removing the drill rig from the drill site.

SPECIFIC CONDITIONS:

Robert G Haynes

REGIONAL MANAGER

Signature of Authorized Department Representative

Title

Receipt No. NO 18360 Received by db Fee \$200.00 Date 5/15/07

EXTENSION OF DRILLING PERMIT

Extension approved by _____ Approval Date _____

This extension expires: _____

Idaho Department of Water Resources

GENERAL INFORMATION FOR FILING AN APPLICATION FOR DRILLING PERMIT

Effective October 1, 2003

I. GENERAL

A Drilling Permit must be obtained from the Department of Water Resources (Department) before the construction, modification or abandonment of any well greater than 18 feet in depth.

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2. Any other uses, if the total use does not exceed a diversion rate of 0.04 cfs and a diversion volume of 2500 gpd.

Domestic purposes does not include: Water for multiple ownership subdivisions, mobile home parks, commercial or business establishments, unless the use meets the diversion rate and volume limitations set forth in Paragraph A.2. above.

B. NON-DOMESTIC

Any well used for purposes not included in "Domestic".

III. DRILLING PERMIT ISSUANCE RESTRICTIONS

- A. 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.
- B. Non-Domestic wells will require a Water Right Permit prior to issuance of a Drilling Permit. All conditions of an approved water right must be complied with, when in association with the drilling permit.
- C. Injection wells (domestic and non-domestic) will require Injection Well permits prior to issuance of the Drilling Permit.
- D. Monitoring wells require a well bore schematic and a map or plat showing the location of each well prior to issuance of Drilling Permits. All applications for Monitoring Well Blanket Permits must be submitted by a registered professional engineer or geologist.
- E. Public Water Supply Wells will require additional approval by Department of Environmental Quality.

IV. DRILLING PERMIT FEE STRUCTURE

The fee for Domestic Wells described in II.A. above is \$75.00.

The fee for Non-Domestic Wells described in II.B. above is \$200.00.

The fee for Monitoring Wells (See III.D. above) is \$75.00 per well; or \$100.00 for a blanket permit plus \$50.00 per well.

There is no fee for a permit to Abandon a Well. \$00.00. A separate form is available for abandonment.

Your application and fee may be submitted to one of the following offices:

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Idaho Department of Water Resources
2735 Airport Way
Boise, ID 83705-5082
Phone: (208) 334-2190

Northern Region

Idaho Department of Water Resources
1910 Northwest Blvd., STE 210
Coeur d'Alene, ID 83814-2815
Phone: (208) 768-1450

Eastern Region

Idaho Department of Water Resources
900 North Skyline Drive STE A
Idaho Falls, ID 83402-1718
Phone: (208) 628-7181

Southern Region

Idaho Department of Water Resources
1341 Fillmore Street, STE 200
Twin Falls, ID 83301-3380
Phone: (208) 736-3033

EXHIBIT D

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

RECEIVED

DEC 19 2007

IDWR/NOV

Office Use Only			
Well ID No.			
Inspected by			
Twp	Rge	Sec	
1/4	1/4	1/4	
Lat	Long		

1. WELL TAG NO. D 000 51889

DRILLING PERMIT NO. 846772

Water Right or Injection Well No. 85-15690

2. OWNER

Name TAMMANY VIEW, LLC

Address PO BOX 358

City GRANGEVILLE

State ID

Zip 83530

3. LOCATION OF WELL by legal description:

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

Twp. 34 North ☒ or South ☐
Rge. 04 East ☐ or West ☒
Sec. 7 1/4 SE 1/4 SE 1/4

Gov'l Lot -- County NEZPERCE

Lat: -- Long: --
Address of Well Site TAMMANY VIEW SUBDIVISION PHASE III #2

City LEWISTON

Blk. -- Sub. Name TAMMANY VIEW

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 Material	From	To	Weight / Volume	Seal Placement Method
BENTONITE	0	-98	400	400
				TOP POUR

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) -98

Was drive shoe seal tested? ☒ Y ☐ N How? AIR

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+2	-98	.250	Steel	☒	☐	☒	☐
6"	-30	900	.188	Steel	☐	☒	☐	☐

Length of Headpipe N/A Length of Tailpipe N/A

Packer ☐ Y ☒ N Type

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method SAW

Screen Type & Method of Installation N/A

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
890	930	1/8X4	42	6"	STEEL	☐	☒

10. FILTER PACK

Filter Material	From	To	Weight/Volume	Placement Method
N/A				

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

800 ft. below ground Artesian pressure -- lb.

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

TOP OF CASING

12. WELL TESTS:

Yield gal./min.	Drawdown	Pumping Level	Time
60			1.5

Water Temp. 55

Bottom hole temp.

Water Quality test or comments: GOOD

Depth first Water Encounter 860

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water
12	0	18	CLAY	X
12	18	56	BLACK BASALT	X
12	56	98	HARD BLACK BASALT	X
12	98	130	SOFT BROWN GREEN BASALT	X
12	130	145	HARD BLACK BASALT	X
8	145	185	HARD GRAY BASALT	X
8	185	198	SOFT RED BASALT	X
8	198	205	SOFT BLACK BASALT	X
8	205	250	SOFT RED BROWN BASALT	X
8	250	280	SOFT RED BASALT	X
8	280	305	MEDIUM BLACK BASALT	X
8	305	344	SOFT BROWN RED BASALT	X
8	344	390	SOFTER BROWN RED BASALT	X
8	390	415	MEDIUM RED BASALT	X
8	415	440	MEDIUM BLACK BASALT	X
8	440	505	SOFT BROWN BASALT	X
8	505	528	HARD GRAY BASALT	X
8	528	540	SOFT RED BASALT (AIR LOSS)	X
8	540	605	SOFT RED BASALT - YELLOW SHALE MIX	X
8	605	620	SOFT RED & BLACK BASALT	X
8	620	680	HARD BLACK BASALT	X
8	680	690	MEDIUM BLACK BASALT	X
8	690	715	HARD BLACK BASALT	X
8	715	748	SOFT RED BASALT	X
8	748	783	SOFT RED BASALT	X
8	783	789	MEDIUM RED BASALT	X
8	789	860	HARD BLACK BASALT	X
8	860	930	SOFT BLACK & GREEN GASALT	X

Completed Depth 930

(Measurable)

Date: Started 5-16-07

Completed 5/21/07

14. DRILLER'S CERTIFICATION

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

Company Name TWO U DRILLING, LLC

Firm No. 125

Principal Driller TU Date 2-2-11-07

Driller or Operator II BU Date 12-1-07

Operator I Date

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

FORWARD COPY TO WATER RESOURCES

Form provided by Forms On-A-Disk (214) 340-8428 www.FormsOnADisk.com

34N 4W 7

Form 238-7 IDAHO DEPARTMENT OF WATER RESOURCES
6/02 WELL DRILLER'S REPORT

RECEIVED

JUL 13 2007

IDWR/North

Office Use Only			
Well ID No.			
Inspected by			
Twp	Rge	Sec	
1/4	1/4	1/4	
Lat:	Long:		

1. WELL TAG NO. D D00 51998

DRILLING PERMIT NO. 848771

Water Right or Injection Well No. 85-15890

2. OWNER

Name TAMMANY VIEW, LLC

Address PO BOX 358

City ORANGEVILLE

State ID

Zip 83530

3. LOCATION OF WELL by legal description:

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

Twp. 34 North ☒ or South ☐
 Rge. 04 East ☐ or West ☒
 Sec. 7 1/4 SE 1/4 SE 1/4

Gov't Lot -- County NEZPERCE

Let: : : Long: : :

Address of Well Site TAMMANY VIEW SUBDIVISION PHASE III #1

City LEWISTON

Name of owner of land or estate in fee or leasehold

L. 1 Blk. -- Sub. Name TAMMANY VIEW

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 Material	From	To	Weight / Volume	Seal Placement Method
BENTONITE	0	-98	400	400
				TOP POUR

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) -98Was drive shoe seal tested? ☒ Y ☐ N How? AIR

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+2	-98	.250	Steel	☒	☐	☒	☐
6"	-30	800	.188	Steel	☐	☒	☐	☐

Length of Headpipe N/A

Length of Tailpipe N/A

Packer ☐ Y ☒ N Type

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method SAW

Screen Type & Method of installation N/A

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
890	930	1/8X4	42	6"	STEEL	☐	☒

10. FILTER PACK

Filter Material	From	To	Weight/Volume	Placement Method
N/A				

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

800 ft. below ground Artesian pressure -- lb.

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

TOP OF CASING

12. WELL TESTS:

Yield gal./min.	Drawdown	Pumping Level	Time
80			1.5

Water Temp. 55

Bottom hole temp.

Water Quality test or comments: GOOD

Depth first Water Encounter 860

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water
12	0	18	CLAY	X
12	18	56	BLACK BASALT	X
12	56	96	HARD BLACK BASALT	X
12	96	130	SOFT BROWN GREEN BASALT	X
12	130	145	HARD BLACK BASALT	X
8	145	185	HARD GRAY BASALT	X
8	185	198	SOFT RED BASALT	X
8	198	205	SOFT BLACK BASALT	X
8	205	250	SOFT RED BROWN BASALT	X
8	250	280	SOFT RED BASALT	X
8	280	305	MEDIUM BLACK BASALT	X
8	305	344	SOFT BROWN RED BASALT	X
8	344	390	SOFTER BROWN RED BASALT	X
8	390	415	MEDIUM RED BASALT	X
8	415	440	MEDIUM BLACK BASALT	X
8	440	505	SOFT BROWN BASALT	X
8	505	529	HARD GRAY BASALT	X
8	529	540	SOFT RED BASALT (AIR LOSS)	X
8	540	605	SOFT RED BASALT - YELLOW SHALE MIX	X
8	605	620	SOFT RED & BLACK BASALT	X
8	620	680	HARD BLACK BASALT	X
8	680	690	MEDIUM BLACK BASALT	X
8	690	715	HARD BLACK BASALT	X
8	715	746	SOFT RED BASALT	X
8	746	783	SOFT RED BASALT	X
8	783	789	MEDIUM RED BASALT	X
8	789	860	HARD BLACK BASALT	X
8	860	930	SOFT BLACK & GREEN GASALT	X

Completed Depth 930

(Measurable)

Date: Started 5-16-07

Completed 5/21/07

14. DRILLER'S CERTIFICATION

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

Company Name TWO U DRILLING, LLC

Firm No. 125

Principal Driller

TU

Date

12-11-07

and

Driller or Operator II

BU

Date

12-11-07

Operator I

Date

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

FORWARD COPY TO WATER RESOURCES

Form provided by Forms On-A-Disk (214) 348-9129 www.FormsOnADisk.com

34N 4W 7

EXHIBIT E

State of Idaho
Department of Water Resources
Permit to Appropriate Water
NO. 85-15690

Priority: March 09, 2007

Maximum Diversion Rate: 0.20 CFS

This is to certify, that TAMMANY VIEW LLC
PO BOX 356
GRANGEVILLE ID 83530

has applied for a permit to appropriate water from:

Source: GROUND WATER

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

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>
MUNICIPAL	01/01 to 12/31	0.20 CFS

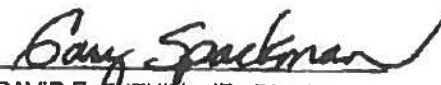
LOCATION OF POINTS OF DIVERSION:

GROUND WATER	SE¼ SE¼ Sec. 7, Twp 34N, Rge 04W, B.M.	NEZ PERCE County
GROUND WATER	SE¼ SE¼ Sec. 7, Twp 34N, Rge 04W, B.M.	NEZ PERCE County

CONDITIONS OF APPROVAL

1. Proof of application of water to beneficial use shall be submitted on or before June 01, 2011.
2. Subject to all prior water rights.
3. Right holder shall comply with the drilling permit requirements of Section 42-236, Idaho Code and applicable Well Construction Rules of the Department.
4. Points of diversion are located within Lot 1, Blk. C, Tammany View Subdivision, Phase 3.
5. Place of use is within the area served by the public water supply system of Tammany View, LLC. The place of use is generally located within Sections 7 and 18, Township 34N, Range 4W.
6. A map depicting the place of use boundary for this water right at the time of this approval is attached to this document for illustration purposes.
7. Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which the permit holder had no control.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code. Witness the signature of the Director, affixed at Boise, this 15th day of June, 2007.

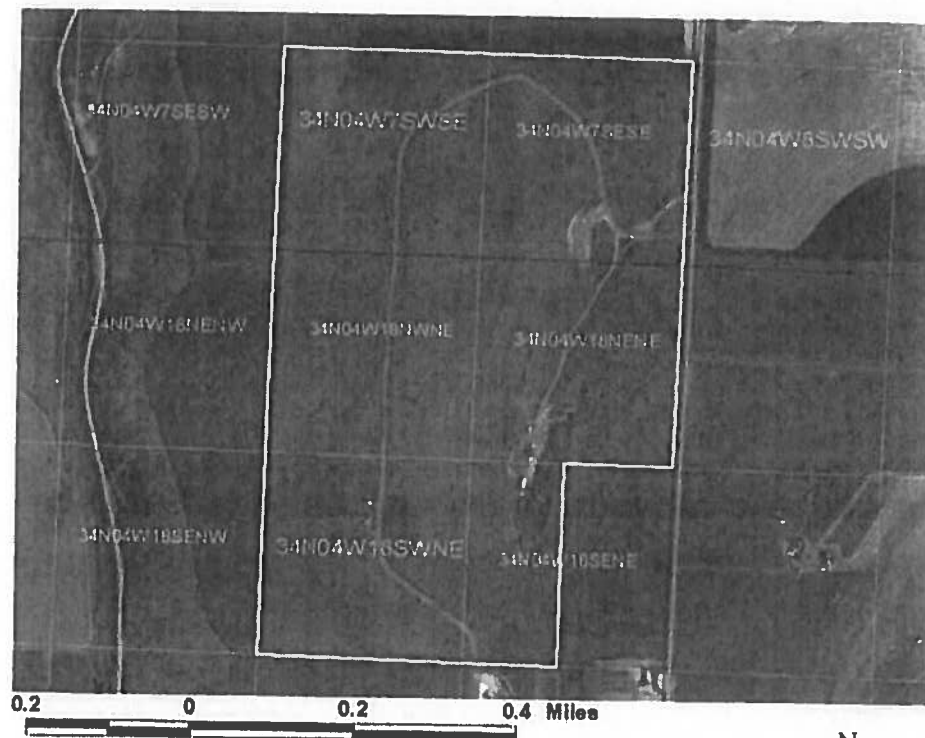

DAVID R. LUTHILL, JR., Director

State of Idaho
Department of Water Resources
Permit to Appropriate Water

NO. 85-15690

Digital Boundary for Tammany View, LLC.

June 15, 2007



Digital boundary - tammany view, llc.shp
Sections
QQ

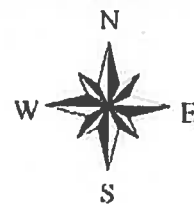


EXHIBIT F

W W Engineering
3435 Clemans Road
Clarkston, Washington 99403

Warren Watts
Consulting Engineer

Phone: (509) 243-4003
Fax: (509) 243-4004

RECEIVED

October 6, 2007

NOV 20 2007

ID DEQ - LRO

Thomas J. Moore, P.E.
Regional Engineering Manager
State of Idaho
Department of Environmental Quality
1118 F Street
Lewiston, ID 83501

**RE: Records #2220.03 Tammany View Phase III
Water System
SUBJECT: Well Capacity Testing**

Dear Mr. Moore:

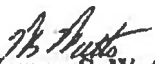
On July 12, 2007 I supervised the pump testing for Well No. 1 and on August 14, 2007 I also supervised the pump testing for Well No. 2.

Each pump test was performed for 6 continuous hours as shown on enclosed reports. Six hours was selected over 24 hours when it became obvious that no drawn down would occur with pumps operating at maximum capacity at a continuous flow of 53+ gpm which is over 150% of the minimum average daily pumping requirement of 31.6 gpm.

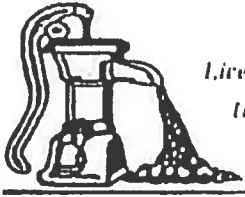
I certify that attached summary reports are accurate measurements of pumping flows and supportive data.

These tests were performed in accordance to IDAPA 58.01.08-06.

Respectfully,


Warren S. Watts, P.E.





Licensed & Bonded
In the State of
Idaho

P & R PUMP

P & R PUMP SERVICE
P.O. BOX 56 (hwy 95 N)
FENN, ID 83531-0055
208-983-7867

WE NOT ONLY FEATURE (G) GOULDS PUMPS WE'RE YOUR # ONE (G) GOULDS PUMP DEALER IN THE AREA

ATTENTION:

WARREN WATTS

WW Engineering/Progressive Engineering Group, Inc.
1208 Idaho Street
Lewiston, Idaho 83501
208-746-5406

RE: WELL #2 AT TAMMANY VIEW SUB-DIVISION PHASE III

- a.) The pump, pipe, wire, pitless and everything that went into the well was cleaned and disinfected with a 500 ppm chlorine solution
- b.) The well was tested with an 1/4" air line for well level measurements
- c.) The well was tested for six (6) hours. Well test is attached.
- d.) The Pathologists' reports are attached

2220-05
3132

P & R PUMP SERVICE
P.O. BOX 55
FENN, IDAHO 83531-0055
(208)983-7867

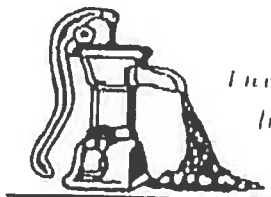
August 14, 2007

TAMMANY VIEW SUB-DIVISION
PHASE III

WELL FLOW TEST
WELL # 2

TIME	PUMPING LEVEL	AMPERAGE	FLOW METER READING	GALS PUMPED	GPM
9:45			19733.35		
9:50	792'	27	20000.00	266.65	53.33
9:55	792'	27	20266.65	266.65	53.33
10:00	792'	27	20533.30	266.65	53.33
10:05	792'	27	20799.95	266.65	53.33
10:10	792'	27	21066.60	266.65	53.33
10:15	792'	27	21333.25	266.65	53.33
10:20	792'	27	21599.90	266.65	53.33
10:35	792'	27	22399.85	799.95	53.33
10:50	792'	27	23199.80	799.95	53.33
11:05	792'	27	23999.75	799.95	53.33
11:20	792'	27	24799.70	799.95	53.33
11:35	792'	27	25599.65	799.95	53.33
11:50	792'	27	26399.60	799.95	53.33
12:05	792'	27	27199.55	799.95	53.33
12:20	792'	27	27999.50	799.95	53.33
12:35	792'	27	28799.45	799.95	53.33
12:50	792'	27	29599.40	799.95	53.33
1:05	792'	27	30399.35	799.95	53.33
1:20	792'	27	31199.30	799.95	53.33
1:35	792'	27	31999.25	799.95	53.33
1:50	792'	27	32799.20	799.95	53.33
2:05	792'	27	33599.15	799.95	53.33
2:20	792'	27	34399.10	799.95	53.33
2:35	792'	27	35199.05	799.95	53.33
2:50	792'	27	35999.05	799.95	53.33
3:05	792'	27	36798.95	799.95	53.33
3:20	792'	27	37598.90	799.95	53.33
3:35	792'	27	38398.85	799.95	53.33
3:50	792'	27	39198.80	799.95	53.33
4:05	792'	27	39998.75	799.95	53.33

4:15 STATIC WATER LEVEL STAYED SAME
4:25 STATIC WATER LEVEL STAYED SAME
4:35 STATIC WATER LEVEL STAYED SAME
4:35 STABILIZED AT 792'



Licensed & Bonded
In the State of
Idaho

P & R PUMP

P & R PUMP SERVICE
P.O. BOX 55 (hwy 95 N)
FERN, ID 83631-0055
208-983-7867

WE NOT ONLY FEATURE (G) GOULDS PUMPS WE'RE YOUR # ONE (G) GOULDS PUMP DEALER IN THE AREA

Herb Blewett
35627 Pheasant Loop Rd
Lewiston, Idaho 83501
208-743-0318

"TAMMANY VIEW SUB-DIVISION"

PHASE III

WELL # 2

September 4, 2007

TO WHOM IT MAY CONCERN:

When Well # 2 on Phase III was tested it indicated no measurable draw down. The static water level was 792feet.

The testing was done with a 20HP 460V Pump, which pumped 53.33 gals per minute for 6 hours +.

I will certify that the well, at this time is producing over 50 gals per minute.

Sincerely,

E. PAUL EATON

September 4, 2007

INSTRUCTIONS REVERSE SIDE

Water System Name: Phase 3 PWS ID No. 85-15690
Tammany Subdivision
 Collector: Eaton Date Collected: Aug 4 07 County: Nez Perce
 Person transporting Sample to Lab: E. Paul Eaton
 Condition of Transport: Cooled ☒ Carrier ☐ Mail ☐ Other ☐
 Report Results To: Name E. Paul Eaton
 Address PO Box 55
 City Fenn State Id Zip Code 83531
 Phone Number 208-983-7867

Pathologists' Regional Laboratory
 415 6th Street Lewiston, ID 83501
 Phone: (208) 746-0516 (800) 443-5186 Fax: (208) 746-4989

EPA ID# ID00960

COLIFORM BACTERIA ANALYSIS REPORT CONTAMINANT ID# 3100

Payment

☒ Public Drinking Water System
 Compliance Sample? ☒ Yes ☐ No
☐ Private Drinking Water

☐ Bill Public Water System
☒ Prepaid
 (Required for private water)
 Receipt # 6646

Shaded areas must be fully filled out or samples will not be run. Private samples need not have PWS#'s or Chlorine residual. Clear areas are for lab use only.

Your sample will be analyzed for Total Coliforms unless you specify another analysis under Remarks. For PWS only, if this is a repeat sample, mark the date of the ORIGINAL POSITIVE SAMPLE.

RESULTS

LABORATORY Sample Number (LAB USE ONLY)	Sample Type Code	Sample Location	Time Collected	Chlorine Residual PPM	Original Sample Date	TOTAL COLIFORMS		ESCHERICHIA COLI	
						Method Code	(P)resent (A)bsent	Method Code	(P)resent (A)bsent
14570997	S	Well head #2	1100am			SM9223B-PA	A	SM9223B-PA	A
						SM9223B-PA		SM9223B-PA	
						SM9223B-PA		SM9223B-PA	
						SM9223B-PA		SM9223B-PA	
						SM9223B-PA		SM9223B-PA	
						SM9223B-PA		SM9223B-PA	

Sample Type Codes: S - Routine Sample, P - Repeat Sample (At original tap), U - Upstream Repeat, D - Downstream Repeat, E - Enforcement (Chain of Custody Required), X Other Repeat, W - Untreated (source), C - Construction/Special

Chain of Custody Information

Relinquished by: <u>E. P. Eaton</u>	Date: <u>8-14-07</u>	Time: <u>2:30</u>	Received by: <u>D. Cook</u>	Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:

Date/Time Received 08/14/07 11:30
 Date/Time Analyzed 8-15-07 11:00
 Date Reviewed _____

Analyst JL
 Supervisor _____

Remarks Copy to Client

TAMMANY VIEW
PUMP TEST
WELL #1

P & R PUMP SERVICE
P.O. BOX 55
FENN, IDAHO 83531-0055
(208)983-7867

July 12, 2007

WELL FLOW TEST

TAMMANY VIEW SUB-DIVISION
PHASE III

TIME	PUMPING LEVEL	AMPERAGE	FLOW METER READING	GALS PUMPED	GPM
9:20			305		
9:25	800'	27	571.65	266.65	53.33
9:30	800'	27	838.30	266.65	53.33
9:35	800'	27	1104.95	266.65	53.33
9:40	800'	27	1371.60	266.65	53.33
9:45	800'	27	1638.25	266.65	53.33
9:50	800'	27	1904.90	266.65	53.33
10:05	800'	27	2704.85	799.95	53.33
10:20	800'	27	3504.80	799.95	53.33
10:35	800'	27	4304.75	799.95	53.33
10:50	800'	27	5104.70	799.95	53.33
11:05	800'	27	5904.65	799.95	53.33
11:20	800'	27	6704.60	799.95	53.33
11:35	800'	27	7504.55	799.95	53.33
11:50	800'	27	8304.50	799.95	53.33
12:05	800'	27	9104.45	799.95	53.33
12:20	800'	27	9904.45	799.95	53.33
12:35	800'	27	10704.35	799.95	53.33
12:50	800'	27	11504.30	799.95	53.33
1:05	800'	27	12304.25	799.95	53.33
1:20	800'	27	13104.20	799.95	53.33
1:35	800'	27	13904.15	799.95	53.33
1:50	800'	27	14704.10	799.95	53.33
2:05	800'	27	15504.05	799.95	53.33
2:20	800'	27	16304.00	799.95	53.33
2:35	800'	27	17103.95	799.95	53.33
2:50	800'	27	17903.90	799.95	53.33
3:05	800'	27	18703.85	799.95	53.33
3:20	800'	27	19503.80	799.95	53.33
3:30	STATIC WATER LEVEL STAYED SAME				
3:40	STATIC WATER LEVEL STAYED SAME				
3:50	STATIC WATER LEVEL STAYED SAME				
3:50	STABILIZED AT 800'				

P & R PUMP SERVICE
P.O. BOX 55
FENN, IDAHO 83531-0055
(208) 983-7867

ATTENTION: WARREN WATTS
WW Engineering/Progressive Engineering Group, Inc.
1208 Idaho Street
Lewiston, Idaho 83501
208-746-5406

RE: WELL #1 AT TAMMANY VIEW SUB-DIVISION PHASE III

- a.) The pump, pipe, wire, pitless and everything that went into the well was cleaned and disinfected with a 500 ppm chlorine solution
- b.) The well was tested with an 1/4" air line for well level measurements
- c.) The well was tested for six (6) hours. Well test is attached.
- d.) The chemical analysis samples were delivered to Anatek Lab.
The results are attached.

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9248 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

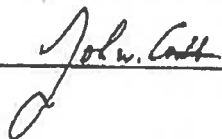
REPORT TO: P&R PUMP SERVICE
PAUL EATON
P.O. BOX 55
FENN, ID 83531

Water Quality Report - Inorganic Contaminants

Sample Number	070713018-001	Sampling Date	7/12/2007	Date/Time Received	7/12/2007 5:15 PM	
Analyte	Result	Units	PQL	MCL	Analysis Date	Analyst
Alkalinity	104	mg/L	1		7/25/2007	JTT
Arsenic	0.00198	mg/L	0.001	0.01	7/18/2007	RAS
Barium	0.0230	mg/L	0.001	2	7/18/2007	RAS
Cadmium	ND	mg/L	0.001	0.005	7/18/2007	RAS
Chloride	4.30	mg/L	0.1	250	7/13/2007	JTT
Chromium	0.00269	mg/L	0.001	0.1	7/18/2007	RAS
TDS	181.85	mg/L			7/25/2007	JTT
Copper	0.00101	mg/L	0.001		7/18/2007	RAS
Fluoride	0.328	mg/L	0.1	4	7/13/2007	JTT
Calcium	20.1	mg/L	0.1		7/24/2007	ETL
Hardness	82.7	mg/L	1		7/24/2007	ETL
Magnesium	7.89	mg/L	0.1		7/24/2007	ETL
Iron	0.512	mg/L	0.01	0.3	7/18/2007	RAS
Lead	ND	mg/L	0.001	0.015	7/18/2007	RAS
Magnesium	7.89	mg/L	0.1		7/24/2007	ETL
Manganese	0.0320	mg/L	0.001	0.05	7/18/2007	RAS
Mercury-lcpms	ND	mg/L	0.0001	0.002	7/18/2007	RAS
Nickel	ND	mg/L	0.001		7/18/2007	RAS
NO3/N	0.238	mg/L	0.1	10	7/13/2007	JTT
NO2/N	0.191	mg/L	0.1	1	7/13/2007	JTT
pH	7.49				7/25/2007	JTT
Potassium	5.07	mg/L	0.1		7/24/2007	ETL
Selenium	0.00265	mg/L	0.001	0.05	7/18/2007	RAS
Silver	ND	mg/L	0.001	0.1	7/18/2007	RAS
Sodium	18.2	mg/L	0.01		7/24/2007	ETL
Sulfate	14.9	mg/L	0.1	250	7/13/2007	JTT
Zinc	0.121	mg/L	0.001	5	7/18/2007	RAS

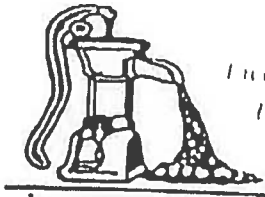
SAMPLING LOCATION: TAMMANY CREEK SUBDIVISION PHASE III

Authorized Signature



MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

Note This report is for non-public water systems only and may not be used for compliance.



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in the State of
Idaho

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P & R PUMP SERVICE
P.O. BOX 55 (hwy 95 N,
FENN, ID 83531-0055
208-983-7867

WE NOT ONLY FEATURE GOULDS PUMPS WE'RE YOUR # ONE GOULDS PUMP DEALER IN THE AREA

Herb Blewett
35627 Pheasant Loop Road
Lewiston, Idaho 83501
208-743-0318

"TAMMANY VIEW SUB-DIVISION"

PHASE III

"WELL # 1"

August 8, 2007

TO WHOM IT MAY CONCERN:

When Well # 1 on Phase III was tested it indicated no measurable draw down. The static water level was 800 feet.

The testing was done with a 20HP 460V Pump, which pumped 53.33 gals per minute for 6 hours +.

I will certify that the well, at this time is producing over 50gals per minute.

Sincerely,

E. PAUL EATON

August 8, 2007

EXHIBIT G

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

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

A. GENERAL INFORMATIONPermit No. 85-15890

1. Owner Tammany View LLC, c/o Donald Blewett Phone No. 208-983-2933
Current address P.O. Box 356, Grangeville, ID 83530
2. Examiner's name Terry Scanlan, P.E., P.G., CWRE #129 EXAM DATE May 31, 2016
3. Accompanied by Don Blewett Email drblewett@hotmail.com
Address P.O. Box 356, Grangeville, ID 83530
Relationship to permit holder member, Tammany View LLC Phone No. 208-983-2933
4. Source ground water tributary to NA

B. OVERLAP REVIEW

1. Other water rights with the same place of use none
2. Other water rights with the same source and point of diversion none

C. DIVERSION AND DELIVERY SYSTEM

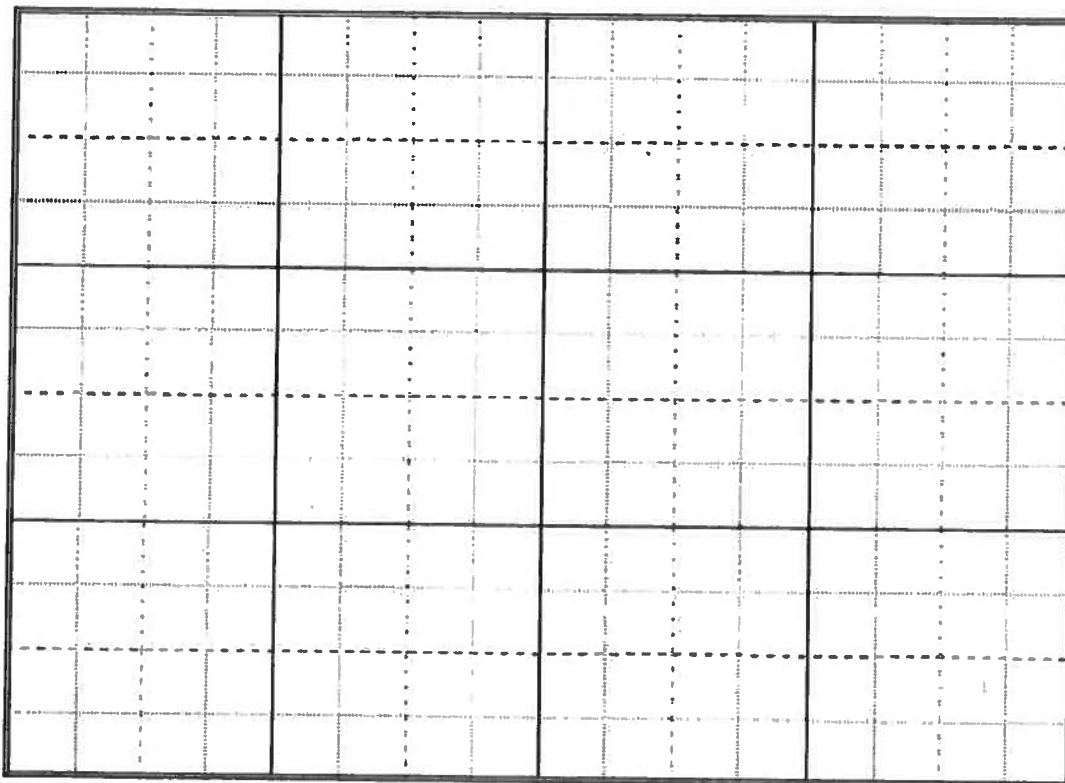
1. Point(s) of Diversion:

Ident. No.	Gov't Lot	¼	¼	¼	Sec	Twp	Rge	County	Method of Determination/Remarks
1			SE	SE	7	34N	4W	Nez Perce	Aerial Photography, GIS
2			SE	SE	7	34N	4W	Nez Perce	Aerial Photography, GIS

2. Place(s) of Use: Method of determination _____

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
34N	4W	7															M	M	
		18	M	M	M	M													

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



Scale: 1" = _____

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

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
1 (north)	unknown	20	submersible	Goulds 45J20	2" at pump, 4" piping
2 (south)	unknown	20	submersible	Goulds 45J20	2" at pump, 4" piping

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Flow Meter North	Turbine	Neptune	HP	70211436	4"	11/05/08
Flow Meter South	Turbine	Neptune	HP	70211437	4"	11/05/08 (assumed)

2. **Measurements:** _____

Flow rates from each well were measured individually using the installed north and south flow meters at 41.4 and 33.1 gpm at 140 and 138 psi discharge pressure, respectively. When both wells were pumped together, the two wells produced 73 gpm at 143 psi. Flow meter calibration was checked and found to be accurate within 5 percent overall.

E. NARRATIVE/REMARKS/COMMENTS

Two wells supply a domestic water system serving 38 stubbed-in lots in Phase 3 of Tammany View III Subdivision. Lots served by the system include: Lots 1-18, Block A, Lots 1-15, Block B, and Lots 1-5, Block C.

Water from the wells is pumped through a well house equipped with flow meters, valves, and motor controls, and then to a 59,500-gallon storage tank through 4-inch PVC water main. Taps along the water main serve individual homes. The wells are each 930 feet deep and equipped with identical 20-hp submersible pumps. At the time of the field examination, no homes have been constructed but all water system components were installed and operable except for the booster pump system to serve approximately 15 high elevation lots. Water is currently delivered to these lots from the water system, but at pressure less than 40 psi required under IDEQ rules. Flow rates were measured from wells using installed turbine flow meters in "like new" condition.

Well pumps are to be controlled using a float switch in the tank. Wiring from the tank to the well house is installed, but the float switch was not hooked up at the time of the field exam. Pumps were operated in hand mode for the exam. Storage tank was nearly full based on float indicator, and water lines were under pressure at booster pump station and at an observed tap along the delivery pipe. Water flow into the tank was audible.

Additional information is provided in the following attachments.

Attachment A - Permit to appropriate Water

Attachment B - Statement of Completion for Submitting Proof of Beneficial Use

Attachment C - Statement of Reasonable Cause for Filing Late Proof of Beneficial Use

Attachment D - Water System Schematic and Water System Plans

Attachment E - Well Driller's Reports

Attachment F - Pump Performance Curve

Attachment G - USGS Topographic Map and Aerial Photography of Service Area and Well Locations

Attachment H - Beneficial Field Examination Photos

Attachment I - Summary of Flow Rate Measurements

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

Proof of beneficial use was not submitted by the June 1, 2011 proof date and the permit subsequently lapsed.

However, water system components (wells, well pumps, well house, buried piping, and storage tank) were installed in 2007 and 2008, prior to the proof date. To reinstate the permit, this Beneficial Use Field Exam, Statement of Completion of Beneficial Use, Statement of Reasonable Cause for Filing Late Proof of Beneficial Use, and a \$250 reinstatement application fee are provided pursuant to Section 42-218a(2), Idaho Code.

F. FLOW CALCULATIONS☒ Additional computation sheets attached

Measured Method:

Flow Meters - 73 gpm = 0.16 cfs

Theoretical flow rate based on pump curves is 41 gpm per pump, and 82 gpm combined total, based on TDH of 1162 feet (792-foot pumping water level, 143 psi discharge pressure, and 40 feet friction loss)

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

2. Volume Calculations for Other Uses:

38 stubbed-in lots x 1.2 af/lot (standard for domestic uses) = 45.6 af

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion	Annual Volume
	From	To	Q (cfs)	V (afa)
municipal	1/1	12/31	0.16	45.6
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
Totals:			0.16 cfs	45.6 afa

2. Recommended Amendments

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

Field Examiner's Signature _____ Date _____

SEAL

Reviewer _____ Date _____

Attachment A
Permit to Appropriate Water

State of Idaho
Department of Water Resources
Permit to Appropriate Water

NO. 85-15690

Priority: March 09, 2007

Maximum Diversion Rate: 0.20 CFS

This is to certify, that TAMMANY VIEW LLC
PO BOX 356
GRANGEVILLE ID 83530

has applied for a permit to appropriate water from:

Source: GROUND WATER

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

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>RATE OF DIVERSION</u>
MUNICIPAL	01/01 to 12/31	0.20 CFS

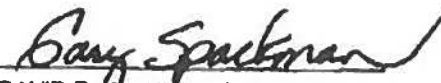
LOCATION OF POINTS OF DIVERSION:

GROUND WATER	SE¼ SE¼ Sec. 7, Twp 34N, Rge 04W, B.M.	NEZ PERCE County
GROUND WATER	SE¼ SE¼ Sec. 7, Twp 34N, Rge 04W, B.M.	NEZ PERCE County

CONDITIONS OF APPROVAL

1. Proof of application of water to beneficial use shall be submitted on or before June 01, 2011.
2. Subject to all prior water rights.
3. Right holder shall comply with the drilling permit requirements of Section 42-236, Idaho Code and applicable Well Construction Rules of the Department.
4. Points of diversion are located within Lot 1, Blk. C, Tammany View Subdivision, Phase 3.
5. Place of use is within the area served by the public water supply system of Tammany View, LLC. The place of use is generally located within Sections 7 and 18, Township 34N, Range 4W.
6. A map depicting the place of use boundary for this water right at the time of this approval is attached to this document for illustration purposes.
7. Project construction shall commence within one year from the date of permit issuance and shall proceed diligently to completion unless it can be shown to the satisfaction of the Director of the Department of Water Resources that delays were due to circumstances over which the permit holder had no control.

This permit is issued pursuant to the provisions of Section 42-204, Idaho Code. Witness the signature of the Director, affixed at Boise, this 15th day of June, 2011.


DAVID R. GUTHILL, JR., Director

State of Idaho
Department of Water Resources
Permit to Appropriate Water

NO. 85-15690

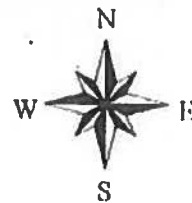
Digital Boundary for Tammany View, LLC.

June 15, 2007



0.2 0 0.2 0.4 Miles

Digital boundary - tammany view, llc.shp
Sections
QQ

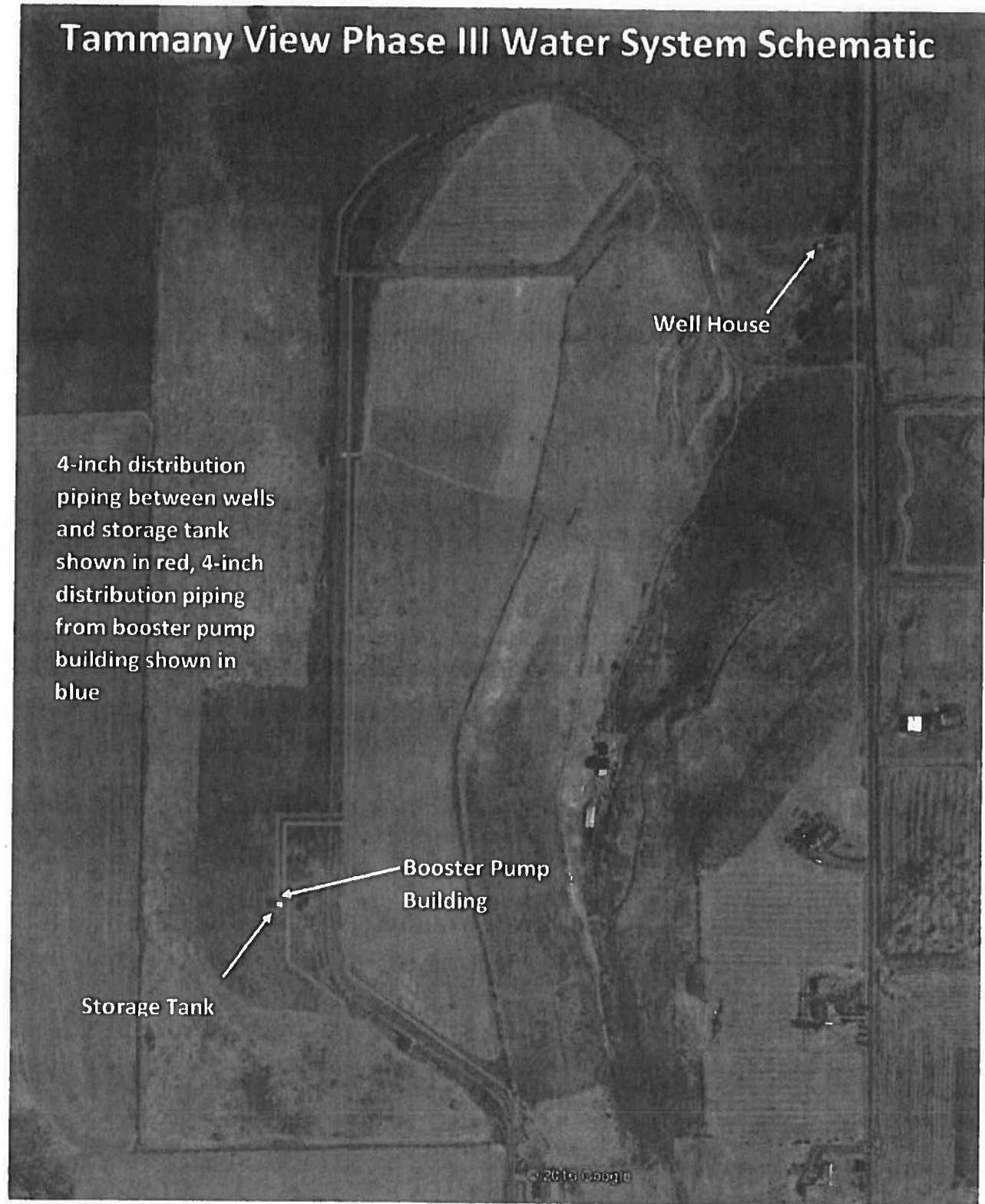


Attachment B
Statement of Completion for Submitting
Proof of Beneficial Use

Attachment C
Statement of Reasonable Cause for
Filing Late Proof of Beneficial Use

Attachment D
Water System Schematic and Water System Plans

Tammany View Phase III Water System Schematic



DEQ

REC'D
4/28/08
2220

TAMMANY VIEW PROPERTIES

PHASE III WATER SYSTEM

TAMMANY VIEW LLC

GRANGEVILLE, IDAHO 83530



STATE OF IDAHO



NEZ PERCE COUNTY

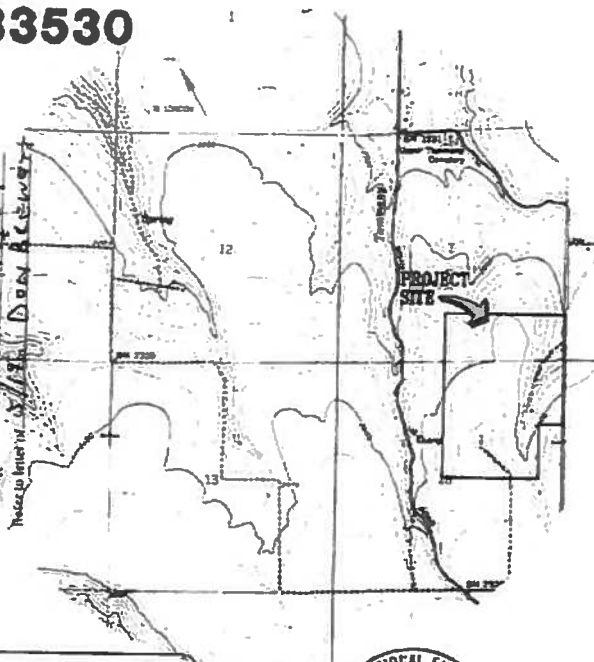
LOCATION MAP

PLANS & SPECIFICATIONS REVIEW

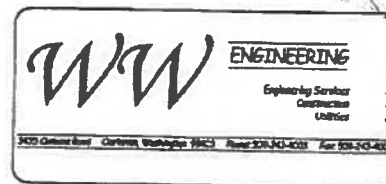
By Tom Moore Date 5/19/08

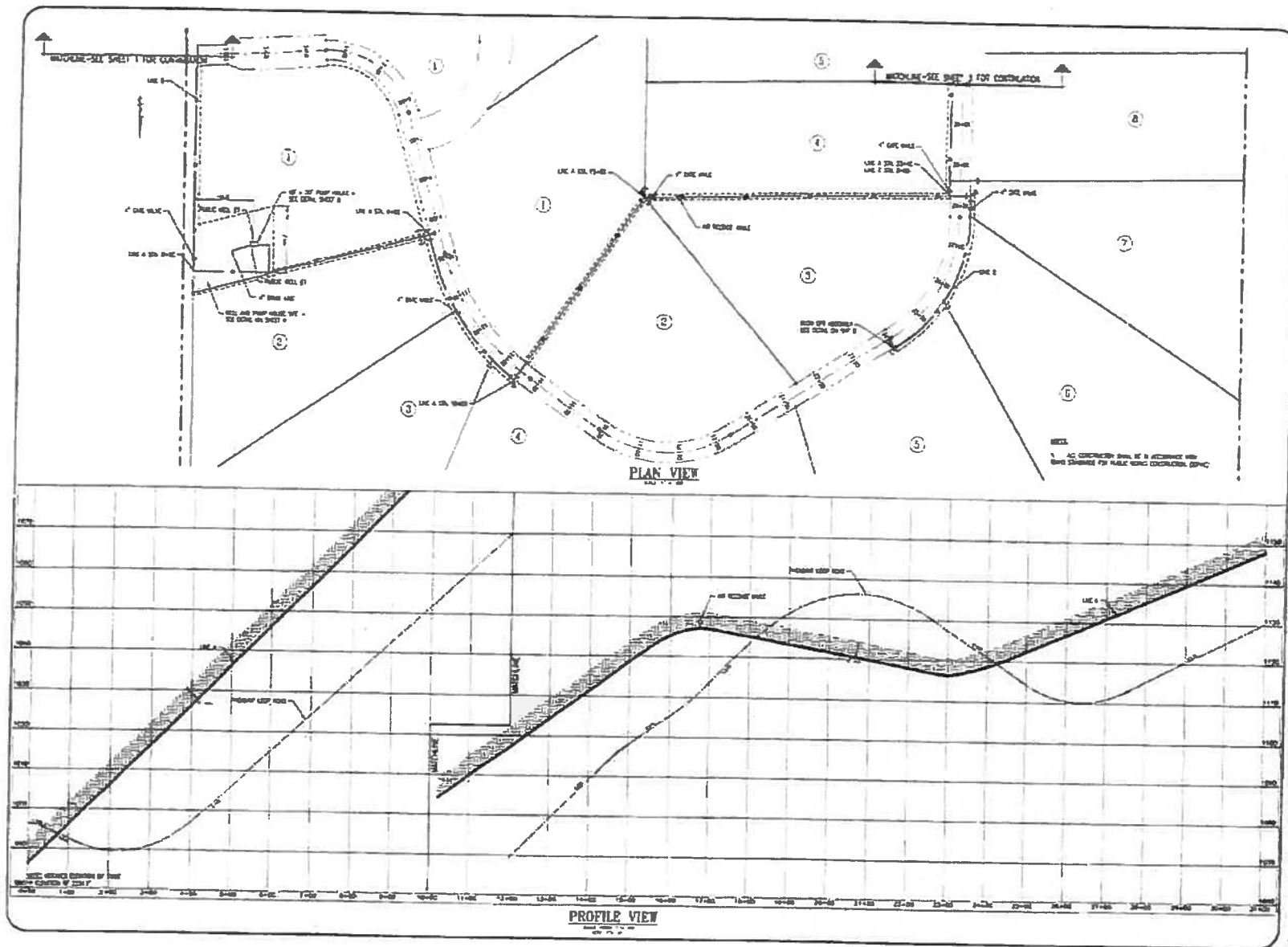
These plans and/or specifications have been reviewed for compliance with Idaho Dept. of Environmental Quality rules and are hereby approved. This review does not relieve the owner, engineer, or the contractor of their responsibility to design or construct these facilities in compliance with all current applicable federal, state and local laws, rules, regulations, or ordinances.

Plans and/or specifications are hereby recommended for review if construction is to be completed by 5/19/08.
Reviewed by Tom Moore



**PROGRESSIVE
ENGINEERING GROUP, INC**
PLANNING DESIGN CONSTRUCTION MANAGEMENT
1208 IDAHO STREET
LEWISTON, IDAHO 83501
PH (208) 746-5406 FAX (208) 746-9732





Project No.	
Sheet No.	
Scale	
Date	

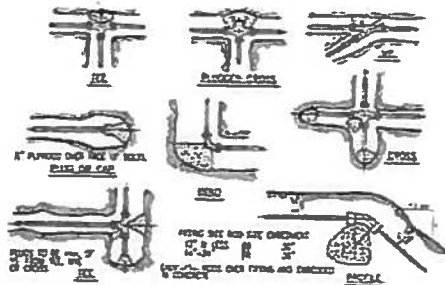


PROFESSIONAL ENGINEER
STATE OF IDAHO
No. 12345
Date: 12/31/2023

PROPOSED
TAMMANY VIEW PROPERTIES
PHASE III
TAMMANY VIEW LLC
GRANGEVILLE, ID 83600

PLAN & PROFILE DISTRIBUTION SYSTEM
TAMMANY VIEW PROPERTIES
PHASE III
TAMMANY VIEW LLC
GRANGEVILLE, ID 83600

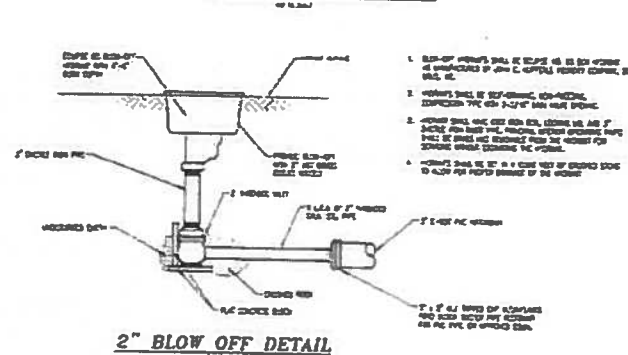
Drawn by	Checked by
Scale	Date
Sheet No.	Project No.
DEC 2 2023	



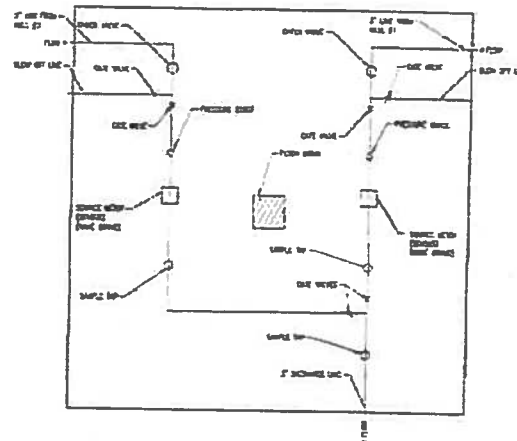
PIPE SIZE	MINIMUM AREA OF THROAT BLOCK IN SQ. FT.	MINIMUM AREA OF THROAT BLOCK IN SQ. FT.
4	1.0	1.0
6	1.5	1.5
8	2.0	2.0
10	2.5	2.5
12	3.0	3.0
14	3.5	3.5
16	4.0	4.0
18	4.5	4.5
20	5.0	5.0
22	5.5	5.5
24	6.0	6.0
26	6.5	6.5
28	7.0	7.0
30	7.5	7.5
32	8.0	8.0
34	8.5	8.5
36	9.0	9.0
38	9.5	9.5
40	10.0	10.0
42	10.5	10.5
44	11.0	11.0
46	11.5	11.5
48	12.0	12.0
50	12.5	12.5
52	13.0	13.0
54	13.5	13.5
56	14.0	14.0
58	14.5	14.5
60	15.0	15.0
62	15.5	15.5
64	16.0	16.0
66	16.5	16.5
68	17.0	17.0
70	17.5	17.5
72	18.0	18.0
74	18.5	18.5
76	19.0	19.0
78	19.5	19.5
80	20.0	20.0
82	20.5	20.5
84	21.0	21.0
86	21.5	21.5
88	22.0	22.0
90	22.5	22.5
92	23.0	23.0
94	23.5	23.5
96	24.0	24.0
98	24.5	24.5
100	25.0	25.0

1. BLOWING AREA SHALL BE TOP SURFACE OF 100 SALL & A SOL BLOWING AREA OF 200 SALL FOR 100 SALL TO AVOID FOR BLOWING AND PRESSURE & SOL BLOWING AREA. FOLLOWING TABLE BLOWING AREA (TOP SURFACE/CONCRETE/CONCRETE BLOWING AREA) SHALL BE:
2. CONCRETE BLOWING AREA SHALL BE PLACED AT LEAST 100 SALL FROM BLOWING AREA.
3. ALL BLOWING & PRESSURE SHALL BE PROVIDED FROM BLOWING AREA & CONCRETE & BLOWING AREA & 100 SALL OF PRESSURE (CONCRETE).
4. UNLESS NOTED OTHERWISE, BLOWING AREA SHALL BE PROVIDED WITH 100 SALL OF PRESSURE (CONCRETE).
5. BLOWING AREA & PRESSURE BLOWING AREA SHALL BE PROVIDED WITH 100 SALL OF PRESSURE (CONCRETE).
6. CONCRETE BLOWING AREA SHALL BE 100 SALL FROM BLOWING AREA.
7. CONCRETE BLOWING AREA SHALL BE 100 SALL FROM BLOWING AREA.
8. BLOWING AREA & PRESSURE BLOWING AREA SHALL BE PROVIDED WITH 100 SALL OF PRESSURE (CONCRETE).

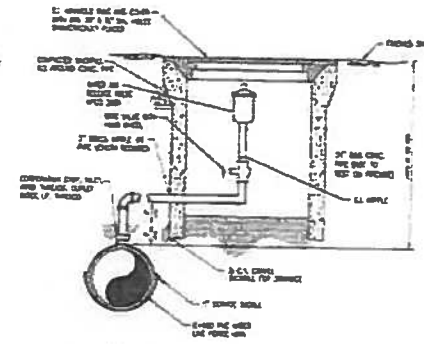
THRUST BLOCK DETAIL



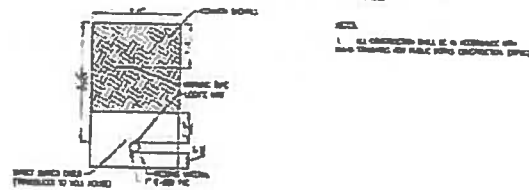
2" BLOW OFF DETAIL



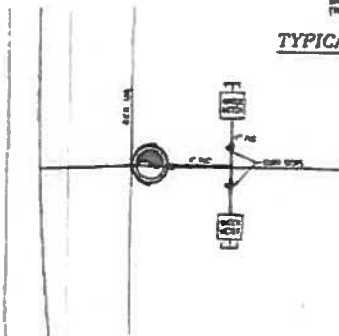
WELL HOUSE MECHANICAL SCHEMATIC PLAN



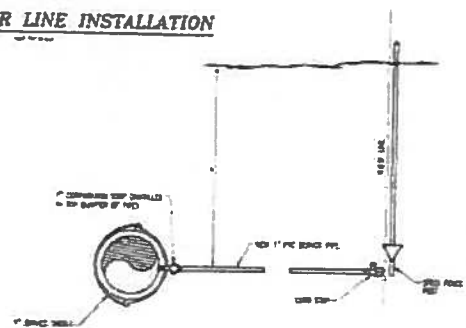
WATER AIR RELEASE VALVE



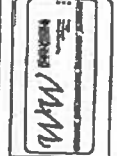
TYPICAL WATER LINE INSTALLATION



DOUBLE WATER SERVICE CONNECTION



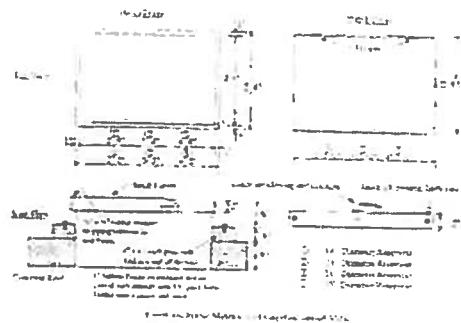
WATER SERVICE CONNECTION



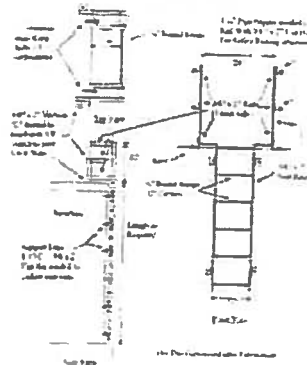
WELL HOUSE SCHEMATIC & GENERAL DETAILS
TAMMANY VIEW PROPERTIES
PHASE III
TAMMANY VIEW LLC
GRANVILLE, ID 83630

NO.	DATE	DESCRIPTION
1	10/1/18	ISSUED FOR PERMIT
2	10/1/18	ISSUED FOR PERMIT
3	10/1/18	ISSUED FOR PERMIT
4	10/1/18	ISSUED FOR PERMIT
5	10/1/18	ISSUED FOR PERMIT
6	10/1/18	ISSUED FOR PERMIT
7	10/1/18	ISSUED FOR PERMIT
8	10/1/18	ISSUED FOR PERMIT
9	10/1/18	ISSUED FOR PERMIT
10	10/1/18	ISSUED FOR PERMIT

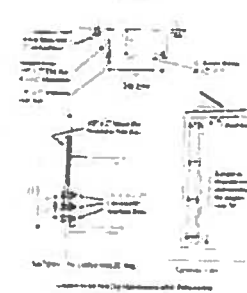
Ferry Hatch Details



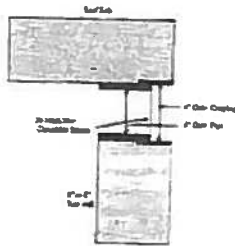
Outside Ladder Details



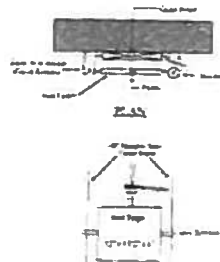
Inside Ladder Details



Overflow Detail



Tunnel Detail



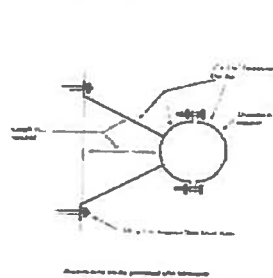
Overflow Detail



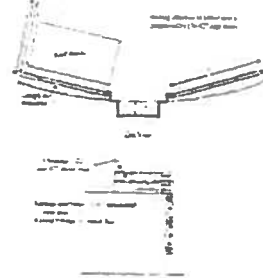
Air Vent Detail



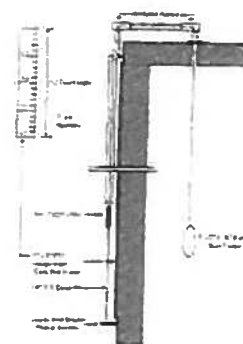
Details for Manhole Flange to Wall



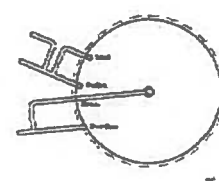
Subsiding Level



Gate Board



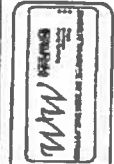
Base



Roof

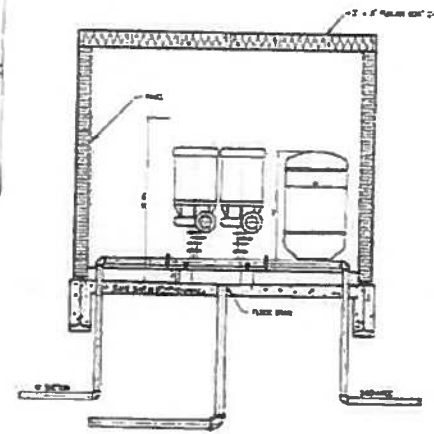
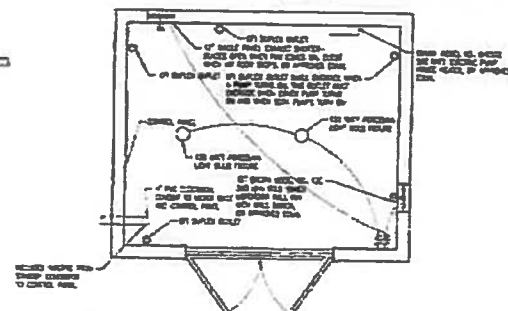
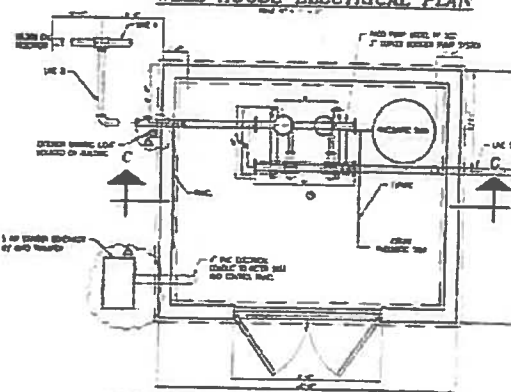
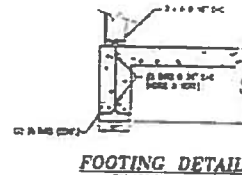
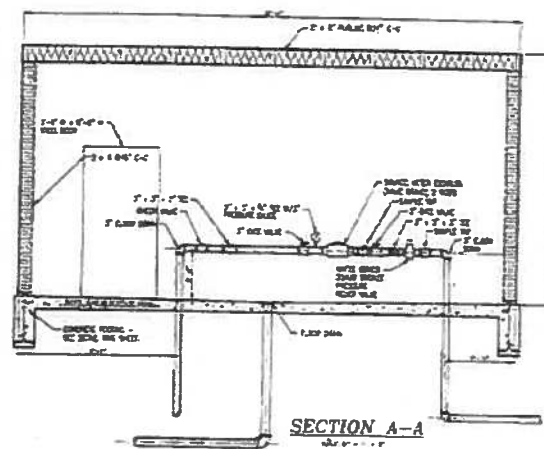
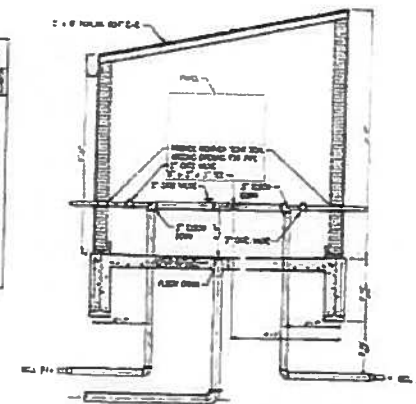
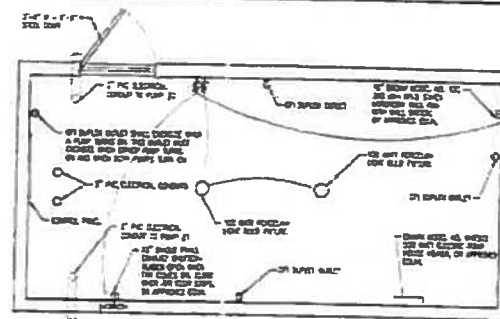
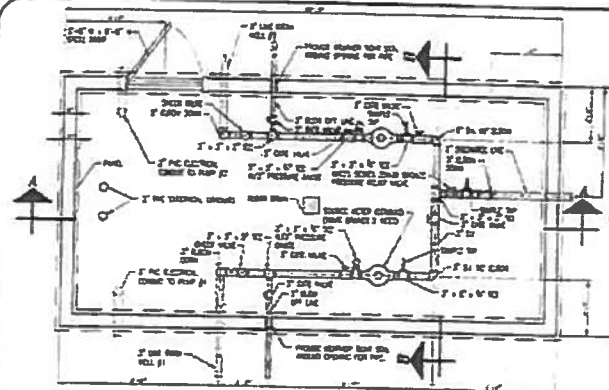


1. ALL DIMENSIONS SHALL BE IN ACCORDANCE WITH THE STANDARD FOR THE CONSTRUCTION OF THE



RESERVOIR DETAILS
TAMMANT VIEW PHASE III
TAMMANT VIEW LLC
GRANDVILLE, ID 83030

Sheet No.	7 of 8
Scale	AS SHOWN
Date	08-09
Drawn by	08-09
Checked by	08-09



1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD AND SPECIFIC WORK CONSTRUCTION [SPEC]
2. ALL WORK AND MATERIAL SHALL BE WELL SELECTED SHALL BE QUALIFIED SPEC.

WELL HOUSE & BOOSTER PUMPS
TAMMANY VIEW PROPERTIES
PHASE III
TAMMANY VIEW LLC
GRANGEVILLE, ID 83430



Attachment E
Well Driller's Reports

Form 238-7 IDAHO DEPARTMENT OF WATER RESOURCES
6/02 WELL DRILLER'S REPORT

RECEIVED

JUN 13 2007

IDWR/North

Office Use Only
Well ID No. _____
Inspected by _____
Twp _____ Rge _____ Sec _____
Lat _____ Long _____

1. WELL TAG NO. D D00 51998

DRILLING PERMIT NO. 846771

Water Right or Injection Well No. 85-15690

2. OWNER

Name TAMMANY VIEW, LLC

Address PO BOX 358

City GRANGEVILLE

State ID

Zip 83530

3. LOCATION OF WELL by legal description:

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

Twp. 34 North ☒ or South ☐

Rge. 04 East ☐ or West ☒

Sec 7 1/4 SE 1/4 SE 1/4

Gov't Lot -- County NEZPERCE

Lat: : Long: :

Address of Well Site TAMMANY VIEW SUBDIVISION PHASE III #1

City LEWISTON

State of Idaho or other State in which well is located

LL 1 Blk. -- Sub. Name TAMMANY VIEW

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 Material	From	To	Weight / Volume	Seal Placement Method
BENTONITE	0	-96	400 400	TOP POUR

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) -98

Was drive shoe seal tested? ☒ Y ☐ N How? AIR

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
6"	+2	-98	.250	Steel	☒	☐	☒	☐
6"	-30	900	.188	Steel	☐	☒	☐	☐

Length of Headpipe N/A Length of Tailpipe N/A

Packer ☐ Y ☒ N Type

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method SAW

Screen Type & Method of Installation N/A

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
890	930	1/8X4	42	6"	STEEL	☐	☒

10. FILTER PACK

Filter Material	From	To	Weight/Volume	Placement Method
N/A				

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

800 ft. below ground Artesian pressure -- lb.

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

TOP OF CASING

12. WELL TESTS:

Yield gal./min.	Drawdown	Pumping Level	Time
60			1.5

Water Temp. 55

Bottom hole temp.

Water Quality test or comments: GOOD

Depth first Water Encounter 860

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water
12	0	18	CLAY	X
12	18	58	BLACK BASALT	X
12	58	98	HARD BLACK BASALT	X
12	98	130	SOFT BROWN GREEN BASALT	X
12	130	145	HARD BLACK BASALT	X
8	145	185	HARD GRAY BASALT	X
8	185	198	SOFT RED BASALT	X
8	198	205	SOFT BLACK BASALT	X
8	205	250	SOFT RED BROWN BASALT	X
8	250	280	SOFT RED BASALT	X
8	280	305	MEDIUM BLACK BASALT	X
8	305	344	SOFT BROWN RED BASALT	X
8	344	390	SOFTER BROWN RED BASALT	X
8	390	415	MEDIUM RED BASALT	X
8	415	440	MEDIUM BLACK BASALT	X
8	440	505	SOFT BROWN BASALT	X
8	505	529	HARD GRAY BASALT	X
8	529	540	SOFT RED BASALT (AIR LOSS)	X
8	540	605	SOFT RED BASALT - YELLOW SHALE MIX	X
8	605	620	SOFT RED & BLACK BASALT	X
8	620	680	HARD BLACK BASALT	X
8	680	690	MEDIUM BLACK BASALT	X
8	690	715	HARD BLACK BASALT	X
8	715	746	SOFT RED BASALT	X
8	746	783	SOFT RED BASALT	X
8	783	789	MEDIUM RED BASALT	X
8	789	860	HARD BLACK BASALT	X
8	860	930	SOFT BLACK & GREEN GASALT	X

Completed Depth 930

(Measurable)

Date: Started 5-16-07

Completed 5/21/07

14. DRILLER'S CERTIFICATION

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

Company Name TWO U DRILLING, LLC

Firm No. 125

Principal Driller TU Date 1.2.11.07

Driller or Operator II BU Date 1.2.11.07

Operator I

Date

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

FORWARD COPY TO WATER RESOURCES

Form provided by Forms On-A-Disk (214) 340-9429 - www.FormsOnADisk.com

24N 4W 7

Form 238-7
6/02

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

RECEIVED

DEC 13 2007

LOWE/NOB

Office Use Only			
Well ID No.			
Inspected by			
Twp	Rge	Sec	
Lat	1/4	1/4	1/4
Long			

1. WELL TAG NO. D D00 51999

DRILLING PERMIT NO. 848772

Water Right or Injection Well No. 85-15690

2. OWNER

Name TAMMANY VIEW, LLC

Address PO BOX 356

City GRANGEVILLE

State ID

Zip 83530

3. LOCATION OF WELL by legal description:

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

Twp. 34

North ☒

or

South ☐

Rge. 04

East ☐

or

West ☒

Sec. 7

1/4

SE

1/4

SE

1/4

Gov't Lot --

County

NEZPERCE

Lat:

Long:

Address of Well Site TAMMANY VIEW SUBDIVISION PHASE III #2

City LEWISTON

Block of land within of which is located or located on

Li. 1

Blk. --

Sub. Name TAMMANY VIEW

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 Material	From	To	Weight / Volume	Seal Placement Method
BENTONITE	0	-96	400	400
				TOP POUR

Was drive shoe used? ☒ Y

☐ N

Shoe Depth(s) -98

Was drive shoe seal tested? ☒ Y

☐ N

How? AIR

8. CASING/LINER:

Diameter	From	To	Gauge	Material	Casing	Liner	Welded	Threaded
8"	+2	-98	.250	Steel	☒	☐	☒	☐
6"	-30	900	.188	Steel	☐	☒	☐	☐

Length of Headpipe N/A

Length of Tailpipe N/A

Packer ☐ Y

☒ N

Type

9. PERFORATIONS/SCREENS PACKER TYPE

Perforation Method SAW

Screen Type & Method of Installation N/A

From	To	Slot Size	Number	Diameter	Material	Casing	Liner
890	930	1/8X4	42	6"	STEEL	☐	☒

10. FILTER PACK

Filter Material	From	To	Weight/Volume	Placement Method
N/A				

11. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

800 ft. below ground

Artesian pressure -- lb.

Depth flow encountered --

ft. Describe access port or control devices --

TOP OF CASING

12. WELL TESTS:

☐ Pump

☐ Beller

☒ Air

☐ Flowing Artesian

Yield gal./min.	Drawdown	Pumping Level	Time
80			1.5

Water Temp. 55

Bottom hole temp.

Water Quality test or comments: GOOD

Depth first Water Encounter 860

13. LITHOLOGIC LOG: (Describe repairs or abandonment)

Bore Dia.	From	To	Remarks: Lithology, Water Quality & Temperature	Water
12	0	18	CLAY	X
12	18	58	BLACK BASALT	X
12	58	96	HARD BLACK BASALT	X
12	96	130	SOFT BROWN GREEN BASALT	X
12	130	145	HARD BLACK BASALT	X
8	145	185	HARD GRAY BASALT	X
8	185	198	SOFT RED BASALT	X
8	198	205	SOFT BLACK BASALT	X
8	205	250	SOFT RED BROWN BASALT	X
8	250	280	SOFT RED BASALT	X
8	280	305	MEDIUM BLACK BASALT	X
8	305	344	SOFT BROWN RED BASALT	X
8	344	390	SOFTER BROWN RED BASALT	X
8	390	415	MEDIUM RED BASALT	X
8	415	440	MEDIUM BLACK BASALT	X
8	440	505	SOFT BROWN BASALT	X
8	505	529	HARD GRAY BASALT	X
8	529	540	SOFT RED BASALT (AIR LOSS)	X
8	540	605	SOFT RED BASALT - YELLOW SHALE MIX	X
8	605	620	SOFT RED & BLACK BASALT	X
8	620	680	HARD BLACK BASALT	X
8	680	690	MEDIUM BLACK BASALT	X
8	690	715	HARD BLACK BASALT	X
8	715	746	SOFT RED BASALT	X
8	746	783	SOFT RED BASALT	X
8	783	789	MEDIUM RED BASALT	X
8	789	860	HARD BLACK BASALT	X
8	860	930	SOFT BLACK & GREEN GASALT	X

Completed Depth 930

(Measurable)

Date: Started 5-16-07

Completed 5/21/07

14. DRILLER'S CERTIFICATION

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

Company Name TWO U DRILLING, LLC

Firm No. 125

Principal Driller TU

Date 12-11-07

and

Driller or Operator II BU

Date 12-11-07

Operator I

Date

Principal Driller and Rig Operator Required

Operator I must have signature of Driller/Operator II.

34N 4W 7

FORWARD COPY TO WATER RESOURCES

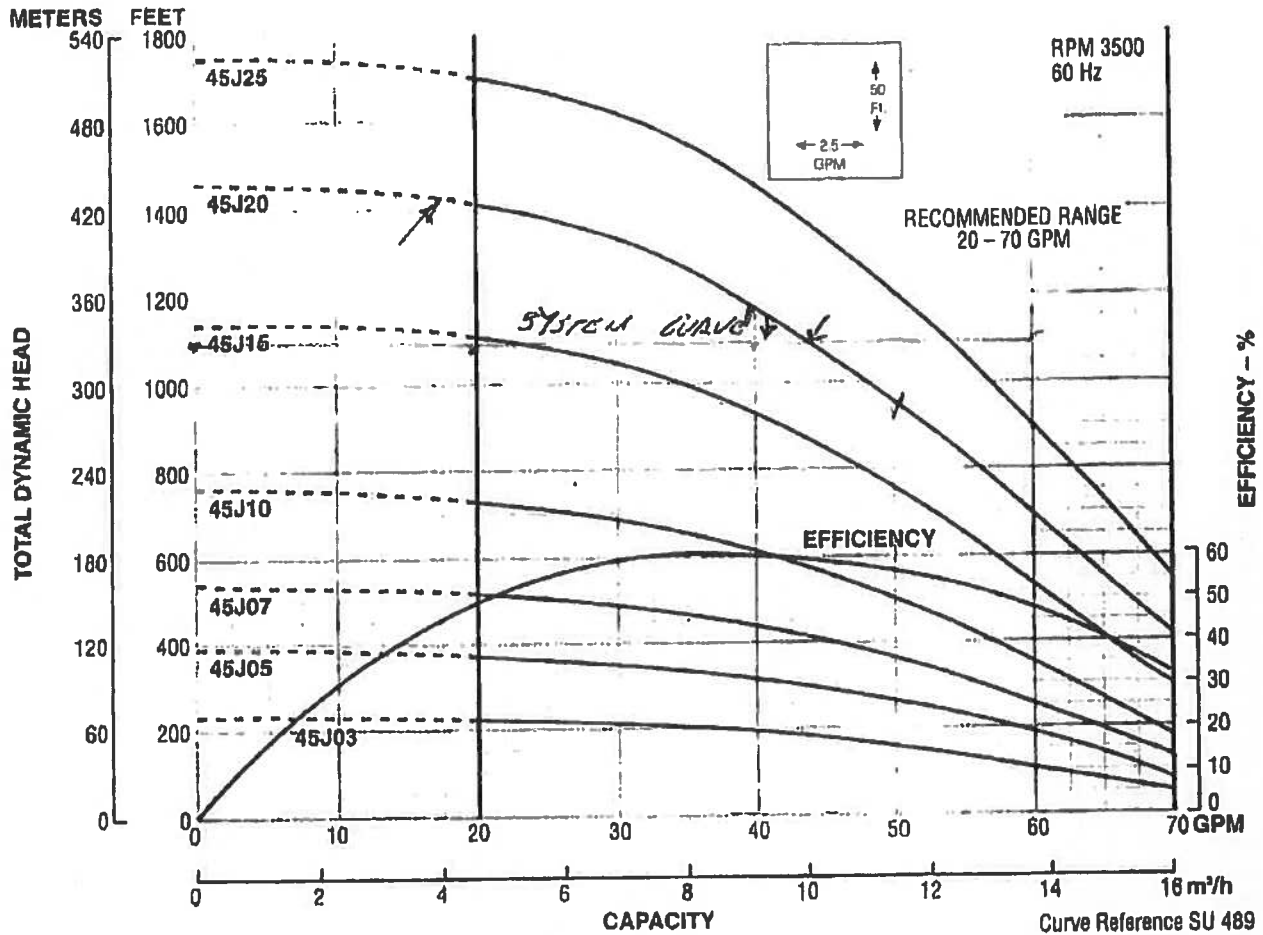
Form provided by Forms On-A-Disk • (214) 340-0420 • www.FormsOnADisk.com

Attachment F
Pump Performance Curves

Model 45J

Well Pump 45J20

GOULDS PUMPS, INC.



DIMENSIONS AND WEIGHTS (All dimensions are in inches and weights in lbs. Do not use for construction purposes.)

HP Stages	W.E. Order No.	Motor Order No.	PH	Motor Volts	Motor Length	W.E. Length	L.O.A.	Wt. (lbs.)
3	45J03	S08940	1	230	23.5	10.3	33.8	57
		S08978		200				
		S08970	3	230				
		S08975	3	460	20.8	10.3	30.9	57
		S08979		575				
5	45J05	S10940	1	230	29.5	12.6	42.1	72
		S10978		200				
		S10970	3	230				
		S10975	3	460	23.5	12.6	36.1	72
		S10979		575				
7.5	45J07	S11970	1	230	28.0	16.3	44.3	151
		S11978		200				
		S11971	3	230				
		S11975	3	460	24.2	16.3	40.5	126
		S11979		575				

*Non-stock motors have a six (6) week lead time. Water end and motor must be ordered separately and are packaged separately.

HP Stages	W.E. Order No.	Motor Order No.	PH	Motor Volts	Motor Length	W.E. Length	L.O.A.	Wt. (lbs.)
10	45J10	S12970	1	230	30.6	21.4	52.0	175
		S12978		200				
		S12971	3	230				
		S12972	3	460	25.5	21.4	46.9	145
		S12979		575				
15	45J15	S13970	1	230	33.1	27.3	60.4	195
		S13978		200				
		S13971	3	230				
		S13972	3	460	28.0	27.3	55.3	169
		S13979		575				
20	45J20	S14978		200				
		S14971	3	230				
		S14972	3	460	30.6	34.6	65.4	205
		S14979		575				
		S15978		200				
25	45J25	S15971	3	230				
		S15972	3	460	33.2	39.4	72.6	233
		S15979		575				



P&R Pump Service
1-800-983-7867

SELECTION CHART

Horsepower Range 3 - 15, Recommended Range 20 - 70 GPM, 60 Hz, 3500 RPM

Pump Model		HP	PSI	50	75	100	125	150	175	200	250	300	350	400	450	500	600	700	800	900	1000	1100
45J03 3 Stages	3	0	70	67	62	57	51	44	35													
		20	83	57	52	46	38	20														
		30	58	52	46	39	20															
		40	52	48	38	25																
		50	47	42	25																	
		60	42	25																		
46J05 5 Stages	5	0	70	69	68	64	61	56	51	42	29											
		20	70	67	64	61	59	55	52	43	29											
		30	68	64	62	59	56	52	48	38												
		40	65	62	59	56	52	48	44	32												
		50	62	59	56	52	48	44	39													
		60	59	56	53	48	44	39	32													
45J07 7 Stages	7.5	0	70	69	67	65	63	61	56	51	45	37	25									
		20	70	69	67	65	63	61	59	54	49	42	34									
		30	70	69	67	65	63	61	59	54	49	42	34									
		40	69	67	65	63	61	60	57	51	46	39	27									
		50	67	65	63	61	59	57	54	49	43	35										
		60	66	63	61	59	57	54	52	46	39	32										
46J10 10 Stages	10	0	70	69	68	67	66	64	61	58	54	51	41	28								
		20	70	69	68	67	66	64	61	58	55	51	47	36								
		30	70	69	68	67	66	64	61	58	57	53	49	44	33							
		40	70	69	68	67	66	64	61	58	55	51	47	42	29							
		50	70	69	68	67	66	64	63	60	57	53	49	46	40	25						
		60	70	68	67	66	64	63	62	58	55	51	47	42	37							
45J15 15 Stages	15	0	70	69	68	67	66	64	63	62	58	55	51	47	42	37						
		20	70	69	68	67	66	64	63	62	58	55	51	47	42	37						
		30	70	69	68	67	66	64	63	62	58	55	51	47	42	37						
		40	70	69	68	67	66	64	63	62	58	55	51	47	42	37						
		50	70	69	68	67	66	64	63	62	58	55	51	47	42	37						
		60	70	69	68	67	66	64	63	62	58	55	51	47	42	37						

Horsepower Range 20 - 25, Recommended Range 20 - 70 GPM, 60 Hz, 3500 RPM

Pump Model	HP	PSI	300	350	400	450	500	550	600	650	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700
45J20 20 Stages	20	0			70	69	67	64	60	56	54	48	43	38	32						
		20			69	67	65	62	58	54	50	46	41	35	28						
		30		70	68	66	65	61	57	53	49	45	39	34	26						
		40		69	67	66	64	60	57	53	48	44	38	32	23						
		50	70	68	67	65	63	60	56	52	47	42	37	30							
		60	69	67	66	64	62	59	55	51	46	41	35	28							
45J25 25 Stages	25	0					69	66	63	60	57	54	50	46	42	37	31	20			
		20					70	67	65	62	59	55	52	48	44	39	34	27			
		30					70	67	64	61	58	55	51	47	43	38	33	24			
		40				70	69	66	64	60	57	54	50	47	42	37	31	21			
		50				70	68	66	63	60	57	54	50	47	42	37	31	21			
		60			70	69	68	66	65	62	59	56	52	49	45	40	35	27			

P&R Pump Service
(208) 983-7867

W W Engineering
3435 Clemans Road
Clarkston, Washington 99403

Warren Watts
Consulting Engineer

Phone: (509) 243-4003
Fax: (509) 243-4004

RECEIVED

October 6, 2007

NOV 20 2007

ID DEQ - LRO

Thomas J. Moore, P.E.
Regional Engineering Manager
State of Idaho
Department of Environmental Quality
1118 F Street
Lewiston, ID 83501

**RE: Records #2220.03 Tammany View Phase III
Water System
SUBJECT: Well Capacity Testing**

Dear Mr. Moore:

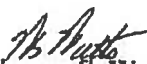
On July 12, 2007 I supervised the pump testing for Well No. 1 and on August 14, 2007 I also supervised the pump testing for Well No. 2.

Each pump test was performed for 6 continuous hours as shown on enclosed reports. Six hours was selected over 24 hours when it became obvious that no drawn down would occur with pumps operating at maximum capacity at a continuous flow of 53+ gpm which is over 150% of the minimum average daily pumping requirement of 31.6 gpm.

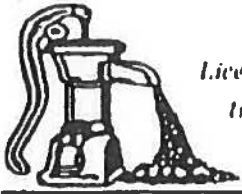
I certify that attached summary reports are accurate measurements of pumping flows and supportive data.

These tests were performed in accordance to IDAPA 58.01.08-06.

Respectfully,


Warren S. Watts, P.E.





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In the State of
Idaho

P & R PUMP

P & R PUMP SERVICE
P.O. BOX 55 (hwy 95 N)
FENN, ID 83531-0055
208-983-7867

WE NOT ONLY FEATURE GOULDS PUMPS WE'RE YOUR # ONE GOULDS PUMP DEALER IN THE AREA

ATTENTION:

WARREN WATTS

WW Engineering/Progressive Engineering Group, Inc.
1208 Idaho Street
Lewiston, Idaho 83501
208-746-5406

RE: WELL #2 AT TAMMANY VIEW SUB-DIVISION PHASE III

- a.) The pump, pipe, wire, pitless and everything that went into the well was cleaned and disinfected with a 500 ppm chlorine solution
- b.) The well was tested with an 1/4" air line for well level measurements
- c.) The well was tested for six (6) hours. Well test is attached.
- d.) The Pathologists' reports are attached

222,005
3132

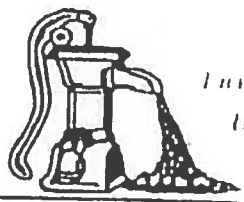
P & R PUMP SERVICE
P.O. BOX 55
FENN, IDAHO 83531-0055
(208)983-7867

August 14, 2007

TAMMANY VIEW SUB-DIVISION
PHASE III

WELL FLOW TEST
WELL # 2

TIME	PUMPING LEVEL	AMPERAGE	FLOW METER READING	GALS PUMPED	GPM
9:45			19733.35		
9:50	792'	27	20000.00	266.65	53.33
9:55	792'	27	20266.65	266.65	53.33
10:00	792'	27	20533.30	266.65	53.33
10:05	792'	27	20799.95	266.65	53.33
10:10	792"	27	21066.60	266.65	53.33
10:15	792'	27	21333.25	266.65	53.33
10:20	792'	27	21599.90	266.65	53.33
10:35	792'	27	22399.85	799.95	53.33
10:50	792'	27	23199.80	799.95	53.33
11:05	792'	27	23999.75	799.95	53.33
11:20	792'	27	24799.70	799.95	53.33
11:35	792'	27	25599.65	799.95	53.33
11:50	792'	27	26399.60	799.95	53.33
12:05	792'	27	27199.55	799.95	53.33
12:20	792'	27	27999.50	799.95	53.33
12:35	792'	27	28799.45	799.95	53.33
12:50	792'	27	29599.40	799.95	53.33
1:05	792'	27	30399.35	799.95	53.33
1:20	792'	27	31199.30	799.95	53.33
1:35	792'	27	31999.25	799.95	53.33
1:50	792'	27	32799.20	799.95	53.33
2:05	792'	27	33599.15	799.95	53.33
2:20	792'	27	34399.10	799.95	53.33
2:35	792'	27	35199.05	799.95	53.33
2:50	792'	27	35999.05	799.95	53.33
3:05	792'	27	36798.95	799.95	53.33
3:20	792'	27	37598.90	799.95	53.33
3:35	792'	27	38398.85	799.95	53.33
3:50	792'	27	39198.80	799.95	53.33
4:05	792'	27	39998.75	799.95	53.33
4:15	STATIC WATER LEVEL STAYED SAME				
4:25	STATIC WATER LEVEL STAYED SAME				
4:35	STATIC WATER LEVEL STAYED SAME				
4:35	STABILIZED AT 792'				



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FENN, ID 83531-0055
208-983-7867

WE NOT ONLY FEATURE [G] GOULDS PUMPS WE'RE YOUR # ONE [G] GOULDS PUMP DEALER IN THE AREA

Herb Blewett
35627 Pheasant Loop Rd
Lewiston, Idaho 83501
208-743-0318

"TAMMANY VIEW SUB-DIVISION"

PHASE III

WELL # 2

September 4, 2007

TO WHOM IT MAY CONCERN:

When Well # 2 on Phase III was tested it indicated no measurable draw down. The static water level was 792feet.

The testing was done with a 20HP 460V Pump, which pumped 53.33 gals per minute for 6 hours +.

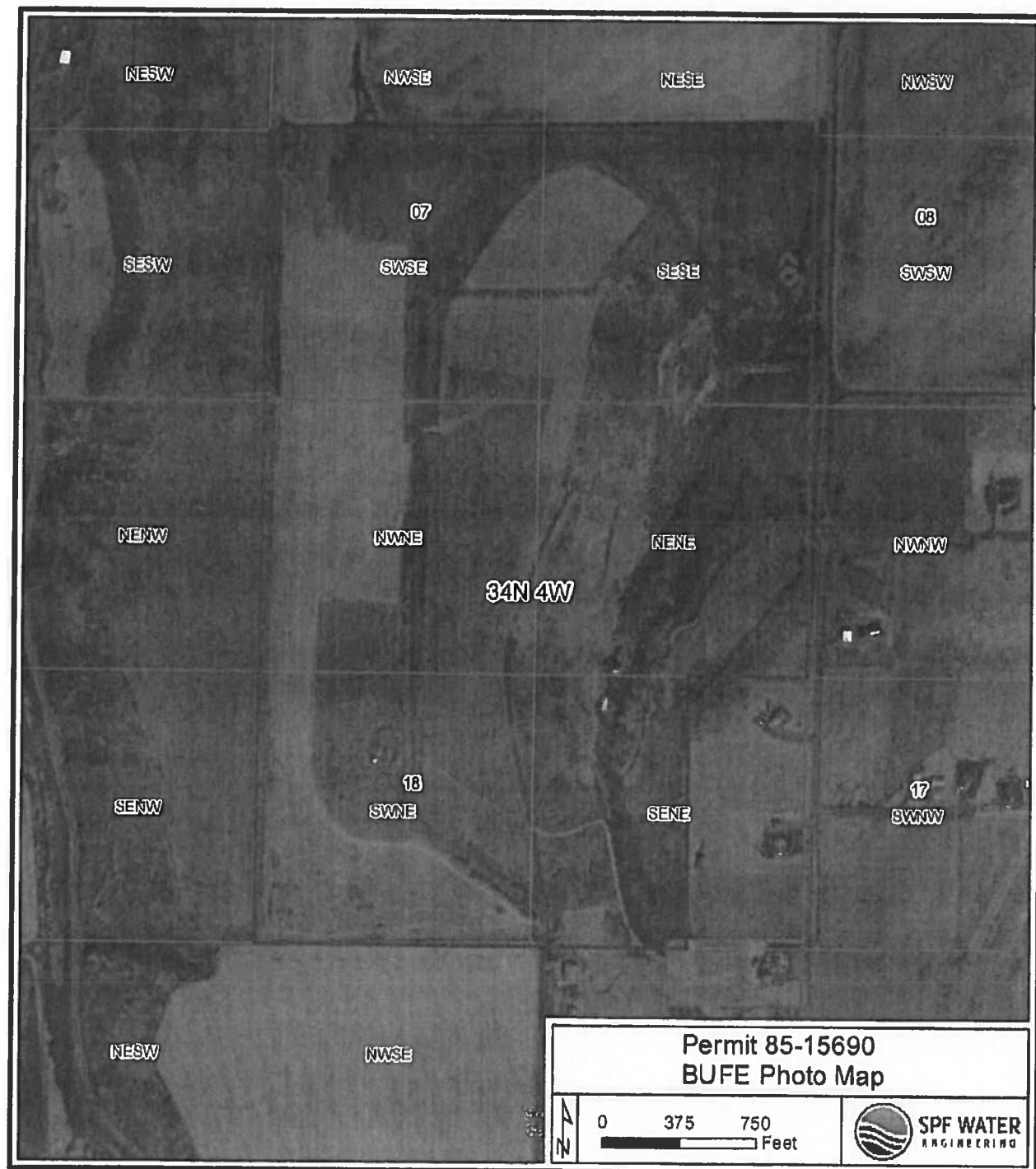
I will certify that the well, at this time is producing over 50 gals per minute.

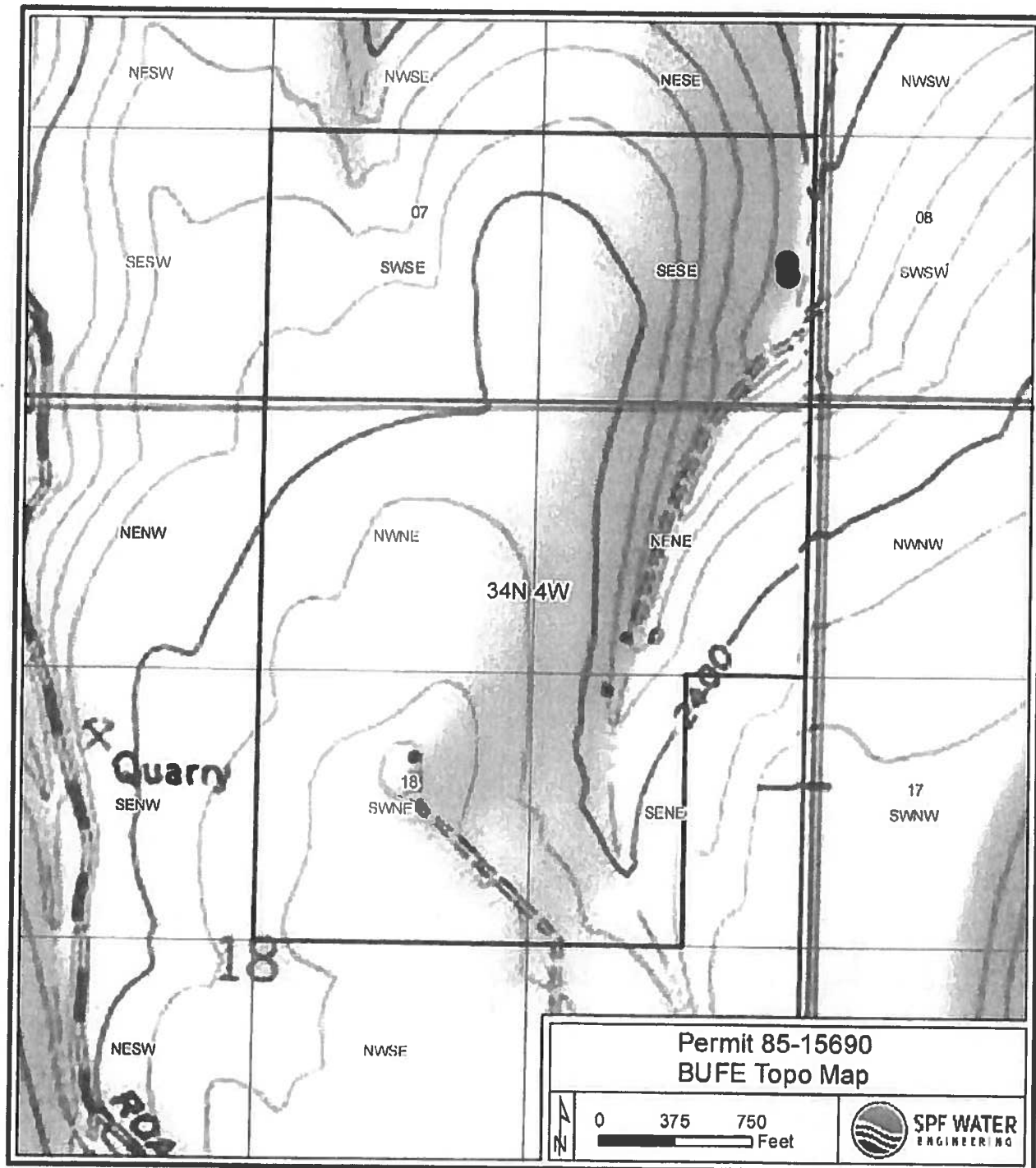
Sincerely,

E. PAUL EATON

September 4, 2007

Attachment G
USGS Topographic Map and Aerial Photography of Service
Area and Well Locations





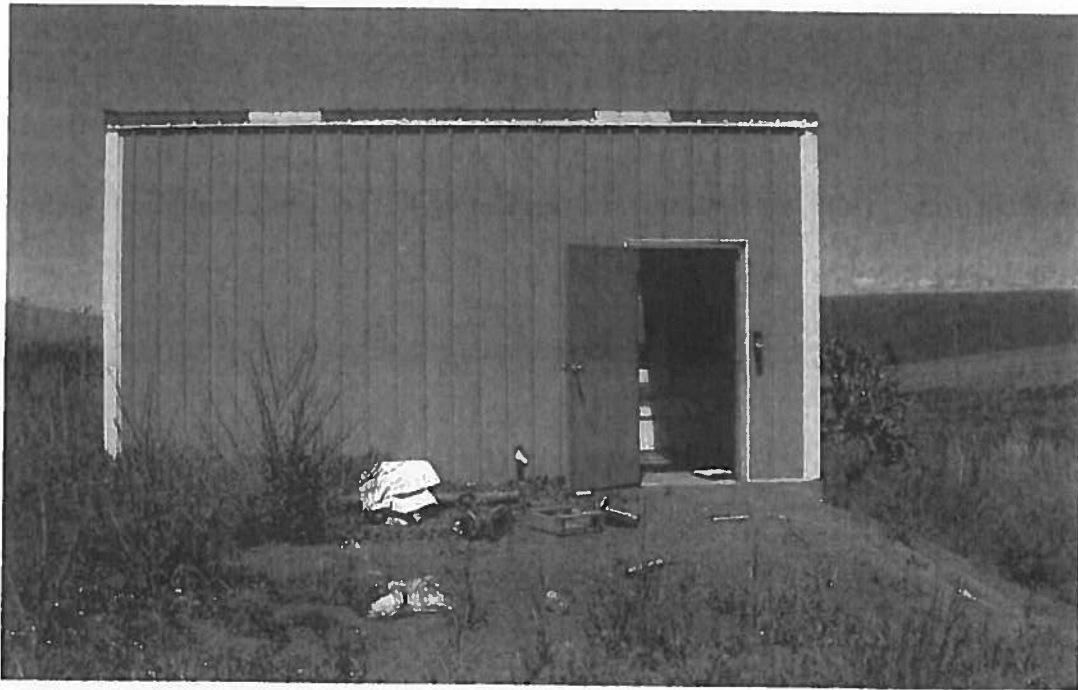
Attachment H
Beneficial Field Examination Photos



North Well casing and cap. Tag No. D0051998.



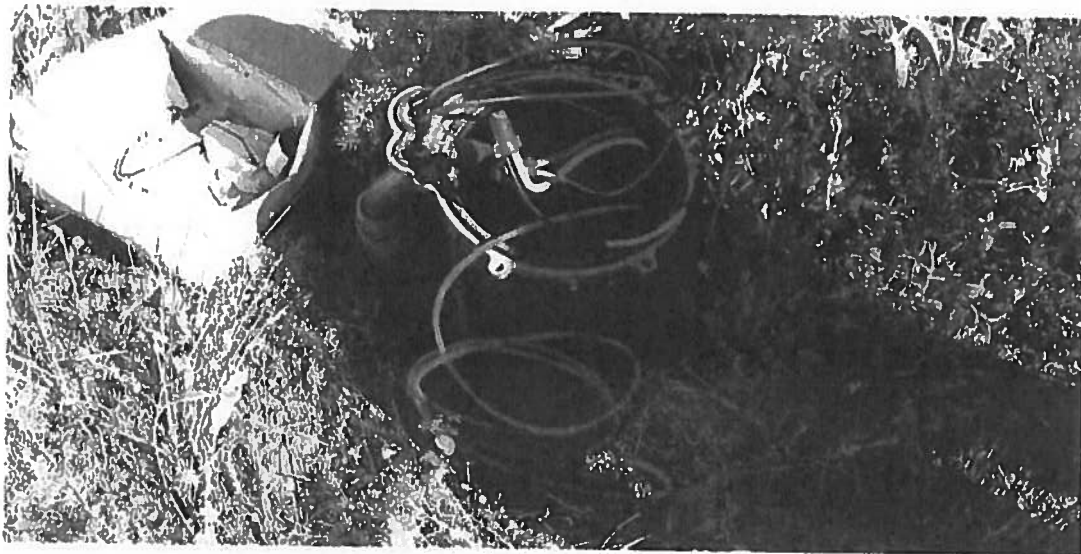
South Well casing and cap. Tag No. D0051999.



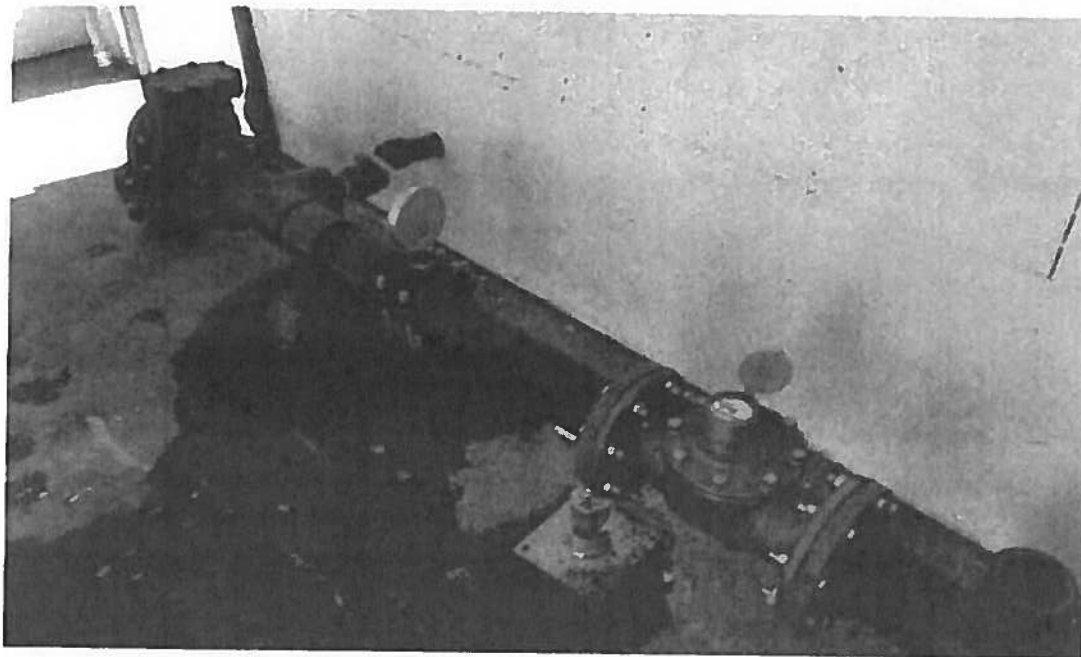
Well house



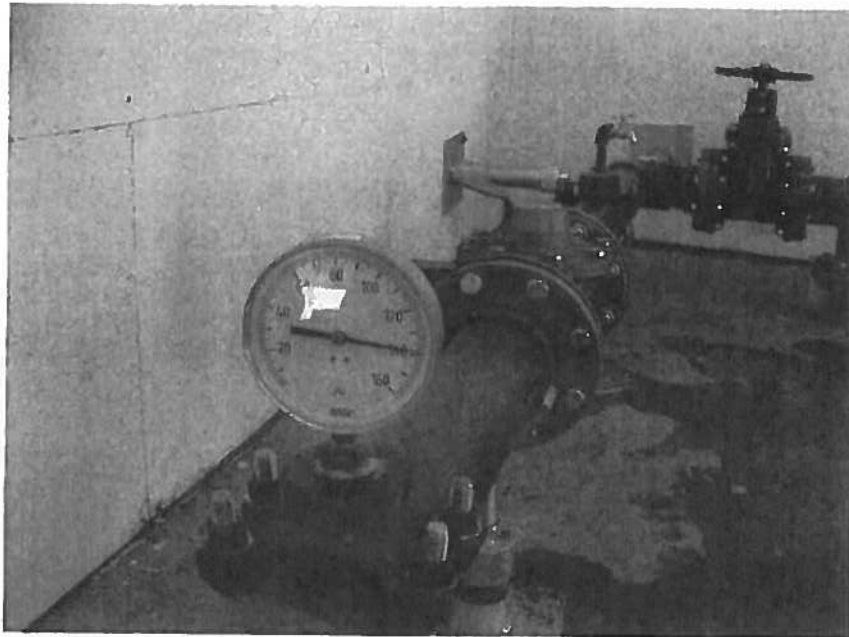
Well house viewed from Powell Road. Scar from pipe trench barely visible extending up hill to road cut.



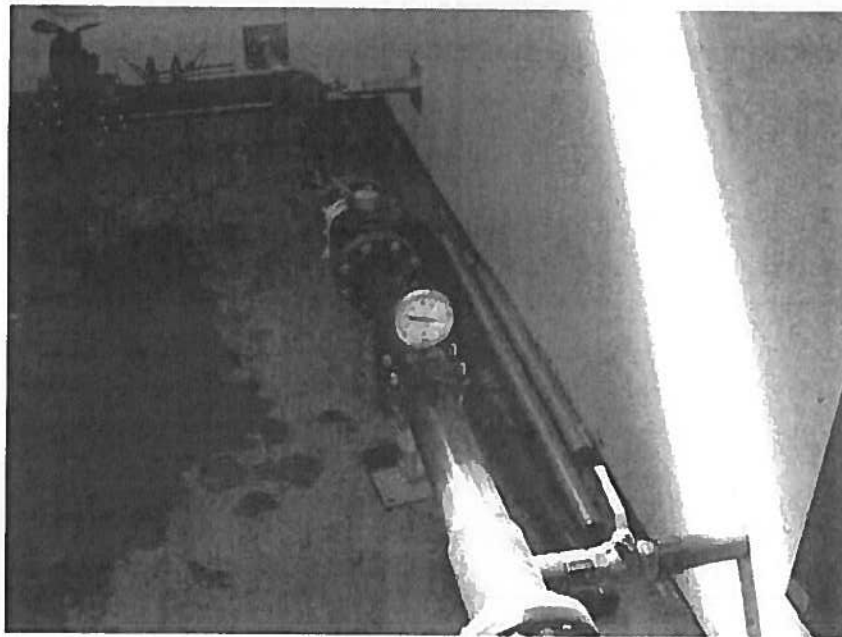
Inside North Well Casing. Blue tubing is air line for water level measurement.



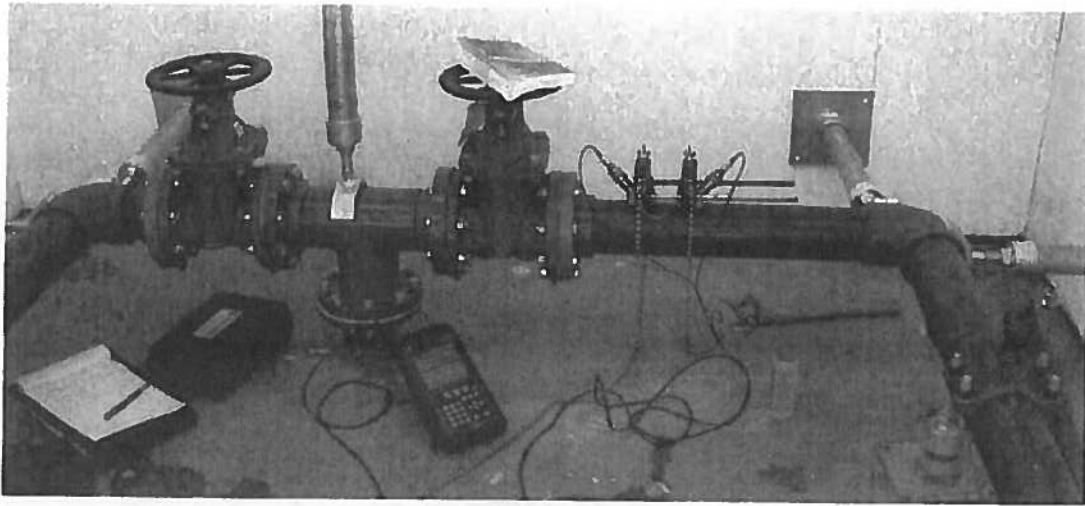
South Well discharge piping. Check valve on left, then flush-to-waste, pressure gage, and flow meter.



South well discharge piping (4-inch schedule 80 PVC). Check valve and flush to waste (out of picture in foreground), pressure gage, flow meter, sample tap, and gate valve for isolation.



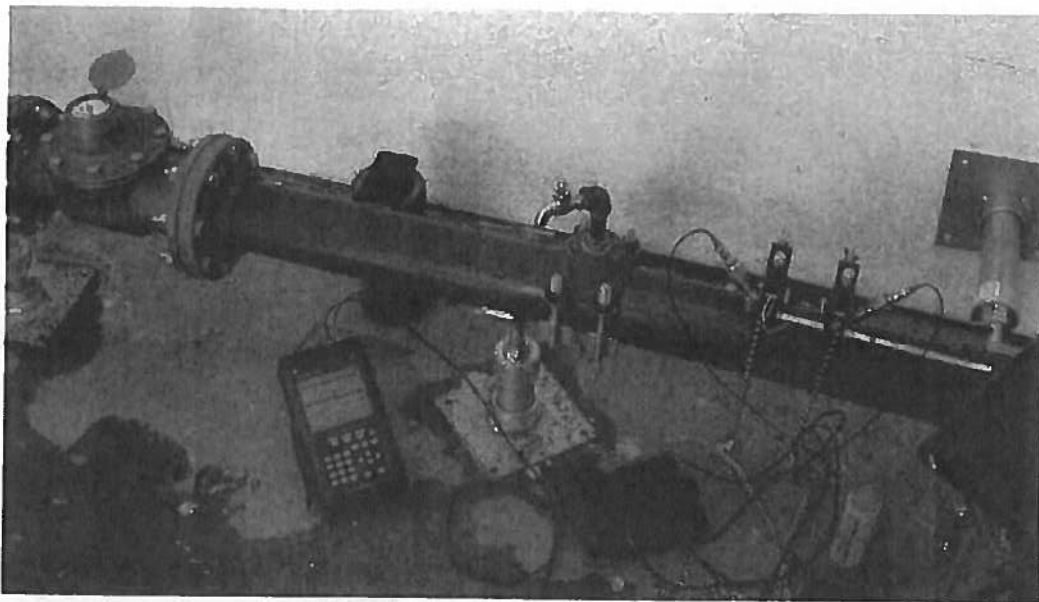
North Well discharge piping (4" PVC). Check valve (out of view in foreground), flush-to-waste pipe and ball valve, pressure gage, flow meter, sample tap, and gate valve for isolation.



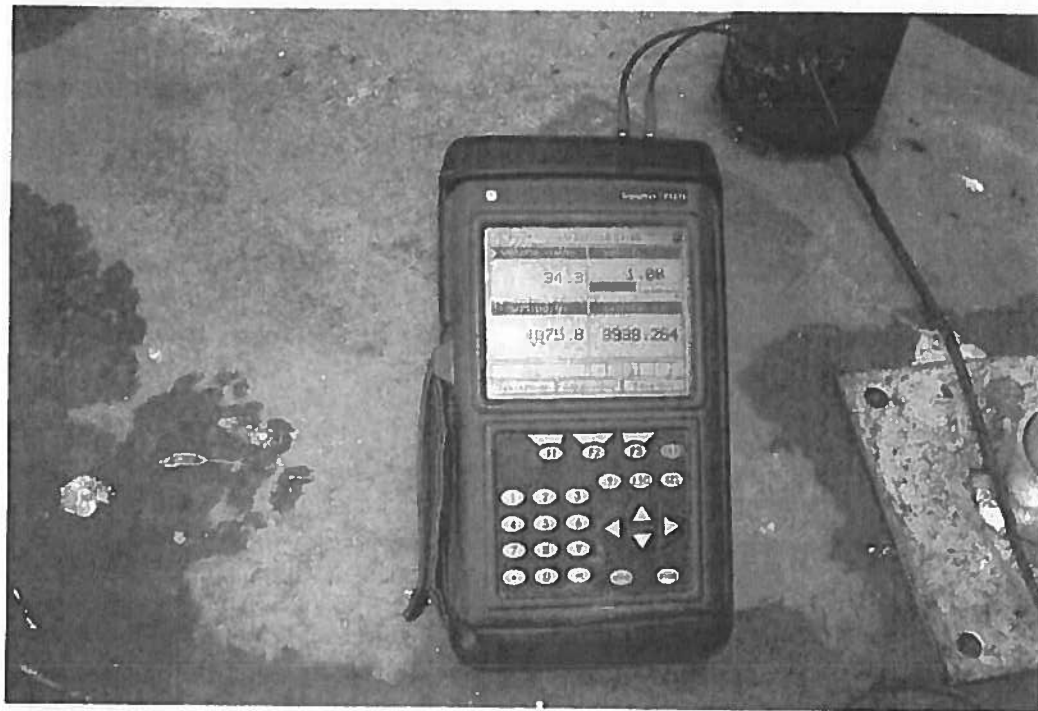
North and South Well piping connect between gate valves and discharge downward through floor to system



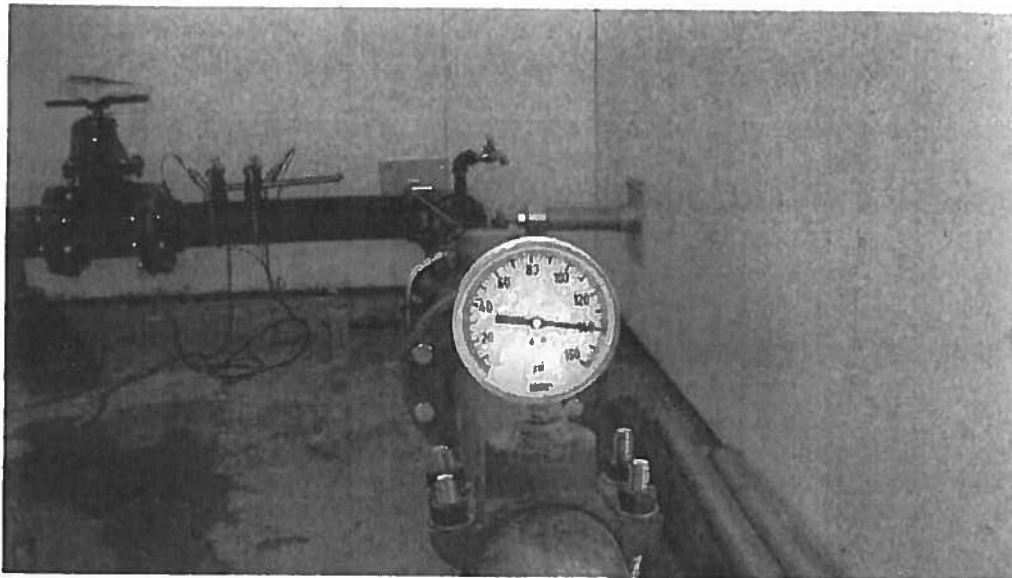
South Well pump panel. North Well panel is identical.



Calibration check of South Well flow meter. Installed Neptune meter on left, portable ultrasonic flow meter on right.



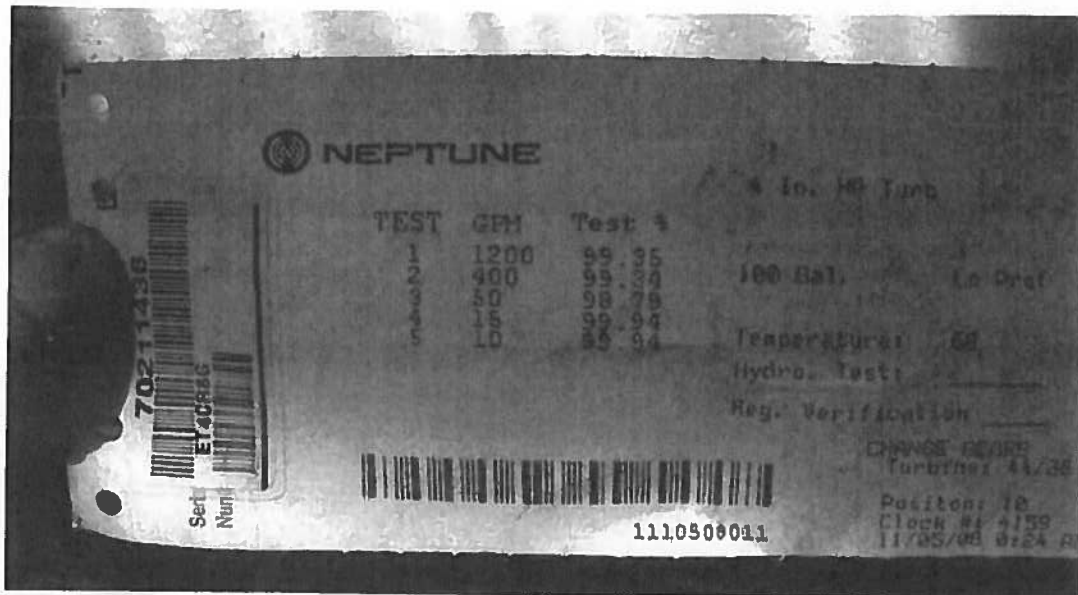
South Well flow rate is 34 gpm with ultrasonic meter and 33 gpm with Neptune turbine meter; 138 psi discharge pressure.



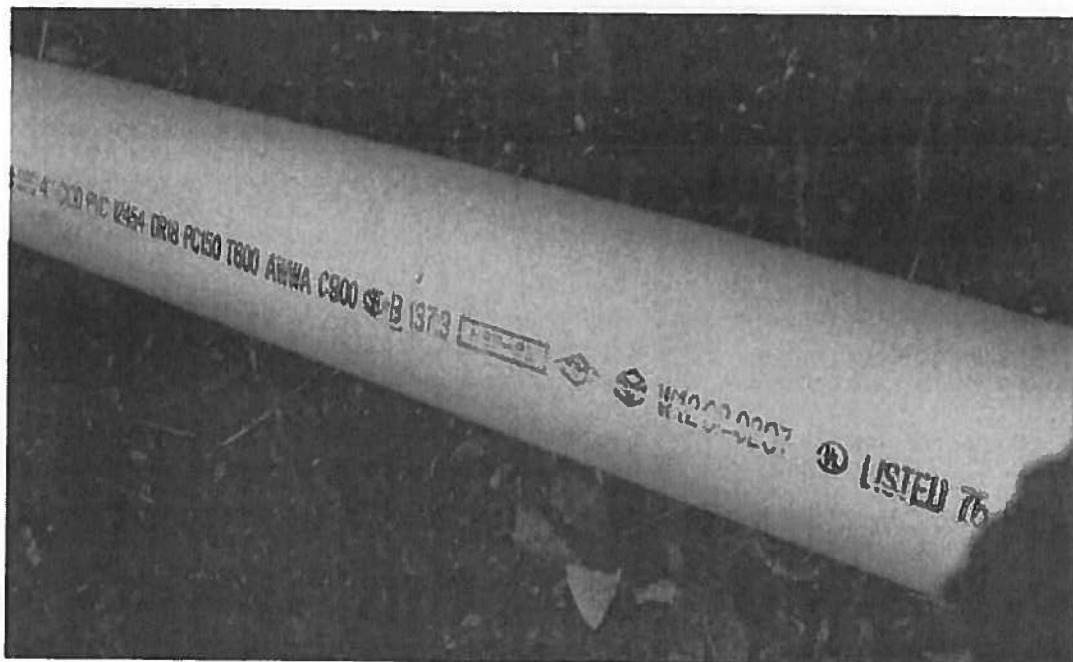
Calibration check of North Well flow meter. Installed Neptune meter behind pressure gage, portable ultrasonic flow meter on left.



North Well flow rate is 39 gpm with ultrasonic meter and 41 gpm with Neptune turbine meter; 140 psi discharge pressure.



Calibration tag for north flow meter.



Pipe scrap. 4-inch C900 PVC



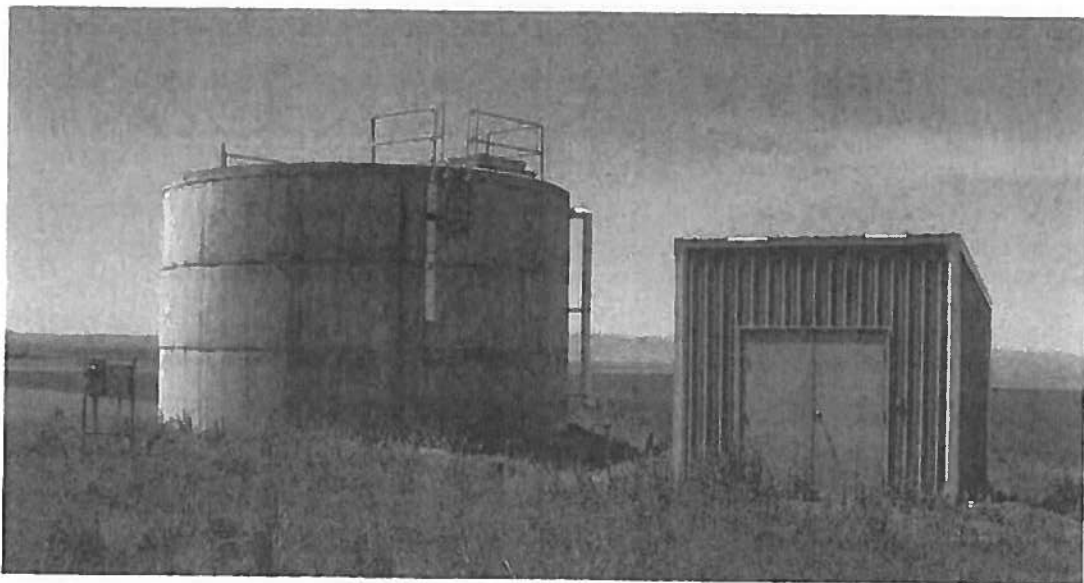
Air release valve at high point between wells and tank.



Blow-off valve at terminus of dead-end line extending south from well along Powell Road. Fence post in background is marker for buried stubbed pipe with curb stop (typical for each lot)



Exposed curb stop at lot.



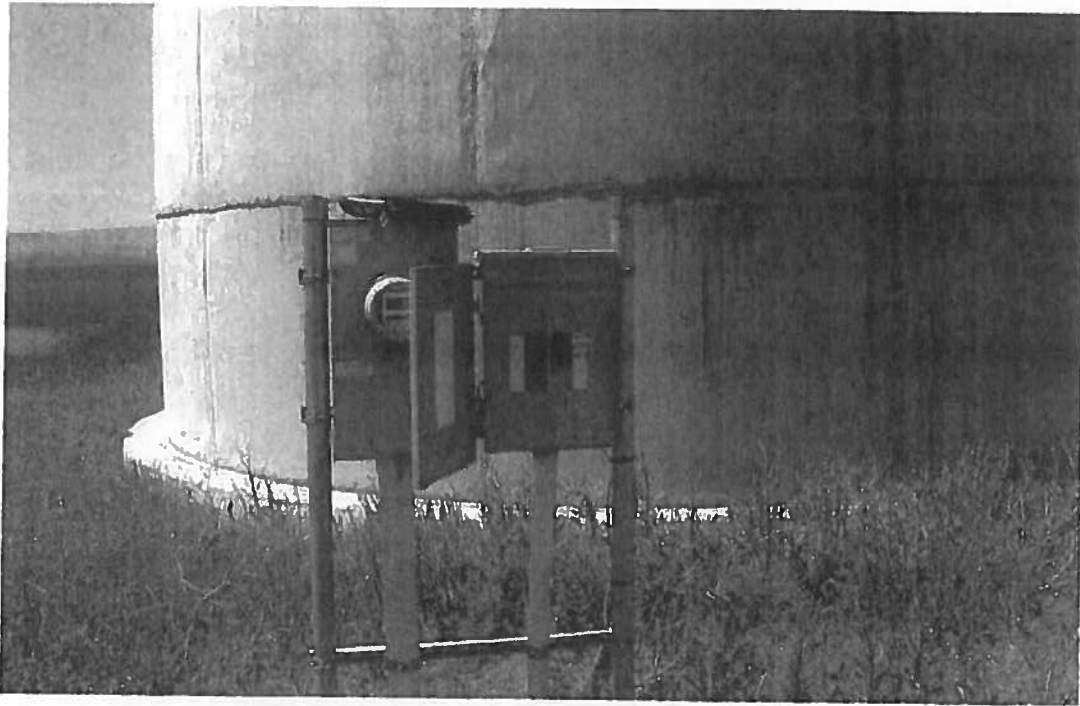
Storage tank and booster pump building. Tank-level indicator shows tank nearly full.



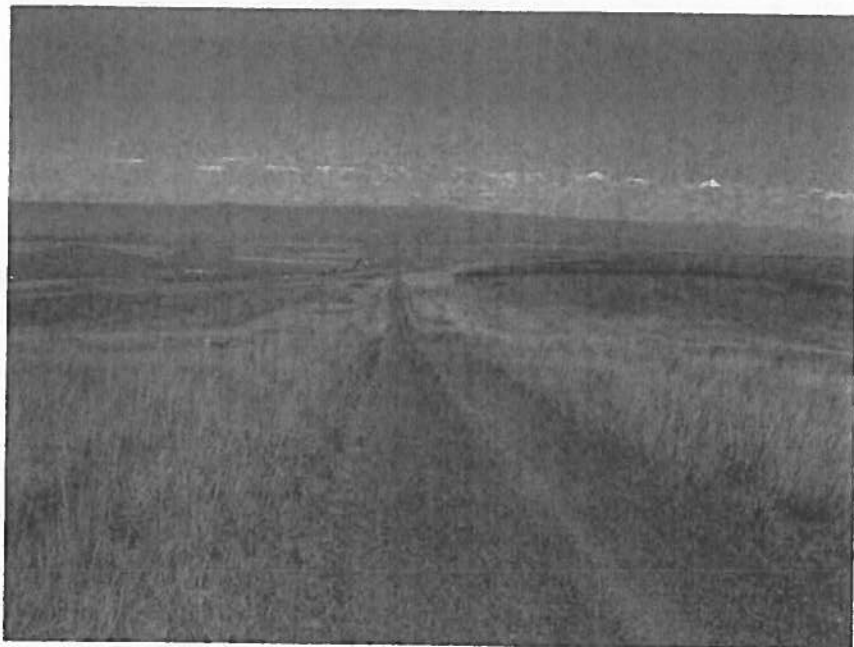
Storage tank showing overflow pipe and valve vault. Water from the wells enters at the top of the tank, then exits the bottom of the tank to the valve vault. Water from valve vault can flow back into delivery pipe when well pumps are off. A tee in the delivery pipe is connected to booster pump. A check valve in valve vault prevents short-circuiting of flow to tank when well pumps are running.



Interior of booster pump building. Piping is connected and pressurized through building, but waiting for booster pump installation to provide adequate pressure (>40 psi) for high elevation lots



Circuit breakers for booster pumps (3-phase 100a, 20a, and 20a, and 1-phase 20a). Power meter #12578873 Clearwater Power Company. Electrical permit #6659981, 4/4/08 inspection date.



View of subdivision area looking north on Pheasant Loop Road.

Attachment I
Summary of Flow Rate Measurements

South Well Only			
Elapsed Minutes	Neptune		GE Ultrasonic
	Total gal	gpm	gpm
0.0	14,060		
1.0	14,094	34.0	33-35
3.0	14,161	33.7	
9.0	14,358	33.1	
32.0	15,118	33.1	

North Well Only			
Elapsed Minutes	Neptune		GE Ultrasonic
	Total gal	gpm	gpm
0.0	38,650		
2.0	38,733	41.5	38-39
10.0	39,064	41.4	

North and South Wells Combined						
Elapsed Minutes	South Neptune		North Neptune		Combined Neptune	GE Ultrasonic North
	Total gal	gpm	Total gal	gpm	gpm	gpm
0.0			39,340			
1.0	16,115					37-38
2.0			39,423	41.5		
3.0	16,181	33.0				
8.5			39,683	40.4		
9.0	16,379	33.0			73.4	