



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

Application for a Permit to Store Water in a Reservoir

(Alternate Review)

Alternate Review Process (ORS 537.409): You may use this form for any reservoir storing less than 9.2 acre-feet or with a dam less than 10 feet high.

Use a separate form for each reservoir

Please type or print in dark ink. If your application is found to be incomplete or inaccurate, we will return it to you. If any requested information does not apply, insert "n/a". A summary of review criteria and procedures that are generally applicable to these applications is available at www.wrd.state.or.us/OWRD/PUBS/forms.shtml.

1. APPLICANT INFORMATION

Applicant: MARY ORDAL (for City of Hillsboro)
First Last
 Mailing Address: 4400 NW 229th Ave
HILLSBORO OR 97124
City State Zip
 Phone: _____ 503-681-6225 _____
Home Work Other
 *Fax: 503-681-6124 *Email Address: maryo@ci.hillsboro.or.us
**optional information*

2. LOCATION AND SOURCE

A. Reservoir Name: WOODLAND POND
 B. Source: Provide the name of the water body or other source from which water will be diverted, and the name of the stream or lake it flows into. Indicate if source is run-off, seepage, or an unnamed stream or spring.
 Source: LOWER POND Tributary to: TUALATIN RIVER

C. Reservoir Location

| Township (N or S) | Range (E or W) | Section | quarter/quarter | tax lot number |
|-------------------|----------------|----------|-----------------|---------------------|
| <u>1 S</u> | <u>2 W</u> | <u>8</u> | <u>SE/SE</u> | <u>1250800-3400</u> |

D. County of Use: WASHINGTON
 E. Dam: Maximum height of dam: 0 feet. If excavated, write "excavated" or "0 feet".
 F. Quantity: Amount of water to be stored in the reservoir at maximum capacity.
 List quantity in Acre-Feet: 0.3

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3. WATER USE

Indicate the proposed use(s) of the stored water. NOTE: You may wish to consider filing for "Multipurpose use" for your reservoir. Multipurpose use does not limit the types of future uses for the stored water. Multipurpose covers all uses including: stockwater, fish and wildlife, aesthetics, domestic, irrigation, agriculture, fire protection and pollution abatement. If any use will be out of reservoir use, regardless of the type of storage listed, a secondary application must be filed to appropriate the stored water.

| | | |
|-------------------------|--|------------|
| App. No. <u>R-87379</u> | For Department Use Permit No. _____ | Date _____ |
|-------------------------|--|------------|

4. PROPERTY OWNERSHIP

Do you own all the land where you propose to divert, transport, and use water?

Yes (please check appropriate box below then skip to section 5)

- There are no encumbrances
This land is encumbered by easements, rights of way, roads or other encumbrances (please provide a copy of the recorded deed(s))

No (Please check the appropriate box below)

- I have a recorded easement or written authorization permitting access.
I do not currently have written authorization or easement permitting access.
Written authorization or an easement is not necessary, because the only affected lands I do not own are state-owned submersible lands, and this application is for irrigated and/or domestic use only (ORS 274.040). (Do not check this box is you described your use as "Mulitpurpose" in #3 above

List Name and mailing addresses of all affected land owners:

Empty box for listing land owners.

5. ENVIRONMENTAL IMPACT

A. Channel: is the reservoir In Stream or off channel ?

B. Wetland: is the project in a wetland? Yes No Don't know

C. Existing: is this an existing reservoir? Yes No

If yes how long has it been in place? 210 years

D. Fish Habitat: Is there fish habitat upstream from the proposed structure? Yes No Don't know

If yes, how much? miles

E. Partnerships: Have you been working with other agencies? Yes No

Indicate agency, staff and phone numbers of those involved. Also indicate any agencies that are cost sharing in this project.

SEE REMARKS

6. SIGNATURE

I swear that all statements made and information provided in this application are true and correct to the best of my knowledge.

Mary E Ordal

1/15/2009

Landowner Signature

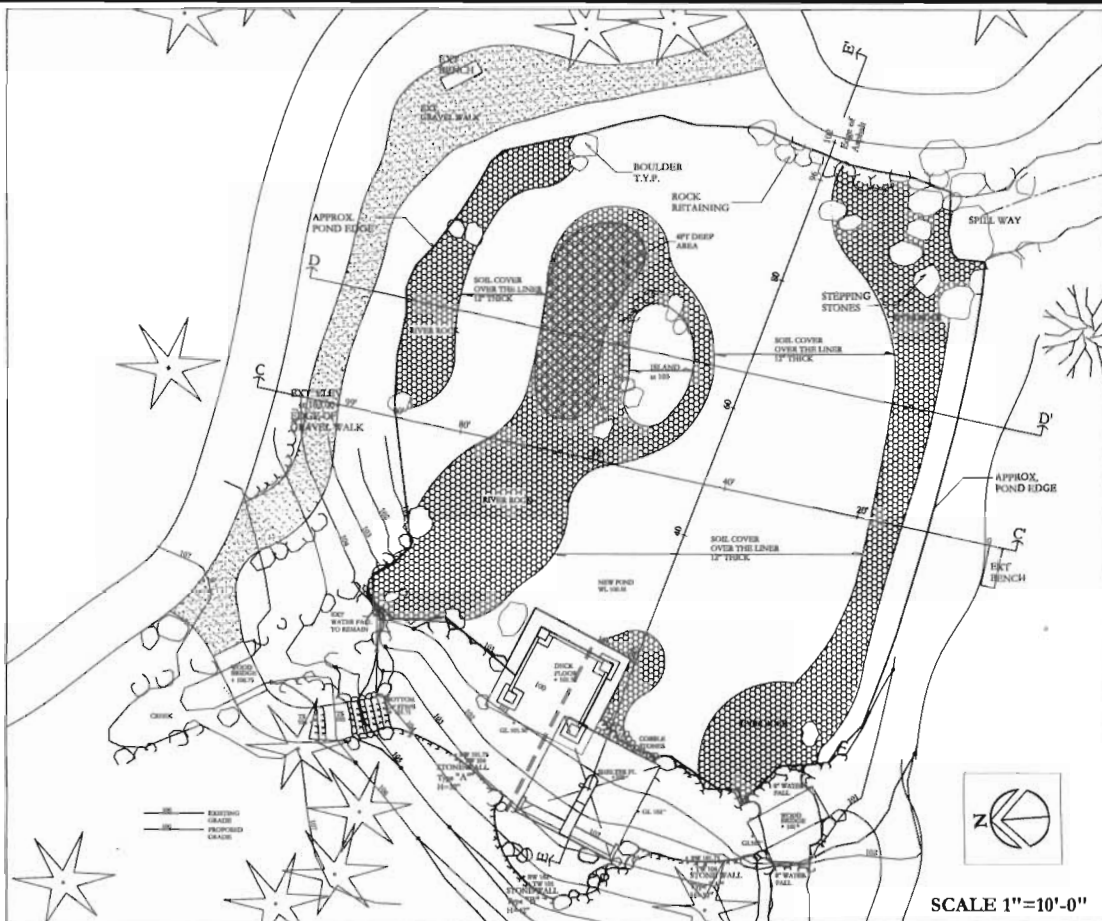
Date

Before you submit your application be sure you have:

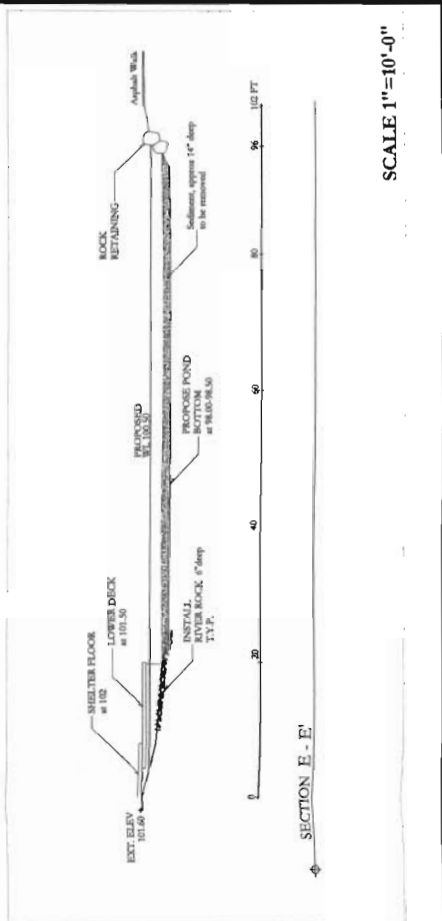
- Answered each question completely.
Included a legible map that includes Township, Range, Section, quarter-quarter and tax lot number.
The map must meet map requirements to be accepted.
Included a land use form or receipt stub signed by a local planning official.
Included a check payable to Oregon Water Resources Department for the appropriate amount.

FEE STRUCTURE: The fee is based on the number of acre-feet proposed to be stored. The base fee is \$80. In addition, there is a fee of \$20 per acre-foot or fraction thereof. Example: 0.3 AF= \$ 100 ; 1.5 AF= \$ 120 ; 20.0 AF= \$ 480 ; 30.0 AF= \$ 680.

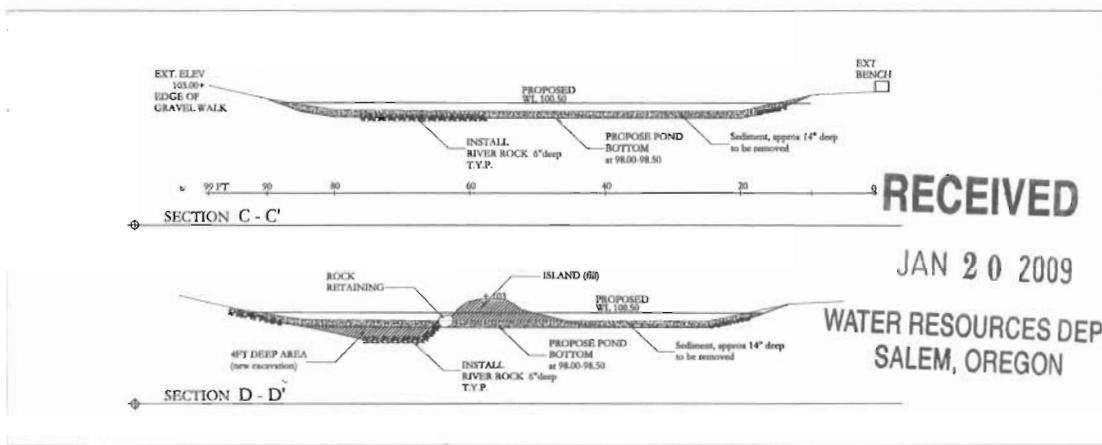
The Woodland pond was redeveloped in 2007 to correct deficiencies (leaks), improve circulation and water quality, and create a more natural edge with native vegetation.



SCALE 1"=10'-0"



SCALE 1"=10'-0"



Section C - C' & D - D'

SCALE 1"=10'-0"

NOTES :

- 1) Use "PPL-24" reinforced polyethylene liner manufactured by Bend Tarp and Liner, Inc, 20845 Sockeye Pl., Bend, OR 97701 (541) 388-0712. and follow the liner sizing, installation method and procedure specified by the manufacture
- 2) Pond is approximately 6,700 sq.ft. of which 2,400sq.ft.is covered by river rock and the remaining bottom to be covered by 12" thick soil
- 3) Use river rock 2'-4"
- 4) With approval from Parks & Rec. project manager, excavated soil may be used for the structural base for the island. Place min. 12" planting soil over the structural fill.

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WOODLAND POND :
Pond Bottom Treatment and Cross Sections

prepared for
HILLSBORO PARKS & RECREATION
July 24, 2007 by Sadafumi Uchiyama





CHICAGO TITLE INSURANCE COMPANY

10001 SE Sunnyside Road
Clackamas, OR 97015

Phone (503) 786-3940 Fax (503) 653-7833

= METROSCAN PROPERTY PROFILE =
Washington (OR)

OWNERSHIP INFORMATION

Reference Parcel # : 1S208DD 03400
Parcel Number : R0337932 RTSQ: 02W -01S -08 -SE
Owner : Hillsboro City Of
Co Owner :
Site Address : *No Site Address*
Mail Address : 123 W Main St Hillsboro Or 97123
Telephone : Owner: 503-615-6551 Tenant:

SALES AND LOAN INFORMATION

Transferred : Loan Amount :
Document # : 4060212 Lender :
Sale Price : Loan Type :
Deed Type : Interest Rate :
% Owned : Vesting Type :

ASSESSMENT AND TAX INFORMATION

Market Land : Exempt Amount :
Market Structure : Exempt Type : Exempt
Market Other : % Improved :
Market Total : Levy Code : 00701
98-99 Taxes : Millage Rate : 14.7403
Assessed Total : School Dist : Hillsboro

PROPERTY DESCRIPTION

Map Grid : Class Code :
Census : Tract: Block:
NbrhdCd : 4HSB MillRate :
Sub/Plat :
Land Use : 9151 Gov, City
Legal : ACRES 12.05, NON-ASSESSABLE

PROPERTY CHARACTERISTICS

| | | | |
|---------------|--------------|---------|---------------|
| Bedrooms : | Lot Acres : | 12.05 | Year Built : |
| Bathrooms : | Lot SqFt : | 524,898 | EffYearBlt : |
| Heat Method : | BsmFin SF : | | Floor Cover : |
| Pool : | BsmUnfinSF : | | Foundation : |
| Appliances : | BsmLowSF : | | Roof Shape : |
| Dishwasher : | Bldg SqFt : | | Roof Matl : |
| Hood Fan : | 1stFlrSqFt : | | InteriorMat : |
| Deck : | UpperFlrSF : | | Paving Matl : |
| Garage Type : | Porch SqFt : | | Const Type : |
| Garage SF : | Attic SqFt : | | Ext Finish : |
| | Deck SqFt : | | |

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TAX LOT 3400

KNOW ALL MEN BY THESE PRESENTS, That ISA GRABEL, a single woman, hereinafter designated Grantor, of the County of Washington, State of Oregon, in consideration of Ten Dollars (\$10.00), and other valuable considerations to her paid by CITY OF HILLSBORO, OREGON, a municipal corporation, hereinafter designated the City, Grantee, whose receipt whereof is hereby acknowledged, does hereby grant, bargain, sell and convey unto the said CITY OF HILLSBORO, OREGON, a municipal corporation, its successors and assigns, all the following bounded and described property, situate in the County of Washington, State of Oregon, to-wit:

Beginning at a point on the south line of that certain tract of land in Sections 8 and 9, T1S, R2W, 11, Washington County, Oregon, conveyed to Isa Grabel by deed recorded on page 100 of Book 152, Washington County, Oregon, Deed Records, and which point is S. 0° 41' W. 1965.5 feet from the quarter-section corner between said Sections 8 and 9, and running thence S. 68° 33' W. along the south line of the Grabel property for a distance of 704.5 feet to a point in the center of the Road Bridge Road as the name is now traveled, running thence N. 12° 10' W. along the center of said Road Bridge Road for a distance of 450 feet; running thence N. 77° 50' E. 205.1 feet to the center of Rock Creek, said creek being the easterly boundary of the above noted Grabel property; running thence southerly, easterly and southerly down the center of Rock Creek to the southeast corner of said Grabel property; running thence S. 68° 33' W. 222.6 feet to the place of beginning, containing 12.36 acres, more or less. Subject to the rights of the public to all portions lying within the boundaries of public roads.

TO HAVE AND TO HOLD the above described and granted premises unto the said CITY OF HILLSBORO, OREGON, a municipal corporation, its successors and assigns forever.

This conveyance is made, executed and delivered by the Grantor herein to the Grantee upon the following terms and conditions:

1. That said real property shall be used for construction and maintenance of a sewage disposal plant and Pumping lift station and other facilities necessary in connection therewith and for residential and agricultural purposes, and growing of trees for a period of twenty years;

[REDACTED]

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2. The City shall construct a substantial stock fence upon the line between the tract conveyed to the City and the remainder of the Grabel farm and maintain the same as long as necessary for a fence remains;

3. The City will maintain a buffer strip eighty feet in width along the North line of the tract hereby conveyed by Grantor to the City, beginning at a point 150 feet east of the Northwest corner of said tract, and continue along the line of said tract easterly for a distance of 425 feet;

4. The City will preserve the timber situated upon the tract hereby conveyed, except over-ripe trees or trees constituting a danger or menace. The City will replace trees removed from said buffer strip with ornamental trees, sufficient in number and height to constitute a buffer between the disposal plant and the Grabel farm;

5. If, in the use of said land by the City for the above designated purposes, odors, or fumes develop which shall interfere with the use of the remainder of the real property owned by the Grantor or which the hereinbefore described and conveyed real property is a part, or affect the health or welfare of the Grantor, the Grantor shall give to the City notice, and the City will thereafter cause the same to be eliminated within a reasonable time and after reasonable notice. But it is definitely understood and agreed that this covenant is personal between the Grantor herein and the City of Hillsboro, and vests no right in any other person, firm or corporation; and does not run with the land.

6. The covenants upon the part of the City hereinbefore set forth, shall extend from the date hereof, and shall be binding upon the City, its successors and assigns, and shall be binding upon the Grantor, his heirs, executors, administrators and assigns, for twenty years.

And the Grantor above named, does covenant to and with the above named Grantee, its successors and assigns, that she is the owner in fee simple of the above granted premises, that they are free from all incumbrances, and the Grantor will, and her heirs, executors and Administrators shall warrant and forever defend the above granted premises, and every part and parcel thereof, against the lawful claims and demands of all persons whomsoever, except as expressly hereinbefore set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 25th day of June, 1954.

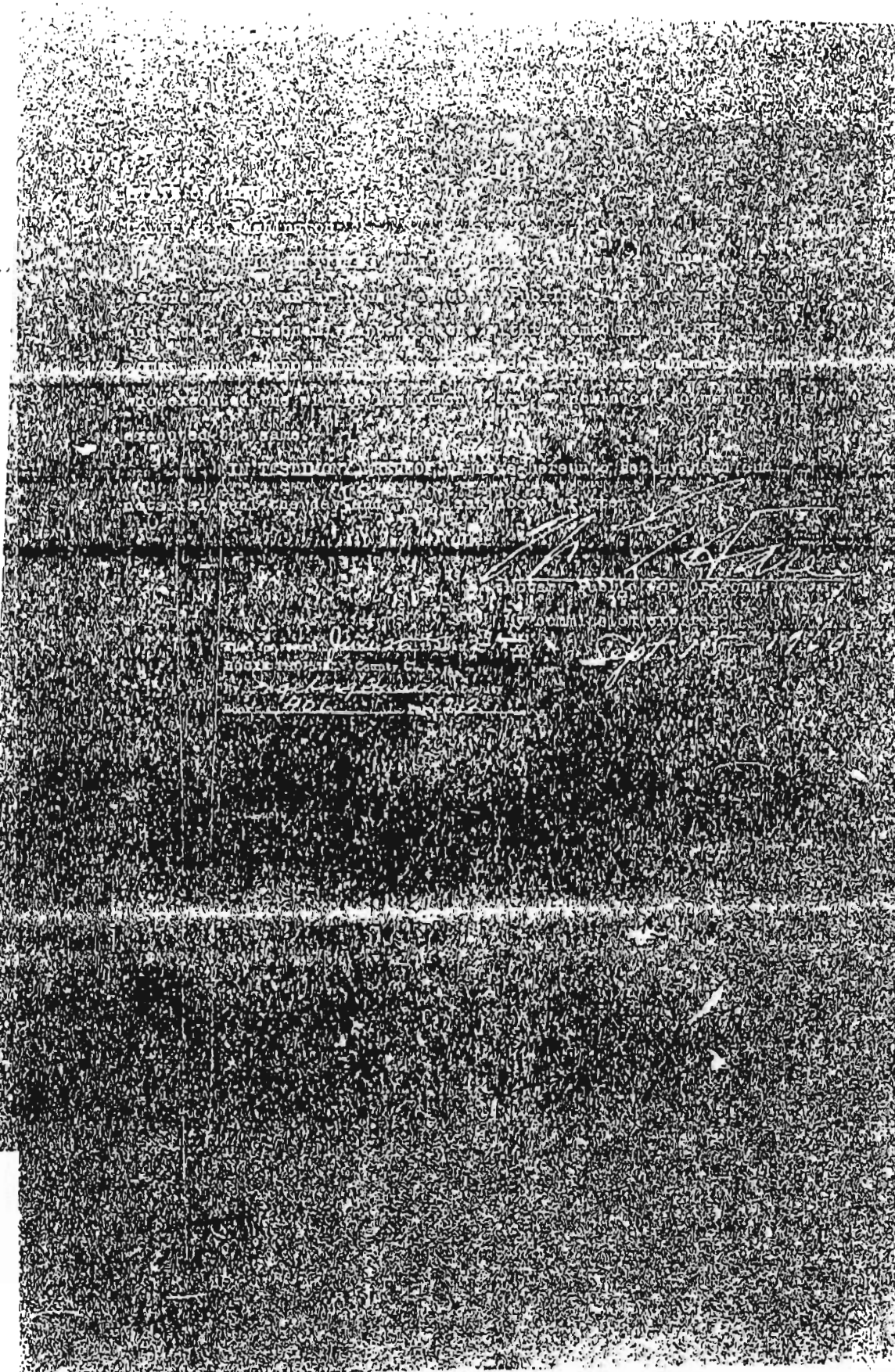
(SEAL)

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For Local Government Use Only

The following section must be completed by a planning official from each county and city listed unless the project will be located entirely within the city limits. In that case, only the city planning agency must complete this form. This deals only with the local land-use plan. Do not include approval for activities such as building or grading permits.

Please check the appropriate box below and provide the requested information

Land uses to be served by proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s): Section 9(II) Recreation Policies of Hillsboro Comprehensive Plan Ordinance No. 5793-4-77
Land uses to be served by proposed water uses (including proposed construction) involve discretionary land-use approvals as listed in the table below. (Please attach documentation of applicable land-use approvals which have already been obtained. Record of Action/land-use decision and accompanying findings are sufficient.)

If approvals have been obtained but all appeal periods have not ended, check "Being pursued".

| Type of Land-Use Approval Needed (e.g. plan amendments, rezones, conditional-use permits, etc.) | Cite Most Significant, Applicable Plan Policies & Ordinance Section References | Land-Use Approval: | |
|---|--|-----------------------------------|--|
| | | <input type="checkbox"/> Obtained | <input type="checkbox"/> Being pursued |
| | | <input type="checkbox"/> Denied | <input type="checkbox"/> Not being pursued |
| | | <input type="checkbox"/> Obtained | <input type="checkbox"/> Being pursued |
| | | <input type="checkbox"/> Denied | <input type="checkbox"/> Not being pursued |
| | | <input type="checkbox"/> Obtained | <input type="checkbox"/> Being pursued |
| | | <input type="checkbox"/> Denied | <input type="checkbox"/> Not being pursued |
| | | <input type="checkbox"/> Obtained | <input type="checkbox"/> Being pursued |
| | | <input type="checkbox"/> Denied | <input type="checkbox"/> Not being pursued |

Local governments are invited to express special land-use concerns or make recommendations to the Water Resources Department regarding this proposed use of water below, or on a separate sheet.

Name: Jennifer K. Wells Title: Senior Planner
Signature: [Signature] Phone: (503) 684-6214 Date: 12/18/08
Government Entity: City of Hillsboro

Note to local government representative: Please complete this form or sign the receipt below and return it to the applicant. If you sign the receipt, you will have 30 days from the Water Resources Department's notice date to return the completed Land Use Information Form or WRD may presume the land use associated with the proposed use of water is compatible with local comprehensive plans.

Receipt for Request for Land Use Information

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Applicant name: _____
City or County: _____ Staff contact: _____
Signature: _____ Phone: _____ Date: _____



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Oregon Water Resources Department Land Use Information Form

THIS FORM IS NOT REQUIRED IF: 1) water is to be diverted, conveyed, and/or used only on federal lands; or 2) the application is for a water-right transfer, allocation of conserved water, exchange, permit amendment, or ground water registration modification, and all of the following apply: a) only the place of use is proposed for change, b) there are no structural changes, c) the use of water is for irrigation, and d) the use is located in an irrigation district or exclusive farm-use zone.

Applicant Name: CITY OF HILLSBORO PARKS + RECREATION DEPT
Mailing Address: 4400 NW 229TH AVE
City: HILLSBORO State: OR Zip: 97124 Day Phone: 503-681-6225

This application is related to a Measure 37 claim. Yes No

A. Land and Location

Please include the following information for all tax lots where water will be diverted (taken from its source), conveyed (transported), or used. Applicants for municipal use, or irrigation uses within irrigation districts may substitute existing and proposed service-area boundaries for the tax-lot information requested below.

| Township | Range | Section | ¼ ¼ | Tax Lot # | Plan Designation (e.g. Rural Residential/RR-5) | Water to be: | Proposed Land Use: |
|-----------|-----------|----------|-----|-------------|--|---|--------------------|
| <u>1S</u> | <u>2W</u> | <u>8</u> | | <u>3400</u> | <u>R-7 (ZONING)</u> | <input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used | <u>PARK</u> |
| | | | | | <u>PF - Public</u> | <input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used | |
| | | | | | <u>(Facility Comp)</u> | <input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used | |
| | | | | | | <input type="checkbox"/> Diverted <input type="checkbox"/> Conveyed <input type="checkbox"/> Used | |

List all counties and cities where water is proposed to be diverted, conveyed, or used. WASHINGTON

B. Description of Proposed Use WOODLAND POND @ ROOD BRIDGE PARK

Type of application to be filed with the Water Resources Department:

- Permit to Use or Store Water
- Allocation of Conserved Water
- Permit Amendment or Ground Water Registration Modification
- Water-Right Transfer
- Limited Water Use License
- Exchange of Water

Source of water: Reservoir/Pond Ground Water Surface Water (name) LOWER POND @ ROOD BRIDGE PARK
Estimated quantity of water needed: 0.3 cubic feet per second gallons per minute acre-feet

Intended use of water: Irrigation Commercial Industrial Domestic for _____ household(s)
 Municipal Quasi-municipal Instream Other AESTHETIC + WILDLIFE

Briefly describe: The Woodland pond is an existing small pond in a scenic area - the Rhododendron Garden - within the park. Receives water pumped from Lower Pond, which then flows back to

Note to applicant: If the Land Use Information Form cannot be completed while you wait, please have a local government representative sign the receipt below and include it with the application filed with the Water Resources Department. lower pond via creeks.

Receipt for Request for Land Use Information

State of Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301-1266

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Remarks re Water Use Request for Rood Bridge Park

(Water pumped from Lower pond to flow via man-made creeks to Woodland Pond and return to Lower Pond.)

Rood Bridge Park is Hillsboro's premier park because of its 60+ acre size and range of features including both developed and natural areas. Development of the park began in 1995, with construction in phases. A key element of the park design was the intended use of Level 4 treated effluent water for irrigation and for augmenting water level in the park's Lower Pond. A manmade creek system was designed to aerate the discharge water before it entered the Lower Pond, to ensure that any residual chemicals were fully oxidized. The creek system was an important design element, and also provided aesthetic values to the park. It was designed as a recirculating system so that it could function even when discharge water was not being utilized. Discharge water or water from the Lower Pond would be pumped via 6" pipe underground to the creeks and then flow back via gravity in the lined man-made creeks back to the Woodland Pond and then back to the Lower Pond. The plans for the CWS discharge water were subsequently put on hold, and the treated discharge water was not available. Meanwhile, the park and recirculating creek system and pump had been developed. The majority of the creek system is along the edge of a wooded area developed as a rhododendron garden, and so is partially shaded.

The water from the Lower Pond is pumped via a 20 HP pump to the beginning of the man-made creeks providing approximately 600 gpm of water. The water flows into two creek channels which enter the Woodland Pond via small waterfalls. The Woodland Pond has an outlet creek which returns water to the Lower Pond. There is approximately 1600 lf of creek system including the return creek to the Lower Pond. The creeks are 2-3 feet in width, lined with rubber topped with river rock, and a few inches in depth.

The submersible pump is fed by a 6" diameter intake pipe. This pipe sits inside a large 24" diameter pipe that extends into the Lower Pond. Both the intake pipe and the large protective pipe have protective mesh screenings on them. The intake pipe has a fine mesh that protects fish or other aquatic life from being drawn into the pump. There is a big screen box on the end of the large pipe to block fish and aquatic life as well as debris from the pipe intake. This 4' x 4' x 6' box is fitted with two layers of heavy protective screen (approximately 0.5" diameter openings). These systems have enabled the pump to run successfully since installation in 1999 without clogging and have protected the fish and aquatic life that utilizes the Lower Pond.

The park is maintained by full time maintenance staff. Care is used to ensure that any fertilizers or other chemicals do not enter the creeks or ponds at the park. Staff are licensed applicators; management practice limits use of any fertilizers or herbicides in areas adjoining water resources, including man-made water features and buffer zones.

The creek and pond system are key aesthetic features of the park. The creeks do not support fish, although ducks have been observed in the creeks. Waterfowl and amphibians have been observed in the Woodland Pond, and the Lower Pond is home to a variety of waterfowl, amphibians and other aquatic life.

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The creeks form waterfalls entering the pond; these were reconfigured as part of renovation.



Edge plantings are still immature, but eventually will provide a lot of shade to the pond.



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Woodland Pond – pre-renovation; grass area is site of the pavilion
Pond lacks native vegetation around edges. (2005)



Below, the woodland pond after renovation and after development of the pavilion.
(2007)



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The scenic pond and pavilion area are a popular amenity in the park, a destination for trail users as well as a place for special events.



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Rood Bridge Park Ponds & Creek Recirculating System Hillsboro OR



- Park Boundary
- Tax Lots
- - - - Man made creeks
- Pipe - water from lower pond pumped to start of creeks

Lower Pond on
Tax Lot 1S2090001500

Woodland Pond on
tax Lot 1S208DD03400

Creek system on both tax lots

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△ Government
Corners



1 inch equals 400 feet

R-18-7-3-37

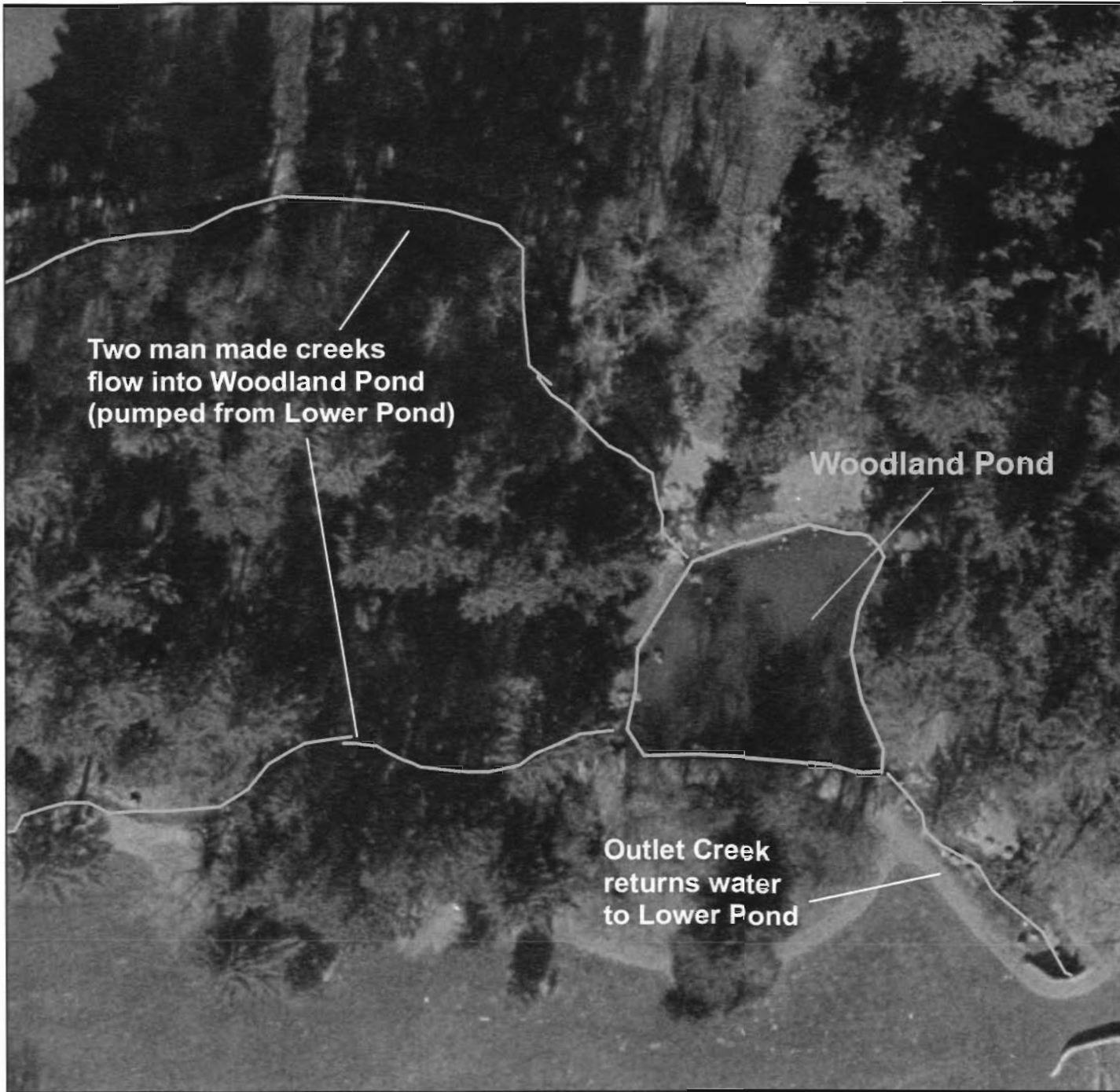
Rood Bridge Park Woodland Pond

close-up view

Photo March 2007
prior to renovation

Woodland Pond on
tax Lot 1S208DD03400

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1 inch equals 50 feet



12-02374