

Oregon Water Resources Department

Municipal Reclaimed Water Registration Form

A water use permit may not be required if the water being used is reclaimed water as defined in ORS 537.131 **and** the reclaimed water use is both authorized by the Oregon Department of Environmental Quality (DEQ) **and registered** with Oregon Water Resources Department (WRD)(ORS 537.132). Currently there is no fee for registering.

Complete and send this Registration Form **to the DEQ permit writer** managing the wastewater treatment facility discharge permit. DEQ will review and sign this Registration Form prior to sending it on to WRD in Salem. A response letter will be sent by WRD to all parties within 60 days of receipt.

Instructions are available to guide you. If you need assistance, please call 503-986-0900 and ask for the "Water Reuse Coordinator" or contact the local watermaster in your county. Insert "N/A" if the requested information does not apply to your situation.

1. Name of "Registrant". Who will use the reclaimed water?

Name of Reclaimed Water User: Western Oregon Exposition Fairground

County where reclaimed water use will occur: Lane County

Mail Address: PO Box 793 Cottage Grove OR 97424
Street/P.O. Box City State Zip

Daytime Telephone: (541) 913-6148 E-mail: ken.schwieger@gmail.com

2. Does the reclaimed water user own the land where the use will occur?

YES NO If no, provide the landowner's name and contact information.

Landowner Name: _____

Mail Address: _____
Street/P.O. Box City State Zip

Daytime Telephone: _____ E-mail: _____

3. Are there existing water rights on the same land where the use will occur?

YES (provide information below) NO

Application No. _____ Permit No. _____

Certificate No. See Attachment A Decree vol. & pg. _____

Will the reclaimed water be used **instead of** existing water rights OR used to **supplement** the continued use of the existing water rights? Supplement

4. Has DEQ issued a Municipal Wastewater Treatment Facility Discharge Permit authorizing the use of reclaimed water? (If yes, provide permit number)

YES NPDES Permit No. 101300 or WPCF Permit No. _____

Permit Effective Date: 1/13/2011 Permit Expiration Date: 9/30/2014

DEQ Region: (Check one) Northwest Region Eastern Region Western Region

NO Permit application was submitted to DEQ, but not yet issued.

NO Permit application has not been submitted to DEQ.

5. Who is treating and supplying the reclaimed water to the user?

Name of Supplier: City of Cottage Grove Telephone No. (541) 942-3349

Treatment Facility Name: Cottage Grove STP Telephone No. (541) 942-3152

Mail Address: 1800 N Douglas Ave Cottage Grove OR 97424
Street/P.O. Box City State Zip

6. Which water provider supplies potable municipal water to the city/community that produces the sewage entering the treatment facility?

Municipal Water Provider: City of Cottage Grove Telephone No. (541) 942-3349

Source(s) of Municipal Water: Row River
(stream name, groundwater, and/or reservoir name)

7. Will the use of reclaimed water occur inside or outside the water service boundaries of the potable municipal water provider identified above in Question 6?

INSIDE OUTSIDE

8. What is the length in years of the agreement/contract between the reclaimed water user and the reclaimed water supplier? TBD

Describe any conditions in the agreement that limit use of the reclaimed water.

Once the site is reviewed by DEQ, the City and the Fairgrounds will continue towards a formal agreement. The finalized agreement will be submitted as soon as possible.

9. Please describe the transmission system that delivers reclaimed water from the wastewater treatment facility to the place of reclaimed water use.

See Attachment B

(Include type of construction of diversion works/pump capacity, length and dimensions of supply ditches/ pipelines)

10. What is the Intended Use(s) of Reclaimed Water?

Irrigation

(irrigation, aquifer recharge, wetlands, industrial, cooling, aquifer storage & recovery, etc.)

Irrigation Total Acres: 4 What type of crop? Grass
(hay, pasture, golf course, wood fiber, etc.)

What is the irrigation application system? TBD - See Attachment B
(flood, center pivot, wheel line, drip, micro-sprinklers)

How much Reclaimed Water will be used? TBD - See Attachment B
(cubic feet per second, OR gallons per minute)

Date use began or will begin: TBD Period of use (month/day): from 3/1 to 10/31

11. What are the water user's motivations to use reclaimed water?

- My existing water rights are "junior" and not always reliable.
- Another water source is available, but reclaimed water is less expensive.
- Reclaimed water is the only source available and enables the use listed in Question 10.
- Reclaimed water allows a WRD transfer of existing water rights to a different location.
- Reclaimed water use reduces demand on the local municipal water supply.
- To assist the treatment facility in meeting DEQ regulatory permit requirements.
- To recharge the aquifer or store water in the aquifer for future recovery.
- Other (describe): _____

12. Describe the historic reclaimed water disposal method.

A) Into which stream was the reclaimed water discharged? Coast Fork Willamette River

B) Has the reclaimed water been discharged into the stream for 5 or more years?

YES NO

C) Where did the treated wastewater historically enter the stream?

Township 20 Range 3W Section 28, Rivermile 21.5

(Township, Range and Section, or distance from landmark, or river mile, or Lat/Long)

D) Does the amount (rate in gpm or cfs) of reclaimed water proposed for use under this registration represent more than 50% of the total average annual flow of the stream?

YES NO UNKNOWN

Source of information used to answer this? USGS Stream Stat# 14153500 COAST FORK

13. Is the required map attached showing the reclaimed water transmission system and place of use? YES NO (If No, please prepare and attach map).

The Registration Form is not complete without an adequate map.
See map requirement explanation on page 4.

14. MAP REQUIREMENTS:

This registration must be accompanied by a map, or maps, to show the location of the wastewater treatment facility, location of reclaimed water transmission system (pipelines, canals, etc.) and the place of reclaimed water use. Features of the map(s) should include the following:

- A north arrow.
- Drawn to scale at not less than 4" = 1 mile, with the scale identified.
- Township, Range, Section, Quarter-Quarters, and tax lot number(s).
- Place of use shown by Quarter-Quarter section with shading or diagonal lines.
- Acres, if land application, per Quarter-Quarter section (approximate if not certain).
- Location of main canals or pipelines to and within the reclaimed water use area.
- Streams and roads identified if they cross through the map.
- Other obvious features that would help someone in the field locate the place of use.
- A legend.

**A map showing the wastewater treatment facility, transmission system, and place of use at a scale of 4" = >1 mile is fine only if a second map is provided showing the place of use at not less than 4" = 1 mile.*

15. ADDITIONAL COMMENTS: Provide additional information here or attach additional pages.

The City of Cottage Grove and the Western Oregon Exposition Fairground are discussing options for recycled water irrigation. Once the site is reviewed by DEQ, work will continue towards a formal agreement. Once the agreement is finalized and in effect, a copy will be sent as an addendum to this application.

The City will need to build additional recycled water distribution infrastructure to convey recycled water to the Fairgrounds. A description of the current infrastructure construction for the recycled water system is included in Attachment B and shown in the Site Map attached.

16. Signatures of Registrant and Reclaimed Water Supplier:

I/We certify that the information provided in this Registration Form is an accurate representation of the proposed reclaimed water use to the best of my knowledge:

Registrant Printed Name: KEN SCHWIEGER Title: PRESIDENT - WOE

Registrant Signature: *[Signature]* Date: 7-29-20

Supplier Printed Name: Faye Stewart Title: Public Works Director

Supplier Signature: *[Signature]* Date: 7/29/2020

NOTE: Once completed and signed, keep a copy and send this form to the DEQ permit writer responsible for the wastewater treatment facility permit. DEQ will sign and forward the form to WRD in Salem. A response letter will be sent by WRD to all parties within 60 days.

This section is to be completed by DEQ

17. Signature of DEQ Water Quality Manager:

Date registration form received at DEQ: 11/10/2020

Pursuant to ORS 537.132 DEQ has:

- a) **Authorized the use of reclaimed water (referred to by DEQ regulations as "recycled water") as evidenced by the NPDES or WPCF permit issued and described below.**

Permit Number: 101300 DEQ File Number: 20306

Printed DEQ Permit Writer's Name: Mark Hamlin, retired

Mail Address: _____
Street/P.O. Box City State Zip

Telephone: _____ E-mail: _____

- b) **Consulted with State Department of Fish and Wildlife and determined this use of reclaimed water shall not have a significant negative impact on fish or wildlife.**

ODFW contact name: Anne Hayden-Lesmeister, Instream Flow Specialist

ODFW contact phone number: 503-947-6236

- c) **Determined the use of reclaimed water is intended to improve the water quality of the receiving stream.**

~~The reclaimed water is (e.g. too warm for salmonids).~~ The use of reclaimed water is intended to keep treated wastewater from further warming the receiving stream above temperatures that are ideal for salmonids.

I certify the provisions of ORS 537.132(1)(a)(b) and (c) for this application are satisfied.

Ranei Nomura Date 11/12/2020
DEQ Water Quality Manager Signature

Ranei Nomura
DEQ Water Quality Manager's printed name

Once signed by DEQ, this completed form is to be sent to:

Oregon Water Resources Department
C/O Water Reuse Coordinator
725 Summer St. NE, Suite A
Salem, OR 97301-1266



ATTACHMENT A: WATER RIGHTS

Municipal Water Right Certificate Number: 87027, 87028, 91536, 84168, 82223



ATTACHMENT B: TRANSMISSION SYSTEM DESCRIPTION AND IRRIGATION VOLUME

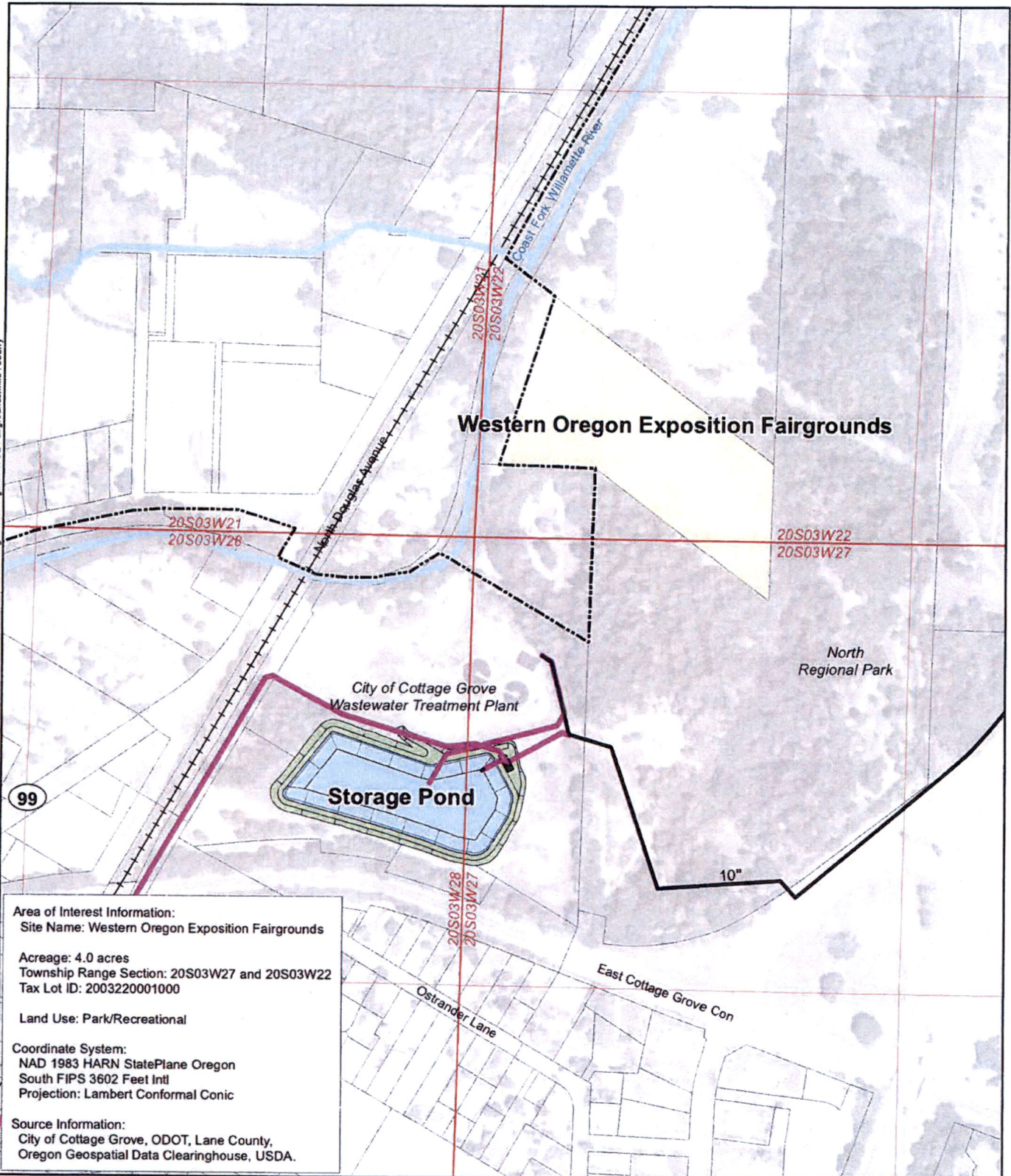
A 7.5 Horsepower (HP) vertical turbine pump at the Effluent Pump Station will pump reclaimed water from the end of the chlorine contact chamber and pump it to the new storage pond.

A 75 HP vertical turbine pump at the Recycled Water Pump Station will pump the recycled water from the new storage pond wet well into the new and existing distribution systems. In order to irrigate at the fairgrounds, additional distribution infrastructure is necessary.

There is currently no irrigation system installed at the Western Oregon Exposition Fairgrounds. Information on the proposed irrigation system will be forwarded to DEQ as soon as it becomes available. The following estimate of recycled water use was included in the Recycled Water Use Plan.

Western Oregon Exposition Fairgrounds: Irrigation Volume						
Month	Rainfall, in/mo	Grass E.T., in/mo	Net Irrigation Demand, in/mo	Net Irrigation, gpd	Plant Flow, mgd	Percent of Effluent, percent
May	2.6	4.2	2.2	7,858	1.6	0.5
Jun	1.6	5.0	4.9	17,167	1.1	1.5
Jul	0.4	5.9	7.9	27,728	0.9	3.2
Aug	0.7	4.9	6.0	21,071	0.8	2.8
Sep	1.5	3.7	3.2	11,161	0.8	1.4
Average				16,997	1.0	1.9
Total Annual Volume: 2.6 MG						

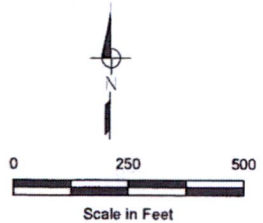
Last Saved: 7/21/2020 10:07:10 AM P:\Clients\771 City of Cottage Grove\14-18-02 Design of Recycled Water Sys Exp\GIS\MXD\Reclaimed Water Registration Figures\WOE Fairgrounds.mxd : bbarry



Area of Interest Information:
 Site Name: Western Oregon Exposition Fairgrounds
 Acreage: 4.0 acres
 Township Range Section: 20S03W27 and 20S03W22
 Tax Lot ID: 2003220001000
 Land Use: Park/Recreational
 Coordinate System:
 NAD 1983 HARN StatePlane Oregon
 South FIPS 3602 Feet Intl
 Projection: Lambert Conformal Conic
 Source Information:
 City of Cottage Grove, ODOT, Lane County,
 Oregon Geospatial Data Clearinghouse, USDA.

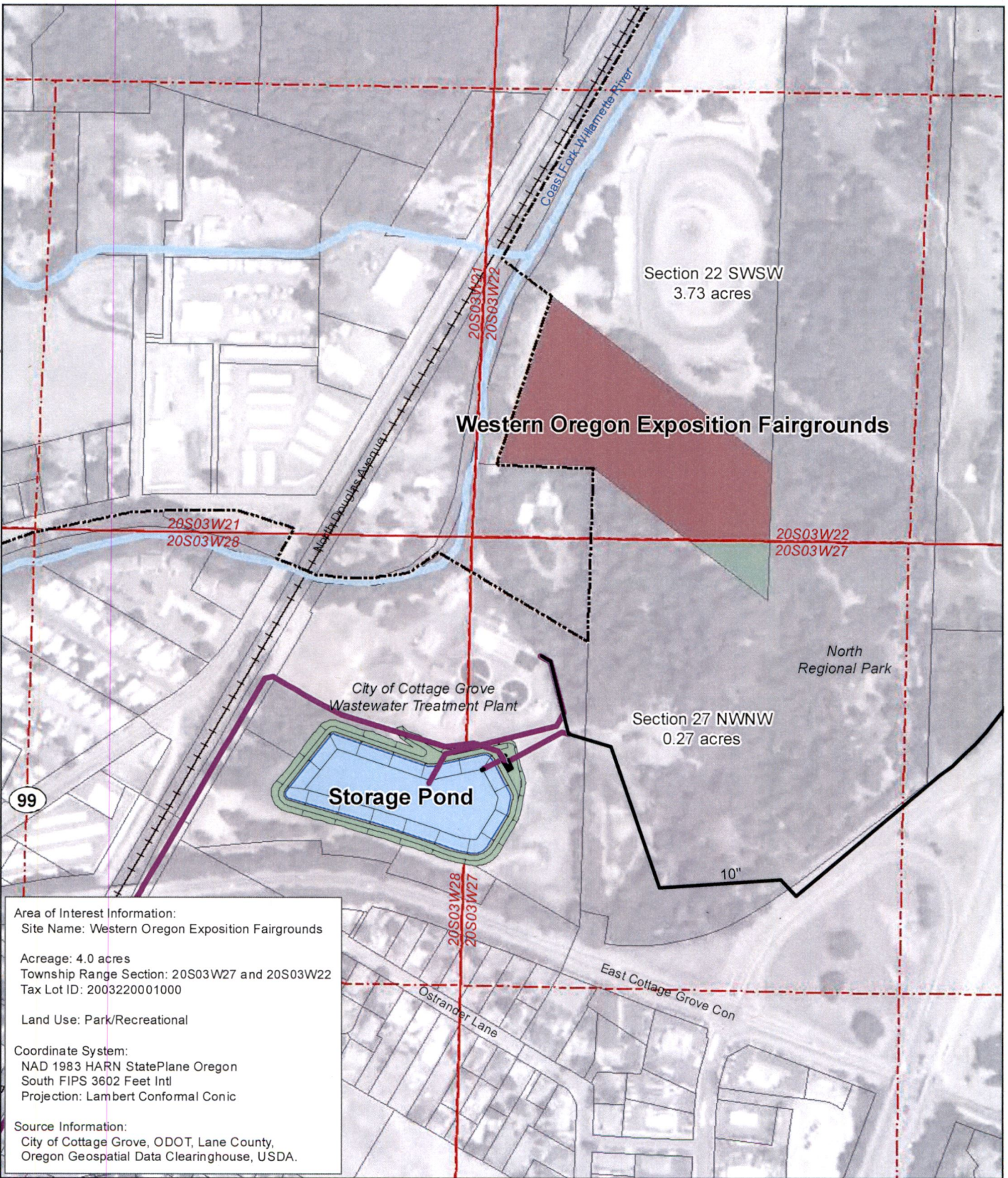
Legend

- W.O.E. Fairgrounds
- Township Range Section
- City of Cottage Grove Parcels
- City Limits
- Proposed Reuse Pipeline
- Existing Reuse Pipeline
- Railroad



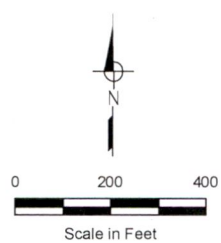
**Western Oregon
 Exposition Fairgrounds**
 City of Cottage Grove

Last Saved: 12/29/2020 5:53:37 PM P:\Clients\173 City of Cottage Grove\14-18-02 Design of Recycled Water Sys Exp\GIS\MXD\Reclaimed Water Registration Figures\WOE Fairgrounds.mxd : nszlgell



Area of Interest Information:
 Site Name: Western Oregon Exposition Fairgrounds
 Acreage: 4.0 acres
 Township Range Section: 20S03W27 and 20S03W22
 Tax Lot ID: 2003220001000
 Land Use: Park/Recreational
 Coordinate System:
 NAD 1983 HARN StatePlane Oregon
 South FIPS 3602 Feet Intl
 Projection: Lambert Conformal Conic
 Source Information:
 City of Cottage Grove, ODOT, Lane County,
 Oregon Geospatial Data Clearinghouse, USDA.

- Legend**
- Proposed Reuse Pipeline
 - Existing Reuse Pipeline
 - +++ Railroad
 - - - Quarter-Quarter
 - Township Range Section
 - City of Cottage Grove Parcels
 - City Limits



**Western Oregon
 Exposition Fairgrounds**
 City of Cottage Grove

