



State of Oregon  
 Water Resources Department  
 725 Summer Street NE, Suite A  
 Salem, Oregon 97301-1266  
 (503) 986-0900

# Application for Permanent Water Right Transfer

## Part 1 of 5 – Minimum Requirements Checklist

**This transfer application will be returned if Parts 1 through 5 and all required attachments are not completed and included.**  
 For questions, please call (503) 986-0900, and ask for Transfer Section.

**Check all items included with this application. (N/A = Not Applicable)**

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- Part 1 – Completed Minimum Requirements Checklist.
- Part 2 – Completed Transfer Application Map Checklist.
- Part 3 – Application Fee, payable by check to the Oregon Water Resources Department, and completed Fee Worksheet, page 3. Try the new online fee calculator at: [http://apps.wrd.state.or.us/apps/misc/wrd\\_fee\\_calculator](http://apps.wrd.state.or.us/apps/misc/wrd_fee_calculator). If you have questions, call Customer Service at (503) 986-0801.
- Part 4 – Completed Applicant Information and Signature.
- Part 5 – Information about Water Rights to be Transferred: **How many water rights are to be transferred? 1 List them here: 91526 (Attachment A)**  
Please include a separate Part 5 for each water right. (See instructions on page 6)

**Attachments:**

- Completed Transfer Application Map. **(Attachment B)**
- Completed Evidence of Use Affidavit and supporting documentation. **(Attachment C)**
- N/A Affidavit(s) of Consent from Landowner(s) (if the applicant does not own the land the water right is on.)
- N/A Supplemental Form D – For water rights served by or issued in the name of an irrigation district. Complete when the transfer applicant is not the irrigation district.
- N/A Oregon Water Resources Department's Land Use Information Form with approval and signature (or signed land use form receipt stub) from each local land use authority in which water is to be diverted, conveyed, and/or used. Not required if water is to be diverted, conveyed, and/or used only on federal lands or if **all** of the following apply: a) a change in place of use only, b) no structural changes, c) the use of water is for irrigation only, and d) the use is located within an irrigation district or an exclusive farm use zone. **(Attachment D)**
- N/A Water Well Report/Well Log for changes in point(s) of appropriation (well(s)) or additional point(s) of appropriation. **(Attachment E)**
- N/A Geologist Report for a change from a surface water point of diversion to a ground water point of appropriation (well), if the proposed well is more than 500' from the surface water source and more than 1000' upstream or downstream from the point of diversion. See OAR 690-380-2130 for requirements and applicability.

**(For Staff Use Only)**

**WE ARE RETURNING YOUR APPLICATION FOR THE FOLLOWING REASON(S):**

<input type="checkbox"/> Application fee not enclosed/insufficient	<input type="checkbox"/> Map not included or incomplete
<input type="checkbox"/> Land Use Form not enclosed or incomplete	<input type="checkbox"/> Part _____ is incomplete
<input type="checkbox"/> Additional signature(s) required	
Other/Explanation _____	
Staff: _____ 503-986-0 _____	Date: ____ / ____ / ____



## Part 2 of 5 – Transfer Application Map Checklist

Your transfer application **will be returned** if any of the map requirements listed below are not met.

Please be sure that the transfer application map you submit includes all the required items and matches the existing water right map. Check all boxes that apply.

- N/A Certified Water Right Examiner (CWRE) Stamp and Original Signature. For a list of CWREs, see [http://apps.wrd.state.or.us/apps/wr/cwre\\_license\\_view/](http://apps.wrd.state.or.us/apps/wr/cwre_license_view/). CWRE stamp and signature are not required for substitutions.
- N/A If **more than three** water rights are involved, separate maps are needed for each water right.
- Permanent quality printed with dark ink on good quality paper.
- The size of the map can be 8½ x 11 inches, 8½ x 14 inches, 11 x 17 inches, or up to 30 x 30 inches. For 30 x 30 inch maps, one extra copy is required.
- A north arrow, a legend, and scale.
- The scale of the map must be: 1 inch = 400 feet, 1 inch = 1,320 feet, the scale of the Final Proof/Claim of Beneficial Use Map (the map used when the permit was certificated), the scale of the county assessor map if the scale is not smaller than 1 inch = 1,320 feet, or a scale that has been pre-approved by the Department.
- Township, Range, Section, ¼ ¼, DLC, Government Lot, and other recognized public land survey lines.
- Tax lot boundaries (property lines) are required. Tax lot numbers are recommended.
- Major physical features including rivers and creeks showing direction of flow, lakes and reservoirs, roads, and railroads.
- Major water delivery system features from the point(s) of diversion/appropriation such as main pipelines, canals, and ditches.
- Existing place of use that includes separate hachuring for each water right, priority date, and use including number of acres in each quarter-quarter section, government lot, or in each quarter-quarter section as projected within government lots, donation land claims, or other recognized public land survey subdivisions. If less than the entirety of the water right is being changed, a separate hachuring is needed for lands left unchanged.
- N/A Proposed place of use that includes separate hachuring for each water right, priority date, and use including number of acres in each quarter-quarter section, government lot, or in each quarter-quarter section as projected within government lots, donation land claims, or other recognized public land survey subdivisions.
- Existing point(s) of diversion or well(s) with distance and bearing or coordinates from a recognized survey corner. This information can be found in your water right certificate or permit.
- N/A If you are proposing a change in point(s) of diversion or well(s), show the proposed location and label it clearly with distance and bearing or coordinates. If GPS coordinates are used, latitude-longitude coordinates may be expressed as either degrees-minutes-seconds with at least one digit after the decimal (example – 42°32'15.5") or degrees-decimal with five or more digits after the decimal (example – 42.53764°).







## Part 4 of 5 – Applicant Information and Signature

### Applicant Information

APPLICANT/BUSINESS NAME <b>City of Salem, Attn: Jason Pulley</b>		PHONE NO. <b>503-588-6398</b>	ADDITIONAL CONTACT NO.
ADDRESS <b>555 Liberty Street SE, Room 325</b>			FAX NO.
CITY <b>Salem</b>	STATE <b>OR</b>	ZIP <b>97301</b>	E-MAIL <b>jpulley@cityofsalem.net</b>
<b>BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE DEPARTMENT ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED.</b>			

**Agent Information** – The agent is authorized to represent the applicant in all matters relating to this application.

AGENT/BUSINESS NAME <b>GSI Water Solutions, Attn: Adam Sussman</b>		PHONE NO. <b>541-257-9001</b>	ADDITIONAL CONTACT NO.
ADDRESS <b>1600 SW Western Blvd., Suite 240</b>			FAX NO.
CITY <b>Corvallis</b>	STATE <b>OR</b>	ZIP <b>97333</b>	E-MAIL <b>asussman@gsiws.com</b>
<b>BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE DEPARTMENT ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED.</b>			

Explain in your own words what you propose to accomplish with this transfer application, and why:  
**The Applicant proposes to add two proposed collector wells (Collector Wells 2 and 3) as authorized points of appropriation under Certificate 91526.**

If you need additional space, continue on a separate piece of paper and attach to the application as "Attachment 1".

Check this box if this project is fully or partially funded by the American Recovery and Reinvestment Act. (Federal stimulus dollars)

#### Check One Box

- By signing this application, I understand that, upon receipt of the draft preliminary determination and prior to Department approval of the transfer, I will be required to provide landownership information and evidence that I am authorized to pursue the transfer as identified in OAR 690-380-4010(5); **OR**
- I affirm the applicant is a municipality as defined in ORS 540.510(3)(b) and that the right is in the name of the municipality or a predecessor; **OR**
- I affirm the applicant is an entity with the authority to condemn property and is acquiring by condemnation the property to which the water right proposed for transfer is appurtenant and have supporting documentation.

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**By my signature below, I confirm that I understand:**

- Prior to Department approval of the transfer application, I may be required to submit payment to the Department for publication of a notice in a newspaper with general circulation in the area where the water right is located, once per week for two consecutive weeks. If more than one qualifying newspaper is available, I suggest publishing the notice in the following newspaper: Statesman Journal.
- Amendments to the application may only be made in response to the Department's Draft Preliminary Determination (DPD). The applicant will have a period of at least 30 days to amend the application to address any issues identified by the Department in the DPD, or to withdraw the application. Note that amendments may be subject to additional fees, pursuant to ORS 536.050.
- Failure to complete an approved change in place of use and/or change in character of use, will result in loss of the water right (OAR 690-380-6010).





I (we) affirm that the information contained in this application is true and accurate.

[Signature]  
Applicant signature

Jason Pulley, Utilities Planning Coordinator  
Print Name (and Title if applicable)

12/11/19  
Date

\_\_\_\_\_  
Applicant signature

\_\_\_\_\_  
Print Name (and Title if applicable)

\_\_\_\_\_  
Date

Is the applicant the sole owner of the land on which the water right, or portion thereof, proposed for transfer is located?  Yes  No *If NO, include signatures of all deeded landowners (and mailing and/or e-mail addresses if different than the applicant's) or attach affidavits of consent (and mailing and/or e-mail addresses) from all landowners or individuals/entities to which the water right(s) were conveyed. **The City owns the land where the authorized and proposed points of appropriation are located.***

Check the following boxes that apply:

- The applicant is responsible for completion of change(s). Notices and correspondence should continue to be sent to the applicant.
- The receiving landowner will be responsible for completing the proposed change(s) after the final order is issued. Copies of notices and correspondence should be sent to this landowner.
- Both the receiving landowner and applicant will be responsible for completion of change(s). Copies of notices and correspondence should be sent to this landowner and the applicant.

At this time, are the lands in this transfer application in the process of being sold?  Yes  No

If YES, and you know who the new landowner will be, please complete the receiving landowner information table below. If you do not know who the new landowner will be, then a request for assignment will have to be filed for at a later date.

If a property sells, the certificated water right(s) located on the land belong to the new owner, unless a sale agreement or other document states otherwise. For more information see:

<http://www.oregon.gov/owrd/docs/transfer-propertytransactions.pdf>

RECEIVING LANDOWNER NAME			PHONE NO.	ADDITIONAL CONTACT NO.
ADDRESS				FAX NO.
CITY	STATE	ZIP	E-MAIL	

Describe any special ownership circumstances here:

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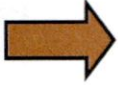
Check here if any of the water rights proposed for transfer are or will be located within or served by an irrigation or other water district. (Tip: Complete and attach Supplemental Form D.) N/A

IRRIGATION DISTRICT NAME	ADDRESS		
CITY	STATE	ZIP	

Check here if water for any of the rights supplied under a water service agreement or other contract for stored water with a federal agency or other entity. N/A

ENTITY NAME	ADDRESS		
CITY	STATE	ZIP	





To meet State Land Use Consistency Requirements, you must list all county, city, municipal corporation, or tribal governments within whose jurisdiction water will be diverted, conveyed or used.

**Both the authorized and proposed points of appropriation are located in Marion County. (The well log incorrectly identifies the county).**

ENTITY NAME <b>Marion County Planning and Zoning</b>	ADDRESS <b>5155 Silverton Rd NE</b>	
CITY <b>Salem</b>	STATE <b>OR</b>	ZIP <b>97305</b>

ENTITY NAME	ADDRESS	
CITY	STATE	ZIP

ENTITY NAME	ADDRESS	
CITY	STATE	ZIP

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## Part 5 of 5 – Water Right Information

Please use a separate Part 5 for each water right being changed. See instructions on page 6, to copy and paste additional Part 5s, or to add additional rows to tables within the form.

### CERTIFICATE # 91526

#### Description of Water Delivery System

System capacity: 30 cubic feet per second (cfs) **OR**  
       gallons per minute (gpm)

Describe the current water delivery system or the system that was in place at some time within the last five years. Include information on the pumps, canals, pipelines, and sprinklers used to divert, convey, and apply the water at the authorized place of use. **Water is pumped from Collector Well 1 to the City of Salem's Geren Island Water Treatment Facility. After treatment, water is conveyed to the City's service area and distributed to customers.**

**Table 1. Location of Authorized and Proposed Point(s) of Diversion (POD) or Appropriation (POA)**  
 (Note: If the POD/POA name is not specified on the certificate, assign it a name or number here.)

POD/POA Name or Number	Is this POD/POA Authorized on the Certificate or is it Proposed?	If POA, OWRD Well Log ID# (or Well ID Tag # L-___)	Twp		Rng		Sec	¼ ¼		Tax Lot, DLC or Gov't Lot	Measured Distances (from a recognized survey corner)
<b>Collector Well 1</b>	<input checked="" type="checkbox"/> Authorized <input type="checkbox"/> Proposed	LINN 2676*	9	S	1	W	13	NE	NW	400	980 feet South and 1450 feet East from the NW corner of Section 13
<b>Collector Well 2</b>	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed		9	S	1	W	11	SE	SE	100	705 feet North and 1,200 feet West of the NW corner of Section 13
<b>Collector Well 3</b>	<input type="checkbox"/> Authorized <input checked="" type="checkbox"/> Proposed		9	S	1	W	13	SW	NE	400	1,815 feet South and 3,155 feet East of the NW corner of Section 13

\*Although this well was assigned a "LINN" ID, the well is located in Marion county

**Check all type(s) of change(s) proposed below (change "CODES" are provided in parentheses):**

- |  |  |
|--|--|
| <input type="checkbox"/> Place of Use (POU)                            | <input type="checkbox"/> Supplemental Use to Primary Use (S to P)            |
| <input type="checkbox"/> Character of Use (USE)                        | <input type="checkbox"/> Point of Appropriation/Well (POA)                   |
| <input type="checkbox"/> Point of Diversion (POD)                      | <input checked="" type="checkbox"/> Additional Point of Appropriation (APOA) |
| <input type="checkbox"/> Additional Point of Diversion (APOD)          | <input type="checkbox"/> Substitution (SUB)                                  |
| <input type="checkbox"/> Surface Water POD to Ground Water POA (SW/GW) | <input type="checkbox"/> Government Action POD (GOV)                         |

**Will all of the proposed changes affect the entire water right?**

**Yes** Complete only the Proposed ("to" or "on" lands) section of Table 2 on the next page. Use the "CODES" listed above to describe the proposed changes.

**No** Complete all of Table 2 to describe the portion of the water right to be changed.

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Please use and attach additional pages of Table 2 as needed.  
See page 6 for instructions.

Do you have questions about how to fill-out the tables?  
Contact the Department at 503-986-0900 and ask for Transfer Staff.

**Table 2. Description of Changes to Water Right Certificate # 91526**

List the change proposed for the acreage in each 1/4 1/4. If more than one change is proposed, specify the acreage associated with each change. If there is more than one POD/POA involved in the proposed changes, specify the acreage associated with each POD/POA.

AUTHORIZED (the "from" or "off" lands) The listing that appears on the certificate BEFORE PROPOSED CHANGES List only that part or portion of the water right that will be changed.											Proposed Changes (see "CODES" from previous page)	PROPOSED (the "to" or "on" lands) The listing as it would appear AFTER PROPOSED CHANGES are made.															
Twp	Rng	Sec	1/4	1/4	Tax Lot	Gvt Lot or DLC	Acre	Type of USE listed on Certificate	POD(s) or POA(s) (name or number from Table 1)	Priority Date		Twp	Rng	Sec	1/4	1/4	Tax Lot	Gvt Lot or DLC	Acre	New Type of USE	POD(s)/POA(s) to be used (from Table 1)	Priority Date					
<b>EXAMPLE</b>																											
2	S	9	E	15	NE	NW	100		15.0	Irrigation	POD #1 POD #2	1901	POU/POD	2	S	9	E	1	NW	NW	500	1	10.0		POD #5	1901	
															2	S	9	E	2	SW	NW	500		5.0		POD #6	1901
													APOA	The authorized place of use for Certificate 91526 is listed in the certificate, which is provided in Attachment A								Municipal	Collector Wells 1, 2 and 3	1/2/1958			
TOTAL ACRES:												TOTAL ACRES:															

Additional remarks: The City is proposing to add two authorized points of appropriation to Certificate 91526, no other changes are proposed. The authorized point of appropriation on Certificate 91526 is referred to as Stayton Island Infiltration System. An infiltration gallery is connected to a pump station that are collectively referred to as Collector Well 1.

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**For Place of Use or Character of Use Changes**

Are there other water right certificates, water use permits or ground water registrations associated with the “from” or the “to” lands?  Yes  No N/A – Certificate 91526 is a municipal use right, so “layering” does not apply

If YES, list the certificate, water use permit, or ground water registration numbers: \_\_\_\_\_.



Pursuant to ORS 540.510, any “layered” water use such as an irrigation right that is supplemental to a primary right proposed for transfer must be included in the transfer or be cancelled. Any change to a ground water registration must be filed separately in a ground water registration modification application.

**For Substitution** (ground water supplemental irrigation will be substituted for surface water primary irrigation) - N/A

Ground water supplemental Permit or Certificate # \_\_\_\_\_;  
Surface water primary Certificate # \_\_\_\_\_.

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**For a change from Supplemental Irrigation Use to Primary Irrigation Use - N/A**

Identify the primary certificate to be cancelled. Certificate # \_\_\_\_\_

**For a change in point(s) of appropriation (well(s)) or additional point(s) of appropriation:**

- Well log(s) are attached for each authorized and proposed well(s) that are clearly labeled and associated with the corresponding well(s) in Table 1 above and on the accompanying application map.

**Tip:** You may search for well logs on the Department’s web page at:

[http://apps.wrd.state.or.us/apps/gw/well\\_log/Default.aspx](http://apps.wrd.state.or.us/apps/gw/well_log/Default.aspx) The well log for Linn 2676 is provided in Attachment E

**AND/OR**

- Describe the construction of the authorized and proposed well(s) in Table 3 for any wells that do not have a well log. For *proposed wells not yet constructed or built*, provide “a best estimate” for each requested information element in the table. The Department recommends you consult a licensed well driller, geologist, or certified water right examiner to assist with assembling the information necessary to complete Table 3.

**Table 3. Construction of Point(s) of Appropriation**

Any well(s) in this listing must be clearly tied to corresponding well(s) described in Table 1 and shown on the accompanying application map. Failure to provide the information will delay the processing of your transfer application until it is received. The information is necessary for the department to assess whether the proposed well(s) will access the same source aquifer as the authorized point(s) of appropriation (POA). The Department is prohibited by law from approving POA changes that do not access the same source aquifer.

Proposed or Authorized POA Name or Number	Is well already built? (Yes or No)	If an existing well: OWRD Well ID Tag No. L-___	Total well depth	Casing Diameter	Casing Intervals (feet)	Seal depth(s) (intervals)	Perforated or screened intervals (in feet)	Static water level of completed well (in feet)	Source aquifer (sand, gravel, basalt, etc.)	Well-specific rate (cfs or gpm). If less than full rate of water right
Collector Well 1	<b>Construction information for Collector Well 1 is provided in Attachment F</b>									
Collector Well 2	No	N/A	Up to 50 ft	20 ft	Up to 50 ft bgs	N/A – these are collector wells	Anticipate multiple lateral screens (200-ft length) appr. 30-50 ft bgs	15 ft bgs (est.)	Sand and gravel	Approx. 7000 gpm
Collector Well 3	No	N/A	Up to 50 ft	20 ft	Up to 50 ft bgs			15 ft bgs (est.)	Sand and gravel	Approx. 7000 gpm



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**Attachment A**  
**Certificate 91526**

Application for a Permanent Water Right Transfer – City of Salem

**13313 -**

STATE OF OREGON  
COUNTIES OF MARION AND POLK  
CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

CITY OF SALEM  
555 LIBERTY ST SE, RM 325  
SALEM OR 97301

confirms the right to the use of water perfected under the terms of Permit G-734. The amount of water used to which this right is entitled is limited to the amount used beneficially, and shall not exceed the amount specified, or its equivalent in the case of rotation, measured at the point of diversion from the source. The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-834  
SOURCE OF WATER: STAYTON ISLAND INFILTRATION SYSTEM  
PURPOSE OR USE: MUNICIPAL USE  
MAXIMUM RATE: 30.0 CUBIC FEET PER SECOND (CFS)  
DATE OF PRIORITY: JANUARY 2, 1958

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The well is located as follows:

Twp	Rng	Mer	Sec	Q-Q	GLot	Measured Distances
9 S	1 W	WM	13	NE NW	3	980 FEET SOUTH AND 1450 FEET EAST FROM NW CORNER, SECTION 13

A description of the place of use is as follows:

Twp	Rng	Mer	Sec	Q-Q
6 S	2 W	WM	31	SW NW
6 S	2 W	WM	31	NE SW
6 S	2 W	WM	31	NW SW
6 S	2 W	WM	31	SW SW
6 S	2 W	WM	31	SE SW
6 S	2 W	WM	31	NE SE
6 S	2 W	WM	31	NW SE
6 S	2 W	WM	31	SW SE
6 S	2 W	WM	31	SE SE
6 S	2 W	WM	32	NE SW
6 S	2 W	WM	32	SW SW
6 S	2 W	WM	32	SE SW

Twp	Rng	Mer	Sec	Q-Q
6 S	2 W	WM	32	SW SE
6 S	2 W	WM	32	SE SE
6 S	3 W	WM	23	SW NE
6 S	3 W	WM	23	SE NE
6 S	3 W	WM	23	SE NW
6 S	3 W	WM	23	NE SW
6 S	3 W	WM	23	NW SW
6 S	3 W	WM	23	SW SW
6 S	3 W	WM	23	SE SW
6 S	3 W	WM	23	NE SE
6 S	3 W	WM	23	NW SE
6 S	3 W	WM	23	SW SE

**NOTICE OF RIGHT TO PETITION FOR RECONSIDERATION OR JUDICIAL REVIEW**

This is an order in other than a contested case. This order is subject to judicial review under ORS 183.484 and ORS 536.075. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 183.484, ORS 536.075 and OAR 137-004-0080, you may petition for judicial review and petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date the petition was filed, the petition shall be deemed denied. In addition, under ORS 537.260 any person with an application, permit or water right certificate subsequent in priority may jointly or severally contest the issuance of the certificate within three months after issuance of the certificate.





Twp	Rng	Mer	Sec	Q-Q
7S	2W	WM	6	SW SE
7S	2W	WM	6	SE SE
7S	2W	WM	7	NE NE
7S	2W	WM	7	NW NE
7S	2W	WM	7	SW NE
7S	2W	WM	7	SE NE
7S	2W	WM	7	NE NW
7S	2W	WM	7	NW NW
7S	2W	WM	7	SW NW
7S	2W	WM	7	SE NW
7S	2W	WM	7	NE SE
7S	2W	WM	7	NW SE
7S	2W	WM	7	SW SE
7S	2W	WM	7	SE SE
7S	2W	WM	8	NW NE
7S	2W	WM	8	SW NE
7S	2W	WM	8	NW SW
7S	2W	WM	8	SW SW
7S	2W	WM	8	SE SW
7S	2W	WM	8	NW SE
7S	2W	WM	8	SW SE
7S	2W	WM	8	NE SW
7S	2W	WM	8	NW NE
7S	2W	WM	17	NE NW
7S	2W	WM	17	NW NW
7S	2W	WM	17	SW NW
7S	2W	WM	17	SE NW
7S	2W	WM	17	NE SW
7S	2W	WM	17	NW SW
7S	2W	WM	17	SW SW
7S	2W	WM	17	SE SW
7S	2W	WM	18	NE NE
7S	2W	WM	18	NW NE
7S	2W	WM	18	SW NE
7S	2W	WM	18	SE NE
7S	2W	WM	18	NE NW
7S	2W	WM	18	NW NW
7S	2W	WM	18	SW NW
7S	2W	WM	18	SE NW
7S	2W	WM	18	NW SW
7S	2W	WM	18	SW SW
7S	2W	WM	18	SE SW
7S	2W	WM	18	NE SE
7S	2W	WM	18	NW SE

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Twp	Rng	Mer	Sec	Q-Q
7S	2W	WM	18	SW SE
7S	2W	WM	18	SE SE
7S	2W	WM	19	NE NE
7S	2W	WM	19	NW NE
7S	2W	WM	19	SW NE
7S	2W	WM	19	SE NE
7S	2W	WM	19	NE NW
7S	2W	WM	19	NW NW
7S	2W	WM	19	SW NW
7S	2W	WM	19	SE NW
7S	2W	WM	19	NE SE
7S	2W	WM	19	NW SE
7S	2W	WM	19	SW SE
7S	2W	WM	19	SE SE
7S	2W	WM	20	NE NW
7S	2W	WM	20	NW NW
7S	2W	WM	20	SW NW
7S	2W	WM	20	SE NW
7S	2W	WM	20	NE SW
7S	2W	WM	20	NW SW
7S	2W	WM	20	SW SW
7S	2W	WM	20	SE SW
7S	2W	WM	29	NE NW
7S	2W	WM	29	NW NW
7S	2W	WM	29	SW NW
7S	2W	WM	29	SE NW
7S	2W	WM	29	NE SW
7S	2W	WM	29	NW SW
7S	2W	WM	29	SW SW
7S	2W	WM	29	SE SW
7S	2W	WM	30	NE NE
7S	2W	WM	30	NE NW
7S	2W	WM	30	NW NW
7S	2W	WM	30	SW NW
7S	2W	WM	30	SE NW
7S	2W	WM	30	NE SW
7S	2W	WM	30	NW SW
7S	2W	WM	30	SW SW
7S	2W	WM	30	SE SW
7S	2W	WM	30	NE SE
7S	2W	WM	30	NW SE
7S	2W	WM	30	SW SE
7S	2W	WM	30	SE SE
7S	2W	WM	30	NE NW
7S	2W	WM	30	NW NW
7S	2W	WM	30	SW NW
7S	2W	WM	30	SE NW
7S	2W	WM	31	NE NE
7S	2W	WM	31	NW NE
7S	2W	WM	31	SW NE



Twp	Rng	Mer	Sec	Q-Q
7S	2W	WM	31	SE NE
7S	2W	WM	31	NE NW
7S	2W	WM	31	NW NW
7S	2W	WM	31	SW NW
7S	2W	WM	31	SE NW
7S	2W	WM	31	NE SW
7S	2W	WM	31	NW SW
7S	2W	WM	31	SW SW
7S	2W	WM	31	SE SW
7S	2W	WM	31	NE SE
7S	2W	WM	31	NW SE
7S	2W	WM	31	SW SE
7S	2W	WM	31	SE SE
7S	2W	WM	32	NW NE
7S	2W	WM	32	SW NE
7S	2W	WM	32	NE NW
7S	2W	WM	32	NW NW
7S	2W	WM	32	SE NW
7S	2W	WM	32	NE SW
7S	2W	WM	32	NW SW
7S	2W	WM	32	SW SW
7S	2W	WM	32	SE SW
7S	2W	WM	32	NE SE
7S	2W	WM	32	NW SE
7S	2W	WM	32	SW SE
7S	2W	WM	32	SE SE
7S	3W	WM	1	NE NE
7S	3W	WM	1	NW NE
7S	3W	WM	1	SW NE
7S	3W	WM	1	SE NE
7S	3W	WM	1	NE NW
7S	3W	WM	1	NW NW
7S	3W	WM	1	SW NW
7S	3W	WM	1	SE NW
7S	3W	WM	1	NE SW
7S	3W	WM	1	NW SW
7S	3W	WM	1	SW SW
7S	3W	WM	1	SE SW
7S	3W	WM	1	NE SE
7S	3W	WM	1	NW SE
7S	3W	WM	1	SW SE
7S	3W	WM	1	SE SE
7S	3W	WM	2	NE NE
7S	3W	WM	2	NW NE
7S	3W	WM	2	SW NE
7S	3W	WM	2	SE NE
7S	3W	WM	2	NE NW
7S	3W	WM	2	NW NW
7S	3W	WM	2	SW NW
7S	3W	WM	2	SE NW
7S	3W	WM	2	NE SW
7S	3W	WM	2	NW SW

RECEIVED  
DEC 17 2019

Twp	Rng	Mer	Sec	Q-Q
7S	3W	WM	2	SW SW
7S	3W	WM	2	SE SW
7S	3W	WM	2	NE SE
7S	3W	WM	2	NW SE
7S	3W	WM	2	SW SE
7S	3W	WM	2	SE SE
7S	3W	WM	3	NE NE
7S	3W	WM	3	NW NE
7S	3W	WM	3	SW NE
7S	3W	WM	3	SE NE
7S	3W	WM	3	NE NW
7S	3W	WM	3	NW NW
7S	3W	WM	3	SW NW
7S	3W	WM	3	SE NW
7S	3W	WM	3	NE NE
7S	3W	WM	4	SE NE
7S	3W	WM	4	SW SW
7S	3W	WM	4	NE SE
7S	3W	WM	4	SW SE
7S	3W	WM	5	SW SE
7S	3W	WM	5	SE SE
7S	3W	WM	7	SW SW
7S	3W	WM	8	NE NE
7S	3W	WM	8	NW NE
7S	3W	WM	8	SW NE
7S	3W	WM	8	SE NE
7S	3W	WM	8	NE NW
7S	3W	WM	8	NW NW
7S	3W	WM	8	SW NW
7S	3W	WM	8	SE NW
7S	3W	WM	8	NE SW
7S	3W	WM	8	NW SW
7S	3W	WM	8	SE SW
7S	3W	WM	8	NE SE
7S	3W	WM	8	NW SE
7S	3W	WM	8	SW SE
7S	3W	WM	8	SE SE
7S	3W	WM	9	NW NW
7S	3W	WM	9	SW NW
7S	3W	WM	9	NE SW
7S	3W	WM	9	NW SW
7S	3W	WM	9	SW SW
7S	3W	WM	9	SE SW
7S	3W	WM	9	NW SE
7S	3W	WM	9	SW SE
7S	3W	WM	10	NE NE
7S	3W	WM	10	NW NE
7S	3W	WM	10	SW NE



Twp	Rng	Mer	Sec	Q-Q
7 S	3 W	WM	10	SE NE
7 S	3 W	WM	10	NE SE
7 S	3 W	WM	10	NW SE
7 S	3 W	WM	10	SW SE
7 S	3 W	WM	10	SE SE
7 S	3 W	WM	11	NE NE
7 S	3 W	WM	11	NW NE
7 S	3 W	WM	11	SW NE
7 S	3 W	WM	11	SE NE
7 S	3 W	WM	11	NE NW
7 S	3 W	WM	11	NW NW
7 S	3 W	WM	11	SW NW
7 S	3 W	WM	11	SE NW
7 S	3 W	WM	11	NE SW
7 S	3 W	WM	11	NW SW
7 S	3 W	WM	11	SW SW
7 S	3 W	WM	11	SE SW
7 S	3 W	WM	11	NE SE
7 S	3 W	WM	11	NW SE
7 S	3 W	WM	11	SW SE
7 S	3 W	WM	11	SE SE
7 S	3 W	WM	12	NE NE
7 S	3 W	WM	12	NW NE
7 S	3 W	WM	12	SW NE
7 S	3 W	WM	12	SE NE
7 S	3 W	WM	12	NE NW
7 S	3 W	WM	12	NW NW
7 S	3 W	WM	12	SW NW
7 S	3 W	WM	12	SE NW
7 S	3 W	WM	12	NE SW
7 S	3 W	WM	12	NW SW
7 S	3 W	WM	12	SW SW
7 S	3 W	WM	12	SE SW
7 S	3 W	WM	12	NE SE
7 S	3 W	WM	12	NW SE
7 S	3 W	WM	12	SW SE
7 S	3 W	WM	12	SE SE
7 S	3 W	WM	13	NE NE
7 S	3 W	WM	13	NW NE
7 S	3 W	WM	13	SW NE
7 S	3 W	WM	13	SE NE
7 S	3 W	WM	13	NE NW
7 S	3 W	WM	13	NW NW
7 S	3 W	WM	13	SW NW
7 S	3 W	WM	13	SE NW
7 S	3 W	WM	13	NE SW
7 S	3 W	WM	13	NW SW
7 S	3 W	WM	13	SW SW
7 S	3 W	WM	13	SE SW
7 S	3 W	WM	13	NE SE
7 S	3 W	WM	13	NW SE
7 S	3 W	WM	13	SW SE
7 S	3 W	WM	13	SE SE

RECEIVED

DEC 17 2019

OWRD

Twp	Rng	Mer	Sec	Q-Q
7 S	3 W	WM	14	NE NE
7 S	3 W	WM	14	NW NE
7 S	3 W	WM	14	SW NE
7 S	3 W	WM	14	SE NE
7 S	3 W	WM	14	NE NW
7 S	3 W	WM	14	NW NW
7 S	3 W	WM	14	SW NW
7 S	3 W	WM	14	SE NW
7 S	3 W	WM	14	NE SW
7 S	3 W	WM	14	NW SW
7 S	3 W	WM	14	SW SW
7 S	3 W	WM	14	SE SW
7 S	3 W	WM	14	NE SE
7 S	3 W	WM	14	NW SE
7 S	3 W	WM	14	SW SE
7 S	3 W	WM	14	SE SE
7 S	3 W	WM	15	NE NE
7 S	3 W	WM	15	NW NE
7 S	3 W	WM	15	SW NE
7 S	3 W	WM	15	SE NE
7 S	3 W	WM	15	SW NW
7 S	3 W	WM	15	NE SW
7 S	3 W	WM	15	NW SW
7 S	3 W	WM	15	SW SW
7 S	3 W	WM	15	SE SW
7 S	3 W	WM	15	NE SE
7 S	3 W	WM	15	NW SE
7 S	3 W	WM	15	SW SE
7 S	3 W	WM	15	SE SE
7 S	3 W	WM	16	NW NE
7 S	3 W	WM	16	SW NE
7 S	3 W	WM	16	SE NE
7 S	3 W	WM	16	NE NW
7 S	3 W	WM	16	NW NW
7 S	3 W	WM	16	SW NW
7 S	3 W	WM	16	SE NW
7 S	3 W	WM	16	NE SW
7 S	3 W	WM	16	NW SW
7 S	3 W	WM	16	SW SW
7 S	3 W	WM	16	SE SW
7 S	3 W	WM	16	NE SE
7 S	3 W	WM	16	NW SE
7 S	3 W	WM	16	SW SE
7 S	3 W	WM	16	SE SE
7 S	3 W	WM	17	NE NE
7 S	3 W	WM	17	NW NE
7 S	3 W	WM	17	SW NE
7 S	3 W	WM	17	SE NE
7 S	3 W	WM	17	NE NW
7 S	3 W	WM	17	NW NW
7 S	3 W	WM	17	SW NW
7 S	3 W	WM	17	SE NW
7 S	3 W	WM	17	NE SW



Twp	Range	Mer	Sec	Q-Q
7S	3 W	WM	17	NW SW
7S	3 W	WM	17	SW SW
7S	3 W	WM	17	SE SW
7S	3 W	WM	17	NE SE
7S	3 W	WM	17	NW SE
7S	3 W	WM	17	SW SE
7S	3 W	WM	17	SE SE
7S	3 W	WM	18	NW NE
7S	3 W	WM	18	SW NE
7S	3 W	WM	18	SE NE
7S	3 W	WM	18	NE NW
7S	3 W	WM	18	NW NW
7S	3 W	WM	18	SW NW
7S	3 W	WM	18	SE NW
7S	3 W	WM	18	NE SW
7S	3 W	WM	18	NW SW
7S	3 W	WM	18	SW SW
7S	3 W	WM	18	SE SW
7S	3 W	WM	18	NE SE
7S	3 W	WM	18	NW SE
7S	3 W	WM	18	SW SE
7S	3 W	WM	18	SE SE
7S	3 W	WM	19	NE NE
7S	3 W	WM	19	NW NE
7S	3 W	WM	19	SW NE
7S	3 W	WM	19	SE NE
7S	3 W	WM	19	NE NW
7S	3 W	WM	19	NW NW
7S	3 W	WM	19	SW NW
7S	3 W	WM	19	SE NW
7S	3 W	WM	19	NE SW
7S	3 W	WM	19	NW SW
7S	3 W	WM	19	SW SW
7S	3 W	WM	19	SE SW
7S	3 W	WM	20	NE NW
7S	3 W	WM	20	NW NW
7S	3 W	WM	20	SW NW
7S	3 W	WM	20	SE NW
7S	3 W	WM	20	NE SW
7S	3 W	WM	20	NW SW
7S	3 W	WM	20	SW SW
7S	3 W	WM	20	SE SW
7S	3 W	WM	20	NE SE
7S	3 W	WM	20	NW SE
7S	3 W	WM	20	SW SE
7S	3 W	WM	20	SE SE
7S	3 W	WM	21	NE NE
7S	3 W	WM	21	NW NE

RECEIVED  
 DEC 17 2019  
 OWRD

Twp	Range	Mer	Sec	Q-Q
7S	3 W	WM	21	SW NE
7S	3 W	WM	21	SE NE
7S	3 W	WM	21	NE NW
7S	3 W	WM	21	NW NW
7S	3 W	WM	21	SW NW
7S	3 W	WM	21	SE NW
7S	3 W	WM	21	NE SW
7S	3 W	WM	21	NW SW
7S	3 W	WM	21	SW SW
7S	3 W	WM	21	SE SW
7S	3 W	WM	21	NE SE
7S	3 W	WM	21	NW SE
7S	3 W	WM	21	SW SE
7S	3 W	WM	21	SE SE
7S	3 W	WM	22	NE NE
7S	3 W	WM	22	NW NE
7S	3 W	WM	22	SW NE
7S	3 W	WM	22	SE NE
7S	3 W	WM	22	NE NW
7S	3 W	WM	22	NW NW
7S	3 W	WM	22	SW NW
7S	3 W	WM	22	SE NW
7S	3 W	WM	22	NE SW
7S	3 W	WM	22	NW SW
7S	3 W	WM	22	SW SW
7S	3 W	WM	22	SE SW
7S	3 W	WM	22	NE SE
7S	3 W	WM	22	NW SE
7S	3 W	WM	22	SW SE
7S	3 W	WM	22	SE SE
7S	3 W	WM	23	NE NE
7S	3 W	WM	23	NW NE
7S	3 W	WM	23	SW NE
7S	3 W	WM	23	SE NE
7S	3 W	WM	23	NE NW
7S	3 W	WM	23	NW NW
7S	3 W	WM	23	SW NW
7S	3 W	WM	23	SE NW
7S	3 W	WM	23	NE SW
7S	3 W	WM	23	NW SW
7S	3 W	WM	23	SW SW
7S	3 W	WM	23	SE SW
7S	3 W	WM	23	NE SE
7S	3 W	WM	23	NW SE
7S	3 W	WM	23	SW SE
7S	3 W	WM	23	SE SE
7S	3 W	WM	24	NE NE
7S	3 W	WM	24	NW NE
7S	3 W	WM	24	SW NE
7S	3 W	WM	24	SE NE
7S	3 W	WM	24	NE NW
7S	3 W	WM	24	NW NW
7S	3 W	WM	24	SW NW





Twtp	Rng	Mer	Sec	Q-Q
7S	3 W	WM	33	NE NW
7S	3 W	WM	33	NW NW
7S	3 W	WM	33	SW NW
7S	3 W	WM	33	SE NW
7S	3 W	WM	33	NE SW
7S	3 W	WM	33	NW SW
7S	3 W	WM	33	SW SW
7S	3 W	WM	33	SE SE
7S	3 W	WM	33	NW SE
7S	3 W	WM	33	SW SE
7S	3 W	WM	33	SE SE
7S	3 W	WM	34	NE NE
7S	3 W	WM	34	NW NE
7S	3 W	WM	34	SW NE
7S	3 W	WM	34	SE NE
7S	3 W	WM	34	NE NW
7S	3 W	WM	34	NW NW
7S	3 W	WM	34	SW NW
7S	3 W	WM	34	SE NW
7S	3 W	WM	34	NE SW
7S	3 W	WM	34	NW SW
7S	3 W	WM	34	SW SW
7S	3 W	WM	34	SE SW
7S	3 W	WM	34	NE SE
7S	3 W	WM	34	NW SE
7S	3 W	WM	34	SW SE
7S	3 W	WM	34	SE SE
7S	3 W	WM	35	NE NE
7S	3 W	WM	35	NW NE
7S	3 W	WM	35	SW NE
7S	3 W	WM	35	SE NE
7S	3 W	WM	35	NE NW
7S	3 W	WM	35	NW NW
7S	3 W	WM	35	SW NW
7S	3 W	WM	35	SE NW
7S	3 W	WM	35	NE SW
7S	3 W	WM	35	NW SW
7S	3 W	WM	35	SW SW
7S	3 W	WM	35	SE SW
7S	3 W	WM	35	NE SE
7S	3 W	WM	35	NW SE
7S	3 W	WM	35	SW SE
7S	3 W	WM	35	SE SE
7S	3 W	WM	36	NE NE
7S	3 W	WM	36	NW NE
7S	3 W	WM	36	SW NE
7S	3 W	WM	36	SE NE
7S	3 W	WM	36	NE NW
7S	3 W	WM	36	NW NW
7S	3 W	WM	36	SW NW
7S	3 W	WM	36	SE NW
7S	3 W	WM	36	NE SW
7S	3 W	WM	36	NW SW
7S	3 W	WM	36	SW SW
7S	3 W	WM	36	SE SW
7S	3 W	WM	36	NE NE

Twtp	Rng	Mer	Sec	Q-Q
7S	3 W	WM	36	NW SW
7S	3 W	WM	36	SW SW
7S	3 W	WM	36	SE SW
7S	3 W	WM	36	NE SE
7S	3 W	WM	36	NW SE
7S	3 W	WM	36	SW SE
7S	3 W	WM	36	SE SE
7S	4 W	WM	11	SW SE
7S	4 W	WM	12	SW SW
7S	4 W	WM	12	SE SW
7S	4 W	WM	12	SW SE
7S	4 W	WM	12	SE SE
7S	4 W	WM	13	NE NE
7S	4 W	WM	13	NW NE
7S	4 W	WM	13	SW NE
7S	4 W	WM	13	SE NE
7S	4 W	WM	13	NE NW
7S	4 W	WM	13	NW NW
7S	4 W	WM	13	SW NW
7S	4 W	WM	13	SE NW
7S	4 W	WM	13	NE SW
7S	4 W	WM	13	NW SW
7S	4 W	WM	13	SW SW
7S	4 W	WM	13	SE SW
7S	4 W	WM	13	NE SE
7S	4 W	WM	13	NE SE
7S	4 W	WM	13	NW SE
7S	4 W	WM	13	SW SE
7S	4 W	WM	13	SE SE
7S	4 W	WM	14	NE NE
7S	4 W	WM	14	NW NE
7S	4 W	WM	14	SW NE
7S	4 W	WM	14	SE NE
7S	4 W	WM	14	NE SE
7S	4 W	WM	14	NW SE
7S	4 W	WM	14	SW SE
7S	4 W	WM	14	SE SE
7S	4 W	WM	24	NE NE
7S	4 W	WM	24	NW NE
7S	4 W	WM	24	SW NE
7S	4 W	WM	24	SE NE
7S	4 W	WM	24	NE NW
7S	4 W	WM	24	NW NW
7S	4 W	WM	24	SW NW
7S	4 W	WM	24	SE NW
8S	2 W	WM	4	NW NW
8S	2 W	WM	4	SW NW
8S	2 W	WM	4	SE NW
8S	2 W	WM	4	NE SW
8S	2 W	WM	4	NW SW
8S	2 W	WM	4	SW SW
8S	2 W	WM	4	SE SW
8S	2 W	WM	5	NE NE
8S	2 W	WM	5	NW NE

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DEC 17 2019  
OWRD





Twp	Rng	Mer	Sec	Q-Q
8 S	2 W	W/M	21	NW SW
8 S	2 W	W/M	21	SW SW
8 S	2 W	W/M	21	SE SW
8 S	2 W	W/M	28	SW NW
8 S	2 W	W/M	28	SE NW
8 S	2 W	W/M	28	NE SW
8 S	2 W	W/M	28	NW SW
8 S	2 W	W/M	28	SW SW
8 S	2 W	W/M	28	SE SW
8 S	2 W	W/M	29	NE NE
8 S	2 W	W/M	29	NW NE
8 S	2 W	W/M	29	SW NE
8 S	2 W	W/M	29	SE SE
8 S	2 W	W/M	29	SE NE
8 S	2 W	W/M	32	NE NE
8 S	2 W	W/M	32	NW NE
8 S	2 W	W/M	33	NE NW
8 S	2 W	W/M	33	NW NW
8 S	3 W	W/M	1	NE NE
8 S	3 W	W/M	1	NW NE
8 S	3 W	W/M	1	SW NE
8 S	3 W	W/M	1	SE NE
8 S	3 W	W/M	1	NE NW
8 S	3 W	W/M	1	NW NW
8 S	3 W	W/M	1	SW NW
8 S	3 W	W/M	1	SE NW
8 S	3 W	W/M	1	NE SW
8 S	3 W	W/M	1	NW SW
8 S	3 W	W/M	1	SW SW
8 S	3 W	W/M	1	SE SW
8 S	3 W	W/M	1	NE SE
8 S	3 W	W/M	1	NW SE
8 S	3 W	W/M	1	SW SE
8 S	3 W	W/M	1	SE SE
8 S	3 W	W/M	2	NE NE
8 S	3 W	W/M	2	NW NE
8 S	3 W	W/M	2	SW NE
8 S	3 W	W/M	2	SE NE
8 S	3 W	W/M	2	NE NW
8 S	3 W	W/M	2	NW NW
8 S	3 W	W/M	2	SW NW
8 S	3 W	W/M	2	SE NW
8 S	3 W	W/M	2	NE SW
8 S	3 W	W/M	2	NW SW
8 S	3 W	W/M	2	SW SW
8 S	3 W	W/M	2	SE SW
8 S	3 W	W/M	2	NE SE

Twp	Rng	Mer	Sec	Q-Q
8 S	3 W	W/M	2	NW SE
8 S	3 W	W/M	2	SW SE
8 S	3 W	W/M	2	SE SE
8 S	3 W	W/M	3	NE NE
8 S	3 W	W/M	3	NW NE
8 S	3 W	W/M	3	SW NE
8 S	3 W	W/M	3	SE NE
8 S	3 W	W/M	3	NE NW
8 S	3 W	W/M	3	NW NW
8 S	3 W	W/M	3	SW NW
8 S	3 W	W/M	3	SE NW
8 S	3 W	W/M	3	NE SW
8 S	3 W	W/M	3	NW SW
8 S	3 W	W/M	3	SW SW
8 S	3 W	W/M	3	SE SW
8 S	3 W	W/M	3	NE SE
8 S	3 W	W/M	3	NW SE
8 S	3 W	W/M	3	SW SE
8 S	3 W	W/M	3	SE SE
8 S	3 W	W/M	4	NE NE
8 S	3 W	W/M	4	NW NE
8 S	3 W	W/M	4	SW NE
8 S	3 W	W/M	4	SE NE
8 S	3 W	W/M	4	NE NW
8 S	3 W	W/M	4	NW NW
8 S	3 W	W/M	4	SW NW
8 S	3 W	W/M	4	SE NW
8 S	3 W	W/M	4	NE SW
8 S	3 W	W/M	4	NW SW
8 S	3 W	W/M	4	SW SW
8 S	3 W	W/M	4	SE SW
8 S	3 W	W/M	4	NE SE
8 S	3 W	W/M	4	NW SE
8 S	3 W	W/M	4	SW SE
8 S	3 W	W/M	4	SE SE
8 S	3 W	W/M	5	NE NE
8 S	3 W	W/M	5	NW NE
8 S	3 W	W/M	5	SW NE
8 S	3 W	W/M	5	SE NE
8 S	3 W	W/M	5	NE NW
8 S	3 W	W/M	5	NW NW
8 S	3 W	W/M	5	SW NW
8 S	3 W	W/M	5	SE NW
8 S	3 W	W/M	5	NE SW
8 S	3 W	W/M	5	NW SW
8 S	3 W	W/M	5	SW SW
8 S	3 W	W/M	5	SE SW
8 S	3 W	W/M	5	NE SE
8 S	3 W	W/M	5	NW SE
8 S	3 W	W/M	5	SW SE
8 S	3 W	W/M	5	SE SE
8 S	3 W	W/M	6	SW NE
8 S	3 W	W/M	6	SE NE

RECEIVED  
DEC 17 2019  
OWBP





Twtp	Rng	Mer	Sec	Q-Q
8 S	3 W	WM	14	NW SW
8 S	3 W	WM	14	SW SW
8 S	3 W	WM	14	SE SW
8 S	3 W	WM	14	NE SE
8 S	3 W	WM	14	NW SE
8 S	3 W	WM	14	SW SE
8 S	3 W	WM	14	SE SE
8 S	3 W	WM	15	NE NE
8 S	3 W	WM	15	NW NE
8 S	3 W	WM	15	SW NE
8 S	3 W	WM	15	SE NE
8 S	3 W	WM	15	NE NW
8 S	3 W	WM	15	NW NW
8 S	3 W	WM	15	SW NW
8 S	3 W	WM	15	SE NW
8 S	3 W	WM	15	NE SW
8 S	3 W	WM	15	NW SW
8 S	3 W	WM	15	SW SW
8 S	3 W	WM	15	SE SW
8 S	3 W	WM	15	NE SE
8 S	3 W	WM	15	SW SE
8 S	3 W	WM	15	SE SE
8 S	3 W	WM	15	NE NE
8 S	3 W	WM	16	NW NE
8 S	3 W	WM	16	SW NE
8 S	3 W	WM	16	SE NE
8 S	3 W	WM	16	NE NW
8 S	3 W	WM	16	NW NW
8 S	3 W	WM	16	SW NW
8 S	3 W	WM	16	SE NW
8 S	3 W	WM	16	NE SW
8 S	3 W	WM	16	NW SW
8 S	3 W	WM	16	SW SW
8 S	3 W	WM	16	SE SW
8 S	3 W	WM	16	NE SE
8 S	3 W	WM	16	NW SE
8 S	3 W	WM	16	SW SE
8 S	3 W	WM	16	SE SE
8 S	3 W	WM	16	NE NE
8 S	3 W	WM	17	NW NE
8 S	3 W	WM	17	SW NE
8 S	3 W	WM	17	SE NE
8 S	3 W	WM	17	NE NW
8 S	3 W	WM	17	NE SW
8 S	3 W	WM	17	NE SE
8 S	3 W	WM	17	NW SE
8 S	3 W	WM	17	SW SE
8 S	3 W	WM	17	SE SE
8 S	3 W	WM	17	NE NE
8 S	3 W	WM	21	NW NE
8 S	3 W	WM	21	NE NW
8 S	3 W	WM	22	NE NE

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Twtp	Rng	Mer	Sec	Q-Q
8 S	3 W	WM	22	NW NE
8 S	3 W	WM	22	SW NE
8 S	3 W	WM	22	SE NE
8 S	3 W	WM	22	NE NW
8 S	3 W	WM	22	NW NW
8 S	3 W	WM	22	SW NW
8 S	3 W	WM	22	SE NW
8 S	3 W	WM	22	NE SW
8 S	3 W	WM	22	NW SW
8 S	3 W	WM	22	SE SE
8 S	3 W	WM	23	NE NE
8 S	3 W	WM	23	NW NE
8 S	3 W	WM	23	SW NE
8 S	3 W	WM	23	SE NE
8 S	3 W	WM	23	NW SW
8 S	3 W	WM	23	SW SW
8 S	3 W	WM	23	SE SW
8 S	3 W	WM	23	NE SE
8 S	3 W	WM	23	SW SE
8 S	3 W	WM	23	SE SE
8 S	3 W	WM	24	NW NW
8 S	3 W	WM	24	SW SW
8 S	3 W	WM	24	NE NW
8 S	3 W	WM	26	NW NW
8 S	4 W	WM	1	SW NE
8 S	4 W	WM	1	SE NE
8 S	4 W	WM	1	NE SE
8 S	4 W	WM	1	NW SE
8 S	4 W	WM	1	SW SE
8 S	4 W	WM	1	SE SE
8 S	4 W	WM	1	NE NE
8 S	4 W	WM	12	NW NE
8 S	4 W	WM	12	SW SW
8 S	4 W	WM	2	SE SW
8 S	4 W	WM	3	NW SW
8 S	4 W	WM	3	SW SW
8 S	4 W	WM	3	NE SE
8 S	4 W	WM	3	NW SE
8 S	4 W	WM	3	SW SE
8 S	4 W	WM	3	SE SE
8 S	4 W	WM	3	NE NE
8 S	4 W	WM	4	NE SE
8 S	4 W	WM	4	NW SE
8 S	4 W	WM	4	SW SE
8 S	4 W	WM	4	SE SE

Twp	Rng	Mer	Sec	Q-Q
9S	1W	WM	9	NE NE
9S	1W	WM	9	NW NE
9S	1W	WM	9	SW NE
9S	1W	WM	9	SE NE
9S	1W	WM	9	NE NW
9S	1W	WM	9	NW NW
9S	1W	WM	9	SW NW
9S	1W	WM	9	SE SW
9S	1W	WM	9	NE SE
9S	1W	WM	9	NW SE
9S	1W	WM	9	SE SE
9S	1W	WM	9	NE NE
9S	1W	WM	10	NW NE
9S	1W	WM	10	SW NE
9S	1W	WM	10	SE NE
9S	1W	WM	10	NE NW
9S	1W	WM	10	NW NW
9S	1W	WM	10	SW NW
9S	1W	WM	10	SE NW
9S	1W	WM	10	NW SW
9S	1W	WM	10	SE SW
9S	1W	WM	10	NE SW
9S	1W	WM	10	NW SE

Twp	Rng	Mer	Sec	Q-Q
9S	1W	WM	10	SW SE
9S	1W	WM	10	SE SE
9S	1W	WM	11	SW NE
9S	1W	WM	11	SE NE
9S	1W	WM	11	NE NW
9S	1W	WM	11	NW NW
9S	1W	WM	11	SW NW
9S	1W	WM	11	SE SW
9S	1W	WM	11	NE SE
9S	1W	WM	11	NW SE
9S	1W	WM	11	SW SE
9S	1W	WM	12	SW NW
9S	1W	WM	14	NE NW
9S	1W	WM	14	NW NW
9S	1W	WM	15	NE NE
9S	1W	WM	15	NW NE
9S	1W	WM	15	NE NW
9S	1W	WM	15	NW NW
9S	1W	WM	15	SW NW
9S	1W	WM	16	NE NE
9S	1W	WM	16	SW NE
9S	1W	WM	16	SE NE
9S	1W	WM	16	SE NW
9S	1W	WM	16	NE SW
9S	1W	WM	16	NW SE

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**Conditions to Maintain the Persistence of Listed Fish (applicable to 29.6 cfs of this certificate)**

The undeveloped portion of the permit not having PSI with the North Santiam River, being 0.4 cfs, is *not* subject to these fish persistence conditions.

A. Fish Persistence Target Flows

- a. Fish persistence needs in the North Santiam River as recommended by ODFW are in Table 1, below; flows are to be measured in the North Santiam River near Mehama, Oregon (USGS Gage Number 14183000, or its equivalent).

Table 1

FISH PERSISTENCE TARGET FLOWS ON NORTH SANTIAM RIVER NEAR MEHAMA, OREGON (USGS GAGE NO. 14183000)	
Month	Cubic Feet per Second
October – December	1500
January – February	1200
March 1 – March 15	1200
March 16 – March 31	1500
April – May	1500
June	1200
July 1 – July 15	1200
July 16 – July 31	1000
August	1000
September	1500

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- b. Alternate Streamflow Measurement Point(s)

The location of a streamflow measurement point as established in these Conditions to Maintain the Persistence of Listed Fish may be revised if the City provides evidence in writing that ODFW has determined that persistence flows may be measured at an alternate streamflow measurement point and the City provides an adequate description of the location of the alternate streamflow measurement point, and the Water Resources Director concurs in writing.

B. Determining Water Use Reductions - Generally

The undeveloped portion of Permit G-734 having PSI with the North Santiam River is 29.6 cfs. The maximum amount of the undeveloped portion of Permit G-734 having PSI with the North Santiam River that can be appropriated as a result of this fish persistence condition is determined in proportion to the amount by which the flows shown in Table 1 are missed based on a seven day rolling average of mean daily flows measured in the North Santiam River near Mehama (USGS Gage Number 14183000, or its equivalent). The percent of missed target flows is defined as:

$$(1 - [(QA - E_{PSI}) / QT]) \times 100\%$$

where QA is the actual flow measured at the designated gage based on the seven day rolling average<sup>1</sup>, E<sub>PSI</sub> is the undeveloped portion of the permit having PSI with the North Santiam River as of this extension, and QT is the target flow (from Table 1).

<sup>1</sup> Alternatively, the City may use a single daily measurement.

The percent by which the target flow is missed applied to the undeveloped portion of this permit having PSI with the North Santiam River provides the maximum amount of water that could be appropriated under this permit as a result of this fish persistence condition, and is defined as:

$$E_{PSI} - (E_{PSI} \times \% \text{ missed target flows}),$$

where  $E_{PSI}$  is undeveloped portion of the permit as of this extension having PSI with the North Santiam River, being 29.6 cfs.

C. Examples

Example 1: Target flow met.

On August 15, the last seven mean daily flows were 1010, 1100, 1010, 1025, 1029, 1032 and 1035 cfs. The seven day rolling average (QA) is 1034.4 cfs. Given that the undeveloped portion of this permit having PSI with the North Santiam River ( $E_{PSI}$ ) is 29.6 cfs, then the 7 day average of mean daily flows minus the undeveloped portion is greater than the 1000.0 cfs target flow (QT) for August 15. In this example,  $QA - E_{PSI} \geq QT$ .

$$1034.4 - 29.6 \geq 1000.0$$

The amount of the undeveloped portion of the permit having PSI with the North Santiam River that can be appropriated would not be reduced because the target flow is considered met.

Example 2: Target flows missed.

Step 1: Given that the undeveloped portion of this permit having PSI with the North Santiam River ( $E_{PSI}$ ) is 29.6 cfs, if on August 15, the average of the last seven mean daily flows (QA) was 900 cfs, and the target flow (QT) is 1000, then the target flow would be missed by 13.0%.

$$(1 - [(900 - 29.6) / 1000]) \times 100\% = 13.0\%$$

Step 2: Given that the undeveloped portion of this permit having PSI with the North Santiam River ( $E_{PSI}$ ) is 29.6 cfs, which needs to be reduced by 13.0 % (from Step 1), or 3.8 cfs, then the maximum amount of the undeveloped portion of Permit G-734 having PSI with the North Santiam River that can be appropriated as a result of this fish persistence condition is 25.8 cfs. (This maximum amount may be limited as illustrated in Step 3, below.)

$$(29.6 \times 13.0\%) / 100 = 3.8$$

$$29.6 - 3.8 = 25.8$$

Step 3: The calculated maximum amount of water that could be appropriated due to the fish persistence condition may not exceed the amount of water to which the City is legally entitled to divert. In this example, if the amount of water legally authorized for diversion under this permit is 20.0 cfs (for example, authorization provided through a WMCP), then 20.0 cfs would be the maximum amount of diversion allowed under this permit, rather than 25.8 cfs from Step 2.

(Conversely, if the amount of water legally authorized for diversion under this permit is 28.0 cfs, then 26.2 cfs (25.8 from Step 2 + the 0.4 cfs not having PSI) would be the maximum amount of diversion allowed under this permit.)

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D. Relocation of the Point(s) of Appropriation(s) and New Quantification of PSI.

Any relocation of the point(s) of appropriation(s) through a permit amendment or transfer process will require a new OWRD ground water review pursuant to OAR Chapter 690 Division 9 to determine if use of water at the relocated point(s) of appropriation(s) has the potential for substantial interference (PSI) with surface water. This review will be used to quantify a new value for  $E_{PSI}$ , being the undeveloped portion of the permit as of this extension having PSI with the surface water based on the new locations of the point(s) of appropriation(s). The new value for  $E_{PSI}$  will be then utilized in the calculations for determining the maximum amount of water that could be appropriated under this permit as a result of this fish persistence condition.

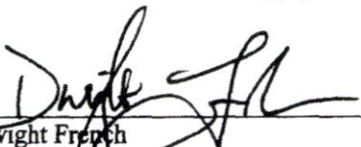
The well shall be cased as necessary in accordance with good practice and if the flow is artesian the works shall include proper capping and control valve to prevent the waste of ground water.

The works constructed shall include an air line and pressure gauge or access port for measuring line, adequate to determine the water level elevation in the well at all times.

The water user shall maintain a weir, meter, or other suitable measuring device, and shall keep a complete record of the amount of ground water withdrawn.

The right to the use of the water for the above purpose is restricted to beneficial use on the lands or place of use described; however, water may be applied to lands which are not specifically described above, provided the holder of this right complies with ORS 540.510(3).

Issued JUN 23 2016

  
Dwight French  
Water Right Services Division Administrator, for  
Thomas M. Eyster, Director  
Oregon Water Resources Department

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**Attachment B**

**Application Maps**

Application for a Permanent Water Right Transfer – City of Salem

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**13313 -**



**Zach Pike-Urlacher**

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**From:** STARNES Patrick K \* WRD <Patrick.K.Starnes@oregon.gov>  
**Sent:** Tuesday, August 20, 2019 8:28 AM  
**To:** Zach Pike-Urlacher  
**Subject:** RE: Request for map scale waiver for the City of Salem

Hi Zach

The Department grants a map scale waiver for your attached transfer and GR modification application maps.

Please attach a copy of this e-mail to the map when you send in the application.

Kelly

\*\*\*\*\*

Kelly Starnes, Transfer Program Analyst  
Oregon Water Resources Department  
725 Summer St NE Suite A  
Salem OR 97301-1271  
Telephone: 503-986-0886 Fax: 503-986-0903  
E-mail: [patrick.k.starnes@oregon.gov](mailto:patrick.k.starnes@oregon.gov)

Please Note: Under Oregon Law, messages to and from this e-mail address may be available to the public.

\*\*\*\*\*

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**From:** Zach Pike-Urlacher <[zpikeurlacher@gsiws.com](mailto:zpikeurlacher@gsiws.com)>  
**Sent:** Monday, August 19, 2019 3:35 PM  
**To:** STARNES Patrick K \* WRD <Patrick.K.Starnes@oregon.gov>  
**Cc:** Trevor Grandy <[tgrandy@gsiws.com](mailto:tgrandy@gsiws.com)>  
**Subject:** Request for map scale waiver for the City of Salem

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Dear Kelly Starnes,

The City of Salem is preparing one water rights transfer and four ground water modifications to add two proposed points of appropriation to Certificate 91526, GR-3502, GR-3507, GR-3509, and GR-3510.

Because of the size of the City of Salem's service area, we are requesting a map scale waiver for the place of use map for each application (See attachments). The authorized/proposed point of appropriation maps are at a standard scale (1 inch=1,320 feet), and are also attached to this email.

Please let us know if you have any questions regarding our map scale waiver request.

Thank you,

**Zach Pike-Urlacher**  
**Water Resources Analyst**  
direct: 541.754.7095 | mobile: 360.739.2303

13313 -

1 2 3 4 5 6 7 8 9 10 11 12



A Claim of Beneficial Use Map, originally included in Application G-834, is being used to show the place of use for this application

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**Attachment C**  
**Evidence of Use Affidavit**  
Application for a Permanent Water Right Transfer – City of Salem

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# Application for Water Right Transfer

## Evidence of Use Affidavit



Oregon Water Resources Department  
 725 Summer Street NE, Suite A  
 Salem, Oregon 97301-1266  
 (503) 986-0900  
 www.wrd.state.or.us

Please print legibly or type. Be as specific as possible. Attach additional pages if you need more spacing. Supporting documentation must be attached.

State of Oregon )  
 ) ss  
 County of MARION)

I, JASON PULLEY, in my capacity as UTILITIES PLANNING COORDINATOR,  
 mailing address 555 LIBERTY STREET SE, ROOM 325, SALEM, OR 97301  
 telephone number (503)588-6398, being first duly sworn depose and say:

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1. My knowledge of the exercise or status of the water right is based on (check one):
- Personal observation                       Professional expertise

2. I attest that:

Water was used during the previous five years on the **entire** place of use for Certificate # \_\_\_\_; **OR**

My knowledge is specific to the use of water at the following locations within the last five years:

Certificate #	Township	Range	Mer	Sec	¼ ¼	Gov't Lot or DLC	Acres (if applicable)

**OR**

- Confirming Certificate # \_\_\_\_ has been issued within the past five years; **OR**
- Part or all of the water right was leased instream at some time within the last five years. The instream lease number is: \_\_\_\_ (Note: If the entire right proposed for transfer was not leased, additional evidence of use is needed for the portion not leased instream.); **OR**
- The water right is not subject to forfeiture and documentation that a presumption of forfeiture for non-use would be rebutted under ORS 540.610(2) is attached.
- Water has been used at the actual current point of diversion or appropriation for more than 10 years for Certificate # \_\_\_\_ (For Historic POD/POA Transfers)

(continues on reverse side)

3. The water right was used for: (e.g., crops, pasture, etc.): MUNICIPAL USE

4. I understand that if I do not attach one or more of the documents shown in the table below to support the above statements, my application will be considered incomplete.


\_\_\_\_\_  
Signature of Affiant

\_\_\_\_\_  
Date

Signed and sworn to (or affirmed) before me this \_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_.

\_\_\_\_\_  
Notary Public for Oregon

My Commission Expires: \_\_\_\_\_

Supporting Documents	Examples
<input type="checkbox"/> Copy of a water right certificate that has been issued within the last five years. (not a remaining right certificate)	Copy of <b>confirming</b> water right certificate that shows issue date
<input type="checkbox"/> Copies of receipts from sales of irrigated crops or for expenditures related to use of water	<ul style="list-style-type: none"> <li>● Power usage records for pumps associated with irrigation use</li> <li>● Fertilizer or seed bills related to irrigated crops</li> <li>● Farmers Co-op sales receipt</li> </ul>
<input type="checkbox"/> Records such as FSA crop reports, irrigation district records, NRCS farm management plan, or records of other water suppliers	<ul style="list-style-type: none"> <li>● District assessment records for water delivered</li> <li>● Crop reports submitted under a federal loan agreement</li> <li>● Beneficial use reports from district</li> <li>● IRS Farm Usage Deduction Report</li> <li>● Agricultural Stabilization Plan</li> <li>● CREP Report</li> </ul>
<input type="checkbox"/> Aerial photos containing sufficient detail to establish location and date of photograph  	<p>Multiple photos can be submitted to resolve different areas of a water right. If the photograph does not print with a “date stamp” or without the source being identified, the date of the photograph and source should be added.</p> <p>Sources for aerial photos: OSU – <a href="http://www.oregonexplorer.info/imagery">www.oregonexplorer.info/imagery</a> OWRD – <a href="http://www.wrd.state.or.us">www.wrd.state.or.us</a> Google Earth – <a href="http://earth.google.com">earth.google.com</a> TerraServer – <a href="http://www.terra-server.com">www.terra-server.com</a></p>
<input type="checkbox"/> Approved Lease establishing beneficial use within the last 5 years	Copy of instream lease or lease number
<input checked="" type="checkbox"/> The water right is not subject to forfeiture and documentation that a presumption of forfeiture for non-use would be rebutted under ORS 540.610(2).	<b>This water right is for use of water by a city or town for reasonable and usual municipal purposes. See Certificate 91526 in Attachment A.</b>





December 16, 2019

Kelly Starnes  
Oregon Water Resources Department  
725 NE Summer Street, Suite A  
Salem, OR 97301

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RE: Application for Permanent Water Right Transfer for Certificate 91526 in the name of City of Salem

Dear Kelly:

GSI Water Solutions, Inc. (GSI) is submitting the enclosed Water Right Transfer Application on behalf of the City of Salem. The City holds Certificate 91526 which allows for the appropriation of 30 CFS for municipal use. The City is seeking to add two proposed collector wells (Collector Wells 2 and 3) as points of appropriation to Certificate 91526.

The required application documents and fee of \$1,570 are enclosed.

Please contact me if you have any questions. My phone number is 541-257-9001.

Sincerely,

A handwritten signature in black ink, appearing to read "Adam Sussman", written in a cursive style.

Adam Sussman  
Principle Water Resources Consultant

Enclosures: Application for Permanent Water Right Transfer – Certificate 91526  
Check in the amount of \$1,570

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Attachment E

LINN 2676 Well Log

Application for a Permanent Water Right Transfer – City of Salem

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STATE ENGINEER  
Salem, Oregon

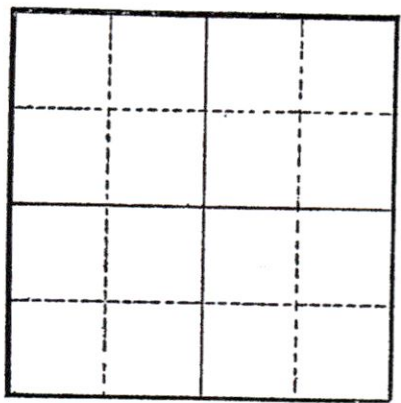
*Winn  
2676*

# Well Record

STATE WELL NO. 9/1W-13C  
COUNTY Iam  
APPLICATION NO. GR-3502 -

OWNER: City Water Department  
MAILING ADDRESS: Box 190  
CITY AND STATE: Salem, Oregon

LOCATION OF WELL: Infiltration Gallery #1  
NE 1/4 NW 1/4 Sec. 13 T. 9 S. R. 1 W. W.M.  
Bearing and distance from section or subdivision corner 1060' S. and 1375' E.



TYPE OF WELL: Date Constructed 1937  
Altitude at well  
Depth drilled  
Depth cased  
Section

FINISH:

AQUIFERS:

WATER LEVEL:

PUMPING EQUIPMENT: Type H.P.  
Capacity G.P.M.

WELL TESTS:  
Drawdown ft. after hours G.P.M.  
Drawdown ft. after hours G.P.M.

USE OF WATER Municipal Water Supply  
SOURCE OF INFORMATION GR-3223  
DRILLER or DIGGER  
ADDITIONAL DATA:

REMARKS:  
Log Water Level Measurements  
Chemical Analysis  
Aquifer Test

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**Attachment F**  
**Collector Well 1 Construction Details**  
Application for a Permanent Water Right Transfer – City of Salem

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