



TECHNICAL MEMORANDUM

Request for a 5-year Renewal of City of Pendleton ASR Limited License #006

To: Jen Woody, RG, Oregon Water Resources Department

From: Rodrigo Prugue, RG, GSI Water Solutions, Inc.
Kenny Janssen, RG, GSI Water Solutions, Inc.

CC: Bob Patterson, PE, Public Works Director, City of Pendleton Organization

Attachments: Attachment A – Well 11b As-Built Construction Diagram and Water Well Report
Attachment B – Filing Fee

Date: October 2, 2023

The City of Pendleton (City) requests a 5-year renewal of Aquifer Storage and Recovery (ASR) limited license #006, which expires October 08, 2023. We understand that certain criteria must be met to grant a renewal of the limited ASR testing as part of limited license #006.

The proposed changes are discussed at the end of this document.

1. Reason for Renewal

The City requests a renewal of ASR limited license #006 to continue exploring the feasibility of expanding their ASR program. Under the City's current Water System Master Plan, the City anticipates adding two new ASR wells within the next two to five years. The City has not fully determined the storage capacity of the aquifer system and whether additional recovery or injection wells are needed to optimize the operation of the City's ASR system.

The City currently has six operational ASR wells authorized for ASR under LL #006. Five of the wells operate as ASR injection and recovery wells (Byers Well 1, UMAT 531; Hospital Well 4, UMAT 55619; Stillman Well 5, UMAT 530; Prison Well 8, UMAT 554; and Well 14, UMAT 54072), and one that currently operates as a recovery well (Round-Up Well 2, UMAT 53635). Well 2 is currently being converted to operate as both an ASR injection and recovery well.

To date, the City's ASR program has been successful, and no adverse impacts to the aquifer resource have been identified as a result of ASR activities. The City also continues to improve and upgrade the operation of the ASR wells and monitor the dynamic response of the basalt aquifer system from City ASR activities. To date, the City has stored a maximum of 959 million gallons (MG) during a single injection season (Water Year 2022; Year 19 pilot testing) and has reached a cumulative storage volume of 13.4 billion gallons (BG). The ongoing monitoring and pilot testing are keys to helping the City better define the storage capacity of the basalt aquifer in this area, and the data are being used to help assess additional areas to explore ASR

expansion. Through the renewal of limited license #006, the City would be able to better define the extent of its ASR program, before applying for a full-scale ASR operational permit.

2. Compliance with Terms and Conditions of the Current Limited License

Several terms and conditions are defined in ASR limited license #006, such as groundwater monitoring, surface water monitoring, water quality sampling, and rate limits for either injection and/or recovery. The City has complied with the conditions of the limited license and has worked in good faith to report ASR pilot testing data to the Oregon Water Resources Department (Department) on a regular basis.

Each condition identified in ASR limited license #006 is listed below with specific details that demonstrate the City's compliance with each condition.

- 1) **License Renewal.** *The license may be renewed if the licensee demonstrates to the Director's satisfaction that further testing is necessary and that the licensee complied with the terms of the license.*
 - This letter requests a renewal of the City of Pendleton's ASR limited license #006 in order to extend the license for five more years.
 - The reasons that further testing is necessary are provided in Section 1, Reason for Renewal.
- 2) **Notice Prior to Injection and Recovery.** *The licensee shall give notice, in writing, to the watermaster not less than 15 days in advance of either initiating any injection under the license or the recovering stored water. The injection notice shall include the license number, the location of the injection source water diversion, the quantity of water to be diverted from that source, the time of injection, and the place of injection. The recovery notice shall include the license number, the location of the recovery well(s), the time of recovery, and the quantity of water to be recovered.*
 - The City has notified the Watermaster in writing (by email) each year before initiating injection and recovery.
- 3) **Record of Use.** *The licensee shall maintain a record of injection and recovery, including the total number of hours of injection and recovery and the total metered quantity injected and recovered. The record of use may be reviewed by Department staff upon request.*
 - The City has kept records of the injection and recovery volumes and has reported the data to the Department in the ASR annual reports. The City submits digital copies of all electronically recorded water level and pumping rate data to the Department as part of the ASR reporting requirements.
- 4) **Modification/Revocation.** *The Department shall notify the licensee in writing and allow the licensee to respond when considering modifying or revoking the ASR limited license.*
 - The City understands that the Department will notify the City in writing of any changes that may be made to the ASR limited license. The City has not received any correspondence from the Department informing the City of any modifications or revocations to the limited license.
- 5) **Priority/Protection.** *This license does not receive a priority date and [is] not protected under ORS 540.045. The diversion of water for this ASR testing retains the priority date and protection of those water rights.*
 - The City understands that the limited license does not receive a priority date like a water right.
- 6) **Compliance with Other Laws.** *The injection of acceptable water into the aquifer as well as its storage and recovery under this license shall comply with all applicable local, state or federal laws. This shall include but not be limited to compliance with the Oregon Department of Environmental*

Quality's Underground Injection Control registration program as authorized under the Safe Drinking Water Act (40 CFR 144.26). Also, all pilot test discharges to waterways must be covered by a DEQ National Pollution Discharge Elimination System (NPDES) permit.

- The City has complied with all federal, state, and local permits with regard to injecting acceptable water into the aquifer. A summary of water quality data can be found in the annual reports that have been submitted to the Department.
- The City's first three ASR wells (Wells 1, 5, and 14) are registered and rule-authorized under DEQ UIC Facility Number 14666. Wells 4 and 8 are registered and rule-authorized under Facility Number 11444. Compliance with the requirements of UIC nos. 14666 and 11444 have been met since pilot testing activities first began.
- The City does not discharge directly to waterways in connection with ASR pilot testing and no DEQ NPDES permit is needed.

7) **Detailed Testing Plans.** *The Licensee shall submit a detailed testing plan for each injection well as the project develops. The plan shall include precise well location and construction information, in addition to other testing features, and shall be sealed and signed by a professional(s) registered or allowed, under Oregon law, to practice geology. The Licensee shall obtain Departmental approval of a detailed plan before injection testing at a well may begin. The Department may approve, condition, or reject a detailed plan.*

- The City has submitted testing plans for their ASR program before the start of pilot testing at each well, and addenda outlining proposed changes to the approved testing plans. The City uses five wells for injection. Information about each well is included in the annual reports submitted to the Department.

8) **Water Quality Conditions and Limits.**

- The injection source water quality has met all state and federal drinking water standards and has not exceeded regulatory criteria for ASR. The City has complied with the conditions and limits outlined in Condition 8(A) through 8(E) of the limited license, as demonstrated by the available source water quality data summarized in the annual reports for water years 2018 through 2022.

9) **Water Quality Monitoring.** *The licensee shall sample and analyze injection, receiving and recovered water as described in the currently approved test plan.*

- The City continues to collect water quality samples throughout ASR cycles in compliance with the terms outlined in this condition and in the approved ASR testing plans. Results from all water quality sampling activities are included in the annual reports submitted to the Department.
- During the limited license renewal in 2018, the water quality monitoring plan was modified, which included the following changes that were approved by the Department:
 1. Discontinued source water sampling at Well 4.
 2. Reduction in monitoring for recovered water at Well 4 to be in congruence with the City's DWS schedule.
 3. Discontinue field parameter monitoring, except when collecting samples for laboratory analysis.
- Due to staffing changes, the City mistakenly overlooked collecting field parameter measurements during Year 18 and Year 19 sampling events; geochemical parameters for the WFP (Year 18 and Year 19), Well 4 (Year 18); and nitrate for Well 4 (Year 18), and the

WFP (Year 18 and Year 19). The City, however, has made staffing changes and is training new staff to avoid further issues.

10) Water Level Monitoring. *The licensee shall monitor water levels in wells in the manner described in the pilot test program dated March 2012. The licensee shall submit a detailed water level monitoring plan for testing at each subsequent injection well.*

- The City has monitored the water level response in the basalt aquifer to the City's ASR activities in compliance with the approved ASR testing plans. The City has provided OWRD with electronic water level data for all wells that have been instrumented to collect data digitally, along with manual measurements of water levels to ensure accuracy.
 - i. Due to malfunctioning equipment, data gaps exist in Year 18 and Year 19. The City has since recognized the issue and is working to repair or replace the equipment.

11) Recovery. *The availability of stored water for recovery is based on the following factors:*

(A) Available stored water is determined on a well-by-well basis. The licensee may recover up to 95% of the quantity injected under this license during the water year that the water was injected. After that water year, the availability of stored water shall be further diminished each water year such that the license may only recover up to 95% of any water year-to-water year storage carryover. For example, water year 2013 lasts from October 1, 2012 through September 30, 2013. Data collected by the licensee may be useful in consideration of modifications to this recovery provision under the license.

(B) Any water withdrawn from an ASR well identified in this license shall first be debited against the quantity available in the aquifer by virtue of ASR storage. When the ASR storage is depleted at an ASR well, any water withdrawn from an ASR well shall be considered a draft of natural groundwater, requiring separate or additional authorization. This license does not authorize withdrawal of more water than was injected.

(C) The availability of stored water is a running account that is subject to determination at any time.

- As required by this condition, water withdrawn from the ASR wells is first debited against the quantity available from ASR storage before being considered a draft of natural groundwater.
- The City has recovered less than 95 percent of stored water and has not pumped native groundwater from any of the five ASR wells since 2011. Previously, after recovering up to 95 percent of the ASR stored volume each year, the City has continued to pump native groundwater under their existing water rights.
- Yearly reporting to the Department has documented the recovered volumes of ASR water and native groundwater. An accounting summary of all injected and recovered water is detailed in the annual reports submitted to the Department.

12) Reporting.

(A) Except as otherwise noted, the licensee shall provide the Department a written report of the results of ASR testing for each water year by February 15th of the following water year. The report shall detail the several kinds of data collected during the water year (including the water quality results in condition 9, in a DEQ-specified format), analyze those data to show the ASR project impacts on the aquifer, analyze for loss, indicate the testing/development progress made under the terms of the limited license, and the new-year carryover storage at each well. Annual reports shall be sealed and signed by a professional(s) registered or allowed, under Oregon law, to practice geology.

(B) As pertinent, annual reporting shall include the formatting and additional information cited in Condition 13 below.

- Annual reports have been submitted to the Department for each year of ASR pilot testing by April 15. Year 18 and Year 19 were submitted past this deadline. The City has acknowledged this but assures the Department that subsequent reports will be submitted by the deadline.

13) Special Reporting Condition. *The Licensee shall provide the following information to the Department:*

(A) *Submission of any and all hydrogeologic data collected and reports developed for the project, including but not limited to cuttings analysis, video logs, geophysical logs, aquifer tests and step tests.*

(B) *Submission of digital water level data for all ASR wells and any other wells measured in conjunction with the project (in a Department-specified format).*

(C) *Submission of annual reports with locations and elevations for all project wells (actual locations of built wells and proposed locations for proposed locations) and locations and elevations for all non-project wells that have been used for collecting water levels or other data pertinent to the project (in a Department-specified format).*

(D) *Notification in the annual report of any changes in well construction to the ASR license file.*

(E) *Associating all project well data with the Department Well Identification Number (Well ID Number), the Department Well Log ID, if available, and the project Well Name.*

- Annual reports have included all applicable information required under this condition.

14) Well Tag Condition for Licensee Wells. *The licensee shall ensure that their wells have been assigned a Department Well Identification Number (Well ID Number). A tag showing the Well ID Number shall be permanently attached to the well. If a well does not have a Well ID Number, the licensee shall apply for one from the Department and attach it to the well. The Well ID Number shall be used as a reference in any correspondence regarding the well, including any reports of water use, water level, or pump test data.*

- All wells currently associated with the City’s ASR program have been assigned a Well ID Number, as summarized in the table below. A tag showing the Well ID Number is permanently attached to each well and is used as reference in any correspondence regarding the well, including reports of water use, level or pump test data.

Project Well Name	Type of Well	Log County	Log Number	Well Tag Number
Well 1, Byers	ASR	UMAT	531	L-94955
Well 2, Round-Up	Observation	UMAT	53635	L-94956
Well 4, Hospital	ASR	UMAT	55619	L-94958
Well 5, Stillman	ASR	UMAT	530	L-94959
Well 8, Prison	ASR	UMAT	554	L-102164
Well 14	ASR	UMAT	54072	L-94962

15) Well Construction. *Injection and recovery wells shall be open to a single aquifer in the Columbia River Basalt Group and shall meet applicable well construction standards (e.g., OAR 690-200 and OAR 690-210). Following well drilling to total depth, new wells shall be thoroughly developed to remove cuttings and drilling fluids. The licensee or their agent shall consult with a Department Hydrogeologist and the Department’s Well Construction and Compliance Section before well*

completion to obtain approval of the proposed final casing and seal depth. The wells shall be designed to limit the irretrievable loss of injection water to unsaturated zones.

- Casing and seal depths for new project wells (including Well 11b; see Section 3 below), will be approved by the Department, completed in a single aquifer in the Columbia River Basalt Group, and meet all applicable well construction standards. All new project wells will be developed to remove cuttings and drilling fluids.

16) **Cuttings.** *During drilling of new project wells, the licensee shall collect cuttings at a minimum of 10-foot intervals and at major formation changes. The licensee shall provide a split of the cuttings to the Department.*

- The City recently constructed Well 11b and are proposing to add this well to LL #006 (see Section 3). Cuttings were collected at a minimum of 10-foot intervals and at major formation changes. Split samples of washed cuttings are available and will be provided to the Department.

17) **Protection for Existing Users.** *In the event of conflicts with existing appropriators, the licensee shall conduct all testing so as to mitigate the injurious effects. In addition, the licensee shall cooperate with the efforts of the Departments to protect existing water rights and the water quality of existing users that rely upon the receiving aquifer and the injection source water.*

- No injuries to existing groundwater users have been reported since the start of ASR activities.
- By reducing consumption of the groundwater resource, the ASR program provides an overall benefit to the aquifer and groundwater users.

18) **Use of Recovered Water.** *The licensee shall use any recovered water for the use allowed in the diversion authorization.*

- The recovered water has been put to beneficial municipal use as described in the water right used to provide injection source water.

19) **Additional Conditions on an Informal Basis.** *The Department may suggest additional conditions to the licensee. Provided that those conditions are agreed to and undertaken by the licensee, the Department may forego formal changes to this license. This informal process does not extend to condition reductions. These additional conditions may be part of any license renewal or permit.*

- The City understands that the Department may suggest additional conditions without a formal change to this license.

20) **Other Measures.** *The licensee shall take any additional measures, as appropriate, to address ASR-related issues such as landslide activation, seepage, streamflow increases, interferences with nearby wells, aquifer storage limitations, and water quality protection. The licensee shall resolve these issues prior to submittal of an ASR permit application.*

- No adverse impacts from City ASR activities have been observed or reported since pilot testing first began. The City continues to actively monitor for adverse impacts during ASR activities.

21) **Carryover Storage.** *At the end of testing under this license, the licensee shall provide an accounting to the Department of the residual stored water based on the methods of determination given in this license. The Department shall consider this residual for carryover to a permanent ASR permit based on information which discloses the aquifer's ability to retain stored water.*

- A running account of the volume of residual stored water has been submitted to the Department each year as part of the ASR annual reporting. At the end of the most recent testing year (Year 19, Water Year 2022), the carryover volume was 1.42 billion gallons.

22) **Well Repairs.** *The Department reserves the option to revisit the well reconstruction issue at the time of ASR permit issuance. A decision will be made at that time based on another look at whether well construction results in damage to the resource or injury to other users, or whether use of the well in its current state would preclude the proper operation of the project for its intended purpose. (The latter could include, but is not limited to, consideration of water quality factors including the potential for contamination, mechanical stability of the well, commingling of aquifers, adequacy of access for measurement purposes, and potential for loss of artesian head.)*

- The Department has not notified the City of any concerns or issues it has regarding the construction of the wells approved as injection and recovery wells under the limited license.

3. Proposal to Add Wells to the Limited License

The limited license lists six ASR wells that are *potentially allowed* to be used for ASR:

- Well 1, Byers (UMAT 531)
- Well 5, Stillman (UMAT 530)
- Well 8, Prison (UMAT 554)
- Well 2, Round-Up (UMAT 53635)
- Well 14 (UMAT 54072)
- Well 4, Hospital (UMAT 55619)
- Well 15, not yet drilled

The City anticipates adding two ASR wells in the next two years, and while further investigation will be required to determine the best candidate wells for ASR expansion, the City proposes to add the following well to the list of potential ASR wells in the renewed limited license:

- Well 11b (UMAT 59063) (Start Card No. 1060089) – for injection and recovery after it is has been added as an additional point of appropriation under G-3225, approved as an ASR injection well, and approved as an ASR recovery municipal supply well and beneficial use purposes.
 - Maximum anticipated injection and recovery rate of up to 2,500 gpm
 - Location address: 4300 SW Houtama Road, Pendleton, OR 97801
 - Location description: 2190 feet south and 1720 feet west from the northeast corner of Section 8 Southwest, Township 2 North, Range 32 East
 - The City applied for a permit amendment to add Well 11b as an additional point of appropriation under Permit G-3225 on September 19, 2022. The intent of this amendment is to mitigate the limitations of Well 11, which due to the diameter of the well, would not allow for a larger pump to be installed to accommodate greater injection/recovery rates. The permit amendment is currently being processed by the Department.

Well 11b is constructed to a similar depth as existing Well 11 (see **Attachment A** and UMAT 512). During the 2018 renewal, the Department indicated that the well log for Well 11 reported deficient casing and seal. Well 11b has been constructed to meet all the requirements set by the Department and the final construction is outlined in **Attachment A**.

The City understands that Department approval of a detailed testing plan is required before injection testing may begin at Well 11b and Oregon Health Authority approval as a drinking water supply source before it can recover the stored water for municipal purposes. The City also understands that the Department may approve, condition, or reject the detailed testing plan for Well 11b.

4. Closing

Thank you for considering this request for a five-year renewal of ASR LL #006, including proposed modifications. The fee of \$1,150 for renewal and modification of a limited license for ASR testing purposes is provided in **Attachment B**. Please contact Kenny Janssen at (971) 200-8530 or Rodrigo Prugue at (305) 606-1623 with any questions.

Attachment A

Well Construction Information for Well 11b

(as required by ORS 537.545 & 537.765 and OAR 690-205-0210)

(1) LAND OWNER Owner Well I.D. Well 11B
First Name Last Name
Company City of Pendleton
Address 500SW Dorion Ave
City Pendleton State OR Zip 97801
(2) TYPE OF WORK [X] New Well [] Deepening [] Conversion
[] Alteration (complete 2a & 10) [] Abandonment (complete 5a)
(2a) PRE-ALTERATION
Dia + From To Gauge Stl Plstc Wld Thrd
Casing: [] [] [] [] [] [] [] []
Material From To Amt sacks/lbs
Seal: [] [] [] [] [] [] [] []

(3) DRILL METHOD
[X] Rotary Air [] Rotary Mud [] Cable [] Auger [] Cable Mud
[] Reverse Rotary [] Other

(4) PROPOSED USE
[] Domestic [] Irrigation [X] Community
[] Industrial/ Commercial [] Livestock [] Dewatering
[] Thermal [] Injection [] Other

(5) BORE HOLE CONSTRUCTION Special Standard [] (Attach copy)
Depth of Completed Well 400 ft.
BORE HOLE SEAL sacks/ lbs
Dia From To Material From To Amt lbs
24 0 11 Cement 0 257 276 S
23 11 257 Calculated 168
19 257 400 Calculated

How was seal placed: Method [] A [X] B [] C [] D [] E
[] Other
Backfill placed from ft. to ft. Material
Filter pack from ft. to ft. Material Size
Explosives used: [] Yes Type Amount

(5a) ABANDONMENT USING UNHYDRATED BENTONITE
Proposed Amount Pounds Actual Amount Pounds

(6) CASING/LINER
Casing Liner Dia + From To Gauge Stl Plstc Wld Thrd
Shoe [] Inside [X] Outside [] Other Location of shoe(s) 257
Temp casing [X] Yes Dia 24 From + [X] 1 To 11

(7) PERFORATIONS/SCREENS
Perforations Method
Screens Type Material
Perf/S Casing/ Screen Scrn/slot Slot # of Tel/
reen Liner Dia From To width length slots pipe size

(8) WELL TESTS: Minimum testing time is 1 hour
[X] Pump [] Bailer [] Air [] Flowing Artesian
Yield gal/min Drawdown Drill stem/Pump depth Duration (hr)
440 39.2 273 24
Temperature 55 °F Lab analysis [] Yes By
Water quality concerns? [] Yes (describe below) TDS amount 181 ppm
From To Description Amount Units

(9) LOCATION OF WELL (legal description)
County UMATILLA Twp 2 N N/S Range 32 E E/W WM
Sec 8 SW 1/4 of the NE 1/4 Tax Lot 700
Tax Map Number Lot
Lat " or 45.66849600 DMS or DD
Long " or -118.83490600 DMS or DD
[] Street address of well [] Nearest address
4300 SW Houtama Rd Pendleton, OR 97801

(10) STATIC WATER LEVEL
Date SWL(psi) + SWL(ft)
Existing Well / Pre-Alteration
Completed Well 04-18-2023 209.4
Flowing Artesian? [] Dry Hole? []
WATER BEARING ZONES Depth water was first found 7.5
SWL Date From To Est Flow SWL(psi) + SWL(ft)
02-20-2023 7.5 8.5 2 N/A
03-22-2023 259 265 50 212
03-23-2023 280 316 100 209.64
03-24-2023 341 356 250 209.4

(11) WELL LOG Ground Elevation 1,003
Material From To
See Attached Formation Description
RECEIVED
MAY 8 2023
OWRD

Date Started 02-16-2023 Completed 04-18-2023

(unbonded) Water Well Constructor Certification
I certify that the work I performed on the construction, deepening, alteration, or abandonment of this well is in compliance with Oregon water supply well construction standards. Materials used and information reported above are true to the best of my knowledge and belief.
License Number 2086 Date 05-04-2023
Signed

(bonded) Water Well Constructor Certification
I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
License Number 1523 Date 05-04-2023
Signed
Contact Info (optional)



10621 Todd Road East
 Edgewood, WA 98372
 253 604-4878

RECEIVED

MAY 8 2023

Well Name: City of Pendleton Well 111B Production Well

Start Card/Permit #: 1060089

OWRD

Label #: 136256

	From:	To:
Top soil with mixed gravels	0	5
Large gravels	5	8.5
Basalt	8.5	9.6
Black basalt hard	9.6	22
Med hard basalt	22	64
Hard Basalt	64	76
Med/soft basalt/ mix with Red rock Fractured up	76	95
Hard Basalt	95	105
Hard basalt	105	119
Medium/hard basalt	119	120
Hard Basalt	120	122
Medium/hard basalt	122	130
Broken up/ medium basalt	130	140
Medium/hard basalt	140	163
Broken up/ medium basalt, Red lava rock mix, some water	163	178
Hard basalt Red lava rock mix	178	189
Broken up Brown lava rock, black basalt mix	189	209
Hard basalt	209	230
Broken up hard black basalt	230	231
Hard black basalt	231	240
Broken up black basalt	241 240	242
Hard black basalt	242	259
Broken up medium Black basalt Minor Water Zone	259	261
Broken up mix of Black and brown basalt	261	265
Medium hard brown and black basalt	265	280
Broken up black basalt, (water zone)	280	316
Hard black basalt	316	341
Medium/soft black basalt, broken up. increase In water	341	356
Hard basalt	356	373
Broken up black basalt	373	383
Med black basalt	383	400

STATE OF OREGON
WELL LOCATION MAP

This map is supplemental to the WATER SUPPLY WELL REPORT

Oregon Water Resources Department

725 Summer St NE, Salem OR 97301
(503)988-0900



LOCATION OF WELL

Latitude: 45.66849600 Datum: WGS84

Longitude: -118.83490600

Township/Range/Section/Quarter-Quarter Section:

WM2.00N32.00E8SWNE

Address of Well:

4300 SW HOUTAMARD, PENDLETON, OR 97801

Startcard: 1060089

RECEIVED

Printed: May 4, 2023

MAY 8 2023

DISCLAIMER: This map is intended to represent the approximate location the well. It is not intended to be construed as survey accurate in any manner.

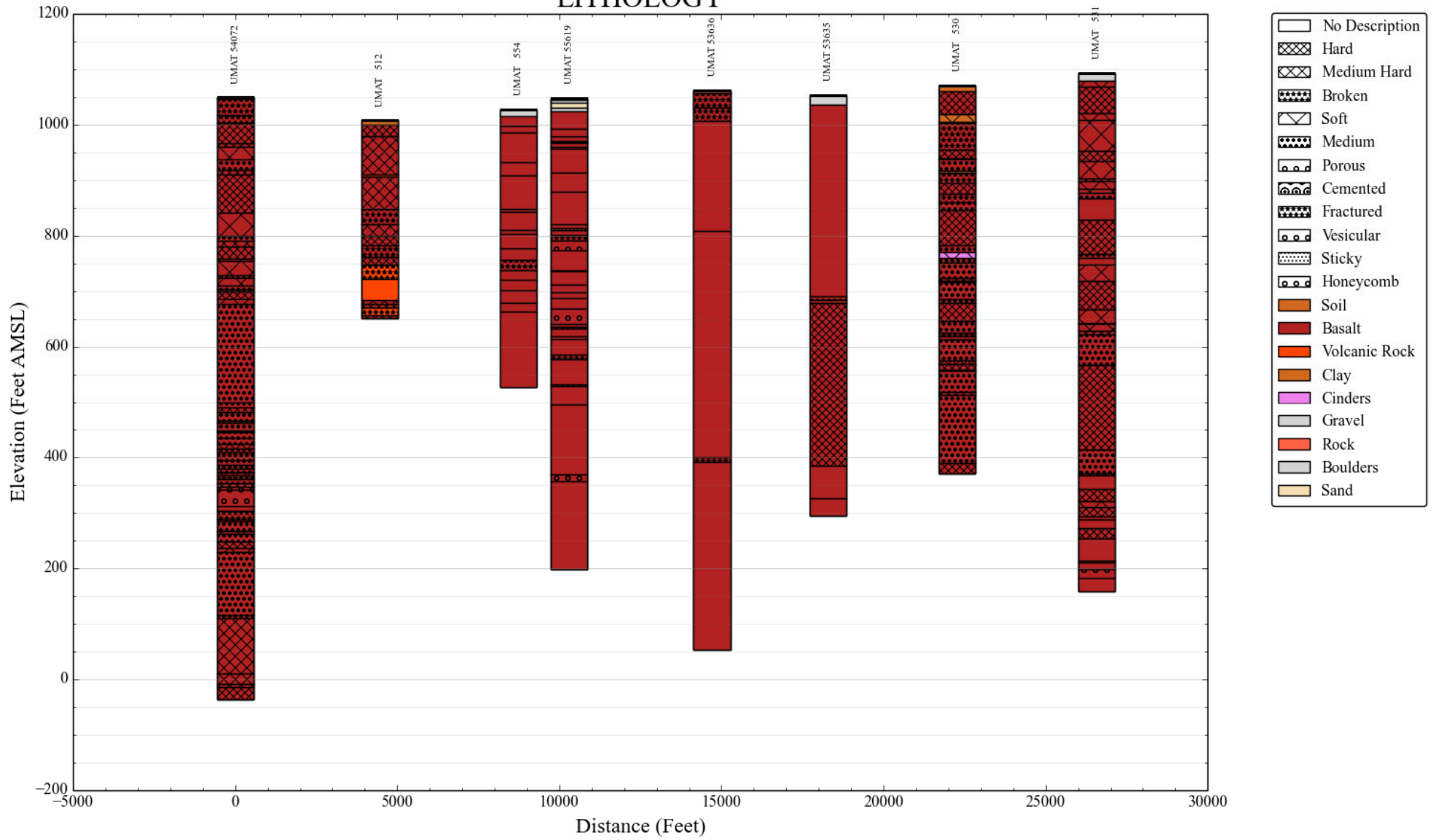
OWRD

Provided by well constructor



Cross Section of City Wells

LITHOLOGY



Attachment B

Filing Fee



650 NE Holladay Street Suite 900 Portland OR 97232
 P: 503.239.8799 F: 503.239.8940
 info@gsiws.com www.gsiws.com



beneficial state bank

026311
90-8205/1211

DATE

October 2, 2023

PAY One Thousand One Hundred Fifty and 00/100 Dollars

AMOUNT

TO THE ORDER OF
Oregon Water Resources Department
725 Summer St NE, Suite A
Salem, OR 97301-1271

VOID AFTER 90 DAYS 1,150.00



[Handwritten Signature]
AUTHORIZED SIGNATURE

⑈026311⑈ ⑆121182056⑆ 2230007936⑈

GSI WATER SOLUTIONS INC

Check Date: 10/2/2023

026311

Invoice Number	Date	Voucher	Amount	Discounts	Previous Pay	Net Amount
Pendleton Filing fee	9/29/2023	0022725	1,150.00			1,150.00
Oregon Water Resources Department		TOTAL	1,150.00			1,150.00
Beneficial Checking	2	00275				

GSI WATER SOLUTIONS INC

Check Date: 10/2/2023

026311

Invoice Number	Date	Voucher	Amount	Discounts	Previous Pay	Net Amount
Pendleton Filing fee	9/29/2023	0022725	1,150.00			1,150.00
Oregon Water Resources Department		TOTAL	1,150.00			1,150.00
Beneficial Checking	2	00275				

