



Oregon

Theodore R. Kulongoski, Governor

Kelley

Water Resources Department
725 Summer Street NE, Suite A
Salem, OR 97301-1271
503-986-0900
FAX 503-986-0904

INTEROFFICE MEMO

FORWARD TO: *Sarah Henderson*
FIELD PROCESSOR WORKING ON THIS TRANSFER

DATE: 4-12-07

FROM: _____ WATERMASTER, DISTRICT # _____
X _____ GROUNDWATER SECTION

(SIGNATURE) Donn Miller date signed 4/24/07
signed by injury reviewer

SUBJECT: WATER RIGHT TRANSFER # 10355

A change in: POU POD A POA USE of water.

In the name(s) of City of Portland - Parks & Rec.

In my opinion (assuming the right is valid), the proposed change

MAY BE MADE WITHOUT INJURY WOULD RESULT IN INJURY* to an existing water
right Donn

*The approval of this transfer application would result in injury to other water rights because

The existing right may not be valid because _____

Headgate notices HAVE HAVE NOT Been issued for diversion from the source(s) which serve(s) this right.

If for change in point of diversion, is there any intervening point(s) for diversion between the authorized and proposed points of diversion? (Yes or No) _____

In my opinion, the order approving the subject transfer application should include the following in regard to the appropriator installing suitable measuring devices in the diversion works:

_____ (1) PRIOR to the diverting of water at the new point of diversion . . .

_____ (2) WHEN IN the judgement of the watermaster it becomes necessary . . .

The enclosed copy of the transfer application and map(s) is for your records.

STATE OF OREGON
Water Resources Department
725 Summer St. N.E., Ste. A
Salem, OR 97301

MEMORANDUM

DATE: 4/23/2007

TO: File T-10355, City of Portland Parks and Rec.
FROM: Donn Miller, Hydrogeologist
SUBJECT: Transfer Comments

This transfer seeks to add a POA (MULT 86763/87892) to an existing water right (C44646). The principal well on the water right was known as Vanport #5. A log is available for the old well and it is being translated into a WRD style log. Both wells develop water from the unconsolidated sedimentary aquifer.

The transfer should not result in injury since the aquifer is very prolific and nearby users are few and likely to require little drawdown.. Full development of the resource will provide plenty of cushioning for interference.

STATE OF OREGON

COUNTY OF MULTNOMAH

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

CITY OF PORTLAND; PARKS AND RECREATION
6437 SE DIVISION ST, BLDG 416
PORTLAND, OR 97206

The specific limits and conditions of the use are listed below.

APPLICATION FILE NUMBER: G-16387

SOURCE OF WATER: WELL 3 IN COLUMBIA SLOUGH BASIN

PURPOSE OR USE: IRRIGATION USE ON 88.77 ACRES

MAXIMUM RATE: 1.11 CUBIC FEET PER SECOND

PERIOD OF USE: MARCH 1 THROUGH OCTOBER 31

DATE OF PRIORITY: FEBRUARY 11, 2005

WELL LOCATION: SW $\frac{1}{4}$ NW $\frac{1}{4}$, SECTION 4, T1N, R1E, W.M.; 1469 FEET SOUTH &
651 FEET EAST FROM NW CORNER, SECTION 4

The amount of water used for irrigation under this right, together with the amount secured under any other right existing for the same lands, is limited to a diversion of ONE-EIGHTIETH of one cubic foot per second and 2.5 acre-feet for each acre irrigated during the irrigation season of each year.

THE PLACE OF USE IS LOCATED AS FOLLOWS:

NE $\frac{1}{4}$ NW $\frac{1}{4}$ 8.18 ACRES
NW $\frac{1}{4}$ NW $\frac{1}{4}$ 20.46 ACRES
SW $\frac{1}{4}$ NW $\frac{1}{4}$ 10.24 ACRES
SE $\frac{1}{4}$ NW $\frac{1}{4}$ 8.55 ACRES
SECTION 4

NE $\frac{1}{4}$ NE $\frac{1}{4}$ 4.45 ACRES
SW $\frac{1}{4}$ NE $\frac{1}{4}$ 9.03 ACRES
SE $\frac{1}{4}$ NE $\frac{1}{4}$ 13.43 ACRES
NE $\frac{1}{4}$ SE $\frac{1}{4}$ 4.89 ACRES
NW $\frac{1}{4}$ SE $\frac{1}{4}$ 9.54 ACRES
SECTION 5

TOWNSHIP 1 NORTH, RANGE 1 EAST, W.M.

Measurement, recording and reporting conditions:

- A. Before water use may begin under this permit, the permittee shall install a totalizing flow meter. The totalizing flow meter must be installed and maintained in good working order consistent with those standards identified in OAR 690-507-645(1) through (3). The permittee shall keep a complete record of the amount of water used each month and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water use information, including the place and nature of use of water under the permit.
- B. The permittee shall allow the watermaster access to the meter; provided however, where the meter is located within a private structure, the watermaster shall request access upon reasonable notice.

STANDARD CONDITIONS

If the number, location, source, or construction of any well deviates from that proposed in the permit application or required by permit conditions, this permit may not be valid, unless the Department authorizes the change in writing.

If substantial interference with a senior water right occurs due to withdrawal of water from any well listed on this permit, then use of water from the well(s) shall be discontinued or reduced and/or the schedule of withdrawal shall be regulated until or unless the Department approves or implements an alternative administrative action to mitigate the interference. The Department encourages junior and senior appropriators to jointly develop plans to mitigate interferences.

The wells shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works shall be equipped with a usable access port, and may also include an air line and pressure gauge adequate to determine water level elevation in the well at all times.

Where two or more water users agree among themselves as to the manner of rotation in the use of water and such agreement is placed in writing and filed by such water users with the watermaster, and such rotation system does not infringe upon such prior rights of any water user not a party to such rotation plan, the watermaster shall distribute the water according to such agreement.

Prior to receiving a certificate of water right, the permit holder shall submit the results of a pump test meeting the department's standards, to the Water Resources Department. The Director may require water level or pump test results every ten years thereafter.

Failure to comply with any of the provisions of this permit may result in action including, but not limited to, restrictions on the use, civil penalties, or cancellation of the permit.

This permit is for the beneficial use of water without waste. The water user is advised that new regulations may require the use of best practical technologies or conservation practices to achieve this end.

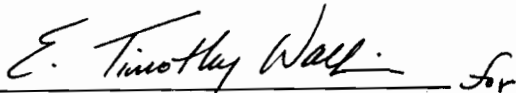
By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

The use of water shall be limited when it interferes with any prior surface or ground water rights.

Completion of construction and complete application of the water to the use shall be made on or before October 1, 2011. If the water is not completely applied before this date, and the permittee wishes to continue development under the permit, the permittee must submit an application for extension of time, which may be approved based upon the merit of the application.

Within one year after complete application of water to the proposed use, the permittee shall submit a claim of beneficial use, which includes a map and report, prepared by a Certified Water Rights Examiner (CWRE).

Issued January 4, 2007



Phillip C. Ward, Director
Water Resources Department

STATE OF OREGON

COUNTY OF

MULTNOMAH

CERTIFICATE OF WATER RIGHT

This Is to Certify, That **PORTLAND BUREAU OF PARKS**

of 1107 S.W. 4th Ave., Portland, State of Oregon, 97204, has made proof to the satisfaction of the Water Resources Director, of a right to the use of the waters of **two wells**

a tributary of **Columbia River** for the purpose of **irrigation of 112.2 acres**

under Permit No. **G-4601** and that said right to the use of said waters has been perfected in accordance with the laws of Oregon; that the priority of the right hereby confirmed dates from **May 20, 1969**

that the amount of water to which such right is entitled and hereby confirmed, for the purposes aforesaid, is limited to an amount actually beneficially used for said purposes, and shall not exceed **1.40 cubic feet per second, being 0.03 c.f.s. from well No. 1, and 1.37 c.f.s. from well No. 2**

or its equivalent in case of rotation, measured at the point of diversion from the stream. The point of diversion is located in the **#1-NE¹ NE¹, as projected within Brown DLC 67, #2-SE¹ NE¹, as projected within Brown DLC 67, Section 5, T. 1 N., R. 1 E., W. M., 490 feet South and 350 feet West, 1540 feet South and 190 feet West both from the NE Corner, Section 5**

The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, shall be limited to **one-eightieth** of one cubic foot per second per acre, **or its equivalent for each acre irrigated and shall be further limited to a diversion of not to exceed 2½ acre feet per acre for each acre irrigated during the irrigation season of each year,**

and shall conform to such reasonable rotation system as may be ordered by the proper state officer.

A description of the place of use under the right hereby confirmed, and to which such right is appurtenant, is as follows:

SEE NEXT PAGE

T-16355

Well #1
2.4 acres NE $\frac{1}{4}$ NE $\frac{1}{4}$
As projected within Alexander Brown DLC 67
Section 5
T. 1 N., R. 1 E., W. M.

Well #2
5.2 acres Lot 5 (SW $\frac{1}{4}$ SE $\frac{1}{4}$)
23.1 acres Lot 5 (SE $\frac{1}{4}$ SE $\frac{1}{4}$)
Section 32
10.9 acres Lot 1 (SW $\frac{1}{4}$ SW $\frac{1}{4}$)
2.0 acres Lot 2 (SE $\frac{1}{4}$ SW $\frac{1}{4}$)
Section 33
T. 2 N., R. 1 E., W. M.

2.5 acres NE $\frac{1}{4}$ NW $\frac{1}{4}$
3.4 acres NW $\frac{1}{4}$ NW $\frac{1}{4}$
Both as projected within Alexander Brown DLC 67
Section 4
16.5 acres NE $\frac{1}{4}$ NE $\frac{1}{4}$
22.7 acres NW $\frac{1}{4}$ NE $\frac{1}{4}$
11.8 acres SW $\frac{1}{4}$ NE $\frac{1}{4}$
11.7 acres SE $\frac{1}{4}$ NE $\frac{1}{4}$
All as projected within Alexander Brown DLC 67
Section 5
T. 1 N., R. 1 E., W. M.

The right to the use of the water for the purposes aforesaid is restricted to the lands or place of use herein described, and is subject to the existing minimum flow policies established by the Water Policy Review Board.

WITNESS the signature of the Water Resources Director, affixed

this date. August 3, 1977

..... James E. Sexson
Water Resources Director

Recorded in State Record of Water Right Certificates, Volume 36 , page 44646

STATES
THE INTERIOR
SURVEY

No intervening POA's
Any quickened interference with
Mud Slough is not considered.

521000m E. | 1 430 000 FEET (WASH.) | 522 42'30" | 523 524 1475 11 NW (VANCOUVER) | 525 SALMON C



STATE OF OREGON
WATER SUPPLY WELL REPORT
(as required by ORS 537.765)

vampout #14

WELL I.D. # L 87876

START CARD # 188026

Instructions for completing this report are on the last page of this form.

(1) LAND OWNER
Name City of Portland Well Number _____
Address 3500 N. Victory Blvd.
City Portland State OR Zip 97217

(2) TYPE OF WORK New Well
 Deepening Alteration (repair/recondition) Abandonment Conversion

(3) DRILL METHOD
 Rotary Air Rotary Mud Cable Auger Cable Mud
 Other

(4) PROPOSED USE
 Domestic Community Industrial Irrigation
 Thermal Injection Livestock Other

(5) BORE HOLE CONSTRUCTION Special Construction: Yes No
Depth of Completed Well 124.6 ft.
Explosives used: Yes No Type _____ Amount _____

BORE HOLE SEAL

Diameter	From	To	Material	From	To	Sacks or Pounds
22"	0	18	Cement	0	18	46 sacks

How was seal placed: Method A B C D E
 Other _____
Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER

Diameter	From	To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 14"	+1	0	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Liner: N/A				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Drive Shoe used Inside Outside None
Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS
 Perforations Method N/A
 Screens Type _____ Material _____

From	To	Slot Size	Number	Diameter	Tele/pipe size	Casing	Liner
						<input type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour
 Pump Bailor Air Flowing Artesian
Yield gal/min N/A Drawdown _____ Drill stem at _____ Time _____

Temperature of water N/A Depth Artesian Flow Found _____
Was a water analysis done? Yes By whom _____
Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
Depth of strata: _____

(9) LOCATION OF WELL (legal description)
County Multnomah
Tax Lot 400 Lot _____
Township 1 N Range 1 E WM
Section 4 SW 1/4 NW 1/4

Lat _____ " or _____ (degrees or decimal)
Long _____ " or _____ (degrees or decimal)

Street Address of Well (or nearest address) Heron Lakes Golf Course
3500 N. Victory Blvd. Portland, OR 97217

(10) STATIC WATER LEVEL
12 ft. below land surface. Date 10-16-06
_____ ft. below land surface. Date _____
Artesian pressure _____ lb. per square inch Date _____

(11) WATER BEARING ZONES
Depth at which water was first found N/A

From	To	Estimated Flow Rate	SWL
N/A			

(12) WELL LOG Ground Elevation _____

Material	From	To	SWL
This old well did not have a surface seal. W.R.D. required the city to install a surface seal around the casing & extend the casing 12" above ground surface. No work or inspection was performed on the interior of the well.			

Westerberg Drilling, Inc.
36728 S. Kropf Rd.
Molalla, OR 97038

Date Started 10-12-06 Completed 10-13-06

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

(bonded) Water Well Constructor Certification
I accept responsibility for the construction, deepening, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon water supply well construction standards. This report is true to the best of my knowledge and belief.
WWC Number 888 Date 11-14-06
Signed Stevens N. Steinhilber

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WATER RESOURCES DEPT
SALEM, OREGON

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

WELL SCHEDULE

Date March, 1944 Field No. 11/15-451
Record by JWR District Office No. 4
Source of data J.W. Cunningham and Assoc., through Carl Green

1. Location: State Oregon County Wapinitia
Map Paxland Quad Vanport layout
SW 1/4 NW 1/4 sec. 4 T 1 NR 1 E W
2. Owner: Vanport (F.H.A.) Address _____
Tenant _____ Address _____

Driller R.H. Strasser Dr. Co. Address Portland, Ore
3. Topography Flood plain Columbia River
4. Elevation _____ ft. above _____ ft. below _____
5. Type: Dug (filled) driven, bored, jetted 1/13 1942
6. Depth: Rept. _____ ft. Mess. _____ ft.
7. Casing: Dia. _____ in., to _____ in., Type _____
Depth _____ ft., Finish pipe 115-130
8. Chief Aquifer Sand and gravel From 111 ft. to 136 ft.

		2	4

9. Water level 11 ft. rept. when drilled 1942 above _____ below _____
which is _____ ft. above surface _____ ft. below surface
10. Pump: Type Turbine Capacity 1,000 G. M.
Power: Kind Electric Panama Horsepower 50
11. Yield: Flow _____ G. M., Pump 1,000 G. M., Meas., Rept. Ent. _____
Drawdown 23 ft. after _____ hours pumping 1400 G. M.
12. Use: Dom., Stock (FS) RR., Ind., Irr., Obs.

Adequacy, permanence _____
13. Quality _____ Temp _____ °F
Taste, odor, color _____ Sample No. _____
Unfit for _____
14. Remarks: (Log, Analyses, etc.) See Log

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State: Oregon No. 11/15-451

Street: 1st District: _____
Attached to form 9-185: record of casing, perforations, and other data. (See page 10)

Material	Thick	Depth
<u>Clay</u>	<u>10</u>	<u>10</u>
<u>Silt and sand</u>	<u>40</u>	<u>50</u>
<u>Sand</u>	<u>41</u>	<u>91</u>
<u>Gravel with clay binder</u>	<u>20</u>	<u>111</u>
<u>Sand and gravel; water-bearing</u>	<u>7.5</u>	<u>136</u>

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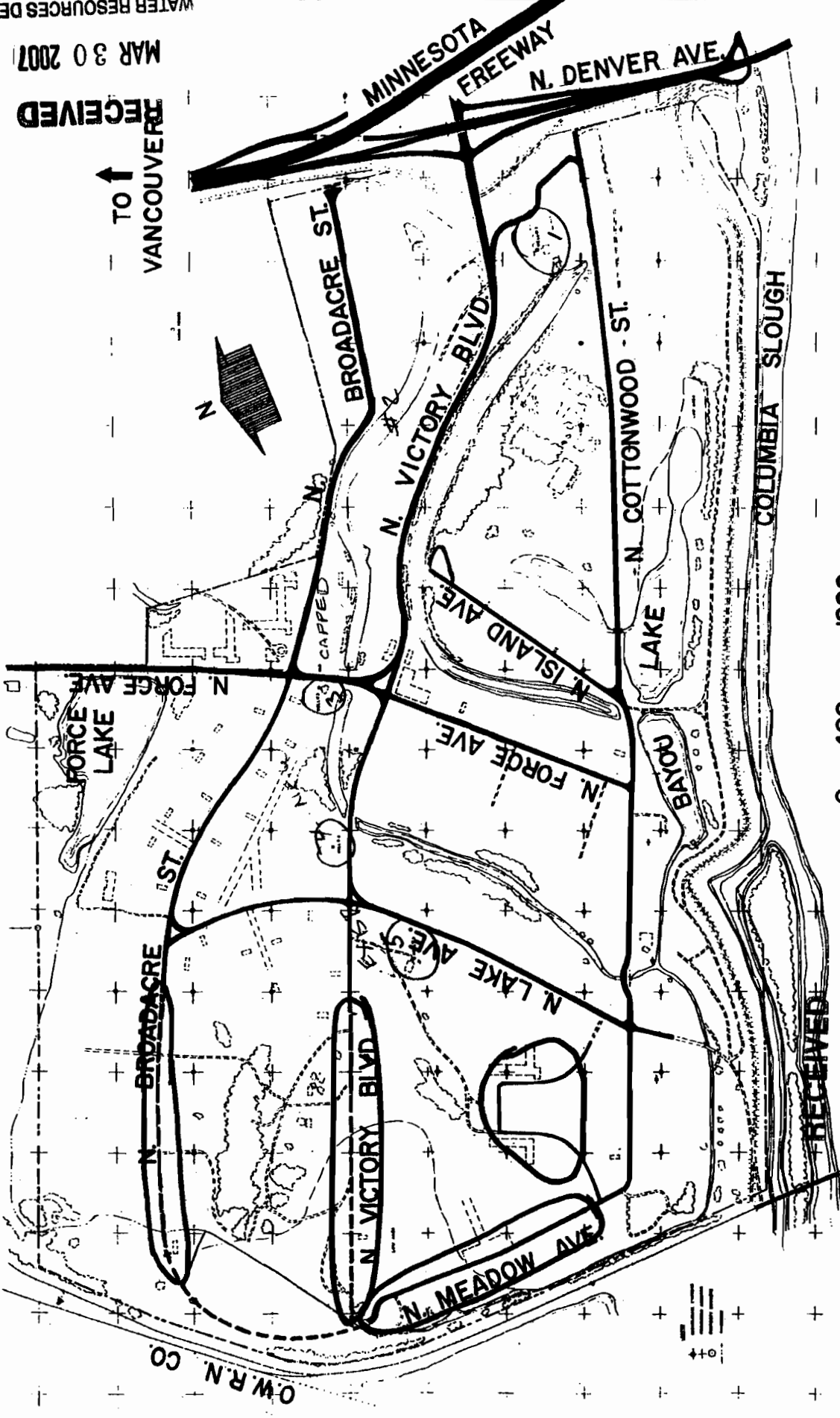
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SALEM, OREGON

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TO ↑
VANCOUVER



SCALE IN FEET

MAR 21 2007

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SALEM, OREGON

WEST DELTA PARK

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Wells drilled and logs furnished by R. J. Stredson Drilling Co., Portland, Oregon

WATER RESOURCES DEPT

John F. Stredson and Associates
Consulting Engineers, Portland, Oregon
December 16, 1948

Well No.	Casing diam.	Total Depth in Feet	Static Level	Perforations Depth in Feet	Test Pumping Depth in Feet	Depth in Feet	Well Log Material
1	12"	152	78	145-147	4'	1-5	Top soil
					8-8'	5-20	Clay & sand
					7'	20-30	Greenish sand
						50-121	Dark running sand
						121-152	Water bearing sand & gravel
2	12"	148	13	135-142	4-8'	1-5	Clay
					4-8'	5-85	Silt & sand
					6-81	95-115	Gravel with bluish water bearing
						115-157	Water bearing sand & gravel
3	12"	187	10	172-175	4'	1-5	Clay
					5'	5-85	Silt & sand
					6'	95-115	Gravel with bluish water bearing
						115-157	Water bearing sand & gravel
4	14"	156	11	145-150	4-8'	1-10	Clay
					5-81	10-81	Silt & sand
					6-81	81-111	Gravel with clay bind
						111-156	Water bearing sand & gravel
5	12"	165	8	155-160	5'	1-12	Clay
					6-2	12-86	Silt & sand
						86-104	Gravel & sand
						104-125	Water bearing sand & gravel

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SALEM, OREGON

Test pumped
10-8-48

Test pumped
10-22-48

Test pumped
11-15-48

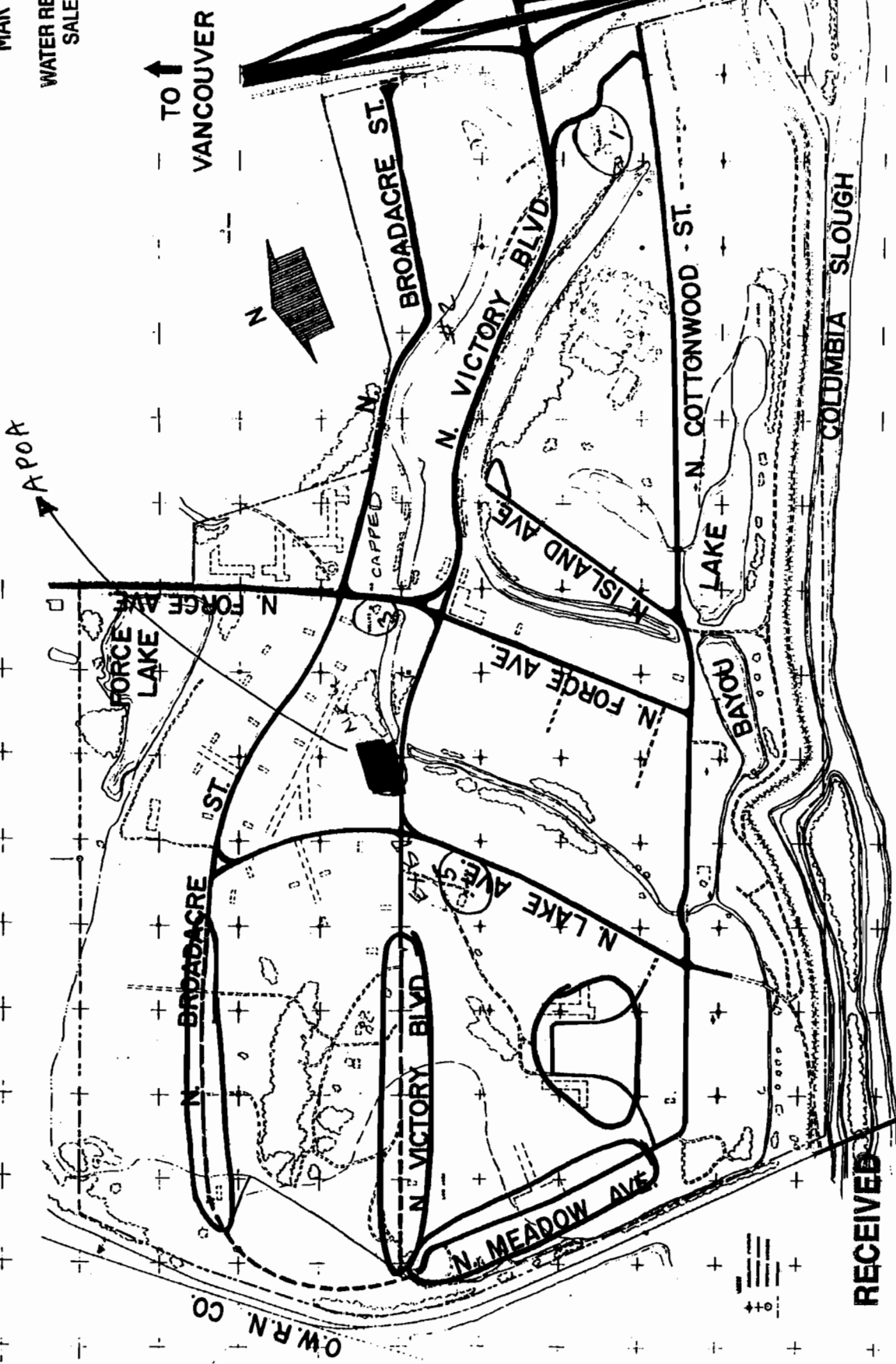
Test pumped
12-1-48

WATER RESOURCES DEPT

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WATER RESOURCES DEPT
SALEM, OREGON



TO ↑
VANCOUVER

WEST DELTA PARK



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SALEM, OREGON