

3775 CRATES WAY
 THE DALLES, OR 97058

PHONE (541) 296-9177
 FAX (541) 296-6657

LETTER OF TRANSMITTAL

TO: Oregon Water Resources Department
 725 Summer Street NE, Suite A
 Salem, Oregon 97301-2430

Date	8/31/2017	Work Order #	12508
Attention	Elizabeth Graham		
RE:			
Application G-18377			
William Martin			

ENCLOSED ARE THE FOLLOWING:

QUANTITY	DESCRIPTION
1	11" x 17" print—AMENDED APPLICATION MAP
2	AMENDED APPLICATION PAGES
	RECEIVED BY OWRD
	SEP 05 2017
	SALEM, OR

THESE ARE TRANSMITTED (as checked below)

☐ For approval ☒ As requested ☐ Filing/Recording
☐ For your use ☐ Approved as noted ☐ For your review & comment

CHARGES

Remarks:	SF Blueline	
	SF Mylar	
	Xerox	
	Tube, Mailer, Etc.	
	P & H	
	TOTAL	

PICKED UP BY:
 DELIVERED BY:
 COPY TO:

BY: Larry M. Toll, CWRE

If enclosures are not as noted, please notify us at once.

SECTION 3: WELL DEVELOPMENT, CONTINUED

Total maximum rate requested: 7.0 cfs being 7.0 from each of the 4 wells limited to a maximum overall pumping rate of 7.0 cfs from all wells (each well will be evaluated at the maximum rate unless you indicate well-specific rates and annual volumes in the table below).

The table below must be completed for each source to be evaluated or the application will be returned. If this is an existing well, the information may be found on the applicable well log. *(If a well log is available, please submit it in addition to completing the table.)* If this is a proposed well, or well-modification, consider consulting with a licensed well driller, geologist, or certified water right examiner to obtain the necessary information.

OWNER'S WELL NAME OR NO.	PROPOSED	EXISTING	WELL ID (WELL TAG) NO.* OR WELL LOG ID**	FLOWING ARTESIAN	CASING DIAMETER	CASING INTERVALS (IN FEET)	PERFORATED OR SCREENED INTERVALS (IN FEET)	SEAL INTERVALS (IN FEET)	MOST RECENT STATIC WATER LEVEL & DATE (IN FEET)	PROPOSED USE			
										SOURCE AQUIFER***	TOTAL WELL DEPTH	WELL- SPECIFIC RATE (GPM)	ANNUAL VOLUME (ACRE- FEET)
Well #1	☒	☐		☐							> 550' to 600'#	3141.6^	2173.6^
Well #2	☒	☐		☐							> 550' to 600'#	3141.6^	2173.6^
Well #3	☒	☐		☐							> 550' to 600'#	3141.6^	2173.6^
Well #4	☒	☐		☐							> 550' to 600'#	3141.6^	2173.6^

#Minimum distance based on Marc Norton memo, Wells will be as deep as needed to find water and not conflict with OWRD conditions

^This is the total amount requested, and if multiple wells end up being drilled, the Total being pumped at any one time would not exceed 7.0 cfs and the total amount pumped under this permit would not exceed 2173.6 Ac ft minus whatever is pumped under the existing primary water rights.

* Licensed drillers are required to attach a Department-supplied Well Tag, with a unique Well ID or Well Tag Number to all new or newly altered wells. Landowners can request a Well ID for existing wells that do not have one. The Well ID is intended to serve as a unique identification number for each well.

** A well log ID (e.g. MARI 1234) is assigned by the Department to each log in the agency's well log database. A separate well log is required for each subsequent alteration of the well.

*** Source aquifer examples: Troutdale Formation, gravel and sand, alluvium, basalt, bedrock, etc.

RECEIVED BY OWRD

SEP 05 2017

Revised 2/1/2012

Ground Water/5

SALEM, OR

WR

SECTION 4: WATER USE

USE	PERIOD OF USE	ANNUAL VOLUME (ACRE-FEET)
Irrigation	March 1 to October 31	253.2
Supplemental Irrigation	March 1 to October 31	2173.6 ^A

Exempt Uses: Please note that 15,000 gallons per day for single or group **domestic** purposes and 5,000 gallons per day for a single **industrial or commercial** purpose are exempt from permitting requirements.

For irrigation use only:

Please indicate the number of primary and supplemental acres to be irrigated (*must match map*).

Primary: 84.4 Acres Supplemental: 640.13 Acres

List the Permit or Certificate number of the underlying primary water right(s): See attached list of water rights

Indicate the maximum total number of acre-feet you expect to use in an irrigation season: 2173.6^A from all water rights

- If the use is **municipal or quasi-municipal**, attach **Form M**
- If the use is **domestic**, indicate the number of households: _____

If the use is **mining**, describe what is being mined and the method(s) of extraction: _____

RECEIVED BY OWRD

SECTION 5: WATER MANAGEMENT

SEP 05 2017

A. Diversion and Conveyance

What equipment will you use to pump water from your well(s)?

SALEM, OR

☒ Pump (give horsepower and type): Since we do not even know if we will find water and how much no system has been designed yet. To pump 7 cfs from 600 would take about 1200 hp made up of submersible or turbine well pumps and centrifugal booster pumps.

☐ Other means (describe): _____

Provide a description of the proposed means of diversion, construction, and operation of the diversion works and conveyance of water. The basic system is in place right now for the irrigation of 640.13 acres from existing water rights. Pipelines to connect wells to this system will all that is needed.

B. Application Method

What equipment and method of application will be used? (e.g., drip, wheel line, high-pressure sprinkler)
Center pivots, wheel lines and some handlines

C. Conservation

Please describe why the amount of water requested is needed and measures you propose to: prevent waste; measure the amount of water diverted; prevent damage to aquatic life and riparian habitat; prevent the discharge of contaminated water to a surface stream; prevent adverse impact to public uses of affected surface waters.
pivots and flow meters

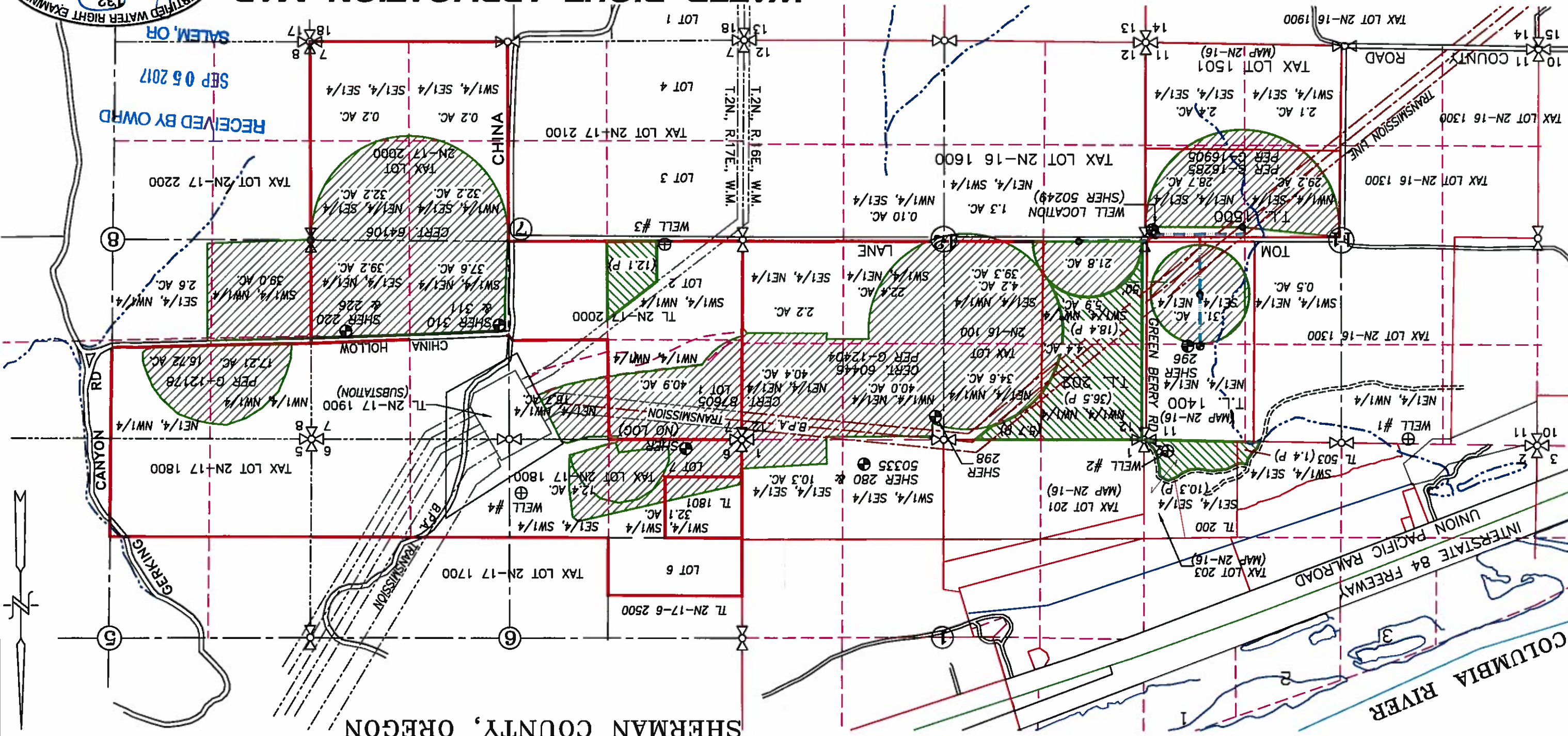
SECTION 6: STORAGE OF GROUND WATER IN A RESERVOIR

If you would like to store ground water in a reservoir, complete this section (*if more than one reservoir, reproduce this section for each reservoir*).

Reservoir name: _____ Acreage inundated by reservoir: _____

g-18377

SECTIONS 1, 2, 11, & 12, TWP. 2 N. RANGE 16 E. AND SECTIONS 6, 7, & 8, TWP. 2 N. RANGE 17 E. W.M. SHERMAN COUNTY, OREGON



LEGEND:

- PRIMARY APPLICATION AREA
- SUPPLEMENTAL APPLICATION AREA
- IRRIGATION MAIN
- STREAM WITH DIRECTIONAL FLOW
- EXISTING WELLS (AS NOTED)
- PROPOSED WELL SITES (AS NUMBERED)

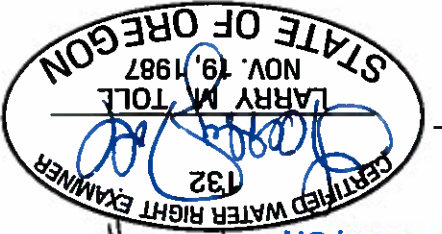
- WELL #1: 65'S. & 1725' E. OF NW COR. SEC. 11, T.2N. R.16E. W.M.
- WELL #2: 145'N. & 315' W. OF SE COR. SEC. 2, T.2N. R.16E. W.M.
- WELL #3: 35'N. & 1040' E. OF THE W1/4 COR. SEC. 7, T.2N. R.17E. W.M.
- WELL #4: 715'N. & 155' W. OF THE S1/4 COR. SEC. 6, T.2N. R.17E. W.M.

APPLICATION No. G-18377
PERMIT No.
IN THE NAME OF: WILLIAM MARTIN
DATE: JULY 14, 2016
AMENDED AUGUST 31, 2017

BY: **TENNESON ENGINEERING CORP.**
3775 CRATES WAY
THE DALLES, OREGON. 97058
PH. 541-296-9177
FAX 541-296-6657
NOTE: "THIS MAP IS NOT INTENDED TO PROVIDE DIMENSIONS OR LOCATIONS OF PROPERTY OWNERSHIP LINES."
EXPIRES: 06/30/2018

WATER RIGHT APPLICATION MAP

SCALE: 1" = 1320'
0' 660' 1320' 2640'



W.O. #12508wr4