



Application for a State Waste Discharge Permit to Discharge Domestic Wastewater to Ground Water by Land Treatment or Application

This application is for a state waste discharge permit as required by Chapter 90.48 RCW and Chapter 173-216 WAC. Permit applications provide Ecology with information on pollutants in the waste stream, materials that may enter the waste stream, the flow characteristics of the discharge, and site characteristics at the point of discharge.

Ecology may request additional information to clarify the conditions of this discharge. The applicant should reference information previously submitted to Ecology that applies to this application in the appropriate section.

SECTION A. GENERAL INFORMATION

- | | | |
|----|--|---|
| 1. | Applicant Name: | Loon Lake Sewer District No. 4 |
| 2. | Facility Name:
(if different from applicant) | Wastewater Treatment Plant |
| 3. | Applicant Address: | P.O. Box 98
Street

Loon Lake WA 99148
City/State Zip |
| 4. | Facility Location Address:
(if different from above) | 3963 Christensen Road
Street

Loon Lake WA 99148
City/State Zip |
| 5. | Latitude/longitude of the processing facility as decimal degrees (NAD83/WGS84):
<u>48.072</u> / <u>117.626</u> | |
| 6. | Latitude/longitude of sprayfield/infiltration site discharge location (approximate center) as decimal degrees (NAD83/WGS84):
<u>40.061</u> / <u>117.625</u> | |
| 7. | Person to contact who is familiar with the information contained in this application: | |
| | Brooke Lyons
Name | District Manager
Title |
| | 509 233 8132
Telephone Number | 509 233 3029
Fax Number |
| | | llsd4bl@gmail.com
Email |

FOR ECOLOGY USE ONLY	Check One	New/Renewal <input type="checkbox"/>	Modification <input type="checkbox"/>	
Date Application Received	_____	Application/Permit No.	_____	
Date Application Accepted	_____	Date Fee Paid	_____	

8. Check One:

Permit Renewal (including renewal of temporary permits)

Does this application request a greater amount of wastewater discharge, a greater amount of pollutant discharge, or a discharge of different pollutants than specified in the last permit application for this facility? YES NO

For permit renewals, the current permit is an attachment, by reference, to this application.

Permit Modification

Existing Unpermitted Discharge

Proposed Discharge

Anticipated date of discharge:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and/or imprisonment for knowing violations.

Holly S Shamberger
Signature*

5-24-2016
Date

Chair of Board of Commissioners
Title

Holly Shamberger
Printed Name

*Applications must be signed by either a principal executive officer or a ranking elected official. If these titles do not apply to your organization, the person who makes budget decisions for this facility must sign the application. For state facilities, this is typically a program manager.

The application signatory may delegate signature authority for submittals required by the permit, such as monthly reports, to a suitable employee. You can delegate this authority to a qualified individual or to a position, which you expect to fill with a qualified individual. If you wish to delegate signature authority, please complete the following:

Brooke Lyons
Signature of delegated employee

5/26/2016
Date

District Manager
Title or function at the facility

Brooke Lyons
Printed name

Discharge Monitoring Report (DMR) Signature Authorization Form



DEPARTMENT OF
ECOLOGY
State of Washington

Facility Name: Loon Lake Sewer Dist #4 NPDES/State Permit No.: ST-8019

Responsible Official:

(A principal executive officer or ranking elected official can designate an individual or position for signing DMRs. A new form is required if the Responsible Official changes)

Name: <u>Holly Shamberger</u>	Title: <u>Chair of the Board</u>
Signature: <u>Holly Shamberger</u>	Date: <u>5/26/2016</u>

Individual/s Receiving Signature Authorization:

Name:	Mailing Address:	
Title:	City:	State:
Email:	Zip:	Phone: ()

Name:	Mailing Address:	
Title:	City:	State:
Email:	Zip:	Phone: ()

If designating a position, use the section below:

Position: <u>Class I Operator</u>	Mailing Address: <u>P.O. Box 98</u>	
	City: <u>Loon Lake</u>	State: <u>WA</u>
Email: <u>LLSD4BL@GMAIL.COM</u>	Zip: <u>99148</u>	Phone: <u>(509) 233-8132</u>

Return to: WQ PERMIT COORDINATOR
DEPARTMENT OF ECOLOGY
4601 N MONROE STREET
SPOKANE WA 99205

Ecology is an equal opportunity employer. To receive this document in alternative format, contact the Water Quality Program at (360) 407-7529 (voice) or 1-800-833-6388 (TTY).

SECTION B. TREATMENT PLANT INFORMATION

1. Identify all industries, commercial facilities or communities discharging to this publicly owned treatment works (POTW) by name, type of industry, address, telephone number and contact name. Attach extra sheet(s) if needed and label as attachment B1.

	INDUSTRY #1	INDUSTRY #2
NAME:	Deer Lake Sewer System (Stevens County PUD No. 1)	N/A
INDUSTRY:	Domestic Sewer System	
ADDRESS:	3955 Third Avenue, Loon Lake, WA 99148	
TELEPHONE:	509-233-2534	
CONTACT NAME:	Darrel Hawes	
INDUSTRIAL PRODUCT(S):	N/A	

2. POTW design and operation manuals available for this treatment facility:

Type of Manual	Date	Is there a copy at the POTW?
<input checked="" type="checkbox"/> Engineering Report	8/1998	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<input checked="" type="checkbox"/> Operation and Maintenance Manual	12/2009	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<input checked="" type="checkbox"/> Crop Management Plan	6/2014	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
<input checked="" type="checkbox"/> Sprayfield Management Plan	6/2014	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

3. POTW Design Data:

a. Average Influent Flow for Maximum Month (MGD):	0.254
b. Influent BOD Load (lbs/day):	600
c. Influent SS Load (lbs/day):	200
d. Began Operation (year):	1986
e. Last Major Upgrade (year):	1998
f. Planned Upgrades (year):	2050
g. Design Population:	2300
h. Actual Population:	1,578
i. Sprayfield loading - attach copy of the irrigation schedule if schedule if available	13,000 PPD TN

4. Are there plans to modify this facility within the next five years? If so, briefly describe what and when.

No.

5. Attach a simple schematic drawing of the POTW. (*Label as attachment B.5. Attachments should be 11 x 17" or smaller*). The schematic should show all treatment processes (from B.6 below), flow direction and flow quantities in million gallons per day (MGD) or gallons per day (GPD).
6. Identify the type and number of unit processes at this facility.

Treatment	Unit Process	Number of Units
Lift stations	In collection system	789
	At head of plant	1 + 1 standby
Preliminary treatment	Manually operated bar screens	
	Mechanically operated bar screens	
	Grit removal	
	Pre-aeration	
	Comminutors/grinders	
	Other (<i>specify</i>)	
Primary Treatment	Primary Sedimentation Tank/Clarifiers	
	Septic tanks	786
	Other (<i>specify</i>)	
Secondary Treatment	Oxidation Ditch	
	Package Plant - Activated Sludge	
	Package Plant - Physical/Chemical	
	Aerated Lagoon	1
	Non-aerated Lagoon/Facultative Lagoon	
	Rotating Biological Contact	
	Secondary Clarifiers	
	Trickling Filter	
	Polishing Ponds	
	Other (<i>specify</i>)	
Additional Treatment	Coagulation	
	Filtration	
	Storage (Lined Lagoon)	3
	Storage (Unlined Lagoon)	
	Other (<i>specify</i>)	
Land Treatment or Application	Drainfield	
	Rapid Infiltration/Infiltration Lagoon	
	Constructed Wetland	
	Sprinkler Irrigation	1
	Flood Irrigation	
	Ridge and Furrow Irrigation	
	Subsurface Irrigation	
	Other (<i>specify</i>)	
Disinfection	Chlorination	
	Ultraviolet	
	Other	

SECTION C. WASTEWATER INFORMATION

1. The average influent flow to the plant for the maximum month for at least the last 12 months: *142,451 gallons/day*
2. The maximum daily flow applied to the land treatment/application site for the last 12 months: *607,092 gallons/day 0.34 inches/day, 4.4 inches/month at max. month*
3. Describe how the influent and effluent flow are measured? *Magnetic Flow Meters*
4. Attach flow records for at least the last 12 months. (*Label as attachment C.4.*)
5. Describe the collection method for the samples analyzed below (*i.e.*, grab, 24-hour composite). Applicants must collect grab samples (not composites) for analysis of pH, temperature, cyanide, total phenols, residual chlorine, oil and grease, fecal coliform (including *E. coli*), and Enterococci (previously known as fecal streptococcus at § 122.26 (d)(2)(iii)(A)(3)), or volatile organics.

Samples are collected per table in Section S2.A of the State Waste Discharge Permit. Influent samples are collected with a 24-hour composite sampler and effluent samples are collected as grab samples.

6. Provide measurement values or range of measurements for treated wastewater prior to land treatment/application for the parameters with an "X" in the left column of the table below. If you obtain the application from the Internet, contact Ecology's regional office to see if testing for a subset of these parameters is permissible. All analyses (except pH) must be conducted by a laboratory registered or accredited by Ecology (WAC 173-216-125). If this is an application for permit renewal, provide data for the last year for parameters that are routinely measured. For parameters measured only for this application, place the values under "Maximum." Report the values with units as specified in the parameter name or in the detection level.

The Permittee must use the specified analytical methods, detection limits (DLs) and quantitation levels (QLs) in the following table unless Ecology approves an alternate method or the method used produces measurable results in the sample and EPA has listed it as an EPA approved method in 40 CFR Part 136. If the Permittee uses an alternative method as allowed above, it must report the test method, DL, and QL on the discharge monitoring report or in the required report.

X	Parameter	Measurement Values			Number of Analyses	Analytical Method Std. Methods 19 th , 20 th edition or EPA	Detection Limit/Quantitation Level
		Minimum	Maximum	Average			
	BOD (5 day)	1.0	15.0	8.7	6	SM 5210 B	/2 mg/l
	COD					SM 5220 D	/10 mg/l
	Total suspended solids	4.0	70.0	32.0	6	SM 2540 D	/5 mg/l
	Total dissolved solids	310	360	335	3	SM 2540 C	
	Conductivity (micromhos/cm)	440	450	445	2	SM 2510 B	
	Ammonia-N as N	0.26	7.60	4.05	3	SM 4500-NH ₃ C	/0.3 mg/L
	pH	7.6	9.9	8.8	6	SM 4500-H	0.1 standard units
	Total Residual Chlorine					SM4500-Cl G	50/ µg/L L
	Fecal coliform (organisms/100 mL)	2	105	28	13	SM 9221 E or 9222 D	
	Total coliform (organisms/100 mL)					SM 9221 B or 9222 B	
	Dissolved oxygen					SM 4500-O C/G	
	Nitrate + nitrite-N as N	0.36	0.52	0.47	3	SM 4500-NO ₃ E	100 µg/L
	Total kjeldahl N as N	4.48	10.60	6.64	6	SM 4500-N _{org} C/E/FG	300 µg/l
	Ortho-phosphate-P as P	0.90	2.40	1.55	4	SM 4500-P E/F	10 µg/l
	Total-phosphorous-P as P	1.00	3.30	2.13	4	SM 4500-P E/P/F	10 µg/l
	Total Oil & grease					EPA 1664A	1.4/5 mg/l
	NWTPH - Dx					Ecology NWTPH Dx	250/250 µg/l
	NWTPH - Gx					Ecology NWTPH Gx	250/250 µg/l
	Calcium	22.0	29.0	24.8	4	EPA 200.7	10 µg/l
	Chloride	41.7	80.0	52.6	4	SM 4500-Cl C	0.15 µg/l
	Fluoride					SM 4500-F E	.025/0.1 mg/l
	Magnesium					EPA 200.7	10/50 µg/l
	Potassium					EPA 200.7	700/ µg/l
	Sodium					EPA 200.7	29/ µg/l
	Sulfate					SM 4500-SO ₄ C/D	/200 µg/l
	Alkalinity mg/L as CaCO ₃					SM 2320 B	/5 mg/L as CaCO ₃

X	Parameter	Measurement Values			Number of Analyses	Analytical Method Std. Methods 19 th , 20 th edition or EPA	Detection Limit/Quantitation Level
		Minimum	Maximum	Average			
	Arsenic(total)					EPA 200.8	0.1/0.5 µg/l
	Barium (total)					EPA 200.8	0.5/2 µg/l
	Cadmium (total)					EPA 200.8	.05/.25 µg/l
	Chromium (total)					EPA 200.8	0.2/1 µg/l
	Copper (total)					EPA 200.8	0.4/2 µg/l
	Iron (total)					EPA 200.7	12.5/50 µg/l
	Lead (total)					EPA 200.8	0.1/0.5 µg/l
	Manganese (total)					EPA 200.8	0.1/0.5 µg/l
	Mercury (total) pg/L					EPA 1631E	0.2/.5 µg/l
	Molybdenum (total)					EPA 200.8	0.1/0.5 µg/l
	Nickel (total)					EPA 200.8	0.1/0.5 µg/l
	Selenium (total)					EPA 200.8	1/1 µg/l
	Silver (total)					EPA 200.8	.04/.2 µg/l
	Zinc (total)					EPA 200.8	0.5/2.5 µg/l

Detection level (DL) or detection limit means the minimum concentration of an analyte (substance) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero as determined by the procedure given in 40 CFR part 136, Appendix B.

Quantitation Level (QL) also known as Minimum Level of Quantitation (ML) – The lowest level at which the entire analytical system must give a recognizable signal and acceptable calibration point for the analyte. It is equivalent to the concentration of the lowest calibration standard, assuming that the lab has used all method-specified sample weights, volumes, and cleanup procedures. The QL is calculated by multiplying the MDL by 3.18 and rounding the result to the number nearest to $(1, 2, \text{ or } 5) \times 10^n$, where n is an integer. (64 FR 30417).

ALSO GIVEN AS:

The smallest detectable concentration of analyte greater than the Detection Limit (DL) where the accuracy (precision & bias) achieves the objectives of the intended purpose. (Report of the Federal Advisory Committee on Detection and Quantitation Approaches and Uses in Clean Water Act Programs Submitted to the US Environmental Protection Agency December 2007).

7. Has the effluent been analyzed for any other parameters than those identified in question C.6, or are there other pollutants that you know of or believe to be present?
 YES NO

If yes, specify the pollutants and their concentration if known (*attach laboratory analyses if available and label as Attachment C.6*). (*Note: Ecology may require additional testing.*)

SECTION D. GROUNDWATER INFORMATON

Provide available data measurements or range of measurements from monitoring wells or supply wells in the area of discharge. Provide the analytical method and detection limit, if known. Provide the location of each well on the map required in E.3 below. Attach well logs when available (*label as Attachment D*). Copy this page as necessary for each well (*label as Attachment D*). Provide the latitude and longitude in decimal format.

Ecology Well Tag ID # AHJ399
(*exampleAAB123*)

Well ID # MW-1 (*example MW-1*)

Latitude: 48.075

Longitude: 117.625

Well Elevation (to the nearest 0.01 feet) 2439.84 Check the appropriate box; the elevation measurement is relative to: the NAVD88 standard mean sea level

Parameter	Units	Range of Measurements	Number of Analyses	Analytical Method	Detection Limit
BOD (5 day)	mg/L				
COD	mg/L				
Total organic carbon	mg/L				
Dissolved Fixed Solids	mg/L				
Total dissolved solids	mg/L	470-480	4	SM2540C	20
pH	Standard units	6.54-7.51	4	SM4500-H+B	N/A
Conductivity	(micromhos/cm)				
Alkalinity	mg/L as CaCO ₃				
Total hardness	mg/L				
Fecal coliform	organisms/100mL				
Total coliform	organisms/100mL				
Dissolved oxygen	mg/L				
Ammonia-N as N	mg/L	<0.02	2	SM4500-NH3	0.02
Nitrate + nitrite-N, as N	mg/L	0.5-0.32	4	SM4500-NO3	0.10
Total kjeldahl N as N	mg/L	0.56	2	SM4500-Norg	0.30
Ortho-phosphate-P as P	mg/L				
Total-phosphorus-P as P	mg/L				
Total Oil & Grease	mg/L				
Total petroleum hydrocarbon	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Calcium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Chloride	<input checked="" type="checkbox"/> mg/L <input type="checkbox"/> µg/l	2.48	1	SM4500-Cl ⁻	0.50
Fluoride	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Magnesium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Potassium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Sodium	<input checked="" type="checkbox"/> mg/L <input type="checkbox"/> µg/l	7.50	1	SM3500-Na ⁺	0.005
Sulfate	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Barium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Cadmium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Chromium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Copper	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Iron	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Lead	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Manganese	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Mercury	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Selenium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Silver	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Zinc	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Depth to water level (to the nearest .01 feet)		88.47-90.82	12	N/A	N/A

Ecology Well Tag ID # AHJ398
 (exampleAABI23)

Well ID # MW-2 (example MW-1)

Latitude: 48.071

Longitude: 117.625

Well Elevation (to the nearest 0.01 feet) 2434.61 Check the appropriate box; the elevation measurement is relative to: the NAVD88 standard mean sea level

Parameter	Units	Range of Measurements	Number of Analyses	Analytical Method	Detection Limit
BOD (5 day)	mg/L				
COD	mg/L				
Total organic carbon	mg/L				
Dissolved Fixed Solids	mg/L				
Total dissolved solids	mg/L	120-130	4	SM2540C	20
pH	Standard units	5.97-6.71	4	SM4500-H+B	N/A
Conductivity	(micromhos/cm)				
Alkalinity	mg/L as CaCO ₃				
Total hardness	mg/L				
Fecal coliform	organisms/100mL				
Total coliform	organisms/100mL				
Dissolved oxygen	mg/L				
Ammonia-N as N	mg/L	<0.02	2	SM4500-NH3	0.02
Nitrate + nitrite-N, as N	mg/L	0.2-0.82	4	SM4500-NO3	0.10
Total kjeldahl N as N	mg/L	0.56	2	SM4500-Norg	0.30
Ortho-phosphate-P as P	mg/L				
Total-phosphorus-P as P	mg/L				
Total Oil & Grease	mg/L				
Total petroleum hydrocarbon	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Calcium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Chloride	<input checked="" type="checkbox"/> mg/L <input type="checkbox"/> µg/l	<0.5	1	SM4500-Cl ⁻	0.50
Fluoride	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Magnesium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Potassium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Sodium	<input checked="" type="checkbox"/> mg/L <input type="checkbox"/> µg/l	4.7	1	SM3500-Na	0.005
Sulfate	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Barium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Cadmium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Chromium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Copper	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Iron	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Lead	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Manganese	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Mercury	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Selenium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Silver	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Zinc	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Depth to water level (to the nearest .01 feet)		81.92-84.00	12	N/A	N/A

Ecology Well Tag ID # AHJ397

Well ID # MW-3 (example MW-1)

(example AABI23)

Latitude: 48.075

Longitude: 117.621

Well Elevation (to the nearest 0.01 feet) 2437.24 Check the appropriate box; the elevation measurement is relative to: the NAVD88 standard mean sea level

Parameter	Units	Range of Measurements	Number of Analyses	Analytical Method	Detection Limit
BOD (5 day)	mg/L				
COD	mg/L				
Total organic carbon	mg/L				
Dissolved Fixed Solids	mg/L				
Total dissolved solids	mg/L	540-590	4	SM2540C	20
pH	Standard units	6.14-7.25	4	SM4500-H+B	N/A
Conductivity	(micromhos/cm)				
Alkalinity	mg/L as CaCO ₃				
Total hardness	mg/L				
Fecal coliform	organisms/100mL				
Total coliform	organisms/100mL				
Dissolved oxygen	mg/L				
Ammonia-N as N	mg/L	<0.02	2	SM4500-NH3	0.02
Nitrate + nitrite-N, as N	mg/L	0.3-10.5	4	SM4500-NO3	0.10
Total kjeldahl N as N	mg/L	0.56-0.84	2	SM4500-Norg	0.30
Ortho-phosphate-P as P	mg/L				
Total-phosphorus-P as P	mg/L				
Total Oil & Grease	mg/L				
Total petroleum hydrocarbon	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Calcium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Chloride	<input checked="" type="checkbox"/> mg/L <input type="checkbox"/> µg/l	24.82	1	SM4500-Cl ⁻	0.50
Fluoride	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Magnesium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Potassium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Sodium	<input checked="" type="checkbox"/> mg/L <input type="checkbox"/> µg/l	18.0	1	SM3500-Na	0.005
Sulfate	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Barium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Cadmium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Chromium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Copper	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Iron	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Lead	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Manganese	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Mercury	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Selenium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Silver	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Zinc	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Depth to water level (to the nearest .01 feet)		85.27-87.29	12	N/A	N/A

Ecology Well Tag ID # AHJ396
 (exampleAABI23)

Well ID # MW-4 (example MW-1)

Latitude: 48.071

Longitude: 117.625

Well Elevation (to the nearest 0.01 feet) 2435.84 Check the appropriate box; the elevation measurement is relative to: the NAVD88 standard mean sea level

Parameter	Units	Range of Measurements	Number of Analyses	Analytical Method	Detection Limit
BOD (5 day)	mg/L				
COD	mg/L				
Total organic carbon	mg/L				
Dissolved Fixed Solids	mg/L				
Total dissolved solids	mg/L	110-120	4	SM2540C	20
pH	Standard units	5.32-7.49	4	SM4500-H+B	N/A
Conductivity	(micromhos/cm)				
Alkalinity	mg/L as CaCO ₃				
Total hardness	mg/L				
Fecal coliform	organisms/100mL				
Total coliform	organisms/100mL				
Dissolved oxygen	mg/L				
Ammonia-N as N	mg/L	<0.02	2	SM4500-NH3	0.02
Nitrate + nitrite-N, as N	mg/L	0.40-0.51	4	SM4500-NO3	0.10
Total kjeldahl N as N	mg/L	0.56-0.84	2	SM4500-Norg	0.30
Ortho-phosphate-P as P	mg/L				
Total-phosphorus-P as P	mg/L				
Total Oil & Grease	mg/L				
Total petroleum hydrocarbon	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Calcium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Chloride	<input checked="" type="checkbox"/> mg/L <input type="checkbox"/> µg/l	<0.5	1	SM4500-Cl ⁻	0.50
Fluoride	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Magnesium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Potassium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Sodium	<input checked="" type="checkbox"/> mg/L <input type="checkbox"/> µg/l	5.6	1	SM3500-Na	0.005
Sulfate	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Barium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Cadmium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Chromium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Copper	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Iron	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Lead	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Manganese	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Mercury	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Selenium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Silver	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Zinc	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Depth to water level (to the nearest .01 feet)		83.28-85.32	12	N/A	N/A

Ecology Well Tag ID # AHJ395
 (exampleAABI23)

Well ID # MW-5 (example MW-1)

Latitude: 48.075

Longitude: 117.625

Well Elevation (to the nearest 0.01 feet) 2450.32 Check the appropriate box; the elevation measurement is relative to: the NAVD88 standard mean sea level

Parameter	Units	Range of Measurements	Number of Analyses	Analytical Method	Detection Limit
BOD (5 day)	mg/L				
COD	mg/L				
Total organic carbon	mg/L				
Dissolved Fixed Solids	mg/L				
Total dissolved solids	mg/L	260	4	SM2540C	20
pH	Standard units	6.10-7.67	4	SM4500-H+B	N/A
Conductivity	(micromhos/cm)				
Alkalinity	mg/L as CaCO ₃				
Total hardness	mg/L				
Fecal coliform	organisms/100mL				
Total coliform	organisms/100mL				
Dissolved oxygen	mg/L				
Ammonia-N as N	mg/L	<0.02	2	SM4500-NH3	0.02
Nitrate + nitrite-N, as N	mg/L	0.58-0.69	4	SM4500-NO3	0.10
Total kjeldahl N as N	mg/L	0.56-1.68	2	SM4500-Norg	0.30
Ortho-phosphate-P as P	mg/L				
Total-phosphorus-P as P	mg/L				
Total Oil & Grease	mg/L				
Total petroleum hydrocarbon	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Calcium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Chloride	<input checked="" type="checkbox"/> mg/L <input type="checkbox"/> µg/l	<0.5	1	SM4500-Cl ⁻	0.50
Fluoride	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Magnesium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Potassium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Sodium	<input checked="" type="checkbox"/> mg/L <input type="checkbox"/> µg/l	4.0	1	SM3500-Na	0.005
Sulfate	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Barium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Cadmium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Chromium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Copper	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Iron	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Lead	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Manganese	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Mercury	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Selenium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Silver	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Zinc	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Depth to water level (to the nearest .01 feet)		99.2-101.45	12	N/A	N/A

SECTION E. SITE ASSESSMENT

Note: The Department of Ecology Water Resources Section can be consulted for identifying wells within one mile of your site. The local library and local city or county planning offices may be helpful in providing the information required in this section.

1. Give the legal description of the land treatment/application site(s) by section/township/range and latitude/longitude (approximate center of the site; NAD83/WGS84 reference datum). Indicate the owner for each site. Give the acreage of each land treatment/application site(s). Attach a copy of the contract(s) authorizing use of(s) used land for treatment/application. *(Label as attachment E.1)*

70 acres located approximately one half mile North of Loon Lake junction on Highway 395 in the west ½ of Section 27, Township 20 north, Range 41 East Willamette Meridian.

2. If this is a new discharge, list all environmental control permits or approvals needed for this project; for example, SEPA review, engineering reports, hydrogeologic reports, biosolids permits, or air emissions permits. *N/A*

3. Attach an original United States Geological Survey (USGS) 7.5 minute topographic map or aerial photograph that shows the POTW and the land treatment/application site(s).

USGS topographical maps are available from the Department of Natural Resources (360-902-1234), Metsker Maps (206-588-5222), and some local bookstores and internet sites. Show the following on this map: *(Label as attachment E.3.)*

- a. Location and name of internal and adjacent streets.
- b. Surface water drainage systems within ¼ mile of the site.
- c. All wells within 1 mile of the site.
- d. Wastewater discharge points.
- e. Land uses and zoning adjacent to the wastewater application site.
- f. Ground water gradient.

4. Describe the soils on the site using information from local soil survey reports. **Soils information is available from your county conservation district or from information contained in the sites hydrogeologic report.**

(Label as attachment E.4.)

5. Describe the local geology and hydrogeology within one mile of the site. Include any ground water quality data. **The local library, the sites hydrogeologic report, or soil conservation service may have this information.**

(Label as attachment E.5.)

6. List the names and addresses of contractors or consultants who provided information, and cite sources of information by title and author.

Allison Esvelt, P.E., Esvelt Environmental Engineering, LLC

United States Geological Services, National Map, Geographical Coordinate System (WGS84), March 2010.

Washington State Department of Health, Office of Drinking Water, Source Water Assessment Program (SWAP) Maps, December 2009.

Stevens County Comprehensive Plan, Future Land Use Maps, December 2009.

National Resources Conservation Service, National Cooperative Soil Survey, Soil Map – Stevens County, Washington, March 2010.

Washington State Department of Ecology, GIS Technical Services, Colville Water Resources Inventory Area Map, March 2009.

SECTION F. SLUDGE/BIOSOLIDS MANAGEMENT AND DISPOSAL

1. If your wastewater treatment is by lagoon:

Has the depth of the sludge been measured in the last five years?

YES NO (IF yes, include the measurements and a map that shows the approximate measurement sites) *See Attached.*

Will sludge be removed from the lagoon(s) in the next five years? If so, describe the sludge, stabilization, utilization, and disposal methods. Attach extra sheets as necessary.

Biosolids will be dredged from lagoons 1 and 2 in year 2017 and land applied on a nearby permitted land application site.

2. If your wastewater treatment is by methods other than lagoon:

Do you have a Sludge Management Plan? YES NO

Is the Plan approved by:

Local health district? Date approved:

Department of Ecology? Date approved:

3. Does your facility have a biosolids permit issued by Ecology? If so, please provide the permit's number and expiration date.

Biosolids Permit number *General Permit* Permit expiration Date 9/2020

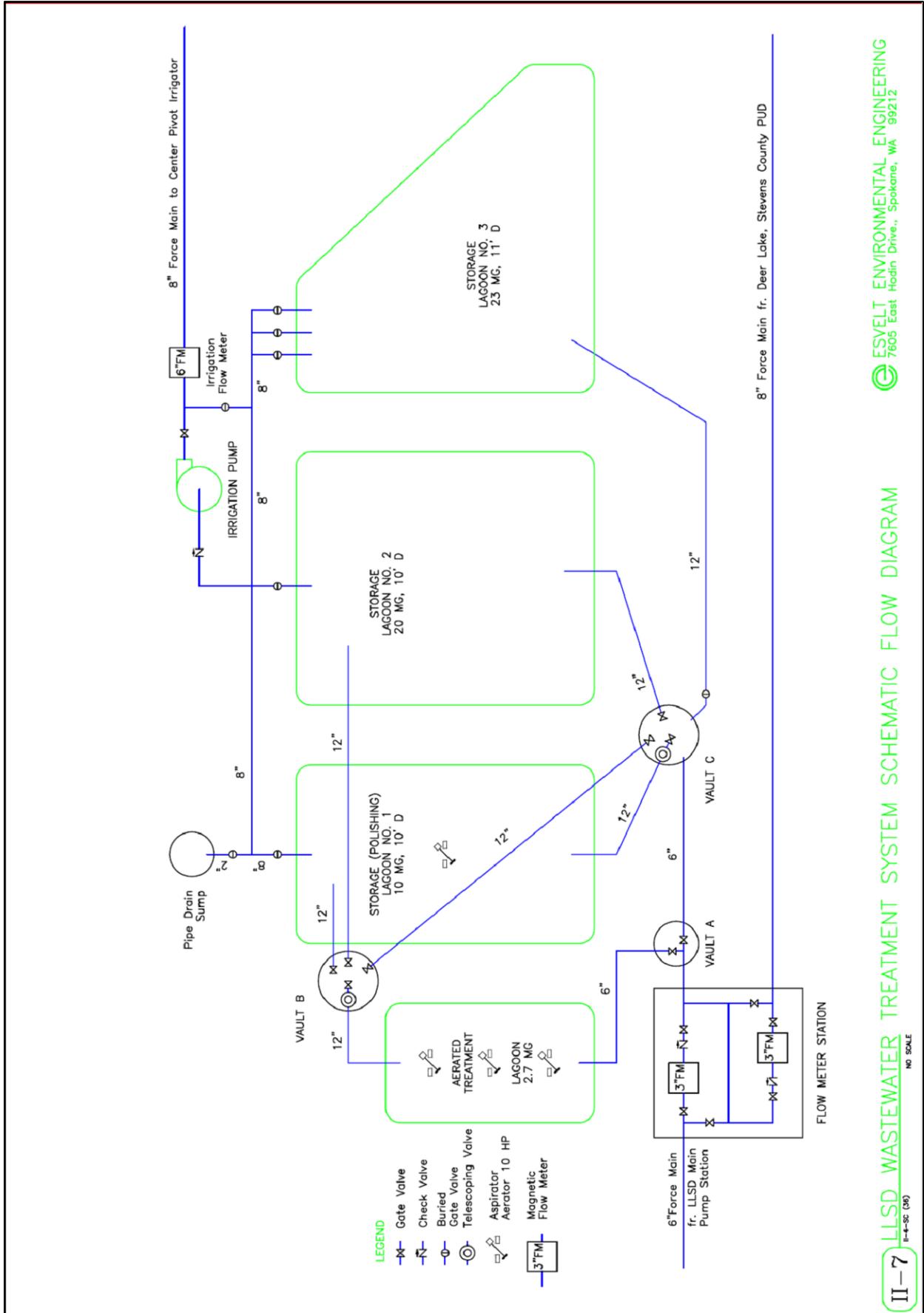
Summary of Attachments That May be Required for This Application:

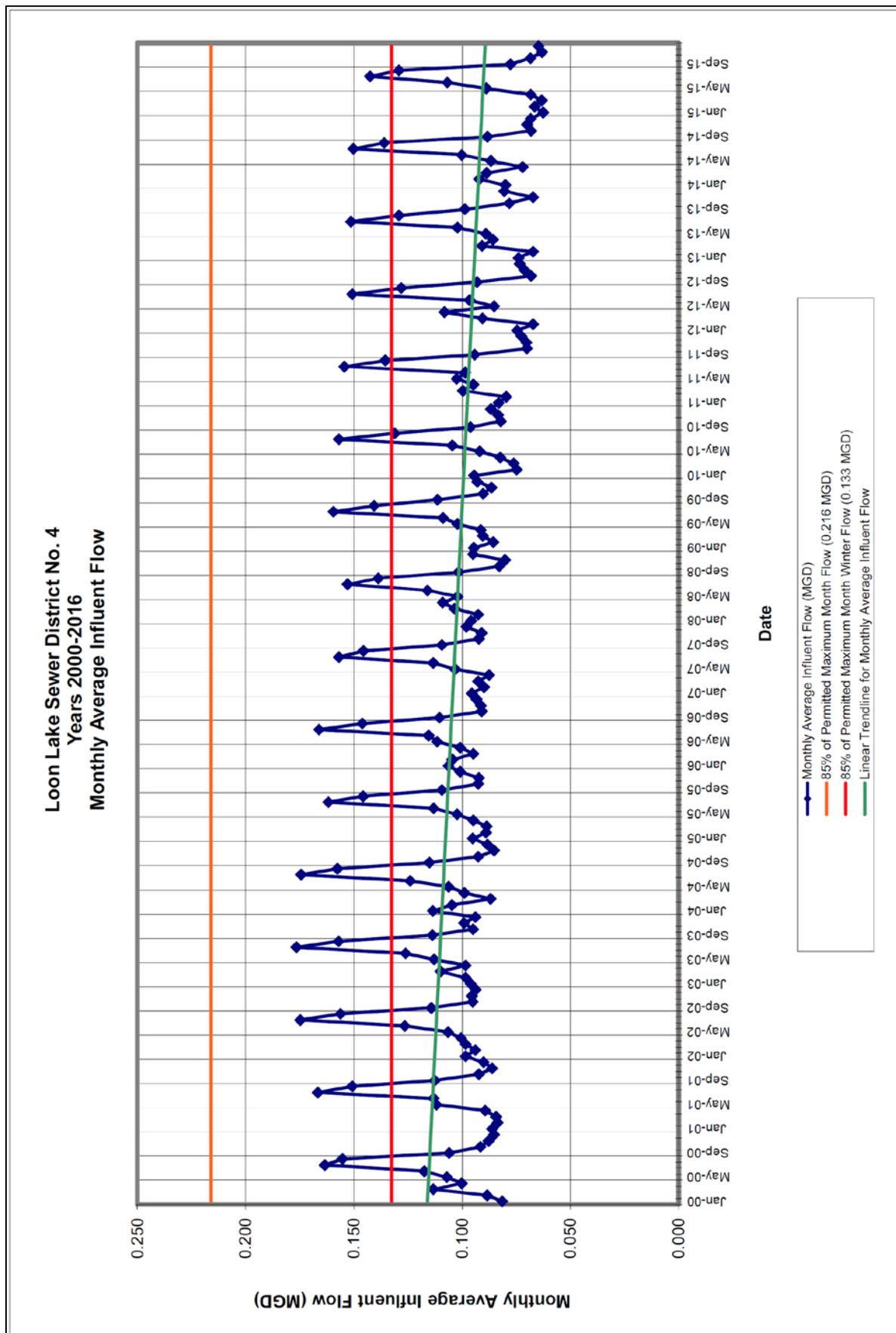
(Please check attachments that are included)

- B.5 Schematic drawing of POTW
- C.4 Flow records
- C.6 Additional effluent analysis
- D. Additional ground water data
- E.1 Copies of contracts authorizing use of land for treatment
- E.3 USGS topographic map
- E.4 Soil information
- E.5 Local geology and hydrogeology

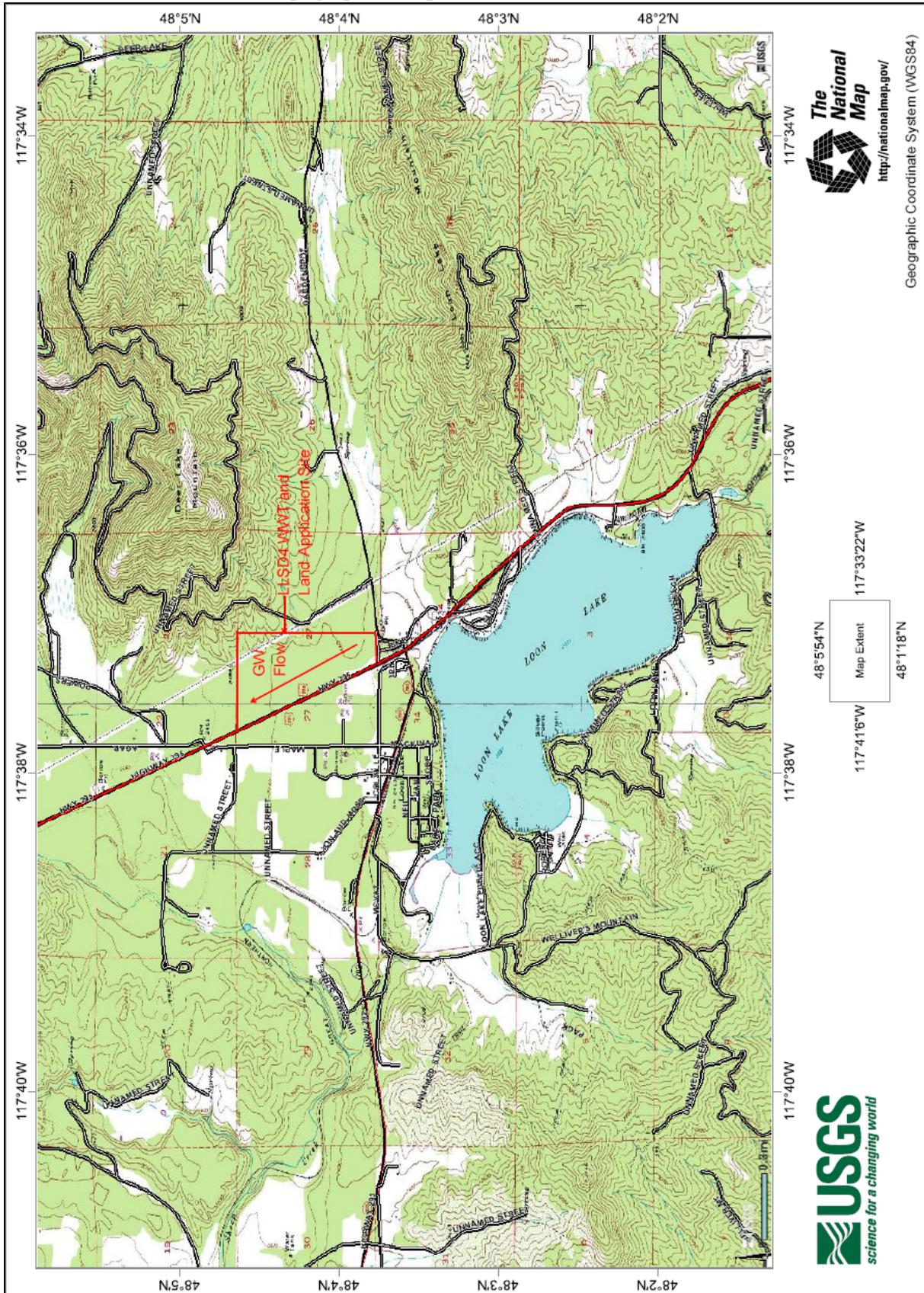
If you need this document in a format for the visually impaired, call the Water Quality Program at 360-407-6600. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

Attachment B.5 – Schematic Diagram of POTW

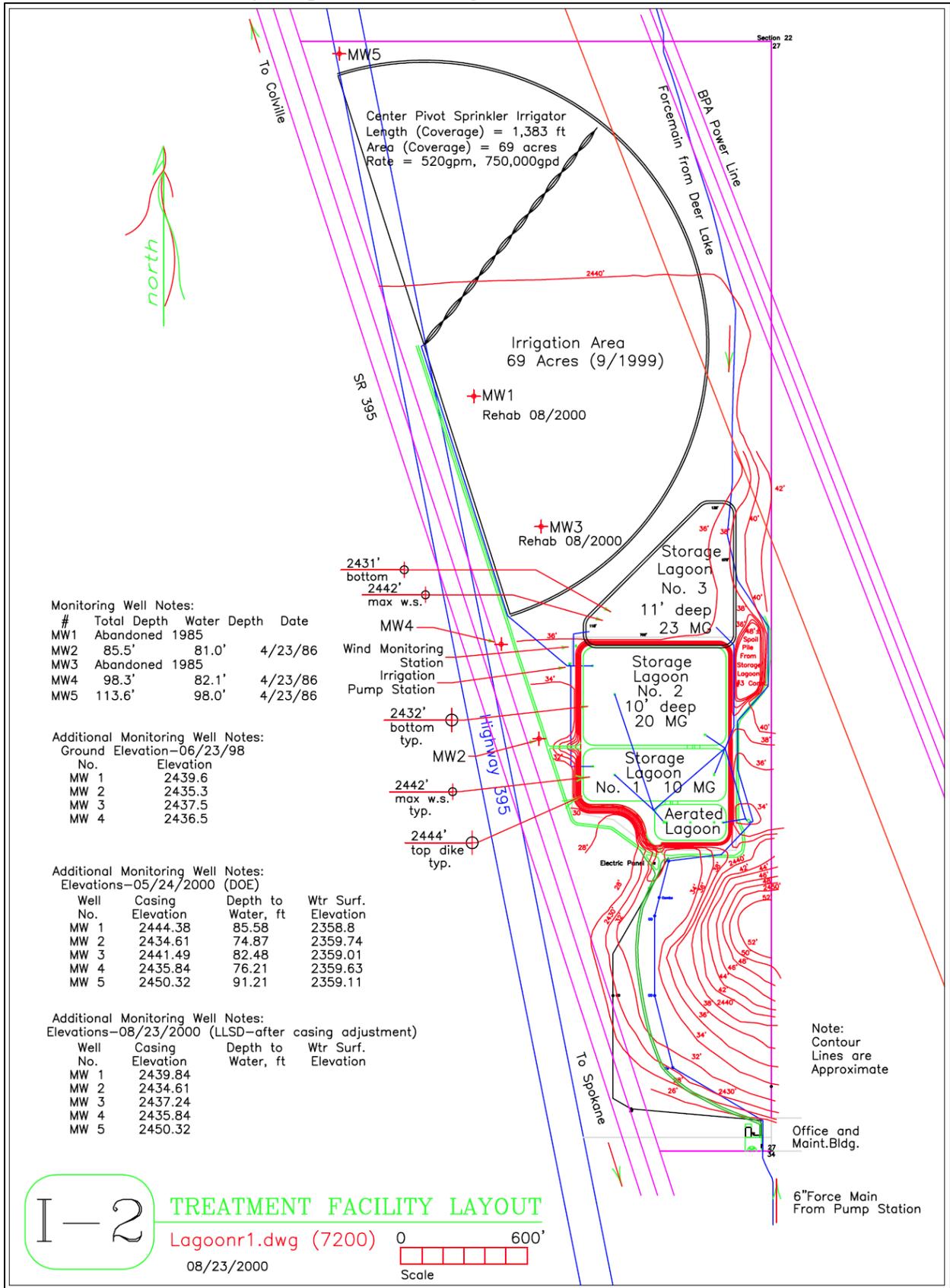




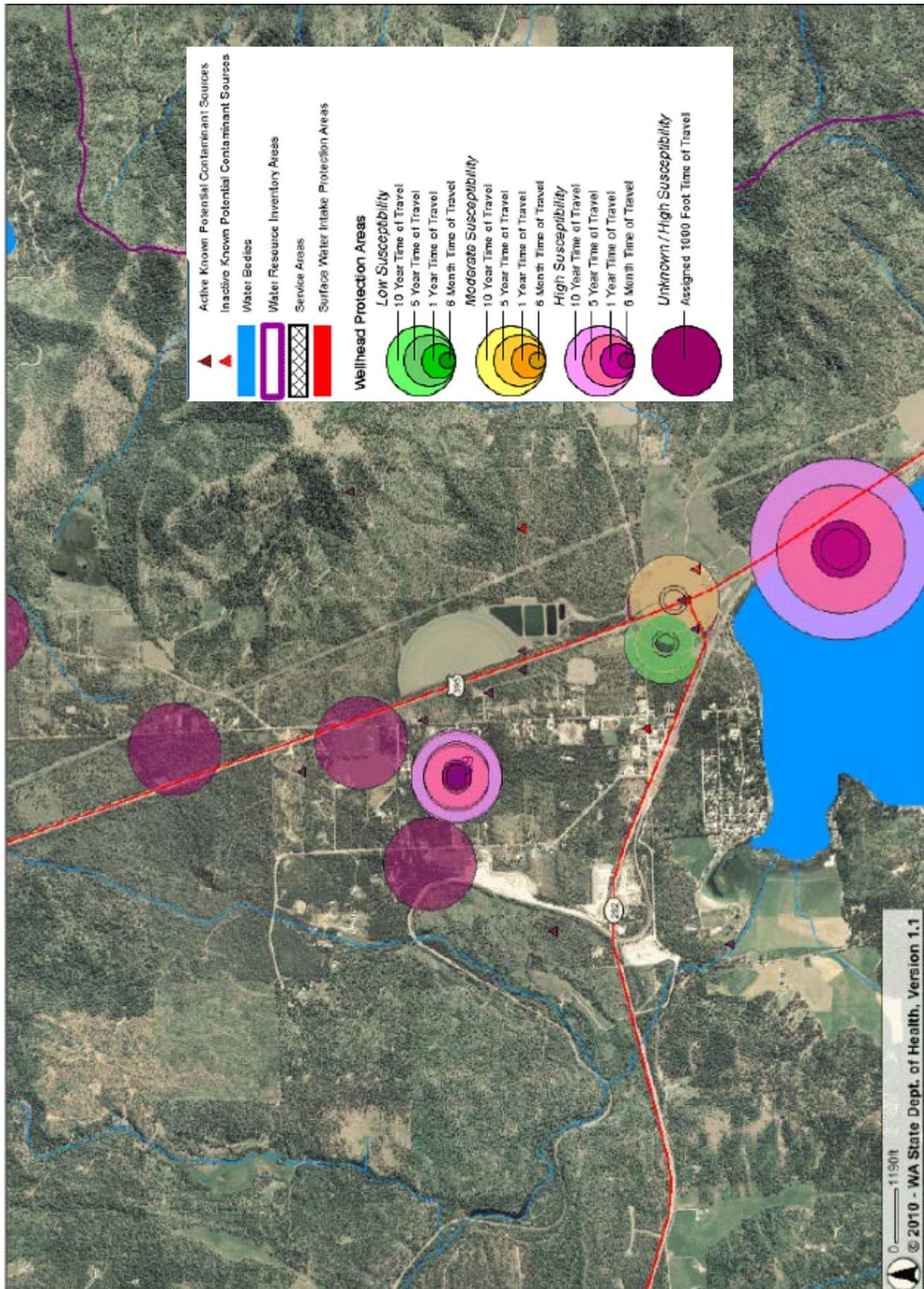
Attachment E.3.2 – USGS Topographic Map



Attachment E.3.3 – Facility Map with Monitoring Well Locations



Attachment E.3.4 – Wells Within 1 mile of Site



Attachment E.3.5 – Land Uses and Zoning Adjacent to Land Application Site – Stevens County

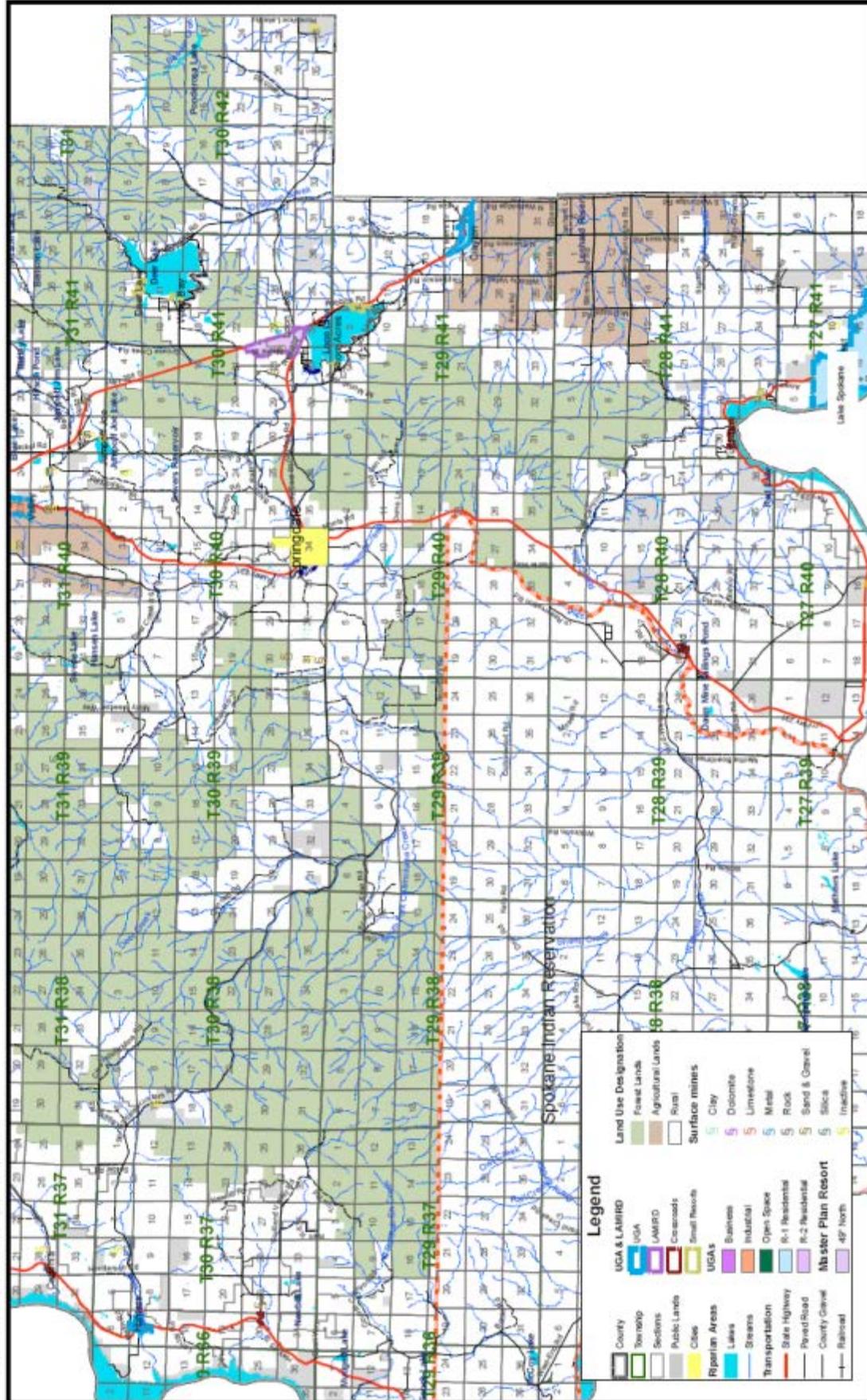
Stevens County Washington
 Stevens County Comprehensive Plan
 Future Land Use Map (Page 4)

December 18, 2008
 BOCC RESOLUTION #59-2006
 BOCC RESOLUTION #16-2008
 BOCC ORDINANCE #2008-06



Prepared by Stevens County Land Services

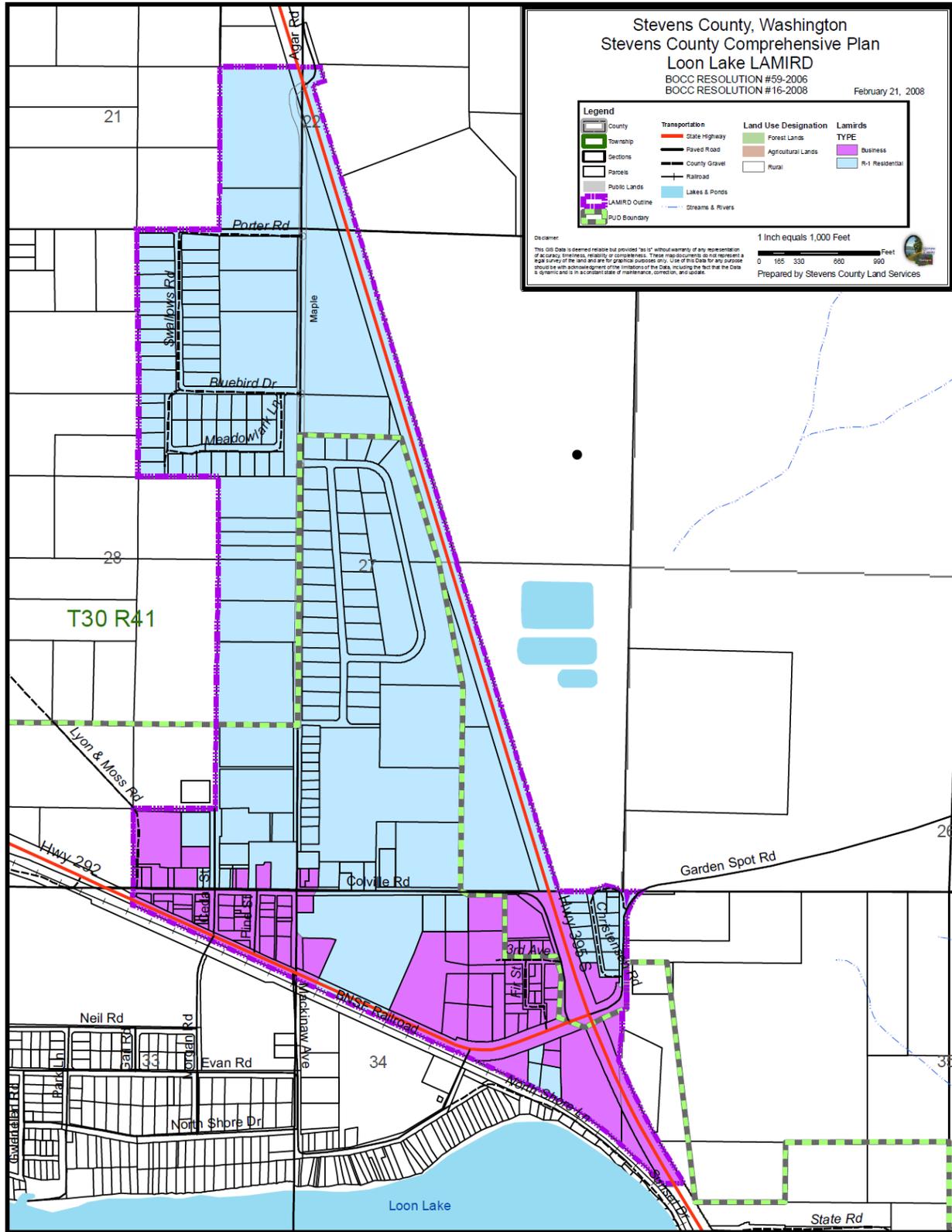
Disclaimer:
 The GIS Data is derived outside but provided "as is" without warranty of any representation,
 accuracy, timeliness, reliability or completeness. These maps documents do not represent a
 guarantee of any kind. The user should be fully responsible for the accuracy of the data, including the best fit to the
 geographic and to its consistent state of information, correction, and update.



Legend

County	UGA & LA/IR/D	Land Use Designation
County	UGA	Forest Lands
Township	LAM/R/D	Agricultural Lands
Sections	Corridor	Rural
Public Lands	Small Records	Surface mines
Class	UGAs	Clay
Riparian Areas	Business	Dolomite
Lakes	Industrial	Limestone
Streams	Open Space	Metal
Transportation	R-1 Residential	Rock
State Highway	R-2 Residential	Sand & Gravel
Power Road	County Gravel	Silica
County Gravel	Master Plan Resort	Inactive
Railroad	497 north	

Attachment E.3.6 – Land Uses and Zoning Adjacent to Land Application Site – Loon Lake, WA



Attachment E.4 – Soil Description at the Site – Loon Lake, WA



Soil Map—Stevens County, Washington
(Loon Lake Sewer District No. 4)

MAP LEGEND

 Area of Interest (AOI)	 Very Stony Spot
 Soils	 Wet Spot
 Soil Map Units	 Other
 Special Point Features	Special Line Features
 Blowout	 Gully
 Borrow Pit	 Short Steep Slope
 Clay Spot	 Other
 Closed Depression	Political Features
 Gravel Pit	 Cities
 Gravelly Spot	 PLSS Township and Range
 Landfill	 PLSS Section
 Lava Flow	Water Features
 Marsh or swamp	 Oceans
 Mine or Quarry	 Streams and Canals
 Miscellaneous Water	Transportation
 Perennial Water	 Rails
 Rock Outcrop	 Interstate Highways
 Saline Spot	 US Routes
 Sandy Spot	 Major Roads
 Severely Eroded Spot	 Local Roads
 Sinkhole	
 Slide or Slip	
 Sodic Spot	
 Spoil Area	
 Stony Spot	

MAP INFORMATION

Map Scale: 1:12,300 if printed on A size (8.5" x 11") sheet.
The soil surveys that comprise your AOI were mapped at 1:24,000. Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: UTM Zone 11N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Stevens County, Washington
Survey Area Data: Version 7, Jun 9, 2009
Date(s) aerial images were photographed: 6/27/2006

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Stevens County, Washington (WA065)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
35	Bonner silt loam, 0 to 10 percent slopes	417.9	75.3%
160	Moscow silt loam, 25 to 40 percent slopes	49.9	9.0%
161	Moscow silt loam, 40 to 65 percent slopes	86.8	15.7%
Totals for Area of Interest		554.7	100.0%

Stevens County, Washington

35—Bonner silt loam, 0 to 10 percent slopes

Map Unit Setting

Elevation: 2,000 to 3,000 feet
Mean annual precipitation: 25 to 35 inches
Mean annual air temperature: 43 to 46 degrees F
Frost-free period: 90 to 120 days

Map Unit Composition

Bonner and similar soils: 85 percent

Description of Bonner

Setting

Landform: Terraces
Landform position (three-dimensional): Tread
Parent material: Volcanic ash and loess over glacial outwash

Properties and qualities

Slope: 0 to 10 percent
Depth to restrictive feature: 20 to 40 inches to strongly contrasting textural stratification
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Low (about 4.6 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability (nonirrigated): 3e

Typical profile

0 to 17 inches: Silt loam
17 to 25 inches: Gravelly loam
25 to 60 inches: Very gravelly loamy sand

Data Source Information

Soil Survey Area: Stevens County, Washington
 Survey Area Data: Version 7, Jun 9, 2009

Stevens County, Washington

160—Moscow silt loam, 25 to 40 percent slopes

Map Unit Setting

Elevation: 2,200 to 5,000 feet

Mean annual precipitation: 18 to 30 inches

Mean annual air temperature: 43 to 45 degrees F

Frost-free period: 80 to 120 days

Map Unit Composition

Moscow and similar soils: 80 percent

Description of Moscow

Setting

Landform: Mountains

Landform position (three-dimensional): Lower third of mountain flank

Parent material: Volcanic ash and loess over residuum and colluvium derived from granite

Properties and qualities

Slope: 25 to 40 percent

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Very low to high (0.00 to 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water capacity: Low (about 4.2 inches)

Interpretive groups

Land capability (nonirrigated): 6e

Typical profile

0 to 6 inches: Silt loam

6 to 14 inches: Silt loam

14 to 26 inches: Sandy loam

26 to 36 inches: Weathered bedrock

Data Source Information

Soil Survey Area: Stevens County, Washington

Survey Area Data: Version 7, Jun 9, 2009

Stevens County, Washington

161—Moscow silt loam, 40 to 65 percent slopes

Map Unit Setting

Elevation: 2,200 to 5,000 feet

Mean annual precipitation: 18 to 30 inches

Mean annual air temperature: 43 to 45 degrees F

Frost-free period: 80 to 120 days

Map Unit Composition

Moscow and similar soils: 75 percent

Description of Moscow

Setting

Landform: Mountains

Landform position (three-dimensional): Center third of mountain flank

Parent material: Volcanic ash and loess over residuum and colluvium derived from granite

Properties and qualities

Slope: 40 to 65 percent

Depth to restrictive feature: 20 to 40 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Very low to high (0.00 to 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water capacity: Low (about 4.2 inches)

Interpretive groups

Land capability (nonirrigated): 7e

Typical profile

0 to 6 inches: Silt loam

6 to 14 inches: Silt loam

14 to 26 inches: Sandy loam

26 to 36 inches: Weathered bedrock

Data Source Information

Soil Survey Area: Stevens County, Washington

Survey Area Data: Version 7, Jun 9, 2009

WATER WELL REPORT FOR AN EXISTING WELL

WASHINGTON STATE
DEPARTMENT OF
ECOLOGY
RECEIVED

JAN 24 2003

INSTRUCTIONS:

Use this form only if an original water well report was NEVER filed or is MISSING from Ecology records. Your well must be properly tagged prior to submitting this form. Please fill in all blanks as completely as possible. If information is not known, leave blank. After completing, mail the original form to: Wa State Dept of Ecology, PO Box 47600, Olympia, WA, 98504-7600, ATTN: Marian Bruner.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

<p>DEPARTMENT OF ECOLOGY WELL DRILLING UNIT</p> <p><input type="checkbox"/> Domestic <input type="checkbox"/> Industrial <input type="checkbox"/> Municipal</p> <p><input type="checkbox"/> DeWater <input type="checkbox"/> Irrigation <input type="checkbox"/> Test Well <input checked="" type="checkbox"/> Other <u>MONITORING</u></p>	<p>Unique Ecology Well ID Tag No. <u>AHJ-399</u></p> <p>Water Right? If yes, attach copy <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No MW# <u>1</u></p> <p>Property Owner Name <u>LOOK LAKE SEWER DIST #4</u></p> <p>Well Street Address <u>3963 CHRISTENSEN RD. P.O. BOX 98</u></p> <p>City <u>LOOK LAKE</u> County <u>STEVENS</u></p> <p>Tax Parcel No. _____</p>																
<p>DIMENSIONS: Diameter of well <u>2</u> inches</p> <p>Depth of completed well <u>111.3</u> ft if known.</p>	<p>LOCATION</p> <p>An accurate location of your well is very important. The Township, Range, Section and 1/4, 1/4 can be found on your legal description or through your county assessor's office.</p> <p>Sec. <u>27</u> Twn. <u>30N</u> R. <u>41</u> EWM circle or one WWM</p>																
<p>CONSTRUCTION DETAILS</p> <p>Liner Installed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown</p> <p>TYPE: <input type="checkbox"/> PVC <input type="checkbox"/> Steel <input type="checkbox"/> Concrete Liner <input type="checkbox"/> Other <input type="checkbox"/> Unknown</p> <p>Perforations: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown</p> <p>SIZE of perfs _____ in. by _____ in and no of perfs _____ from _____ ft. to _____ ft.</p> <p>Screens: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown Mfr's Name _____</p> <p>TYPE: <input type="checkbox"/> Stainless Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other</p> <p>Diam. <u>2"</u> Slot Size # <u>10</u> or # <u>20</u> from _____ ft. to _____ ft.</p> <p>Gravel/Filter packed: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown</p> <p>Materials placed from <u>NATURAL FORMATION</u> ft to _____ ft.</p> <p>Surface Seal: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If known, to what depth <u>20</u> ft</p> <p>Materials used if known: <input checked="" type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Cement</p> <p>PUMP: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Mfr's Name _____</p> <p>Type _____ H.P. _____</p>	<table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <tr><td>D</td><td>C</td><td>B</td><td>A</td></tr> <tr><td>E</td><td>F</td><td>G</td><td>H</td></tr> <tr><td>M</td><td>L</td><td>K</td><td>J</td></tr> <tr><td>N</td><td>P</td><td>Q</td><td>R</td></tr> </table> <p style="font-size: small;">This square represents one section of land, which is approx 640 acres. Within this section, circle the letter that best represents the location of the well within this section.</p>	D	C	B	A	E	F	G	H	M	L	K	J	N	P	Q	R
D	C	B	A														
E	F	G	H														
M	L	K	J														
N	P	Q	R														
<p>WATER LEVELS: Land-surface elevation above mean sea level <u>2439.6</u> ft.</p> <p>Static level <u>20.4</u> ft below top of casing Date measured <u>7-6-84</u></p> <p>Artesian pressure _____ lbs. per square inch Date measured _____</p> <p>Well head has cap? <input type="checkbox"/> Yes <input type="checkbox"/> No Shut off valve? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>WELL TESTS: Draw down is amount water level is lowered below static level.</p> <p>Was a pump test made? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, attach copy</p> <p style="text-align: center;"><input checked="" type="checkbox"/> Unknown</p> <p>Yield _____ gal/min with _____ ft drawdown after _____ hrs</p>	<p>Latitude/Longitude NOTE: Section, Township, Range still REQUIRED</p> <p>Lat Deg <u>48</u> Lat Min/Sec <u>4'30"</u></p> <p>Long Deg <u>117</u> Long Min/Sec <u>37'30"</u></p> <p><input type="checkbox"/> GPS <input type="checkbox"/> Survey</p> <p><input type="checkbox"/> Topographic Map <input type="checkbox"/> Computer Generated</p> <p>Additional Information, if available:</p> <p><input checked="" type="checkbox"/> Location marked on topographic map (please attach)</p> <p><input type="checkbox"/> Location marked on air photo (please attach)</p>																

CERTIFICATION: The information reported above is true to the best of my knowledge and belief.

Driller Engineer Property Owner Other

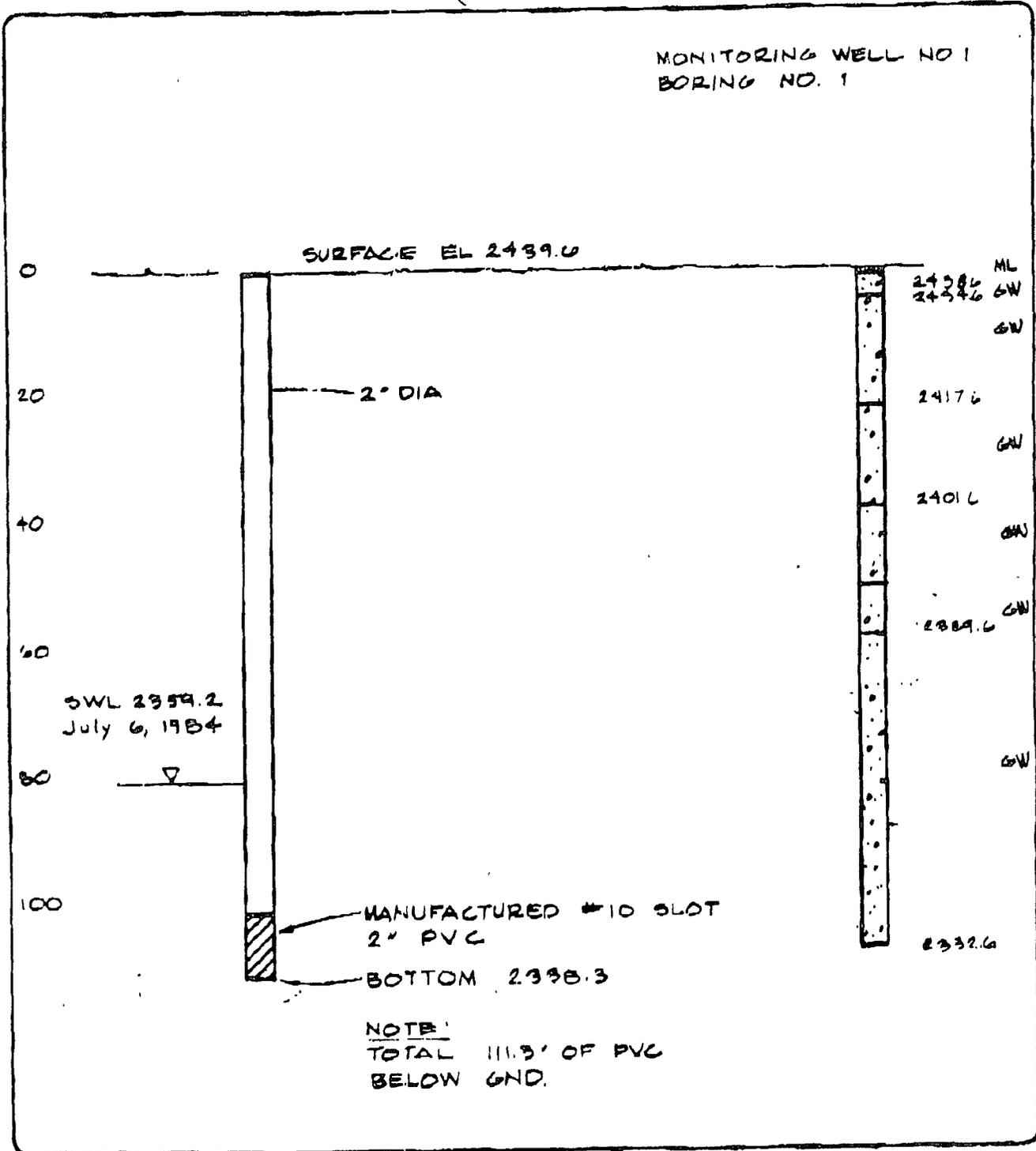
Name STEVE BURCHETT Drilling Company UNKNOWN

Signature [Signature] Address of person completing this form: BUDINGER & ASSOCIATES

Driller License No. 2107 3820 EB ROADWAY

Date Signed 1-6-03 City, State, Zip SPOKANE WA 99202

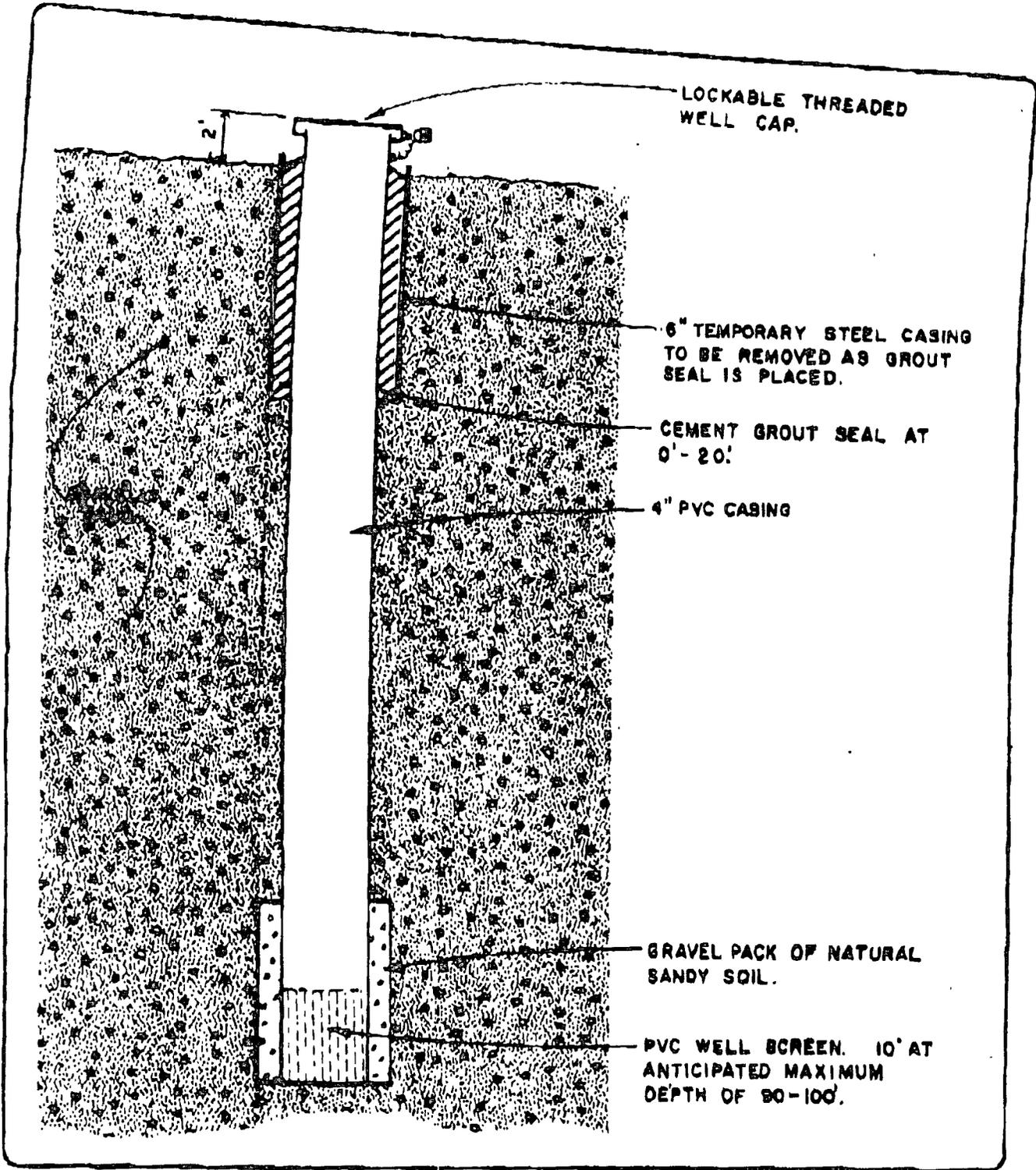
The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



DESIGN BY		CHECKED BY		MONITORING WELL NO. 1	APPROVED	
SURVEY BY	TS	SCALE	NTS	LOON LAKE PHILLABAUM PROPERTY	DATE	
DRAWN BY	CG	DWG. NO	3099.002		July 1984	

NAME:
SA 3099.002

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



DESIGN BY	MCA	CHECKED BY	MCA	LOON LAKE SEWERAGE SYSTEM - TYPICAL MONITORING WELL	APPROVED	
SURVEY BY		SCALE	N.T.S.		MCA	
DRAWN BY		DWG NO	3059.002D2		DATE	

CAD FILE



WATER WELL REPORT FOR AN EXISTING WELL

INSTRUCTIONS:

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The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

CURRENT USE: <input type="checkbox"/> Domestic <input type="checkbox"/> Industrial <input type="checkbox"/> Municipal <input type="checkbox"/> DeWater <input type="checkbox"/> Irrigation <input type="checkbox"/> Test Well <input checked="" type="checkbox"/> Other <u>MONITORING</u>		Unique Ecology Well ID Tag No. <u>AHJ-398</u>																	
DIMENSIONS: Diameter of well <u>2"</u> inches Depth of completed well <u>95.5</u> ft if known		Water Right? If yes, attach copy <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <u>MW#2</u>																	
CONSTRUCTION DETAILS Liner Installed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown TYPE: <input type="checkbox"/> PVC <input type="checkbox"/> Steel <input type="checkbox"/> Concrete Liner <input type="checkbox"/> Other <input type="checkbox"/> Unknown		Property Owner Name <u>LOON LAKE SEWER DIST #4</u> Well Street Address <u>3963 CHRISTENSEN Rd, P.O. Box 98</u>																	
Perforations: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown SIZE of perms <u> </u> in. by <u> </u> in and no of perms <u> </u> from <u> </u> ft. to <u> </u> ft.		City <u>LOON LAKE</u> County: <u>STEVENS</u> Tax Parcel No. <u> </u>																	
Screens: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown Mfr's Name <u>NA</u> TYPE: <input type="checkbox"/> Stainless Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other Diam <u>2"</u> Slot Size <u>#10 or #20</u> from <u>85.5</u> ft. to <u>95.5</u> ft.		LOCATION An accurate location of your well is very important. The Township, Range, Section and 1/4, 1/4 can be found on your legal description or through your county assessor's office. Sec <u>27</u> Twn <u>30N</u> R <u>41</u> <input checked="" type="checkbox"/> EWM ^{circle} or <u>one</u> WWM																	
Gravel/Filter packed: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown Materials placed from <u>FORMATION</u> ft. to <u> </u> ft.		<table border="1" style="display: inline-table;"> <tr><td>D</td><td>C</td><td>B</td><td>A</td></tr> <tr><td>E</td><td>F</td><td>G</td><td>H</td></tr> <tr><td>M</td><td>L</td><td>K</td><td>J</td></tr> <tr><td>N</td><td>P</td><td>Q</td><td>R</td></tr> </table> This square represents one section of land, which is approx 640 acres. Within this section, circle the letter that best represents the location of the well within this section.		D	C	B	A	E	F	G	H	M	L	K	J	N	P	Q	R
D	C	B	A																
E	F	G	H																
M	L	K	J																
N	P	Q	R																
Surface Seal: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If known, to what depth <u>18</u> ft Materials used if known: <input checked="" type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Cement		Latitude/Longitude NOTE: Section, Township, Range still REQUIRED Lat Deg <u>48</u> Lat Min/Sec <u>4'15"</u> Long Deg <u>117</u> Long Min/Sec <u>37'30"</u> <input type="checkbox"/> GPS <input type="checkbox"/> Survey <input checked="" type="checkbox"/> Topographic Map <input type="checkbox"/> Computer Generated																	
PUMP: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Mfr's Name <u> </u> Type: <u> </u> H.P. <u> </u>		Additional Information, if available: <input checked="" type="checkbox"/> Location marked on topographic map (please attach) <input type="checkbox"/> Location marked on air photo (please attach)																	
WATER LEVELS: Land-surface elevation above mean sea level <u>2436.7</u> ft Static level <u>2358.0</u> ft. below top of casing Date measured <u>7/6/84</u> Artesian pressure <u> </u> lbs per square inch Date measured <u> </u> Well head has cap? <input type="checkbox"/> Yes <input type="checkbox"/> No Shut off valve? <input type="checkbox"/> Yes <input type="checkbox"/> No		WELL TESTS: Draw down is amount water level is lowered below static level. Was a pump test made? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, attach copy <input checked="" type="checkbox"/> Unknown Yield <u> </u> gal/min with <u> </u> ft drawdown after <u> </u> hrs																	

CERTIFICATION: The information reported above is true to the best of my knowledge and belief.

Driller Engineer Property Owner Other

Name STEVE BURCHETT Drilling Company UNKNOWN

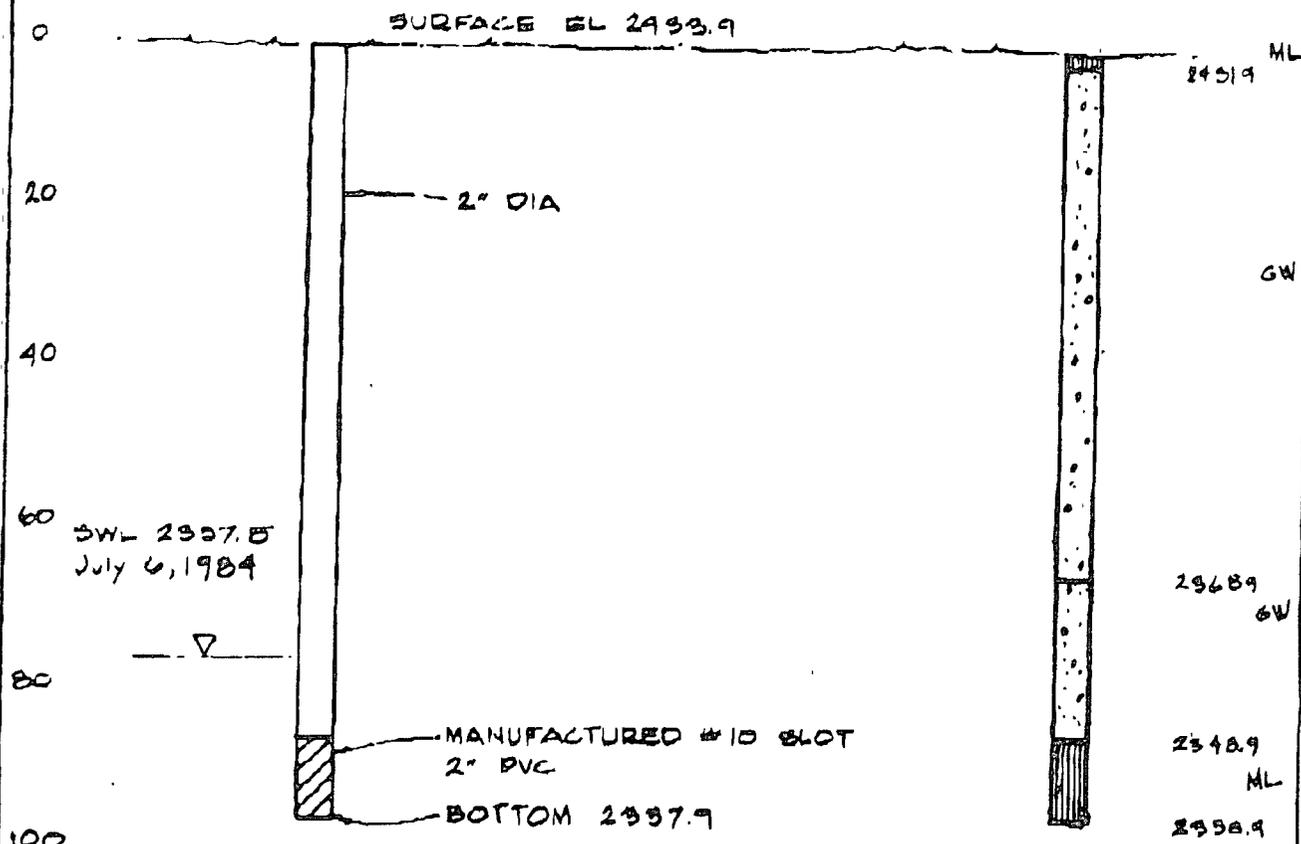
Signature [Signature] Address of person completing this form: BUDINGER & ASSOC.

Driller License No. 2107 3820 E BROADWAY

Date Signed 1-6-03 City, State, Zip SPOKANE WA 99202

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

MONITORING WELL NO 2
BORING NO 2.

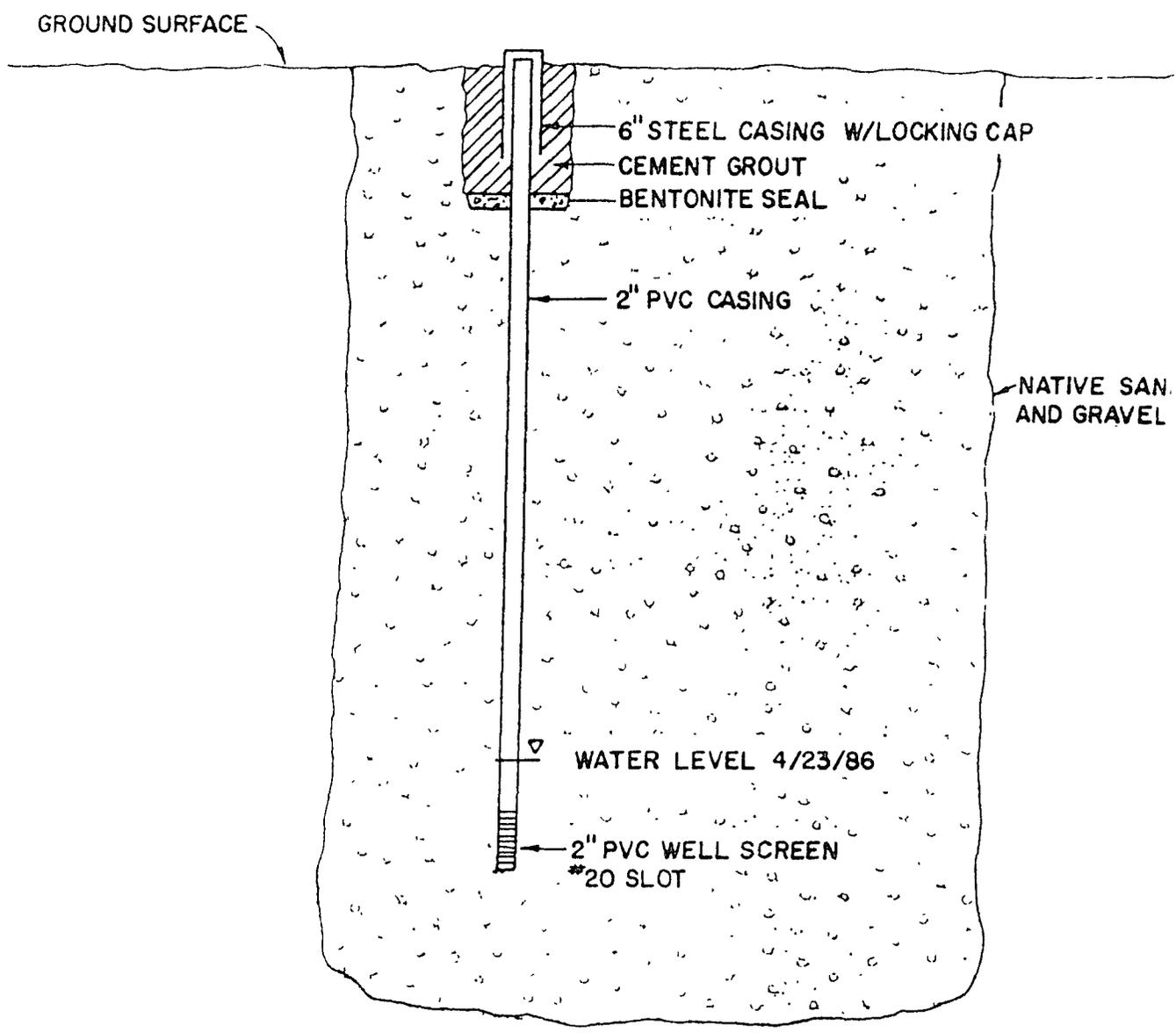


NOTE:
TOTAL 95.5' OF PVC
BELOW GND.

DESIGN BY		CHECKED BY		MONITORING WELL NO 2	APPROVED	CENTURY WEST ENGINEERING CORPORATION
SURVEY BY	TB	SCALE	NTS	LOON LAKE PHILABAUM PROPERTY	DATE	
DRAWN BY	EG	DWG NO.	2099.002		July 1984	

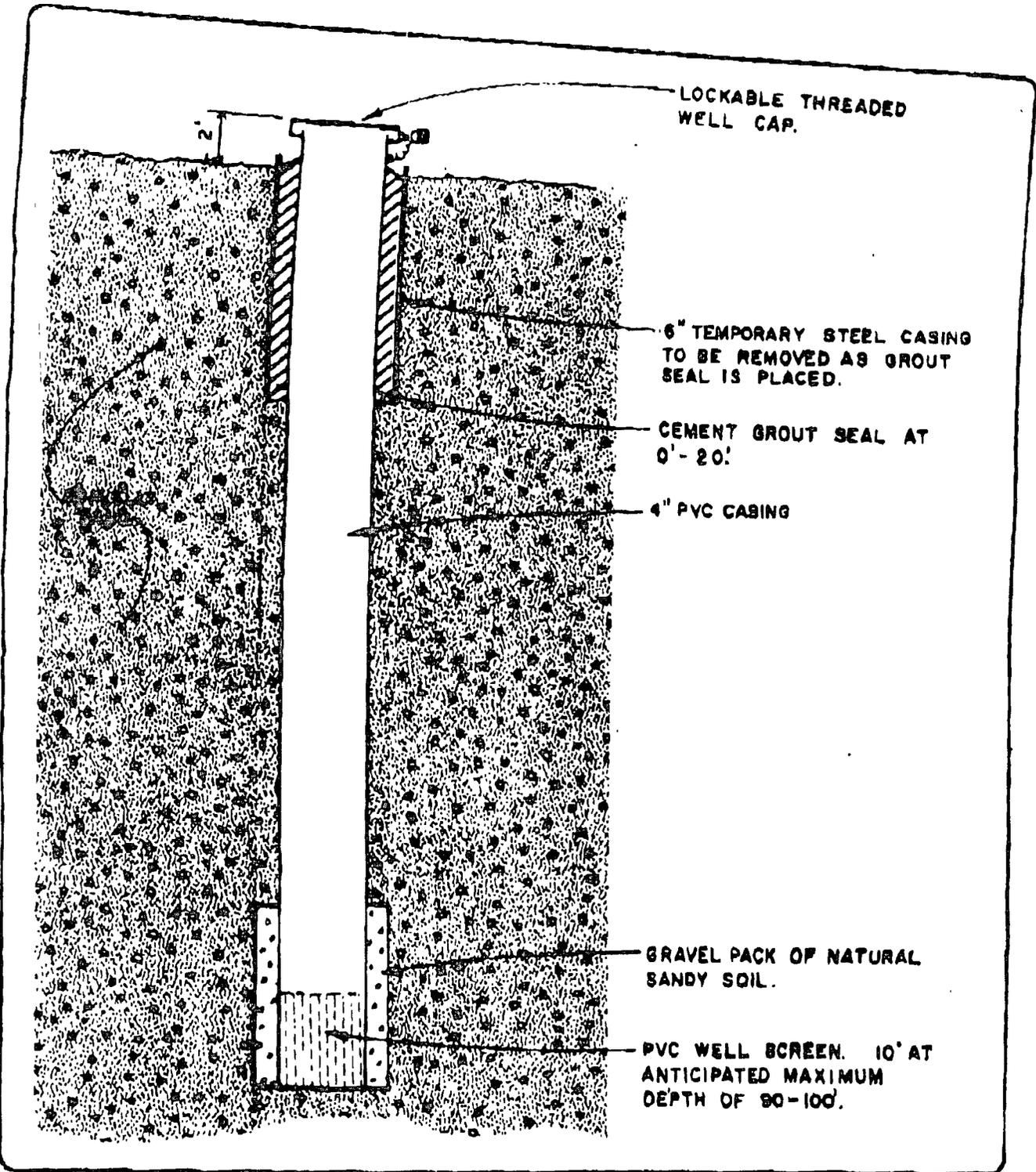
NSM: PASAR 6000

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



DESIGN BY	MCA	CHECKED BY	MCA	LOON LAKE MONITORING WELL MW 2 30099.002.01	APPROVED		
SURVEY BY		SCALE	V: 1" = 20'		DATE		4-86
DRAWN BY	DSP	DWG NO					

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



LOCKABLE THREADED WELL CAP.

6" TEMPORARY STEEL CASING TO BE REMOVED AS GROUT SEAL IS PLACED.

CEMENT GROUT SEAL AT 0'-20'.

4" PVC CASING

GRAVEL PACK OF NATURAL SANDY SOIL.

PVC WELL SCREEN. 10' AT ANTICIPATED MAXIMUM DEPTH OF 80-100'.

DESIGN BY	MCA	CHECKED BY	MCA	LOON LAKE SEWERAGE SYSTEM - TYPICAL MONITORING WELL	APPROVED	
SURVEY BY		SCALE	N.T.S.		MCA	
DRAWN BY		DWG. NO	3059.00202		DATE	

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



WATER WELL REPORT FOR AN EXISTING WELL

INSTRUCTIONS:

Use this form only if an original water well report was NEVER filed or is MISSING from Ecology records. Your well must be properly tagged prior to submitting this form. Please fill in all blanks as completely as possible. If information is not known, leave blank. After completing, mail the original form to: Wa State Dept of Ecology, PO Box 47600, Olympia, WA, 98504-7600, ATTN: Marian Bruner.

CURRENT USE: <input type="checkbox"/> Domestic <input type="checkbox"/> Industrial <input type="checkbox"/> Municipal <input type="checkbox"/> De Water <input type="checkbox"/> Irrigation <input type="checkbox"/> Test Well <input checked="" type="checkbox"/> Other <u>MONITORING</u>	Unique Ecology Well ID Tag No. <u>AHJ-397</u> Water Right? If yes, attach copy <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <u>MW#3</u> Property Owner Name <u>LOW LAKE SEWER DIST. #4</u> Well Street Address <u>3963 CHRISTENSEN Rd P.O. Box 94</u> City <u>LOW LAKE</u> County <u>STEVENS</u> Tax Parcel No. _____																
DIMENSIONS: Diameter of well <u>2"</u> inches. Depth of completed well <u>96.9</u> ft if known.	LOCATION An accurate location of your well is very important. The Township, Range, Section and 1/4, 1/4 can be found on your legal description or through your county assessor's office. Sec <u>27</u> Twn <u>30N</u> R <u>4E</u> <u>EWM</u> circle or one WWM																
CONSTRUCTION DETAILS Liner Installed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown TYPE: <input type="checkbox"/> PVC <input type="checkbox"/> Steel <input type="checkbox"/> Concrete Liner <input type="checkbox"/> Other <input type="checkbox"/> Unknown Perforations: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown SIZE of perfs _____ in. by _____ in and no. of perfs _____ from _____ ft. to _____ ft.																	
Screens: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown Mfr's Name _____ TYPE: <input type="checkbox"/> Stainless Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other Diam <u>2"</u> Slot Size <u>#10 or 20</u> from <u>86.9</u> ft. to <u>96.9</u> ft.	<table border="1"> <tr><td>D</td><td>C</td><td>B</td><td>A</td></tr> <tr><td>E</td><td>F ●</td><td>G</td><td>H</td></tr> <tr><td>M</td><td>L</td><td>K</td><td>J</td></tr> <tr><td>N</td><td>P</td><td>Q</td><td>R</td></tr> </table> <p>This square represents one section of land, which is approx 640 acres. Within this section, circle the letter that best represents the location of the well within this section.</p>	D	C	B	A	E	F ●	G	H	M	L	K	J	N	P	Q	R
D		C	B	A													
E		F ●	G	H													
M		L	K	J													
N	P	Q	R														
Gravel/Filter packed: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown Materials placed from <u>NATURAL FORMATION</u> to _____ ft.																	
Surface Seal: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If known, to what depth <u>20</u> ft. Materials used if known <input checked="" type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Cement																	
PUMP: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Mfr's Name _____ Type _____ HP.	Latitude/Longitude NOTE: Section, Township, Range still REQUIRED Lat Deg <u>48</u> Lat Min/Sec <u>4'30"</u> Long Deg <u>117</u> Long Min/Sec <u>37'15"</u> <input type="checkbox"/> GPS <input type="checkbox"/> Survey <input checked="" type="checkbox"/> Topographic Map <input type="checkbox"/> Computer Generated																
WATER LEVELS: Land-surface elevation above mean sea level <u>2436.7</u> ft. Static level <u>2358.9</u> ft. below top of casing Date measured <u>7-6-03</u> Artesian pressure _____ lbs per square inch Date measured _____ Well head has cap? <input type="checkbox"/> Yes <input type="checkbox"/> No Shut off valve? <input type="checkbox"/> Yes <input type="checkbox"/> No	Additional Information, if available: <input type="checkbox"/> Location marked on topographic map (please attach) <input type="checkbox"/> Location marked on air photo (please attach)																
WELL TESTS: Draw down is amount water level is lowered below static level. Was a pump test made? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, attach copy <input checked="" type="checkbox"/> Unknown Yield _____ gal/min with _____ ft drawdown after _____ hrs																	

CERTIFICATION: The information reported above is true to the best of my knowledge and belief.

Driller Engineer Property Owner Other

Name STEVE BURCHETT

Drilling Company UNKNOWN

Signature [Signature]

Address of person completing this form: BUDINGER ASSOCIATES

Driller License No 2107

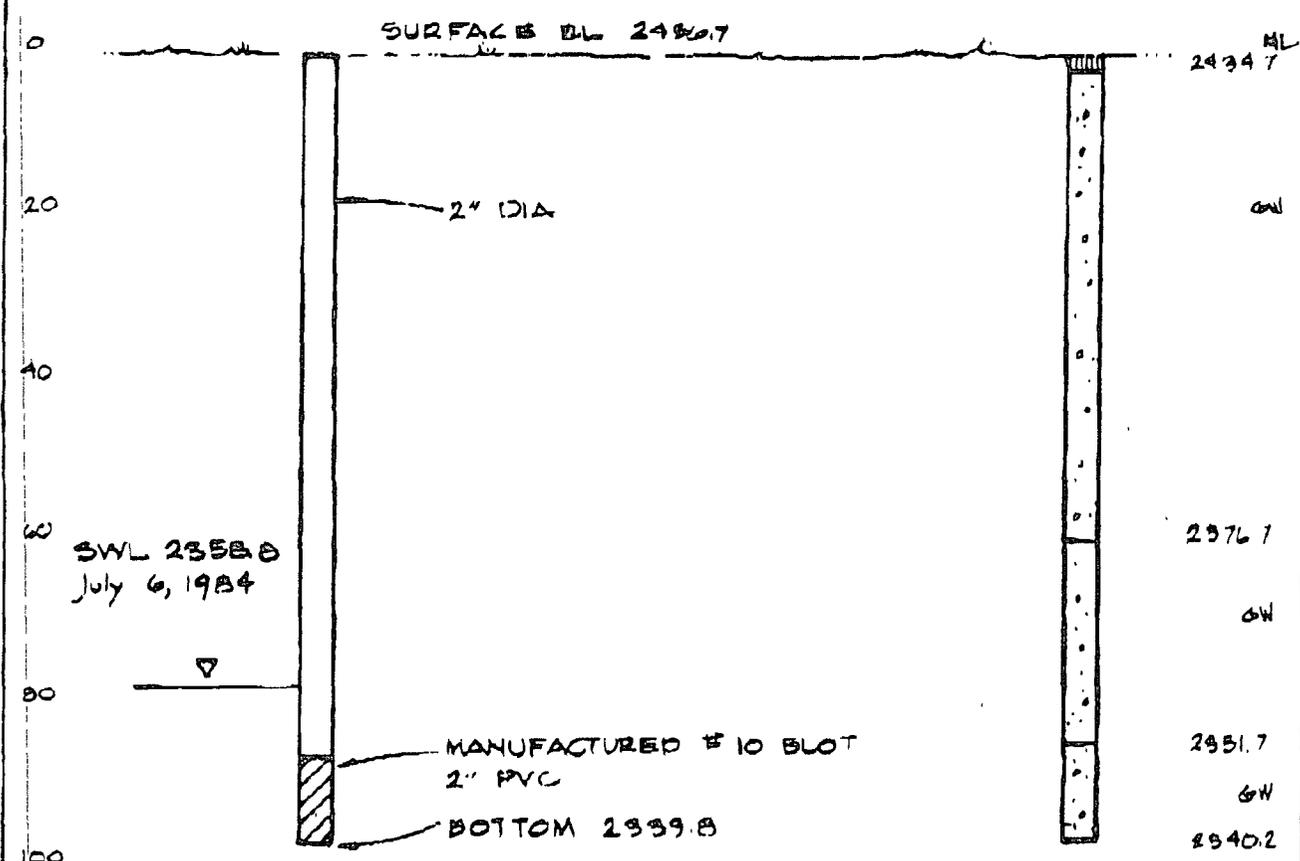
3820 E BROADWAY

Date Signed 1-6-03

City, State, Zip SPokane WA 99202

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

MONITORING WELL NO 3
BORING NO 8

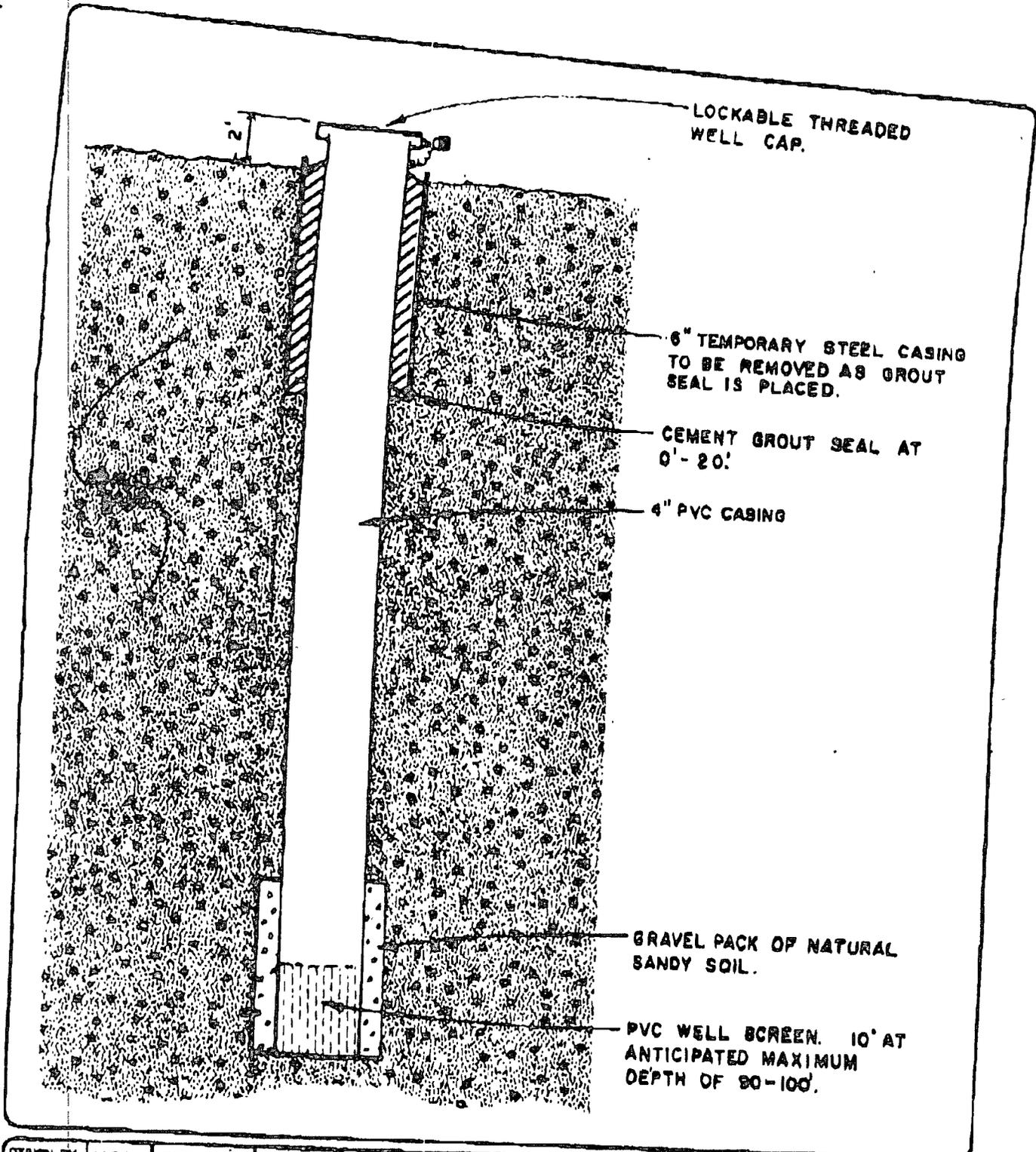


NOTE:
TOTAL 967' OF PVC
BELOW GND.

DESIGN BY		CHECKED BY		MONITORING WELL NO. 3 LOON LAKE PHILLABAUM PROPERTY	APPROVED		
SURVEY BY	T3	SCALE	NTS		DATE		July 1989
DRAWN BY	G	DWG. NO.	3099 001				

NTS
BY 333 8222

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



DESIGN BY	MCA	CHECKED BY	MCA	LOON LAKE SEWERAGE SYSTEM - TYPICAL MONITORING WELL	APPROVED	
SURVEY BY		SCALE	N.T.S.		MCA	
DRAWN BY		DWG. NO.	3099.00202		DATE	

WATER WELL REPORT FOR AN EXISTING WELL

WASHINGTON STATE
DEPARTMENT OF
ECOLOGY

INSTRUCTIONS:

Use this form only if an original water well report was NEVER filed or is MISSING from Ecology records. Your well must be properly tagged prior to submitting this form. Please fill in all blanks as completely as possible. If information is not known, leave blank. After completing, mail the original form to: Wa State Dept of Ecology, PO Box 47600, Olympia, WA, 98504-7600, ATTN: Marian Bruner.

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

<p>CURRENT USE: <input type="checkbox"/> Domestic <input type="checkbox"/> Industrial <input type="checkbox"/> Municipal <input type="checkbox"/> DeWater <input type="checkbox"/> Irrigation <input type="checkbox"/> Test Well <input checked="" type="checkbox"/> Other <u>MONITORING</u></p> <p>DIMENSIONS: Diameter of well <u>2"</u> inches Depth of completed well <u>98.3</u> ft if known.</p> <p>CONSTRUCTION DETAILS Liner Installed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown TYPE: <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Steel <input type="checkbox"/> Concrete Liner <input type="checkbox"/> Other <input type="checkbox"/> Unknown</p> <p>Perforations: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown SIZE of perfs ___ in by ___ in. and no of perfs ___ from ___ ft. to ___ ft</p> <p>Screens: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown Mfr's Name _____ TYPE: <input type="checkbox"/> Stainless Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other Diam. <u>2"</u> Slot Size <u>OLD or 070</u> from <u>98.3</u> ft. to <u>98.3</u> ft.</p> <p>Gravel/Filter packed: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown Materials placed from <u>NATURAL FORMATION</u> ft. to _____ ft.</p> <p>Surface Seal: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If known, to what depth <u>20</u> ft Materials used if known: <input checked="" type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Cement</p> <p>PUMP: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Mfr's Name _____ Type _____ H.P. _____</p> <p>WATER LEVELS: Land-surface elevation above mean sea level <u>2436.5</u> ft. Static level <u>82.1</u> ft below top of casing Date measured <u>7-6-84</u> Artesian pressure _____ lbs per square inch Date measured _____ Well head has cap? <input type="checkbox"/> Yes <input type="checkbox"/> No Shut off valve? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>WELL TESTS: Drawdown is amount water level is lowered below static level. Was a pump test made? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, attach copy <input checked="" type="checkbox"/> Unknown Yield _____ gal/min with _____ ft drawdown after _____ hrs</p>	<p>Unique Ecology Well ID Tag No. <u>AHI-396</u></p> <p>Water Right? If yes, attach copy <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No MW # <u>4</u></p> <p>Property Owner Name <u>LOOK LAKE SEWER DIST. #4</u></p> <p>Well Street Address <u>3963 CHRISTENSEN Rd P.O. Box 90</u></p> <p>City <u>LOOK LAKE</u> County: <u>STEVENS</u></p> <p>Tax Parcel No. _____</p> <p>LOCATION An accurate location of your well is very important. The Township, Range, Section and 1/4, 1/4 can be found on your legal description or through your county assessor's office. Sec. <u>27</u> Twn. <u>30N</u> R. <u>4E</u> EWM circle or one WWM</p> <table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <tr><td>D</td><td>C</td><td>B</td><td>A</td></tr> <tr><td>E</td><td>F</td><td>G</td><td>H</td></tr> <tr><td>M</td><td>L</td><td>K</td><td>J</td></tr> <tr><td>N</td><td>P</td><td>Q</td><td>R</td></tr> </table> <p style="text-align: right;">This square represents one section of land, which is approx 640 acres. Within this section, circle the letter that best represents the location of the well within this section.</p> <p>Latitude/Longitude NOTE: Section, Township, Range still REQUIRED Lat Deg <u>48</u> Lat Min/Sec <u>4'15"</u> Long Deg <u>117</u> Long Min/Sec <u>37'30"</u> <input type="checkbox"/> GPS <input type="checkbox"/> Survey <input checked="" type="checkbox"/> Topographic Map <input type="checkbox"/> Computer Generated</p> <p>Additional Information, if available: <input checked="" type="checkbox"/> Location marked on topographic map (please attach) <input type="checkbox"/> Location marked on air photo (please attach)</p>	D	C	B	A	E	F	G	H	M	L	K	J	N	P	Q	R
D	C	B	A														
E	F	G	H														
M	L	K	J														
N	P	Q	R														

CERTIFICATION: The information reported above is true to the best of my knowledge and belief.

Driller Engineer Property Owner Other

Name STEVE BURCHETT

Drilling Company UNKNOWN

Signature [Signature]

Address of person completing this form: BUDINGER & ASSOCIATES

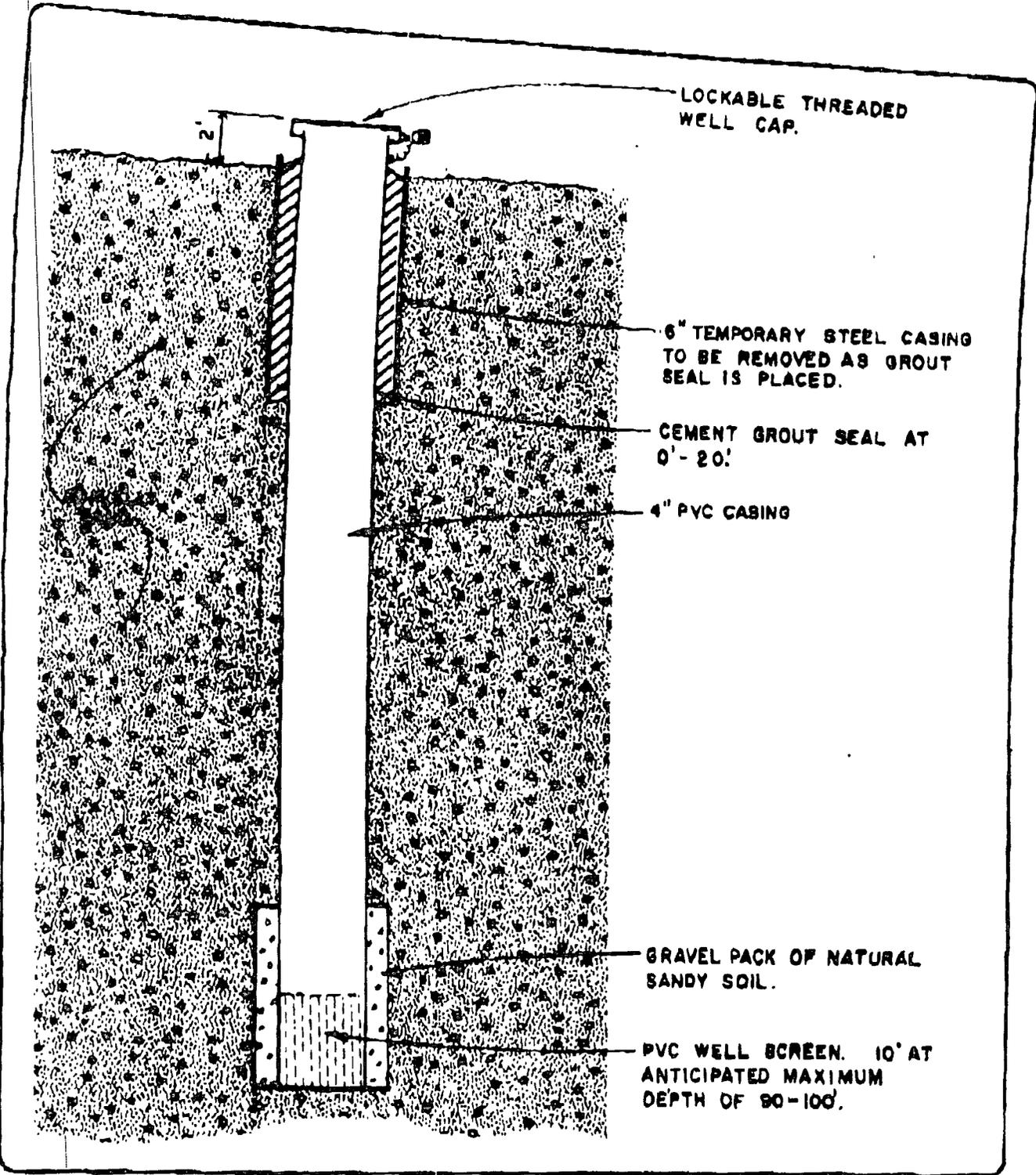
Driller License No 2107

3820 E BROADWAY

Date Signed 1-6-03

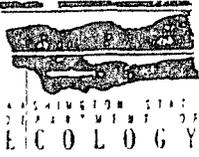
City, State, Zip SPokane WA 99202

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



DESIGN BY	MCA	CHECKED BY	MCA	LOON LAKE SEWERAGE SYSTEM - TYPICAL MONITORING WELL	APPROVED	
SURVEY BY		SCALE	N.T.S.		MCA	
DRAWN BY		DWG NO.	3059.002D2		DATE	

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



WATER WELL REPORT FOR AN EXISTING WELL

INSTRUCTIONS:

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CURRENT USE: <input type="checkbox"/> Domestic <input type="checkbox"/> Industrial <input type="checkbox"/> Municipal <input type="checkbox"/> De Water <input type="checkbox"/> Irrigation <input type="checkbox"/> Test Well <input checked="" type="checkbox"/> Other <u>MONITORING</u>		Unique Ecology Well ID Tag No <u>A HJ-395</u> Water Right? If yes, attach copy <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No MW# <u>5</u>																	
DIMENSIONS: Diameter of well <u>2</u> inches Depth of completed well <u>113.6</u> ft. if known		Property Owner Name <u>LOOK LAKE SEWER DIST #4</u> Well Street Address <u>3963 Christensen Rd P.O. Box 98</u>																	
CONSTRUCTION DETAILS Liner Installed <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown TYPE: <input type="checkbox"/> PVC <input type="checkbox"/> Steel <input type="checkbox"/> Concrete Liner <input type="checkbox"/> Other <input type="checkbox"/> Unknown		City <u>LOOK LAKE</u> County: <u>STEVENS</u> Tax Parcel No. _____																	
Perforations: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown SIZE of perfs <u>1/2</u> in by <u>1/2</u> in. and no. of perfs _____ from _____ ft. to _____ ft.		LOCATION An accurate location of your well is very important. The Township, Range, Section and 1/4, 1/4 can be found on your legal description or through your county assessor's office.																	
Screens: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown Mfr's Name _____ TYPE: <input type="checkbox"/> Stainless Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other Diam. <u>2"</u> Slot Size <u>#10 or #20</u> from <u>93.6</u> ft. to <u>113.6</u> ft.		Sec. <u>27</u> Twn. <u>30N</u> R. <u>41</u> <input checked="" type="checkbox"/> EWM circle or one WWM																	
Gravel/Filter packed: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown Materials placed from <u>NATURAL FORMATION</u> ft to _____ ft.		<table border="1" style="display: inline-table;"> <tr><td>D</td><td>C</td><td>B</td><td>A</td></tr> <tr><td>E</td><td>F</td><td>G</td><td>H</td></tr> <tr><td>M</td><td>L</td><td>K</td><td>J</td></tr> <tr><td>N</td><td>P</td><td>Q</td><td>R</td></tr> </table> This square represents one section of land, which is approx 640 acres. Within this section, circle the letter that best represents the location of the well within this section.		D	C	B	A	E	F	G	H	M	L	K	J	N	P	Q	R
D	C	B	A																
E	F	G	H																
M	L	K	J																
N	P	Q	R																
Surface Seal: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If known, to what depth <u>20</u> ft. Materials used if known: <input checked="" type="checkbox"/> Bentonite <input checked="" type="checkbox"/> Cement		Latitude/Longitude NOTE: Section, Township, Range still REQUIRED Lat Deg <u>48</u> Lat Min/Sec <u>4'30"</u> Long Deg <u>117</u> Long Min/Sec <u>37'30"</u> <input type="checkbox"/> GPS <input type="checkbox"/> Survey <input checked="" type="checkbox"/> Topographic Map <input type="checkbox"/> Computer Generated																	
PUMP: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Mfr's Name _____ Type: _____ H.P. _____		Additional Information, if available: <input checked="" type="checkbox"/> Location marked on topographic map (please attach) <input type="checkbox"/> Location marked on air photo (please attach)																	
WATER LEVELS: Land-surface elevation above mean sea level <u>2448</u> ft. Static level <u>98.0</u> ft. below top of casing Date measured <u>7-6-84</u> Artesian pressure _____ lbs per square inch Date measured _____ Well head has cap? <input type="checkbox"/> Yes <input type="checkbox"/> No Shut off valve? <input type="checkbox"/> Yes <input type="checkbox"/> No																			
WELL TESTS: Drawdown is amount water level is lowered below static level. Was a pump test made? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, attach copy <input checked="" type="checkbox"/> Unknown Yield _____ gal/min with _____ ft drawdown after _____ hrs																			

CERTIFICATION: The information reported above is true to the best of my knowledge and belief.

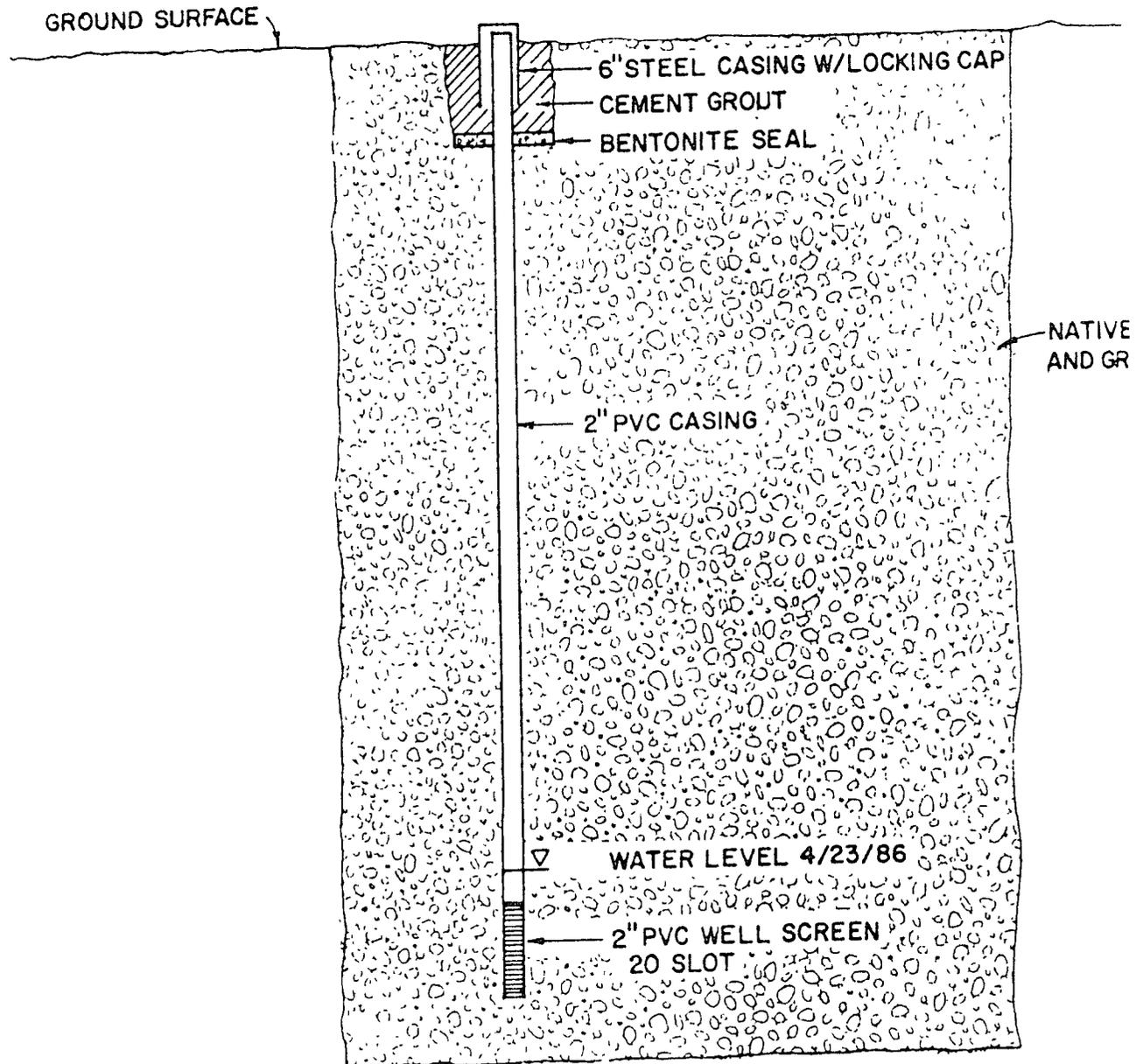
Driller Engineer Property Owner Other

Name STEVE BURCHETT Drilling Company UNKNOWN

Signature [Signature] Address of person completing this form: BUDINGER & ASSOCIATES

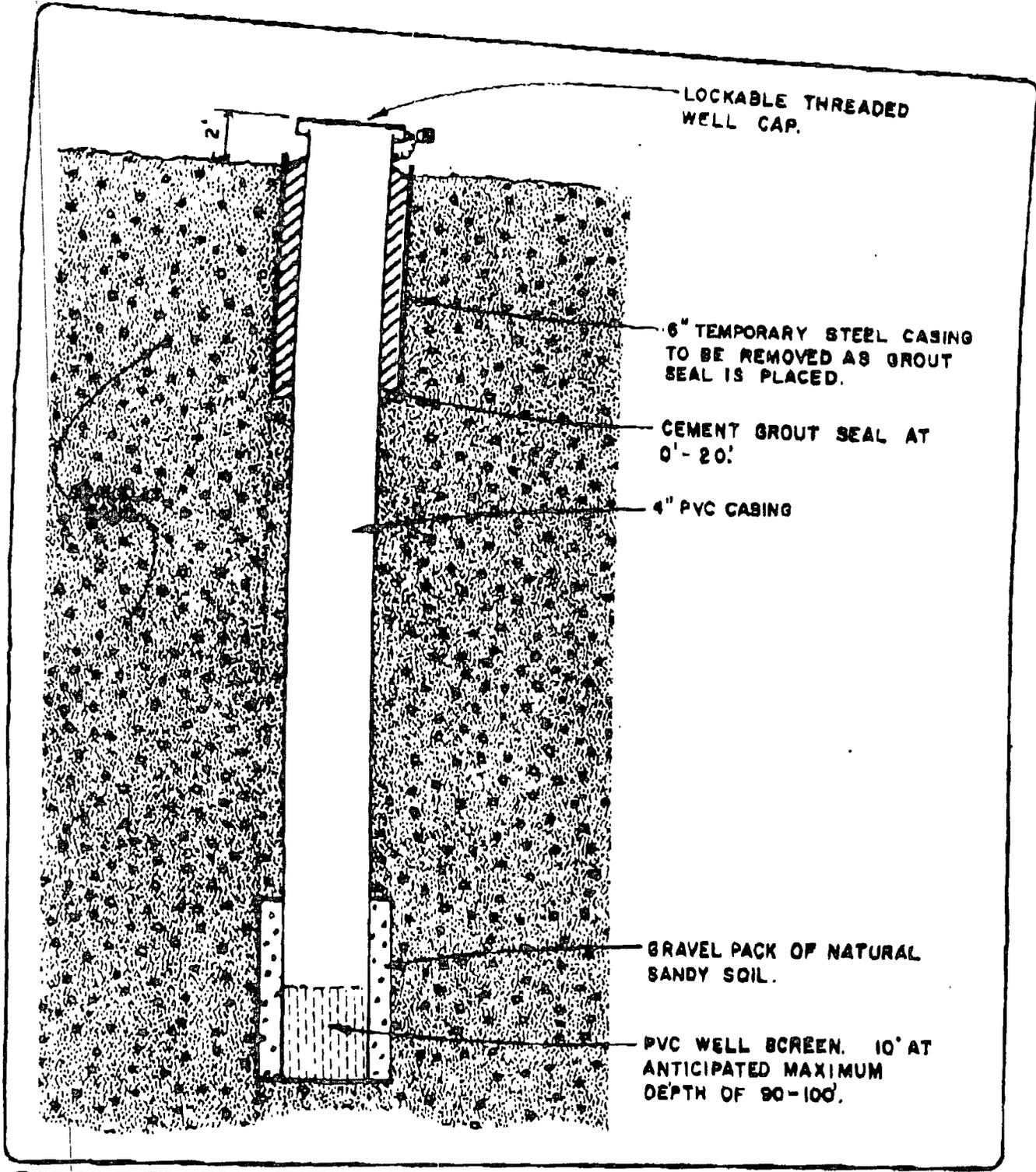
Driller License No. 2107 3820 E BROADWAY

Date Signed 1-6-03 City, State, Zip SPOKANE WA 99202



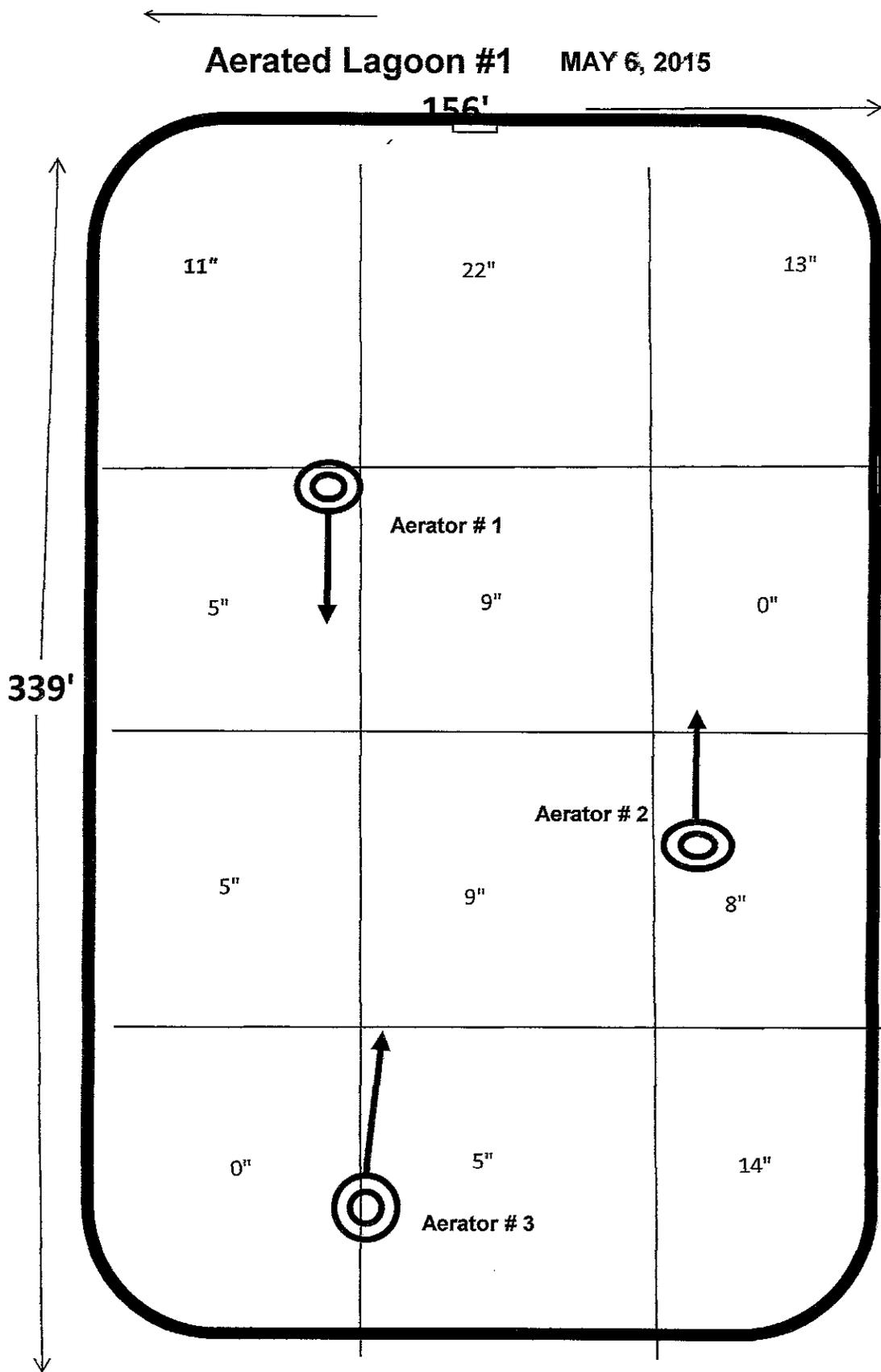
DESIGN BY	MCA	CHECKED BY	MCA	LOON LAKE MONITORING WELL MW 5 30099.002.01	APPROVED	CENTURY WEST ENG	
SURVEY BY		SCALE	V: 1" = 20'		DATE		4-86
DRAWN BY	DSP	DWG NO.					

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.



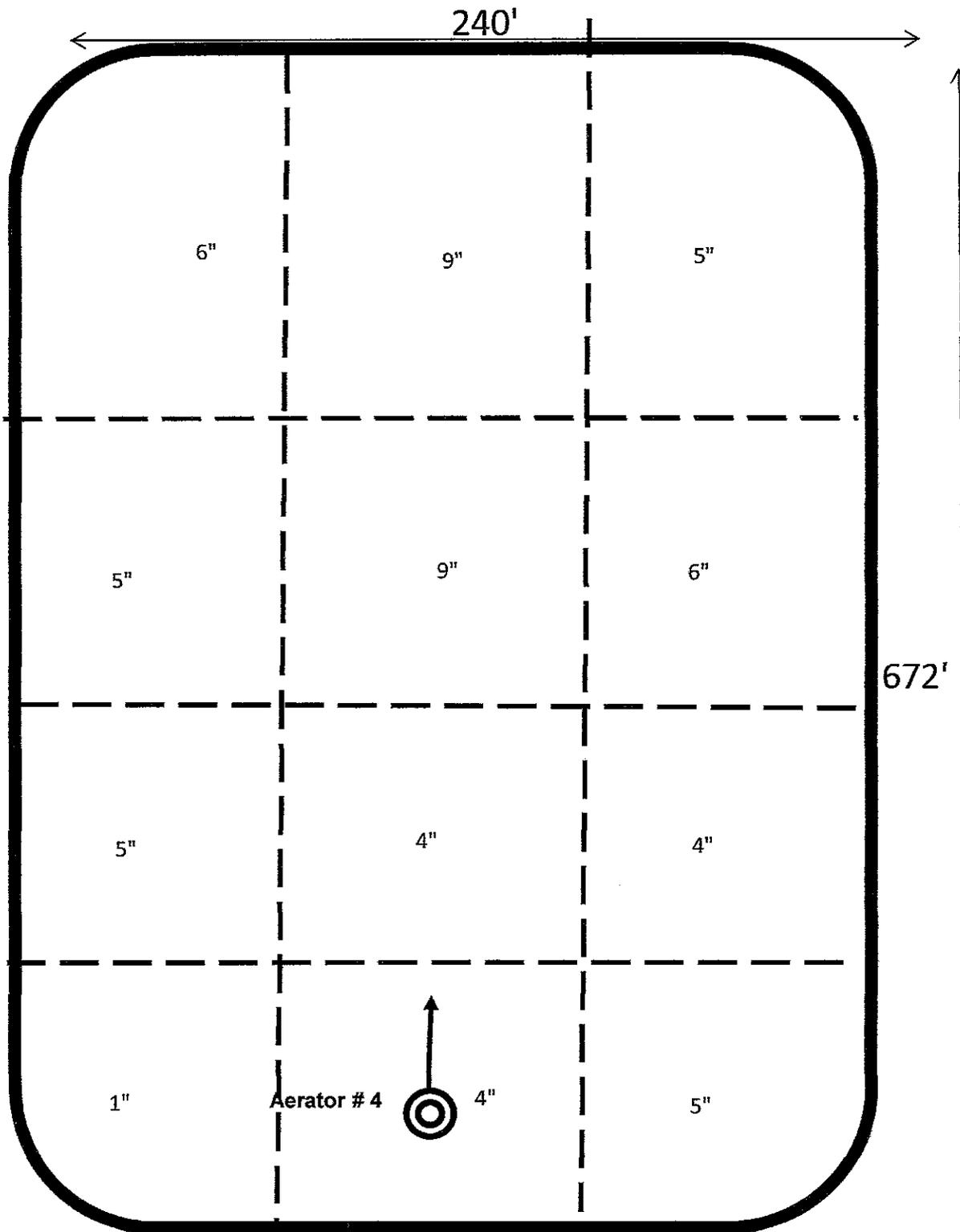
DESIGN BY	MCA	CHECKED BY	MCA	LOON LAKE SEWERAGE SYSTEM - TYPICAL MONITORING WELL	APPROVED	
SURVEY BY		SCALE	N.T.S.		MCA	
DRAWN BY		DWG. NO.	3059.002D2		DATE	

Attachment F - Lagoon Sludge Measurements



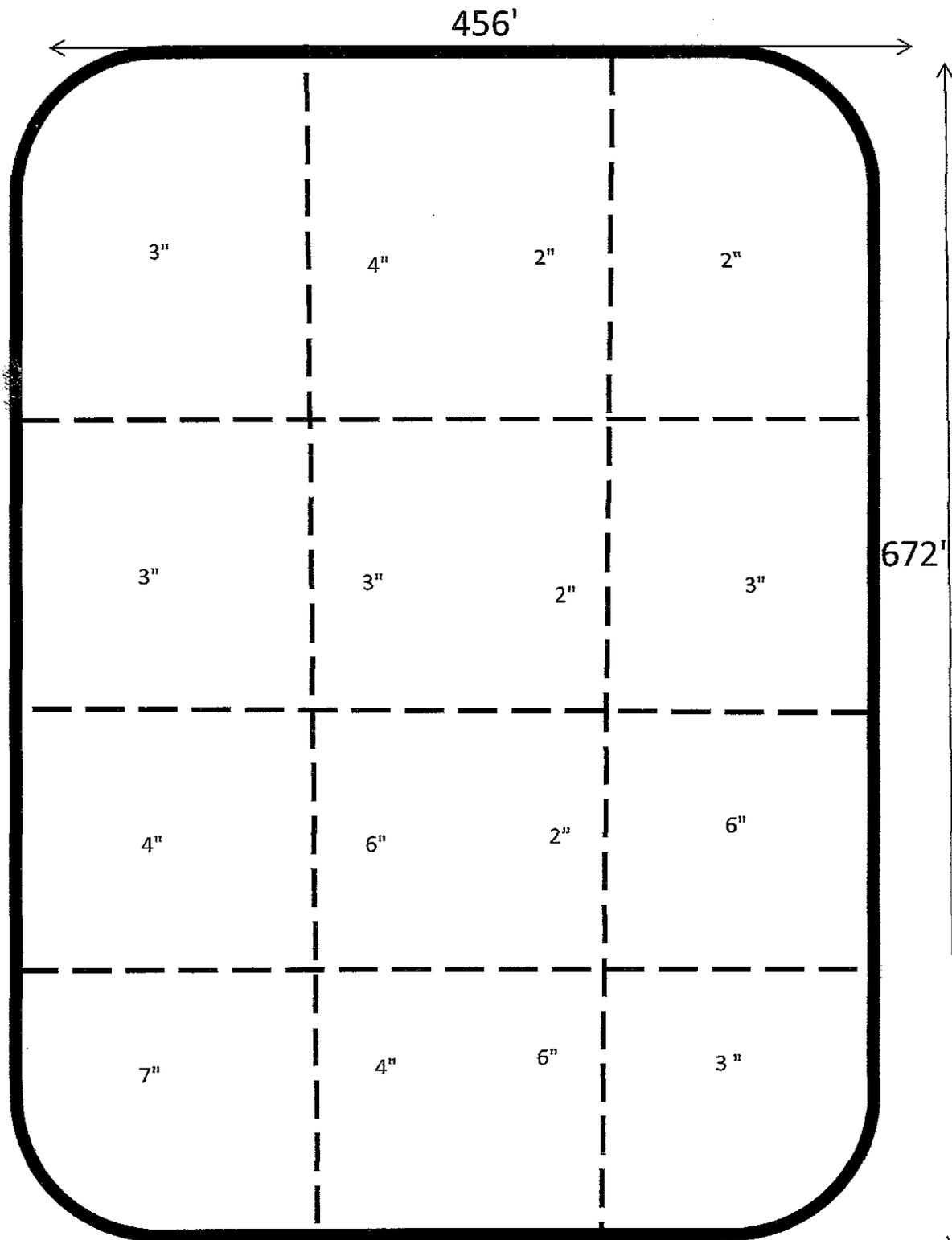
Lagoon # 2

May 6 2015



Lagoon # 3

May 6, 2015



Lagoon # 4

May 6, 2015

