

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

RECEIVED

SEP 27 2010

DEPARTMENT OF
WATER RESOURCES

A. GENERAL INFORMATION

Permit No. 25-14114

1. Owner Falls Water Company, Inc.

Phone No. 208-522-1300

Current address 2180 N. Deborah Dr., Idaho Falls, Idaho 83401

2. Examiner's name Paul H. Scoresby

EXAM DATE 6/17/10 & 8/10/10

3. Accompanied by See attachment of those who accompanied the

Email

Address examiner.

Relationship to permit holder

Phone No.

4. Source Groundwater

tributary to NA

B. OVERLAP REVIEW

1. Other water rights with the same place of use 25-7148, 25-7191, 25-7418, 25-7509, 25-14035, 25-14055, 25-2119

2. Other water rights with the same point of diversion 25-7148, 25-7191, 25-7418, 25-7509, 25-14035, 25-14055

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident. No.	Gov't Lot	1/4	1/4	1/4	Sec	Twp	Rge	County	Method of Determination/Remarks
See Attachment C.1									

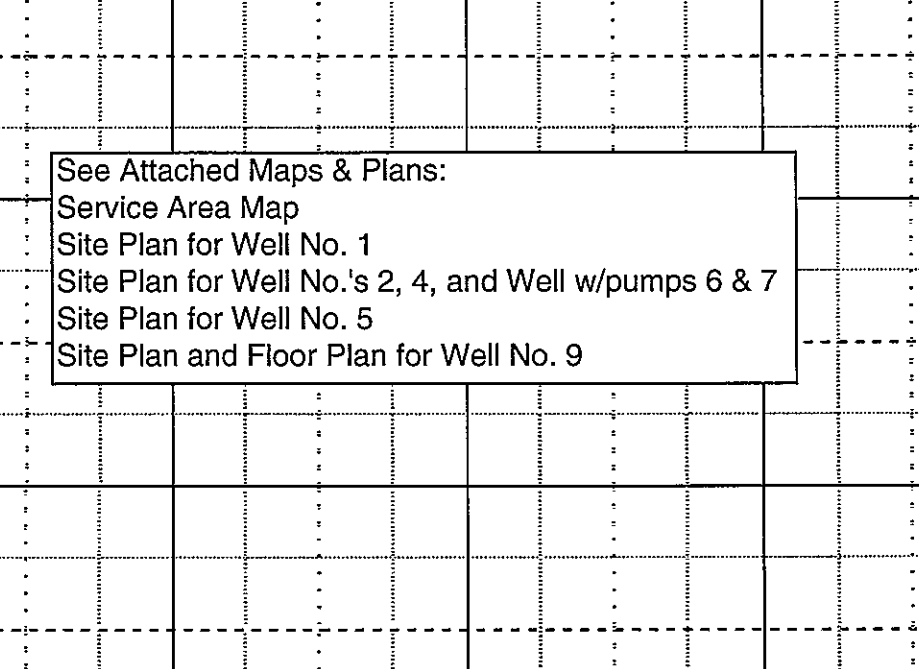
2. Place(s) of Use:

Method of determination On site & plat maps

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

The service area of Falls Water Company is generally described as Sections 2, 3, 10, 11, 13-16, and 22-24 of Township 02 North Range 38 East. See attached Service Area Map.

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.



See Attached Maps & Plans:

- Service Area Map
- Site Plan for Well No. 1
- Site Plan for Well No.'s 2, 4, and Well w/pumps 6 & 7
- Site Plan for Well No. 5
- Site Plan and Floor Plan for Well No. 9

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
See Attachment C.4					

*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
See Attachment D.1						

2. Measurements:

See Attachment D.2

E. NARRATIVE/REMARKS/COMMENTS

All wells listed were measured to illustrate that the sum of flows from all wells exceeds the allowed diversion rate of all water rights.

Permitted Wells:

Well #8 SESW Sec 10, T02N, R38E, Not in system and is under other ownership.

Well #5 SWNW Sec 11, T02N, R38E, Correction of legal description. Not a new well.

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?

3a. Accompanied by Tony Wise Email mrwater@fallswater.com
Address 2180 N. Deborah Dr., Idaho Falls, Idaho 83401
Relationship to permit holder Employee Phone No. 208-522-1300
Well No.'s & Date No. 1 and No. 5 on 6/17/2010

3b. Accompanied by Dan Hunting Email NA
Address 2180 N. Deborah Dr., Idaho Falls, Idaho 83401
Relationship to permit holder Employee Phone No. 208-522-1300
Well No.'s & Date No. 2, No. 4, Well w/Pump No.'s 6 & 7 and No. 9 on 8/10/2010

1. Point(s) of Diversion

Ident. No.	Gov't Lot	1/4	1/4	1/4	Sec	Twp	Rge	County	Method of Determination/Remarks
Well No. 1			SW	SW	14	2N	38E	Bonneville	IDWR GIS
Well No. 2			NE	SW	14	2N	38E	Bonneville	IDWR GIS
Well No. 4			NE	SW	14	2N	38E	Bonneville	IDWR GIS
Well No. 5			NW	SW	11	2N	38E	Bonneville	IDWR GIS
*Pump 6			NE	SW	14	2N	38E	Bonneville	IDWR GIS
*Pump 7			NE	SW	14	2N	38E	Bonneville	IDWR GIS
Well No. 9			NE	SE	10	2N	38E	Bonneville	IDWR GIS

* These pumps are in the same well and pump water through separate flow meters.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make & Model	Pump Serial No. or Discharge Size
1	US Motors	75	R-2842-02-H-385 R2076081	Johnson 12CC	8 inch, vertical turbine, 5 stages
2	St. Louis Allis Co.	40	2563900	***	6 inch, vertical turbine
4	US Motors	150	0521222 84-06733-429	American Turbine 10-XH-150	10 inch vertical turbine, 10 stages
5	General Electric	75	DPJ426326	Johnson 12CC	8 inch, vertical turbine, 5 stages
**6 (pump)	Unknown	75	Unknown	Unknown	6 inch, submersible pump
**7 (pump)	Unknown	75	Unknown	Unknown	6 inch, submersible pump
9	US Motors	400	M09-82002337-006R	Hydroflow	12 inch, Model 14HH, 5 stage, vertical turbine

*Code to correspond with pump no. on map

** These pumps are in the same well but pump through separate flow meters.

*** This pump has never been pulled since its original installation. Records are not available.

D. FLOW MEASUREMENTS**1.**

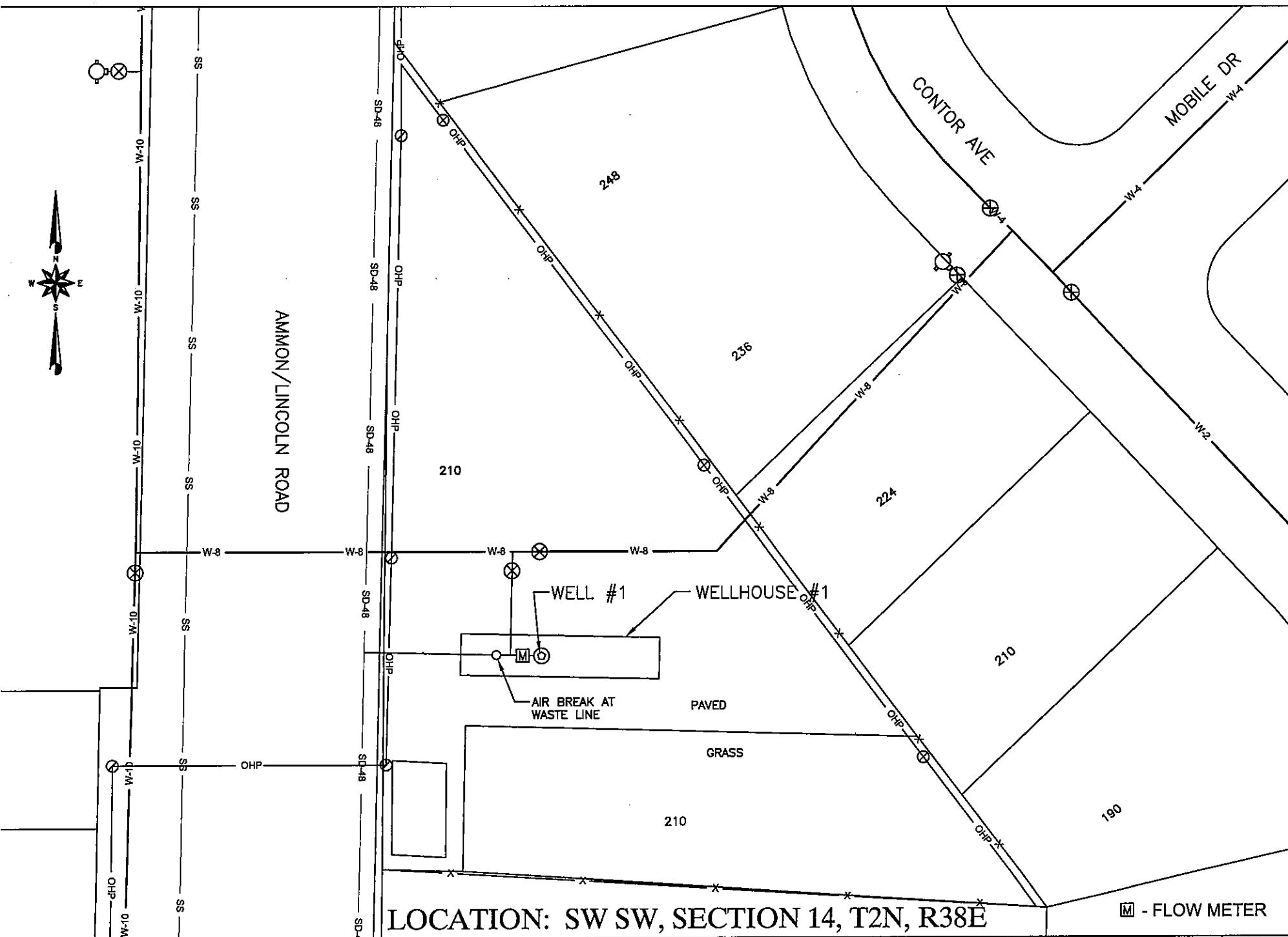
Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Well No. 1 - Flow meter	Instantaneous/Totalizing propeller	McCrometer	35-4 JADY	Unknown	8 inch	See Note **
Well No. 2 - Flow meter	Instantaneous/Totalizing propeller	McCrometer	M0306	08-01542	6 inch	See Note **
Well No. 4 - Flow meter	Instantaneous/Totalizing propeller	McCrometer	M0310	Unknown	10 inch	See Note **
Well No. 5 - Flow meter	Instantaneous/Totalizing propeller	McCrometer	M0308	10-00645	8 inch	1/29/2010
*Pump No. 6 - Flow meter	Instantaneous/Totalizing propeller	McCrometer	M0306	02-08086	6 inch	See Note **
*Pump No. 7 - Flow meter	Instantaneous/Totalizing propeller	McCrometer	M0306	08-08175	6 inch	See Note **
Well No. 9 - Flow meter	Instantaneous/Totalizing Electromagnetic	McCrometer	Ultra Mag UM06-12-QS	UM20080260	12 inch	6/4/2008

2. Measurements

Well No.	Measured Flow (gpm)	Measured Flow (cfs)	Pressure at Measured Flow (psi)
1	850	1.89	55
2	650	1.45	55
4	1,700	3.79	52
5	850	1.89	65
*6 (pump)	930	2.07	54
*7 (pump)	890	1.98	54
9	3,100	6.91	52
	8,970	19.99	

* These pumps are in the same well but pump through separate flow meters.

** The operators reported that IDWR field staff verified flow meter accuracy of these flowmeters in June or July 2009 with the department's own flow meter.



LOCATION: SW SW, SECTION 14, T2N, R38E

□ - FLOW METER

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HORIZ. SCALE: 1"=40'
VERT. SCALE: N/A
CADD NAME: PWC FIGURES

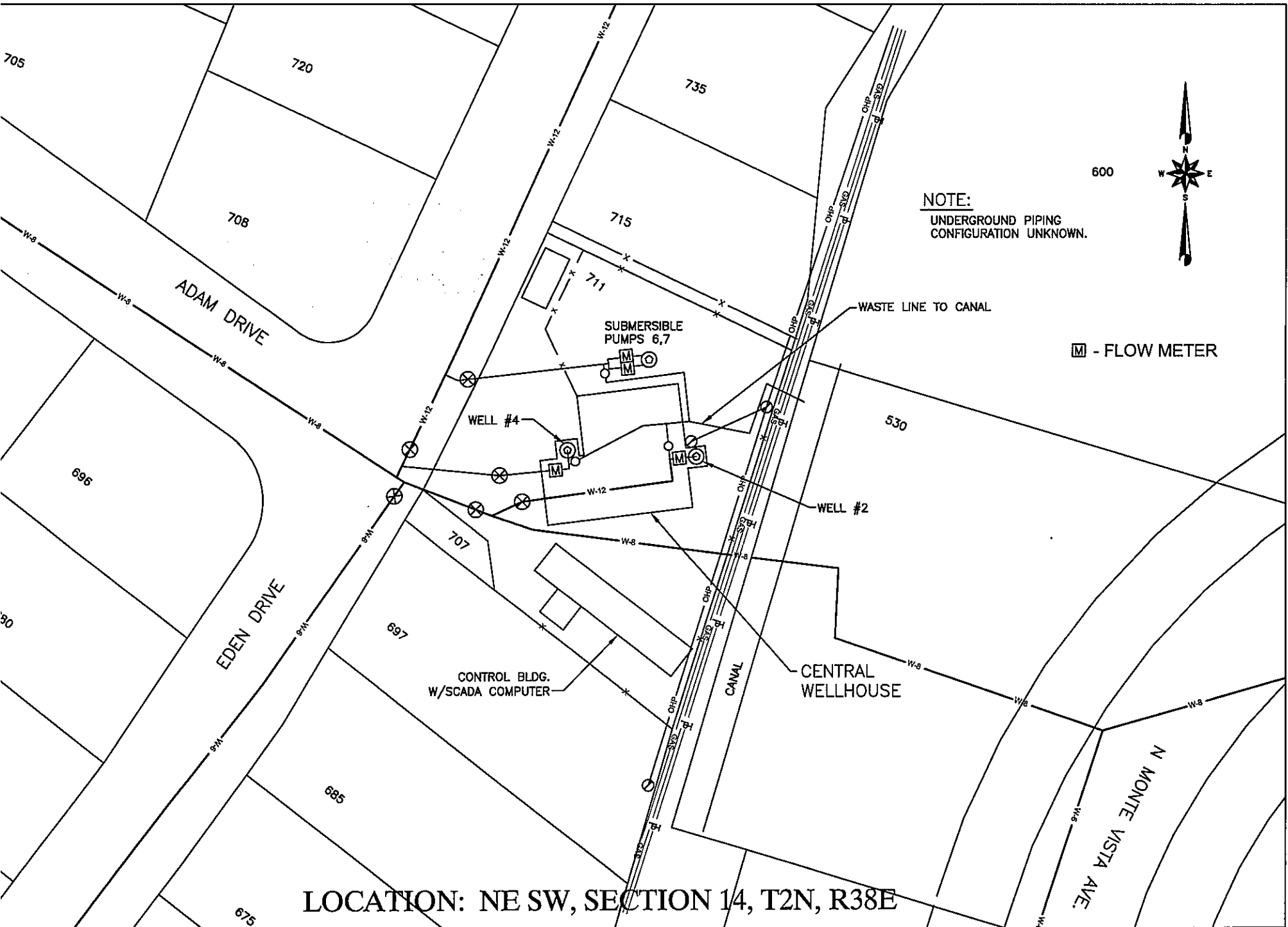
APPROVED BY: PHS
CHECKED BY: PHS
DESIGNED BY: PHS
DRAWN BY: L.J.

Schiess & Associates
ENGINEERING • PLANNING • LAND SURVEYING
Maine Pals 822-1244
Newbury 388-8882

FALLS WATER REGIONAL
WATER STUDY

WELL #1
WELL SITE DETAIL

PROJECT NO.
10064
FIGURE NO.
-



LOCATION: NE SW, SECTION 14, T2N, R38E

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HORIZ. SCALE: 1"=50'	APPROVED BY: PHS
VERT. SCALE: N/A	CHECKED BY: PHS
CAD NAME: PWC FIGURES	DESIGNED BY: PHS
	DRAWN BY: L.L.

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 Idaho Falls 832-1244 Rexburg 326-9092

FALLS WATER REGIONAL
 WATER STUDY

CENTRAL WELL HOUSE	PROJECT NO. 10064
WELL SITE DETAIL	FIGURE NO. ---

RECORD DRAWINGS

NO.	DESCRIPTION	REV. BY	CHK. BY	DATE
REVISIONS TO DRAWINGS				
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PROJECT NO.	04192 PHASE II
DATE:	MARCH 2009
DESIGNED BY:	P. SCORESBY
DRAWN BY:	T. WHITE
CHECKED BY:	L. CHADWICK
APPROVED BY:	P. SCORESBY
HORIZONTAL SCALE:	1" = 40'
VERTICAL SCALE:	N/A

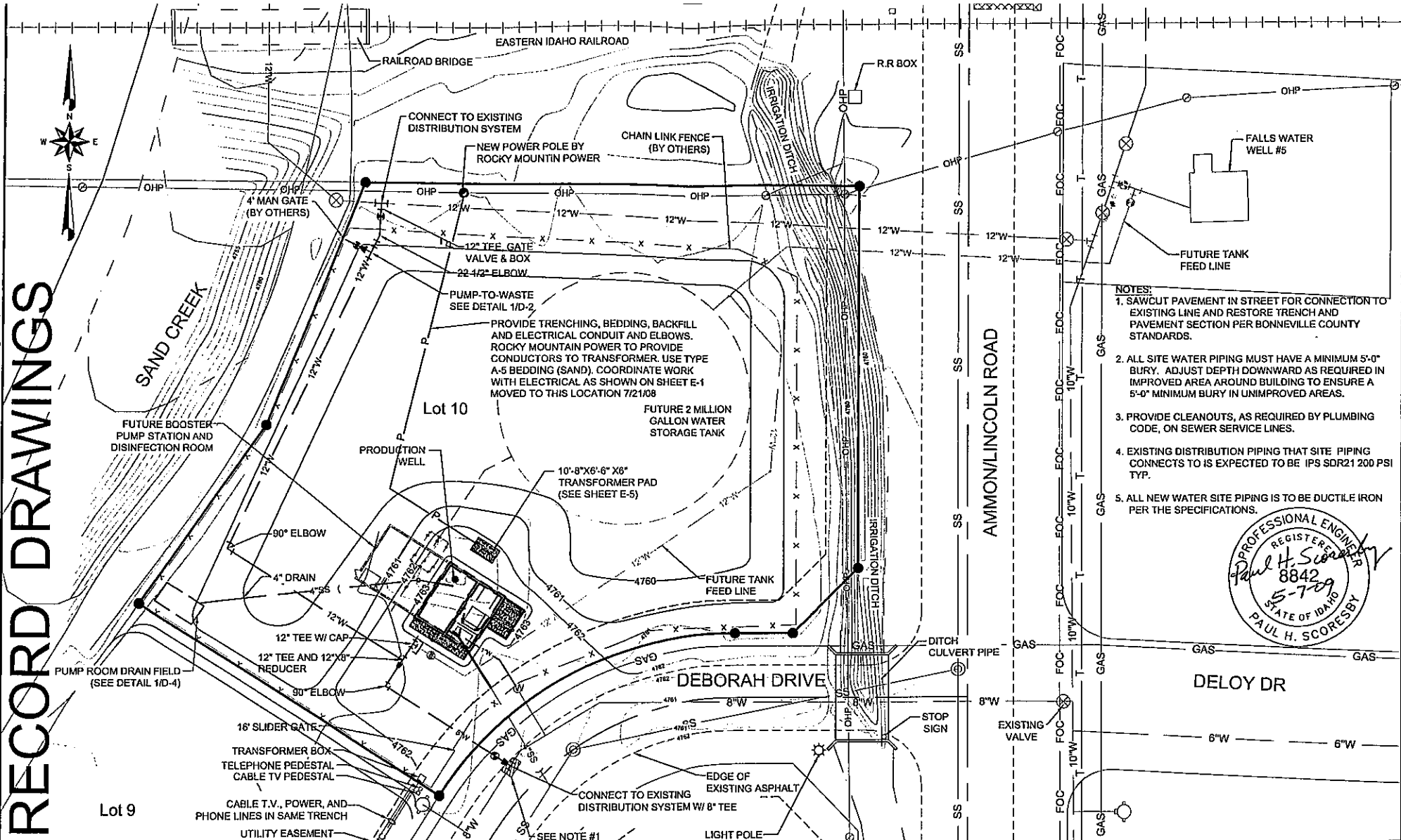


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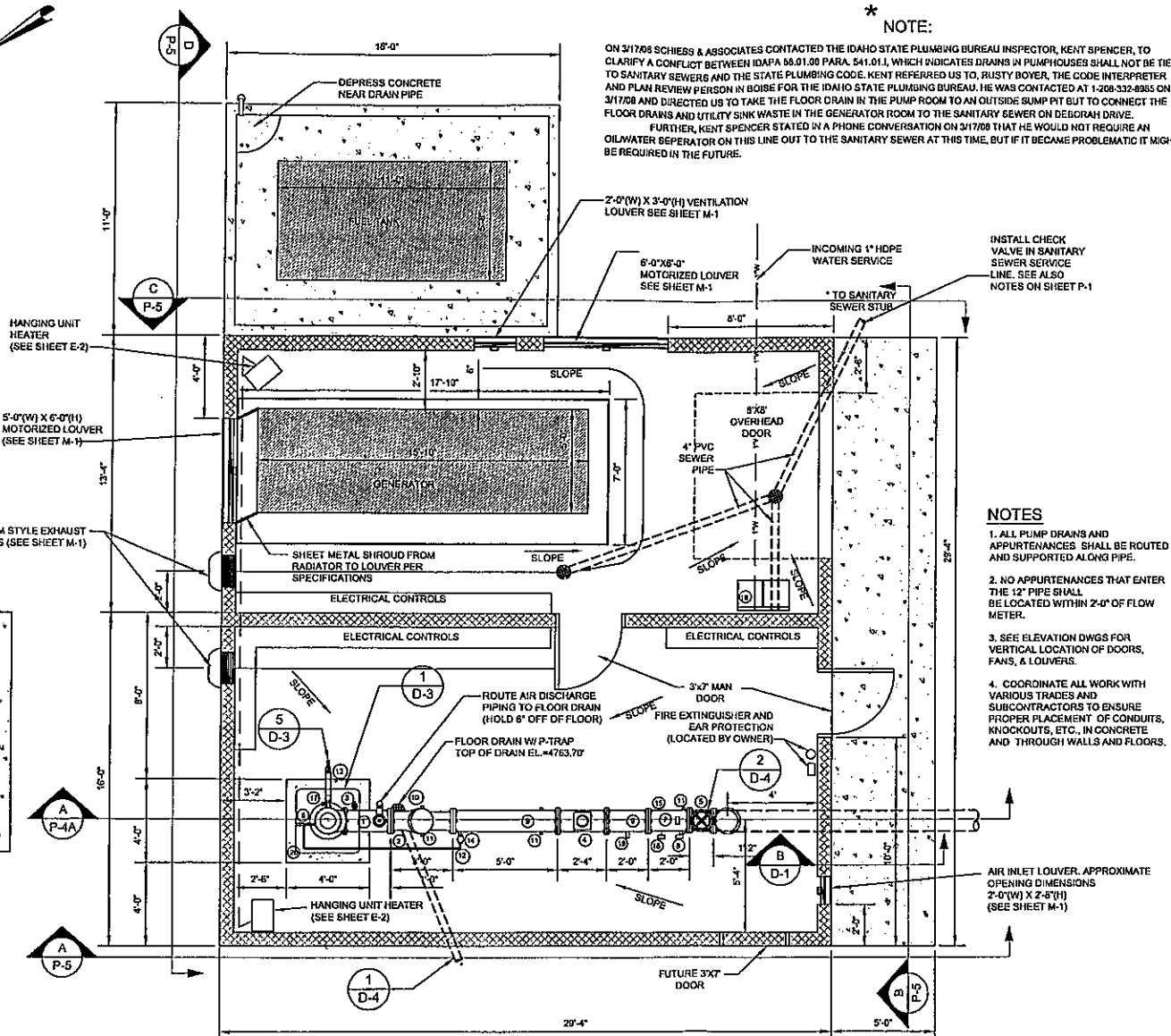
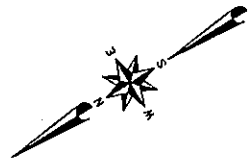
WATER SYSTEM IMPROVEMENTS
WELLHOUSE FOR WELL #9
WELL & WELLHOUSE
SITE PLAN

SHEET
C-1
REV. NO.



Location: NESE, Section 10, T2N, R38E

Well 9, sheet 1/2



ON 3/17/08 SCHIESS & ASSOCIATES CONTACTED THE IDAHO STATE PLUMBING BUREAU INSPECTOR, KENT SPENCER, TO CLARIFY A CONFLICT BETWEEN IDAPA 55.01.00 PARA. 541.01.1, WHICH INDICATES DRAINS IN PUMPHOUSES SHALL NOT BE TIED TO SANITARY SEWERS AND THE STATE PLUMBING CODE. KENT REFERRED US TO, RUSTY BOYER, THE CODE INTERPRETER AND PLAN REVIEW PERSON IN BOISE FOR THE IDAHO STATE PLUMBING BUREAU. HE WAS CONTACTED AT 1-208-332-4995 ON 3/17/08 AND DIRECTED US TO TAKE THE FLOOR DRAIN IN THE PUMP ROOM TO AN OUTSIDE SUMP PIT BUT TO CONNECT THE FLOOR DRAINS AND UTILITY SINK WASTE IN THE GENERATOR ROOM TO THE SANITARY SEWER ON DEBORAH DRIVE. FURTHER, KENT SPENCER STATED IN A PHONE CONVERSATION ON 3/17/08 THAT HE WOULD NOT REQUIRE AN OIL/WATER SEPARATOR ON THIS LINE OUT TO THE SANITARY SEWER AT THIS TIME, BUT IF IT BECAME PROBLEMATIC IT MIGHT BE REQUIRED IN THE FUTURE.

* NOTE:

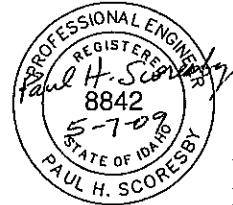
BUILDING DESIGN CRITERIA (IBC 2006)	
WIND ZONE:	90 MPH, 3 SEC. GUST, EXP. C
SEISMIC ZONE:	D
ROOF SNOW LOAD:	30 PSF
FROST DEPTH:	2'-8"
SOIL BEARING PRESSURE:	1500 PSF (ASSUMED)
OCCUPANCY CLASSIFICATION:	F-2
OCCUPANCY CATEGORY:	IV (TABLE 1604.5)

MECHANICAL EQUIPMENT SCHEDULE

- ① 2" COMBINATION AIR RELEASE AND VACUUM VALVE
- ② 12" CHECK VALVE
- ③ SAMPLE PORT, NO THREADS, SMOOTH
- ④ FLOW METER
- ⑤ 12" RESILIENT WEDGE GATE VALVE SUPPLIED W/ HAND WHEEL
- ⑥ WELL WATER DEPTH TRANSDUCER, CABLE IN PE PIPE TERMINATING AT JUNCTION BOX 2 FEET FROM DISCHARGE HEAD
- ⑦ PRESSURE GAUGE
- ⑧ PUMP CONTROL TRANSDUCER W/ ISOLATION BALL VALVE
- ⑨ 12" FLANGED DIP, ONLY ONE FIELD FLANGE IS ALLOWED IN PIPE ASSEMBLY
- ⑩ 8" FLOOR DRAIN W/P-TRAP AND 4" OUTLET PIPE
- ⑪ PIPE SUPPORT, 3 REQUIRED (SEE DETAIL 4ID4)
- ⑫ 3/4" COPPER PRELUBE LINE. PRELUBE BALL VALVE IS TO ALWAYS REMAIN OPEN WHEN WELL PUMP IS IN SERVICE.
- ⑬ ROUTE PUMP GLAND DRAIN TO FLOOR DRAIN WITH 3/4" GALVANIZED PIPE
- ⑭ BALL VALVE W/SADDLE OR DIRECT TAP NEXT TO PIPE ON PRELUBE LINE
- ⑮ A PRESSURE SWITCH FOR HIGH PRESSURE CUTOFF.
- ⑯ SCADA MONITORING TRANSDUCER W/ ISOLATION BALL VALVE
- ⑰ ROSCOSS SAND TESTER BY ROSCOE MOSS CO. W/ ISOLATION BALL VALVE. SEE DETAIL 2D-2
- ⑱ STAINLESS STEEL DOUBLE COMPARTMENT SINK WITH BACK MOUNT SINK FAUCET. SEE DETAIL 3D-2
- ⑲ CHLORINE INJECTION PORT AND ASSEMBLY
- ⑳ HOSE BIB ON PRELUBE LINE FOR MANUAL PRELUBE WHEN PUMPING TO WASTE.

NOTES

1. ALL PUMP DRAINS AND APPURTENANCES SHALL BE ROUTED AND SUPPORTED ALONG PIPE.
2. NO APPURTENANCES THAT ENTER THE 12" PIPE SHALL BE LOCATED WITHIN 2'-0" OF FLOW METER.
3. SEE ELEVATION DWGS FOR VERTICAL LOCATION OF DOORS, FANS, & LOUVERS.
4. COORDINATE ALL WORK WITH VARIOUS TRADES AND SUBCONTRACTORS TO ENSURE PROPER PLACEMENT OF CONDUITS, KNOCKOUTS, ETC., IN CONCRETE AND THROUGH WALLS AND FLOORS.



REVISIONS TO DRAWINGS			
NO.	DESCRIPTION	REV. BY	DATE

PROJECT NO.	04192 PHASE II
DATE	MARCH 2008
DESIGNED BY	P. SCORESBY
DRAWN BY	T. WHITE
CHECKED BY	L. CHADWICK
APPROVED BY	P. SCORESBY
HORIZONTAL SCALE	3/16" = 1'-0"
VERTICAL SCALE	N/A

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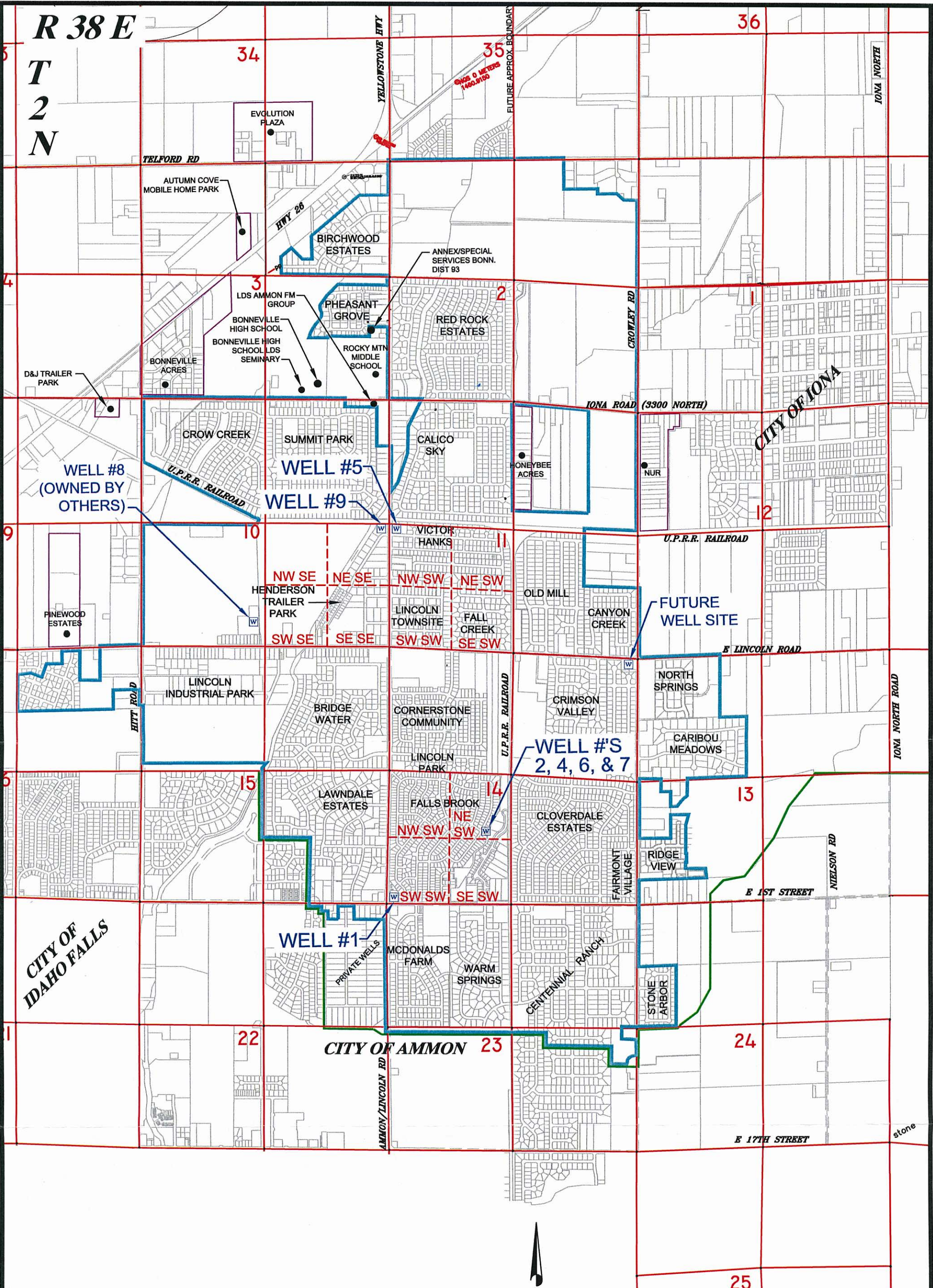
FALLS
WATER
COMPANY

WATER SYSTEM IMPROVEMENTS
WELLHOUSE FOR WELL #9
WELLHOUSE
FACILITY/PIPING PLAN

SHEET	P-2
REV. NO.	

Well 9, sheet 2/2

RECORD DRAWINGS



LEGEND:

- FALLS WATER COMPANY/AMMON WATER SERVICE BORDER
- PRIVATE SYSTEM BOUNDARIES
- SERVICE AREA
- SMALL PUBLIC WATER SYSTEMS
- W FALLS WATER COMPANY WELL



SCALE: N.T.S.



FALLS WATER COMPANY

SERVICE AREA

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