

Name George Walker
~~XX~~ ANDREW JAMES, UNICORPORATED, Agent Pres.
Address 20276 South Oakmont Lane
Oregon City, OR, 97045 - 9455

Application No. G11984 *D*
Permit No. G11453
Certificate No. 72402

Stream Index, Page No. 2.192

Date filed November 7, 1989

Priority

Action suspended until DK Cert

Return to applicant

Date of approval

02.1190.0230

Check R

FEEES PAID

Date	Amount	Receipt No.
<i>11/7/89</i>	<i>\$200.00</i>	<i>59653</i>
<i>1-10-92</i>	<i>100.00</i>	<i>82460</i>
Cert. Fee		
FEEES REFUNDED		
Date	Amount	Check No.

ASSIGNMENTS

Date	To Whom	Address	Volume	Page

CONSTRUCTION

Date for beginning MAR 23 1993

Date for completion OCT 1 1994

Extended to

Date for application of water OCT 1 1995

Extended to

REMARKS

CWRE-128 sent 5/31/92
CWRE-REM sent 1-28-93

PROSECUTION OF WORK

Form "A" filed

Form "B" filed

Form "C" filed April 27, 1992

FINAL PROOF

Blank mailed

Proof received

Date certificate issued JUL 08 1996

IMPORTANT—This form is a notice to the Water Resources Director that permittee is ready to make **final proof** to the extent to which the water has actually been applied to the intended use under the terms of the permit. Permittee is cautioned that Certificate of Water Right will be issued based on the extent of the quantity and use as determined by the **final proof** inspection and survey which will be made in response to the filing of this Form C.

NOTE: In the case of an irrigation permit, this Form C should not be mailed to the Water Resources Department until all of the land described in the permit, which it is intended to irrigate under this permit at any time, has actually been irrigated.

Print out, detach and mail to the Water Resources Department, Salem, OR 97310, when all of the water has been applied.

Application No. 611984

NOTICE OF COMPLETE APPLICATION OF WATER TO A BENEFICIAL USE

GEORGE WALKER, the holder of Permit No. 611453

to appropriate the public waters of the state of Oregon, completely applied the waters to a beneficial use in accordance with the terms of said permit, on the 27th day of April, 1992

Remarks: _____

IN WITNESS WHEREOF, I have hereunto set my hand this 27th day of April, 1992

Chad Walker Teuster
(Signature of Applicant)

20276 S. OAKMONT LANE
OREGON CITY (Address) ORE. 97045-9435

RECEIVED

APR 27 1992

WATER RESOURCES DEPARTMENT
SALEM, OREGON

WCM

APPROPRIATE IN '40'S

STATE OF OREGON
COUNTY OF CLACKAMAS
CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

GEORGE WALKER
ANDREW JAMES, UNICORPORATED, AGENT PRESIDENT
20276 SOUTH OAKMONT LANE
OREGON CITY, OREGON 97045-9455

confirms the right to use the waters of A WELL in the CLACKAMAS RIVER BASIN for IRRIGATION OF 4.5 ACRES.

This right was perfected under Permit G-11453. The date of priority is NOVEMBER 7, 1989. The amount of water to which this right is entitled is limited to an amount actually beneficially used and shall not exceed 25.25 GALLONS PER MINUTE, or its equivalent in case of rotation, measured at the point of diversion from the source.

The well is located as follows:

NW 1/4 SW 1/4, AS PROJECTED WITHIN DLC 41, SECTION 21, T 2 S, R 3 E, W.M.; 329 FEET NORTH AND 262 FEET WEST FROM SW 1/16 CORNER OF SECTION 21.

The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, is 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 2.5 acre-feet per acre for each acre irrigated during the irrigation season of each year.

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

A description of the place of use to which this right is appurtenant is as follows:

NE 1/4 SW 1/4 . 1.75 ACRES
NW 1/4 SW 1/4 . 2.75 ACRES
AS PROJECTED WITHIN DLC 41
SECTION 21
TOWNSHIP 2 SOUTH, RANGE 3 EAST, W.M.

The well shall be maintained in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon.

When required by the department, the user shall install and maintain a weir, meter or other suitable measuring device and shall keep a complete record of the amount of ground water withdrawn.

The use of water shall be limited when it interferes with the prior SURFACE OR GROUNDWATER rights of others.

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


This right 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.

SEE NEXT PAGE

G-11984.GJT

The right to use water for the above purpose is restricted to beneficial use on the lands or place of use described.

WITNESS the signature of the Water Resources Director, affixed JULY 8 , 1996.


for Martha O. Page

Recorded in State Record of Water Right Certificates numbered 72402.

BASIN 2

VOLUME CLACKAMAS RIVER WELLS

DISTRICT 16

G-11984.GJT

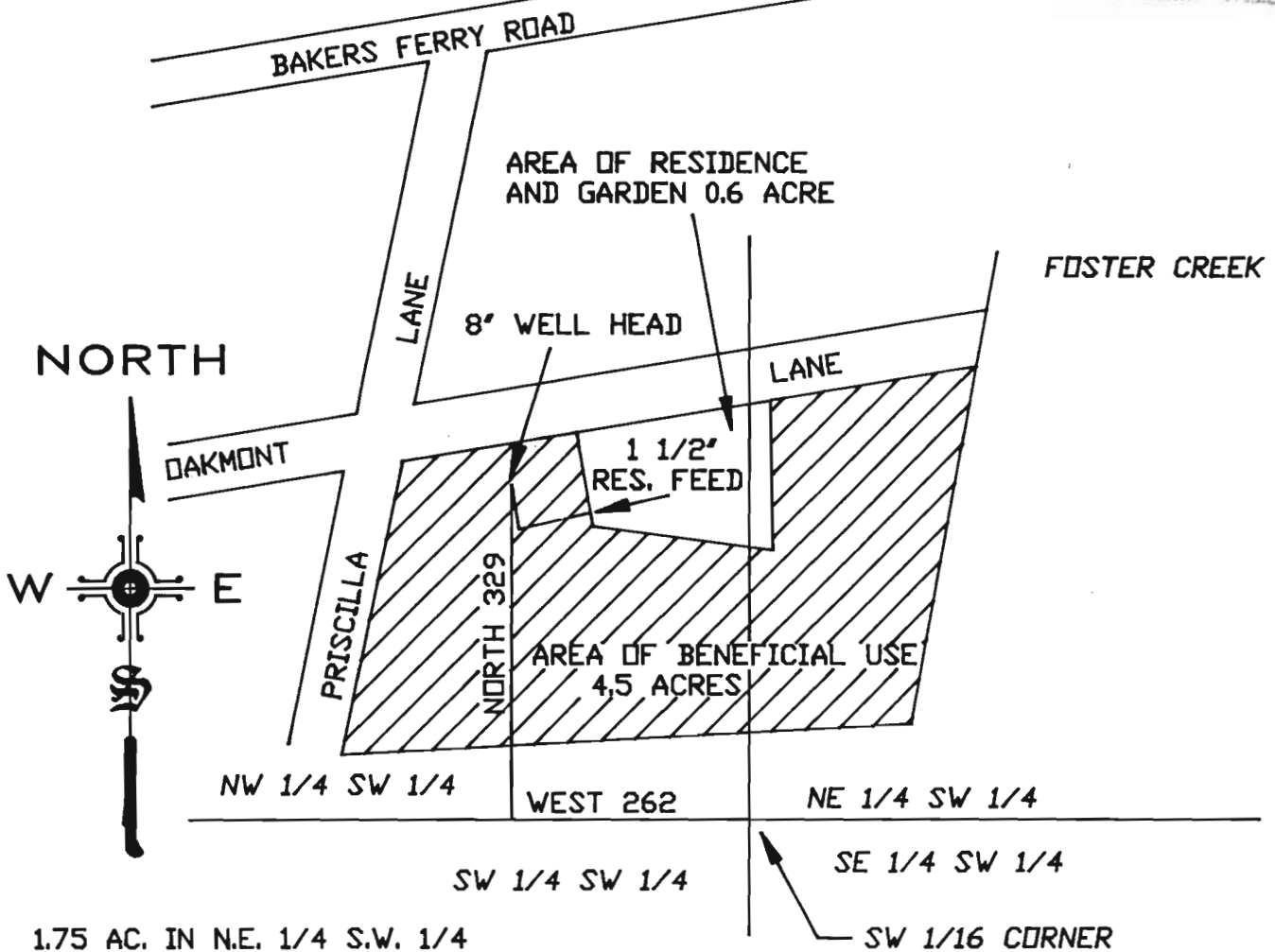
T.2S., R.3E., W.B.&M

SECTION 21

RECEIVED

FEB 17 1993

WATER RESOURCES DEPT
SALEM, OREGON



1.75 AC. IN N.E. 1/4 S.W. 1/4
2.75 AC. IN N.W. 1/4 S.W. 1/4

SCALE: 1"=200'

FINAL PROOF SURVEY

UNDER
APPLICATION NO. G11984 PERMIT NO. 11453
IN THE NAME OF

GEORGE WALKER —
ANDREW JAMES
UNINCORPORATED

Russell A. Lawrence
STATE OF OREGON

WILLAMETTE LAND SERVICES

15080 S. FORSYTHE RD.
OREGON CITY, OR. 97045
(503) 657-0196

SURVEYED OCTOBER 13, 1989
BY RUSSELL A. LAWRENCE
CWRE 175

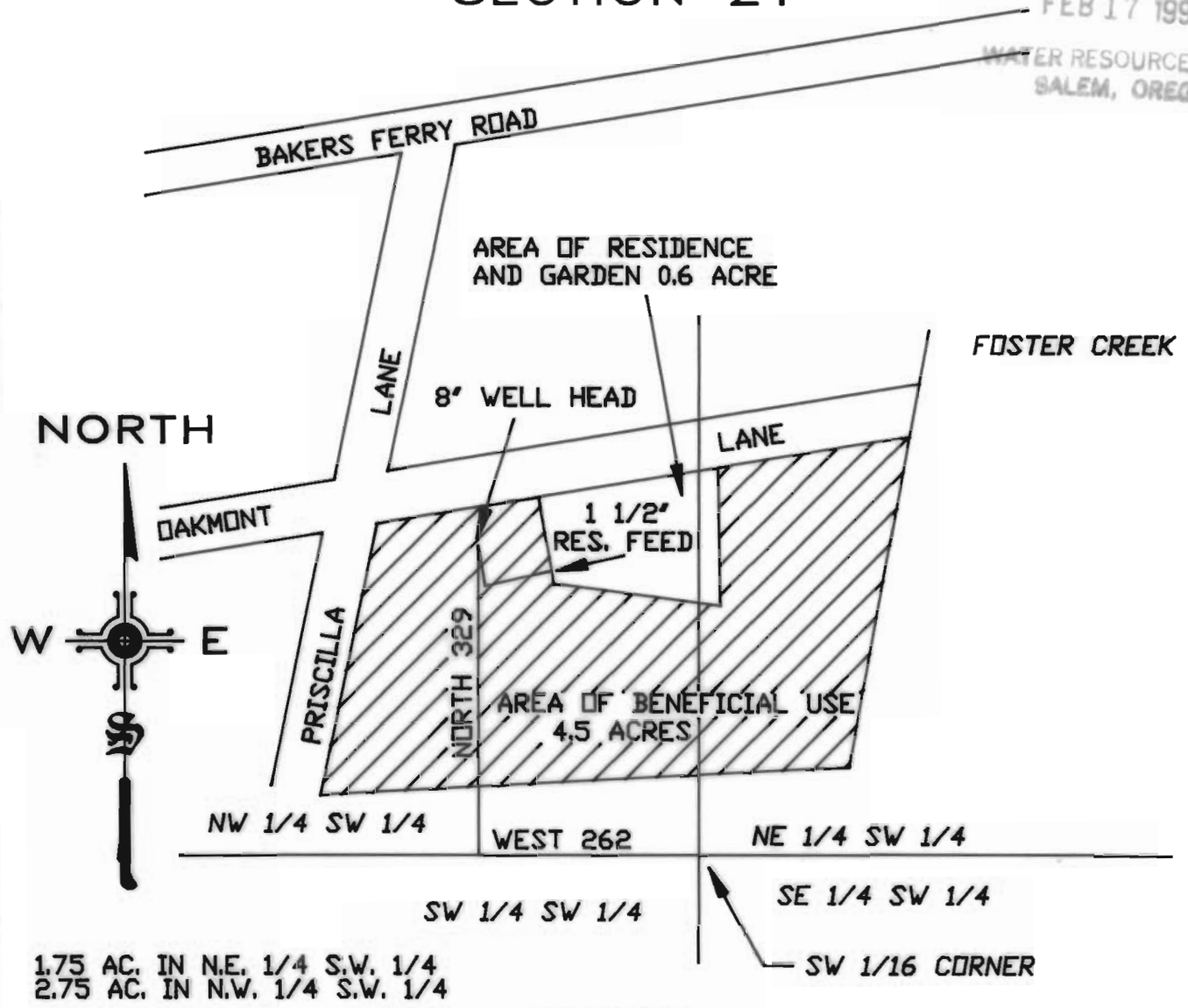
JOB 441
DATE: 04-27-92 PAGE: 1 OF 1

T.2S., R.3E., W.B.&M.
SECTION 21

RECEIVED

FEB 17 1993

WATER RESOURCES DEPT
SALEM, OREGON



1.75 AC. IN N.E. 1/4 S.W. 1/4
2.75 AC. IN N.W. 1/4 S.W. 1/4

SCALE: 1"=200'

FINAL PROOF SURVEY
UNDER
APPLICATION NO. G11984 PERMIT NO. 11453
IN THE NAME OF
**GEORGE WALKER —
ANDREW JAMES
UNINCORPORATED**



WILLAMETTE LAND SERVICES

15080 S. FORSYTHE RD.
OREGON CITY, OR. 97045
(503) 657-0196

SURVEYED OCTOBER 13, 1989
BY RUSSELL A. LAWRENCE
CWRE 175

OK
FINAL
REV 6/26/96

STATE OF OREGON
COUNTY OF CLACKAMAS
CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

GEORGE WALKER
ANDREW JAMES, UNICORPORATED, AGENT PRESIDENT
20276 SOUTH OAKMONT LANE
OREGON CITY, OREGON 97045-9455

confirms the right to use the waters of A WELL in the CLACKAMAS RIVER BASIN for IRRIGATION OF 4.5 ACRES.

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The well is located as follows:

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

A description of the place of use to which this right is appurtenant is as follows:

NE 1/4 SW 1/4 1.75 ACRES
NW 1/4 SW 1/4 2.75 ACRES
AS PROJECTED WITHIN DLC 41
SECTION 21
TOWNSHIP 2 SOUTH, RANGE 3 EAST, W.M.

The well shall be maintained in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon.

When required by the department, the user shall install and maintain a weir, meter or other suitable measuring device and shall keep a complete record of the amount of ground water withdrawn.

The use of water shall be limited when it interferes with the prior SURFACE OR GROUNDWATER rights of others.

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

This right 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.

SEE NEXT PAGE

The right to use water for the above purpose is restricted to beneficial use on the lands or place of use described.

WITNESS the signature of the Water Resources Director, affixed JULY , 1996.

Martha O. Pagel

Recorded in State Record of Water Right Certificates numbered XXX.

BASIN 2

VOLUME CLACKAMAS RIVER WELLS

DISTRICT 16

G-11984.GJT

OK
Final
JJA
6/24/96

STATE OF OREGON
COUNTY OF CLACKAMAS

~~PROPOSED~~ CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

GEORGE WALKER
ANDREW JAMES, UNICORPORATED, AGENT PRESIDENT
20276 SOUTH OAKMONT LANE
OREGON CITY, OREGON 97045-9455

confirms the right to use the waters of A WELL in the CLACKAMAS RIVER BASIN for IRRIGATION OF 4.5 ACRES.

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The amount of water used for irrigation 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 (or its equivalent) and 2.5 acre-feet for each acre irrigated during the irrigation season of each year.

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

A description of the place of use to which this right is appurtenant is as follows:

~~DELETED~~ ~~LOT 3~~ NE 1/4 SW 1/4 1.75 ACRES
~~LOT 4~~ NW 1/4 SW 1/4 2.75 ACRES
AS PROJECTED WITHIN DLC 41
SECTION 21
TOWNSHIP 2 SOUTH, RANGE 3 EAST, W.M.

The well shall be maintained in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon.

When required by the department, the user shall install and maintain a weir, meter or other suitable measuring device and shall keep a complete record of the amount of ground water withdrawn.

The use of water shall be limited when it interferes with the prior SURFACE OR GROUNDWATER rights of others.

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

This right 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.

The right to use water for the above purpose is restricted to beneficial use on the lands or place of use described.

BASIN 2 VOLUME CLACKAMAS RIVER WELLS DISTRICT 16

RECEIVED

MAR 25 1993

WATER RESOURCES DEPT
SALEM, OREGON

Willamette Land Services
15080 S. Forsythe Rd.
Oregon City, Or. 97045
March 14, 1993

Mr. George Walker
20276 S. Oakmont Ln.
Oregon City, Or. 97045-9455

re: Claim of Beneficial Use

Dear Mr. Walker:

Enclosed you will find the site report we have compiled and the claim for beneficial use. Please review this document and if you find it to be correct, execute the claim of beneficial use and forward it to the Water Resources Department.

If you find any discrepancies, please give me a call so that we can address them right away.

Very truly yours,



Russell a. Lawrence

CLAIM OF BENEFICIAL USE AND SITE REPORT
Application No. G11984 Permit No. 11453

INFORMATION:

Permittee: Andrew James, unincorporated Business Organization
Trust

George Walker, Trustee
20276 S. Oakmont Ln.
Oregon City, Or. 97045-9455
Phone: (503) 631-8765

Mr. George Walker present at inspection of system by R. A.
Lawrence CWRE 175

SOURCE:

An 8 inch well; drilling completed on December 29, 1988

DIVERSION POINT:

Diversion point is an 8 inch well supplying a 3" buried PVC manifold.

The well was drilled by Marvin Skyles, Ore. Driller Lic. 553, Skyles Drilling Inc., Oregon City, Or. The well is 129 feet deep and is located in the N.E. 1/4 of the S.W. 1/4 SEC. 21, T.2S., R.3E., WB&M, Clackamas County, Oregon. The well consists of 8 5/8 inch steel casing with water available to 124 feet below well head. The casing has a threaded access hole for measurement of static and draw down levels.

An aquifer test was performed by the Water Resources Board on July 17, 1991. At that time 73 GPM was pumped for 5 continuous hours with water levels being monitored. 2.25 hours after test pumping ceased the well had recovered 90% of the draw down. The total draw down went from 48.78 feet below well head at start to 98.19 feet at the end of the pumping test (5 hrs). Recovery level at 2.25 hours after pumping stopped was 69 feet.

MOTOR:

5 h.p. Franklin electrical motor, 3450 rpm.

PUMP:

80 gpm, 6 inch Flint & Walling Model 6P080A05 submersible, 3" discharge, direct drive.

PIPE:

The distribution manifold consists of 840 linear feet of 3 inch schedule 40 P.V.C. pipe. This manifold supplies 21 3 inch valved

irrigation risers and a 1 1/2 inch domestic supply line. Actual application of water is accomplished by means of 3 inch portable aluminum sprinkler pipe. There are 35 joints of pipe with sprinkler heads attached and 5 joints without heads, a total of 1390 feet of pipe.

HEADS:

The sprinkler heads are an assortment consisting of:

- 1 ea. Rainbird model 25 with 9/64 inch nozzle.
- 4 ea. Rainbird model 30 with 1/8 inch with 3/32 inch 7° push nozzle.
- 1 ea. Rainbird model 30 with 11/64 inch with 5/32 inch 20° push nozzle.
- 5 ea. Rainbird model 35A with 1/8 inch nozzle.
- 14 ea. Rainbird model 35A with 5/32 inch nozzle.
- 1 ea. Buckner model 185 3/16 inch nozzle.
- 6 ea. Raintrol model 200 1/8 inch nozzle with 3/32 inch 7° push nozzle.
- 2 ea. Raintrol model 200 1/8 inch nozzle with 3/32 inch 20° push nozzle.
- 1 ea. Raintrol model 201 1/8 inch nozzle with 3/32 inch 7° push nozzle.

The maximum number of heads run has been 16 (assorted heads) run on the test cited above. During that test, a constant head of 30 p.s.i. was maintained. The pressure was taken at the on/off controller approximately 150 feet from the well head.

Normal operations provide no more than 25.25 GPM application to the site. This can be attained through any number of combinations of the sprinkler heads available. Manufacturer's recommendations govern the combination heads to be used. 3 to 6 heads are the normal range of sprinklers used.

USE:

Irrigation for hay and pasture and domestic use such as gardening, and household needs.

LIFT:

The well head is approximately 1 to 3 feet above the area of application. Lift differences are negligible.

CALCULATIONS:

Water delivery under the terms of this permit is preliminarily determined by referring to the manufacturer's published sprinkler head performance tables. After the system is set in place and activated, a stop watch and water meter in the system are used to verify the application as being within permitted quantities.

SURVEY TIE:

The government corner cited in the final proof survey is located by mathematical calculation utilizing existent surveys of record and County Survey records.

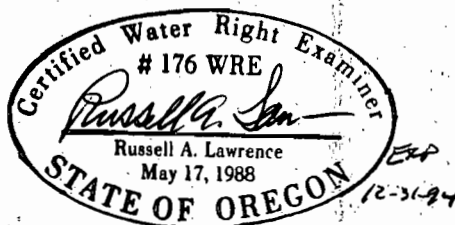
SPECIAL CONDITIONS:

There are no special conditions appurtenant to this permit.

REMARKS:

Irrigation from this source normally consists of 10 to 14 hours sprinkling per day with 16 to 20 days in an irrigation cycle. This cycle is normally performed as 3 to 4 days pumping with one or two days of resting the system, two to six cycles per year, depending on the weather. This source has also supplied neighbors on a temporary basis (up to three weeks) while their water systems were down.

The final proof survey and inspection of the use as found to be completed under the terms and conditions of permit No. 11453 was completed by me on April 26, 1992, and the facts contained in this report and accompanying final proof map are correct to the best of my knowledge.



I, George Walker, trustee for Andrew James, Unincorporated Business Organization Trust, agree to the findings of the CWRE and do submit this site report and map as my Claim of Beneficial Use of the water as provided under the terms and conditions of my permit No. 11453.

George Walker Trustee
Andrew James, Unincorporated Business Organization Trust.

CURE FU: TO: Russ Klassen
5/1/89

STATE OF OREGON

COUNTY OF CLACKAMAS

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

GEORGE WALKER
20276 SOUTH OAKMONT LANE
OREGON CITY, OREGON 97045

503-631-2233
503-246-2217

to use the waters of ONE WELL in the CLACKAMAS RIVER BASIN for IRRIGATION OF 4.5 ACRES.

This Permit is issued approving Application G-11984. The date of priority is NOVEMBER 7, 1989. The use is limited to not more than 25.25 GALLONS PER MINUTE, or its equivalent in case of rotation, measured at the well.

Shuld Socy

The well is located as follows:

NW 1/4 SW 1/4 SECTION 21, T-2-S, R-3-E, W.M.; 329 FEET NORTH AND 262 FEET WEST FROM SW 1/16 CORNER, SECTION 21.

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

A description of the proposed place of use under the permit is as follows:

NE 1/4 SW 1/4 1.75 ACRES
NW 1/4 SW 1/4 2.75 ACRES
SECTION 21
TOWNSHIP 2 SOUTH, RANGE 3 EAST, W.M.

The well shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works constructed shall include an air line and pressure gauge or an access port for a measuring line, adequate to determine water level elevation in the well at all times. When required by the department, the permittee shall install and maintain a weir, meter, or other suitable measuring device, and shall keep a complete record of the amount of ground water withdrawn.

NCR
RWC
8/10/93

Actual construction work shall begin on or before March 23, 1993, and shall be completed on or before October 1, 1994. Complete application of the water to the use shall be made on or before October 1, 1995.

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.

PAGE TWO

This development was reviewed and approved by the Water Resources Commission on November 15, 1991.

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

Issued this date, MARCH 23, 1992.

William H. Young
Water Resources Department
William H. Young, Director

APPLICATION G-11984 WATER RESOURCES DEPARTMENT
BASIN 2 VOLUME CLACKAMAS RIVER WELLS
G-11984.SCB

PERMIT G-11453
DISTRICT 16

CLAIM OF BENEFICIAL USE AND SITE REPORT
Application No. G11984 Permit No. 11453

INFORMATION:

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Trust

George Walker, Trustee
20276 S. Oakmont Ln.
Oregon City, Or. 97045-9455
Phone: (503) 631-8765

Mr. George Walker present at inspection of system by R. A.
Lawrence CWRE 175

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17, 1991. At that time 73 GPM was pumped for 5 continuous hours
with water levels being monitored. 2.25 hours after test pumping
ceased the well had recovered 90% of the draw down. The total draw
down went from 48.78 feet below well head at start to 98.19 feet at
the end of the pumping test (5 hrs). Recovery level at 2.25 hours
after pumping stopped was 69 feet.

MOTOR:

5 h.p. Franklin electrical motor, 3450 rpm.

PUMP:

80 gpm, 6 inch Flint & Walling Model 6P080A05 submersible, 3"
discharge, direct drive.

PIPE:

The distribution manifold consists of 840 linear feet of 3 inch
schedule 40 P.V.C. pipe. This manifold supplies 21 3 inch valved

irrigation risers and a 1 1/2 inch domestic supply line. Actual application of water is accomplished by means of 3 inch portable aluminum sprinkler pipe. There are 35 joints of pipe with sprinkler heads attached and 5 joints without heads, a total of 1390 feet of pipe.

HEADS:

The sprinkler heads are an assortment consisting of:

- +1 ea. Rainbird model 25 with 9/64 inch nozzle. *2.9*
- +4 ea. Rainbird model 30 with 1/8 inch with 3/32 inch 7° push nozzle. *2.4 + 1.4 = 3.8*
- +1 ea. Rainbird model 30 with 11/64 inch with 5/32 inch 20° push nozzle. *3.8 + 4.6 = 8.4*
- +5 ea. Rainbird model 35A with 1/8 inch nozzle. *(2.4)5 = 12*
- +14 ea. Rainbird model 35A with 5/32 inch nozzle. *(3.2)12 = 38.4*
- +1 ea. Buckner model 185 3/16 inch nozzle. *5.5*
- +6 ea. Raintrol model 200 1/8 inch nozzle with 3/32 inch 7° push nozzle. *2.4 + 1.4 = 3.8*
- +2 ea. Raintrol model 200 1/8 inch nozzle with 3/32 inch 20° push nozzle. *2.4 + 1.4 = 3.8*
- +1 ea. Raintrol model 201 1/8 inch nozzle with 3/32 inch 7° push nozzle. *2.4 + 1.4 = 3.8*

40.3.54 gpm
0.13 cfs
56.64 gpm

The maximum number of heads run has been 16 (assorted heads) run on the test cited above. During that test, a constant head of 30 p.s.i. was maintained. The pressure was taken at the on/off controller approximately 150 feet from the well head. *103.8*

Normal operations provide no more than 25.25 GPM application to the site. This can be attained through any number of combinations of the sprinkler heads available. Manufacturer's recommendations govern the combination heads to be used. 3 to 6 heads are the normal range of sprinklers used.

USE:

Irrigation for hay and pasture and domestic use such as gardening, and household needs.

LIFT:

The well head is approximately 1 to 3 feet above the area of application. Lift differences are negligible.

CALCULATIONS:

Water delivery under the terms of this permit is preliminarily determined by referring to the manufacturer's published sprinkler head performance tables. After the system is set in place and activated, a stop watch and water meter in the system are used to verify the application as being within permitted quantities.

SURVEY TIE:

The government corner cited in the final proof survey is located by mathematical calculation utilizing existent surveys of record and County Survey records.

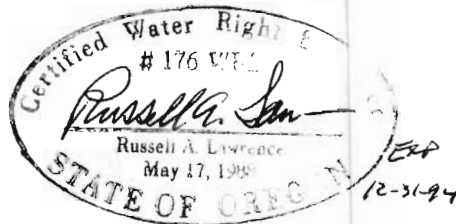
SPECIAL CONDITIONS:

There are no special conditions appurtenant to this permit.

REMARKS:

Irrigation from this source normally consists of 10 to 14 hours sprinkling per day with 16 to 20 days in an irrigation cycle. This cycle is normally performed as 3 to 4 days pumping with one or two days of resting the system, two to six cycles per year, depending on the weather. This source has also supplied neighbors on a temporary basis (up to three weeks) while their water systems were down.

The final proof survey and inspection of the use as found to be completed under the terms and conditions of permit No. 11453 was completed by me on April 26, 1992, and the facts contained in this report and accompanying final proof map are correct to the best of my knowledge.

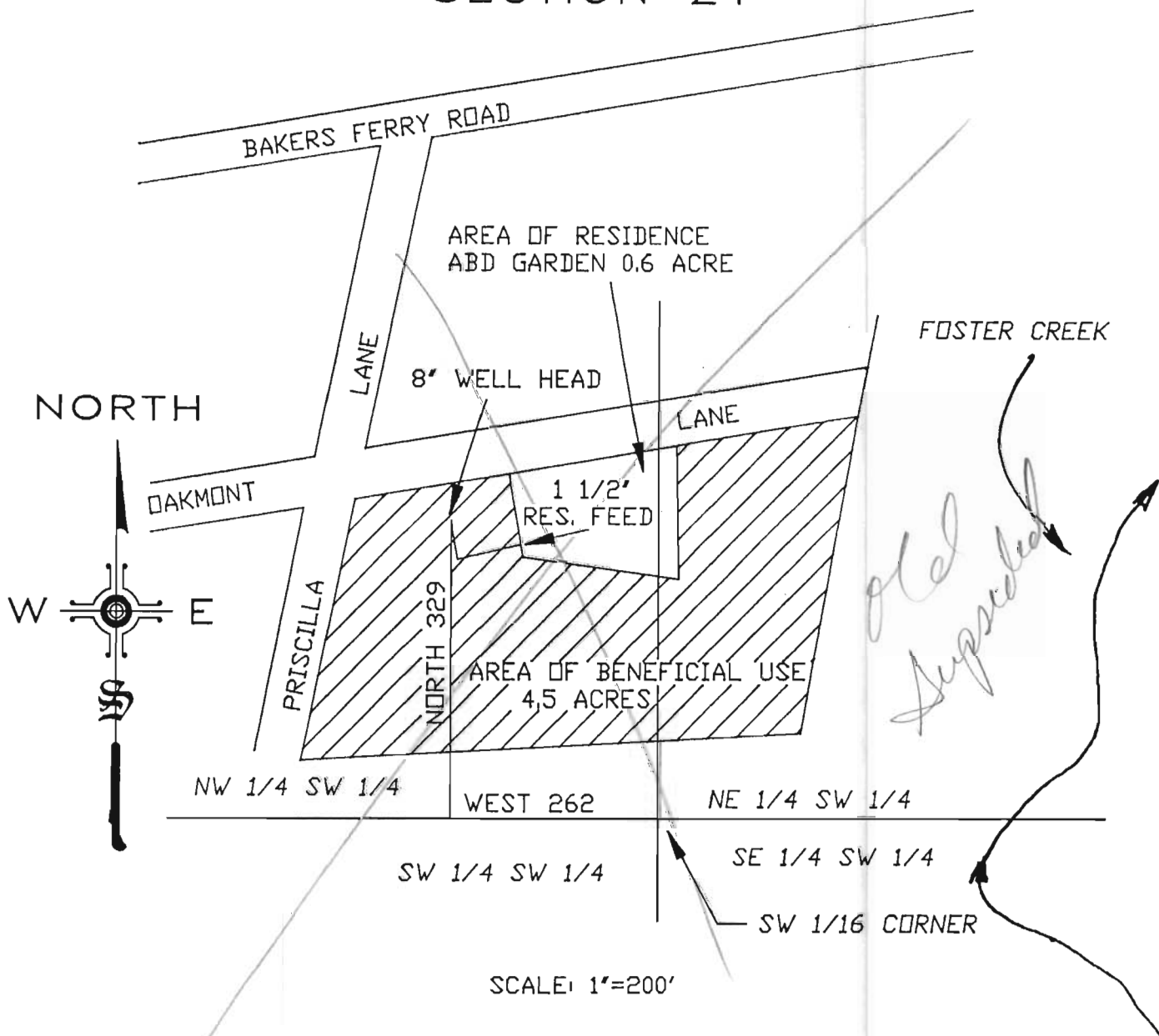


I, George Walker, trustee for Andrew James, Unincorporated Business Organization Trust, agree to the findings of the CWRE and do submit this site report and map as my Claim of Beneficial Use of the water as provided under the terms and conditions of my permit No. 11453.

George Walker Trustee

Andrew James, Unincorporated Business Organization Trust.

T.2S., R.3E., W.B.&M.
SECTION 21



FINAL PROOF SURVEY

UNDER
APPLICATION NO. G11984 PERMIT NO. _____
IN THE NAME OF

GEORGE WALKER —
ANDREW JAMES
UNINCORPORATED

 WILLAMETTE LAND SERVICES

15080 S. FORSYTHE RD.
OREGON CITY, OR. 97045
(503) 657-0196

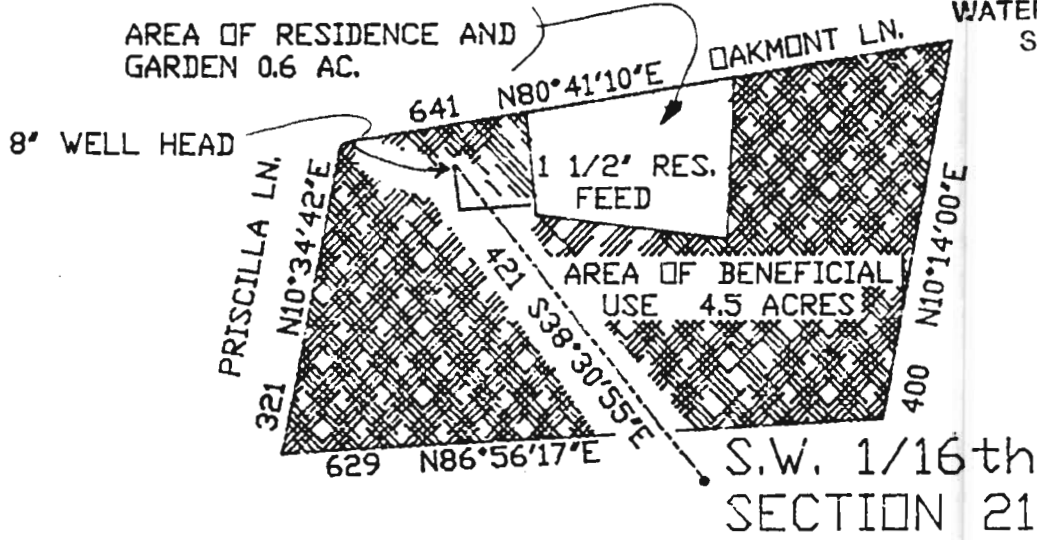
SURVEYED OCTOBER 13, 1989
BY RUSSELL A. LAWRENCE
CWRE 175

S.W. 1/4 SECTION 21
T.2S., R.3E., W.B.&M.

RECEIVED

NOV 07 1989

WATER RESOURCES DEPT.
SALEM, OREGON



LEGEND:

■ AREA OF BENEFICIAL USE

--- SECTION CORNER TIE

Application No. **D-11984**
Permit No. **G11453**

APPLICATION SURVEY

for

GEORGE WALKER
ANDREW JAMES
UNINCORPORATED



SCALE
1"=200'

SURVEYED OCTOBER 13, 1989
BY RUSSELL A LAWRENCE

R.A. LAWRENCE & ASSOCIATES, INC.
 3001 WILLAMETTE FALLS DRIVE
 WEST Linn, OREGON 97088
 PHONE (503) 868-8804
 ACCT. 841

INFO: PERSONAL OBS

AS REPORTED - PASTURE

Russell V. Khan
LRI 7/27/95

August 18, 1993

Russell A. Lawrence
15080 South Forsythe Road
Oregon City, Oregon 97045

Dear Mr. Lawrence:

REFERENCE: File G-11984

A routine inspection of the Final Proof Map and Beneficial Use Report for the above referenced water right was conducted. During the inspection it was noted that the map did not include the John Foster DLC 41, and that the acreages were not calculated separately for the NW 1/4 of the SW 1/4 and the NE 1/4 SW 1/4, and that your stamp was missing. Your CWRE number was typed on the map, but it was a different number from that found stamped on the report.

Please fix the above mentioned problems and resubmit the map. If you have any questions, feel free to call me at (503) 378-8455 extension 309.

Sincerely,

Russell W. Klassen
Water Rights Inspector

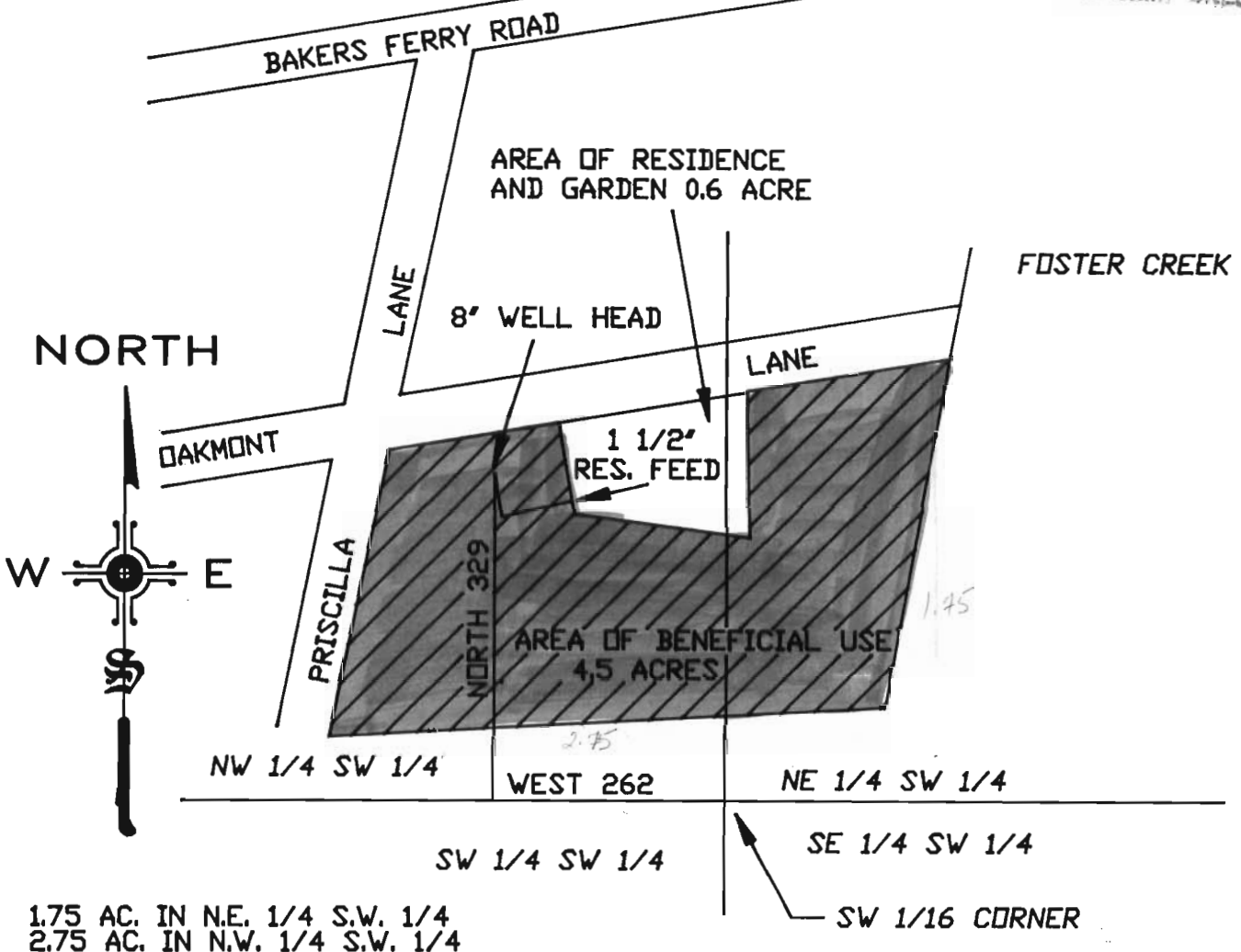
T.2S., R.3E., W.B.&M.

SECTION 21

RECEIVED

FEB 17 1993

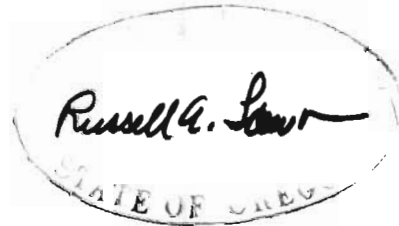
WATER RESOURCES DEPT
SALEM, OREGON



FINAL PROOF SURVEY

UNDER
APPLICATION NO. G11984 PERMIT NO. 11453
IN THE NAME OF

GEORGE WALKER —
ANDREW JAMES
UNINCORPORATED



WILLAMETTE LAND SERVICES

15080 S. FORSYTHE RD.
OREGON CITY, OR. 97045
(503) 657-0196

SURVEYED OCTOBER 13, 1989
BY RUSSELL A. LAWRENCE
CWRE 175

JOB 441
DATE: 04 -27 -92 PAGE: 1 OF 1

MAP REVIEW

- ~~✓~~ source and trib
- ~~✓~~ diversion point location
- ~~✓~~ conveyances (pipes, ditch, etc.)
- ~~✓~~ place of use
- ~~✓~~ scale
- ~~✓~~ township, range, section
- ~~✓~~ north arrow
- ~~✓~~ CWRE stamp
- ~~✓~~ disclaimer
- ~~✓~~ date survey was performed
- ~~✓~~ P.O.B. of survey
- ~~✓~~ dimensions and capacity of diversion system
- ~~✓~~ "beneficial use" type title
- ~~✓~~ "permanent-quality" paper

REPORT

- ~~✓~~ permit conditions
- ~~✓~~ type of use
- ~~✓~~ extent of use
- ~~✓~~ rate and duty
- ~~✓~~ time limits
- ~~✓~~ (A,B,C and transfers)
- ~~✓~~ crop type
- ~~✓~~ system capacity
- ~~✓~~ (with computations)

Goopy Walker.

G 11984
←
8 11453 →

need
claim
map

631 22 33

CWAF
823
2195-

12/11/83
[Handwritten signatures]

STATE OF OREGON
COUNTY OF CLACKAMAS
PROPOSED CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

GEORGE WALKER
20276 SOUTH OAKMONT LANE
OREGON CITY, OREGON 97045

Andrew James, Unincorporated, Agent Pres.

confirms the right to use the waters of A WELL in the CLACKAMAS RIVER BASIN for IRRIGATION OF 4.5 ACRES.

This right was perfected under Permit G-11453. The date of priority is NOVEMBER 7, 1989. This right is limited to not more than 25.25 GALLONS PER MINUTE, or its equivalent in case of rotation, measured at the well.

*ed
walker*

The well is located as follows:

NW 1/4 SW 1/4, AS PROJECTED WITHIN DLC 41, SECTION 21, T 2 S, R 3 E, W.M.; 329 FEET NORTH AND 262 FEET WEST FROM SOUTHWEST 1/16 CORNER OF SECTION 21. *SW*

The amount of water used for irrigation 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 (or its equivalent) and 2.5 acre-feet for each acre irrigated during the irrigation season of each year.

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

A description of the place of use to which this right is appurtenant is as follows:

Lot 2 (NE 1/4 SW 1/4) 1.75 ACRES
Lot 3 (NW 1/4 SW 1/4) 2.75 ACRES
SECTION 21
~~Both~~ AS PROJECTED WITHIN DLC 41
TOWNSHIP 2 SOUTH, RANGE 3 EAST, W.M.

~~The well shall be maintained in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon.~~

The right to use water for the above purpose is restricted to beneficial use on the lands or place of use described.

The well shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. ~~The works constructed shall include an air line and pressure gauge or an access port for a measuring line, adequate to determine water level elevation in the well at all times.~~ When required by the department, the permittee shall install and maintain a weir, meter, or other suitable measuring device, and shall keep a complete record of the amount of ground water withdrawn.

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

This ^{Right} 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.

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

[Handwritten signature]

February 17, 1993

MR. RUSSELL A. LAWRENCE
15080 FORSYTHE ROAD
OREGON CITY, OREGON 97045

REFERENCE: File G-11984

We received the final proof map you submitted for permit G-11453 in the name of George Walker - Andrew James unincorporated.

You must submit a site report as part of the final proof and Claim of Beneficial Use.

If you have any questions please call the Water Rights section at 378-3739.

RECEIVED

FEB 10 1993

WATER RESOURCES DEPT.
SALEM, OREGON

Willamette Land Services
15080 S. Forsythe Rd.
Oregon City, Or 97045



Mr. George Walker
George Walker - Andrew James Unincorporated
Andrew James Agent President
20276 S. Oakmont Lane
Oregon City, Or. 97045

1st Letter
From Lawrence
To WRD
My Copy

Willamette Land Services
15080 S. Forsythe Road
Oregon City, Or. 97045
January 20, 1992

Mr. George Walker
George Walker-Andrew James Unincorporated
Andrew James Agent President
20276 S. Oakmont Lane
Oregon City, Or. 97045

Dear Mr. Walker;

Enclosed herewith you will find copies of the draft final proof map and letter sent to the Oregon Water Resources Board. I have expended 1.5 hours in it's preparation. I anticipate an additional 0.5 hours to make corrections the Board may require.

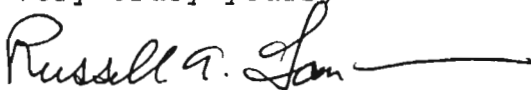
Please attend to the following to complete this account.

Preparation of Final Proof Map for Application G11984	
2.0 hours @ \$85.00 per hour	\$170.00

I will keep you apprised of communications received from the board within two working days of their arrival.

If you should have questions, please feel free to call me at 657-0196 after 6 P.M.

Very truly yours,



Russell A. Lawrence, CWRE

648-8678

Willamette Land Services
15080 S. Forsythe Road
Oregon City, Or. 97045
January 20, 1992

Mr. Steve Applegate, WRD
Mr. Donn Miller, WRD
Oregon Water Resource Department
3850 Portland Road NE
Salem, Or. 97310

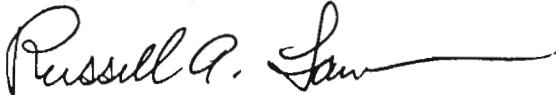
re: Application G11984

Gentlemen:

Enclosed you will find two copies of a draft Final Proof Survey map for your review and comments. I realize a mylar is required and these copies are paper. I do not have the permit number and would like to incorporate any corrections into a final product prior to placing on Mylar. At that time I will stamp the final map and submit for your files.

I appreciate your assistance.

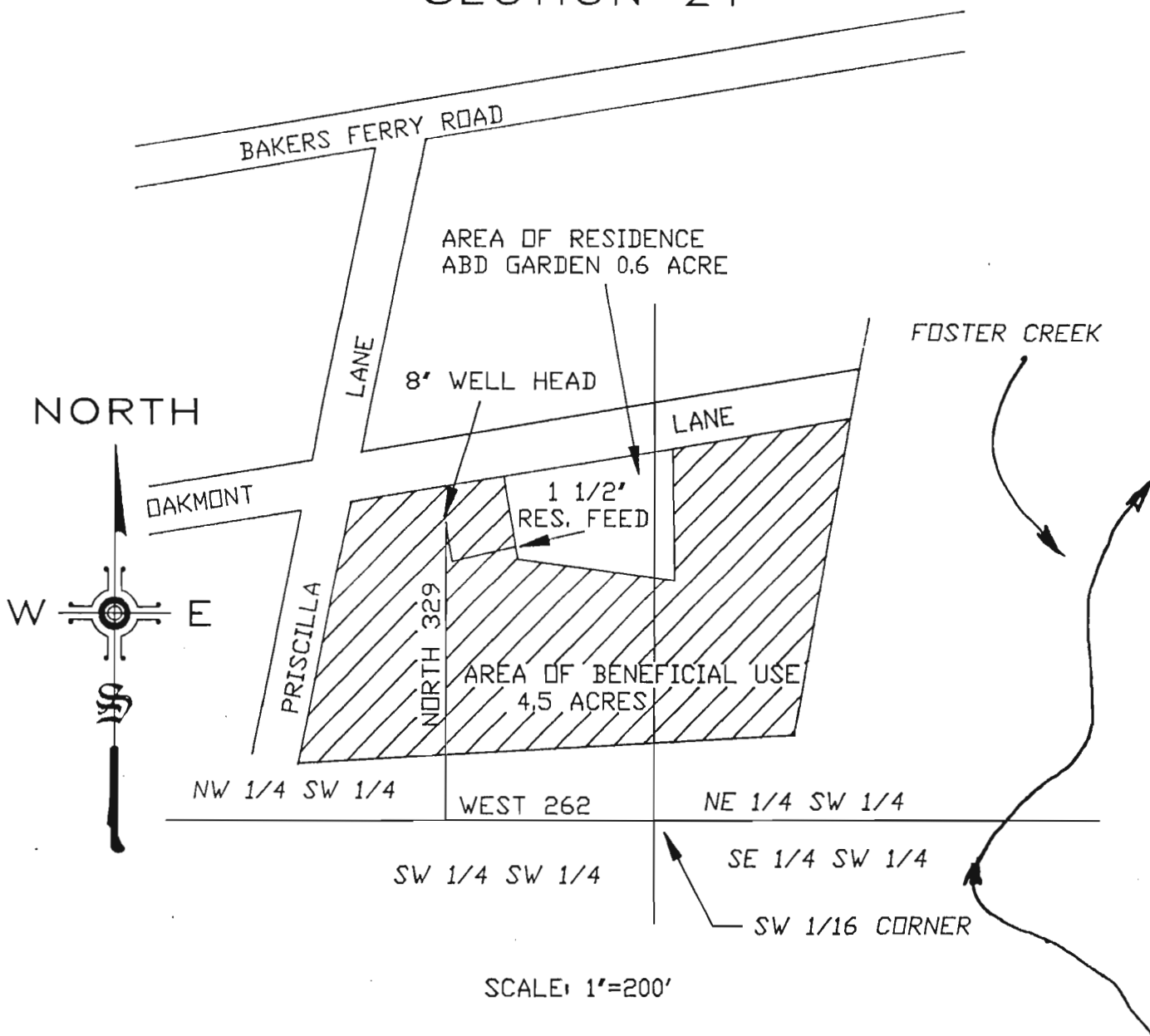
Very truly yours,

A handwritten signature in cursive script that reads "Russell A. Lawrence". The signature is written in dark ink and includes a long horizontal flourish extending to the right.

Russell A. Lawrence, CWRE

cc: George Walker

T.2S., R.3E., W.B.&M.
SECTION 21



FINAL PROOF SURVEY

UNDER
APPLICATION NO. G11984 PERMIT NO. _____
IN THE NAME OF

GEORGE WALKER —
ANDREW JAMES
UNINCORPORATED

WILLAMETTE LAND SERVICES

15080 S. FORSYTHE RD.
OREGON CITY, OR. 97045
(503) 657-0196

SURVEYED OCTOBER 13, 1989
BY RUSSELL A. LAWRENCE
CWRE 175

JOB 441
DATE: 01 -20 -92 PAGE: 1 OF 1

2nd Letter

RECEIVED

FEB 10 1993

WATER RESOURCES DEPT.
SALEM, OREGON

3-13-92 Called about 0925 Talked To Mr Miller



Water Resources Department

3850 PORTLAND ROAD NE
SALEM, OREGON 97310

CONSERVE WATER
FOR
OREGON'S FUTURE



PRESORTED
FIRST CLASS



2nd Letter
FROM WED

To MR
I Collier
L Dubois



Douk Morco

11453

March 4, 1992

George Walker
20276 S. Oakmont Lane
Oregon City, OR 97085

Reference: File G-11984

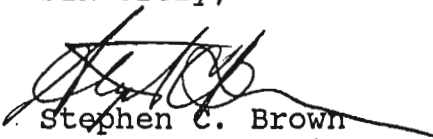
Dear Mr. Walker:

Please find enclosed receipt #82460 acknowledging the submittal of the permit recording fees in the amount of \$100.00.

The map prepared by the Mr. Lawrence does not adequately illustrate the acres to be irrigated in each quarter-quarter section. I have discussed this requirement with Mr. Lawrence and as of this date not received a proper map to support the application.

Unless an adequate map is submitted within thirty days from the date of this letter, I will recommend the rejection of the application and return any unearned fees.

Sincerely,


Stephen C. Brown
Senior Water Rights Specialist
Field Operations Division

cc: Applegate, Mize, Nunn, Dowden - WRD
Lawrence, CWRE

0689

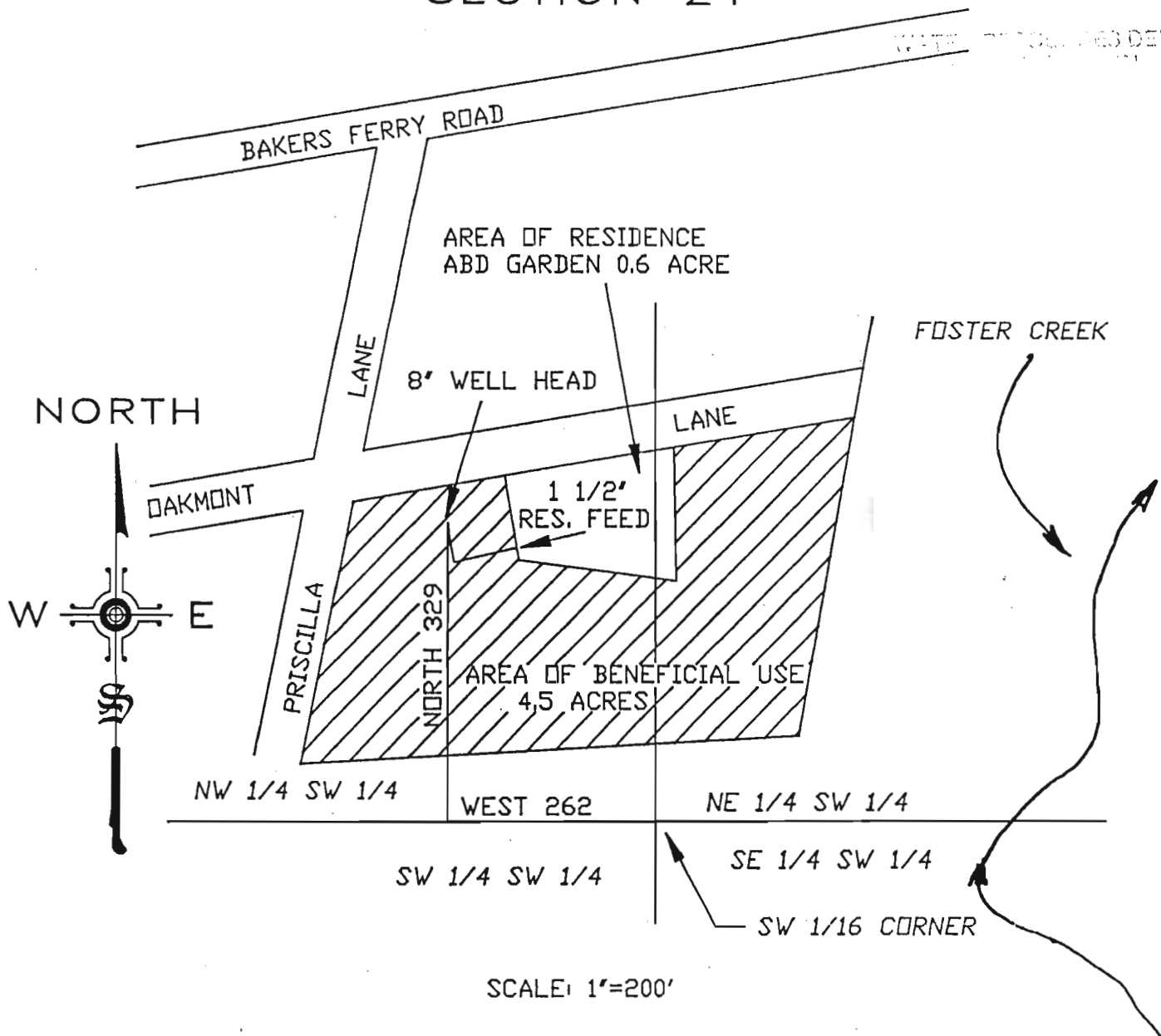


T.2S., R.3E., W.B.&M.

SECTION 21

JAN 29 1992

DATE OF SURVEY



SCALE: 1"=200'

FINAL PROOF SURVEY

UNDER
APPLICATION NO. G11984 PERMIT NO. _____
IN THE NAME OF

**GEORGE WALKER —
ANDREW JAMES
UNINCORPORATED**

WILLAMETTE LAND SERVICES

15080 S. FORSYTHE RD.
OREGON CITY, OR. 97045
(503) 657-0196

SURVEYED OCTOBER 13, 1989
BY RUSSELL A. LAWRENCE
CWRE 175

JOB 441

DATE: 01 -20 -92

PAGE: 1 OF 1

RECEIPT # 82460

STATE OF OREGON
WATER RESOURCES DEPARTMENT

3850 PORTLAND ROAD NE
SALEM, OR 97310
378-3739/378-8130 (FAX)

G

RECEIVED FROM: <u>George Philip Walker</u>	APPLICATION	11984
BY: _____	PERMIT	
	TRANSFER	

CASH: <input type="checkbox"/>	CHECK: # <input checked="" type="checkbox"/> <u>24-22</u>	OTHER: (IDENTIFY) <input type="checkbox"/>	TOTAL REC'D	\$ <u>100.00</u>
--------------------------------	---	--	-------------	------------------

01-00-0 WRD MISC CASH ACCT		
842.010	ADJUDICATIONS	\$
831.087	PUBLICATIONS/MAPS	\$
830.650	PARKING FEES Name/month _____	\$
_____	OTHER: (IDENTIFY) _____	\$

02-00-0 FEDERAL FUNDS		
_____	OTHER: (IDENTIFY) _____	\$

03-00-0 WRD OPERATING ACCT				
MISCELLANEOUS:				
840.001	COPY FEES			\$
880.109	MISC REVENUE: (IDENTIFY) _____			\$
520.000	OTHER (P-6): (IDENTIFY) _____			\$
WATER RIGHTS:				
842.001	SURFACE WATER	EXAM FEE	842.002	RECORD FEE
842.003	GROUND WATER	\$	842.004	\$ <u>100.00</u>
842.005	TRANSFER	\$	842.006	\$
WELL CONSTRUCTION				
842.022	WELL DRILL CONSTRUCTOR	EXAM FEE	842.023	LICENSE FEE
842.016	WELL DRILL OPERATOR	\$	842.019	\$
	LANDOWNER'S PERMIT	\$	842.024	\$

06-00-0 WELL CONST START FEE			CARD #
842.013	WELL CONST START FEE	\$	
	MONITORING WELLS	\$	

45-00-0 LOTTERY PROCEEDS		
864.000	LOTTERY PROCEEDS	\$

69001 SUSPENSE ACTIVITY		LIC NUMBER	
842.115	POWER LICENSE FEE(FW)		\$
842.115	HYDRO LICENSE FEE(FW)		\$
832.009	HYDRO EXAM FEE(GF)		\$

RECEIPT # 82460

DATED: 1-10-92

BY: DBushnell

Distribution—White Copy-Customer, Yellow Copy-Fiscal, Brown Copy-Fiscal

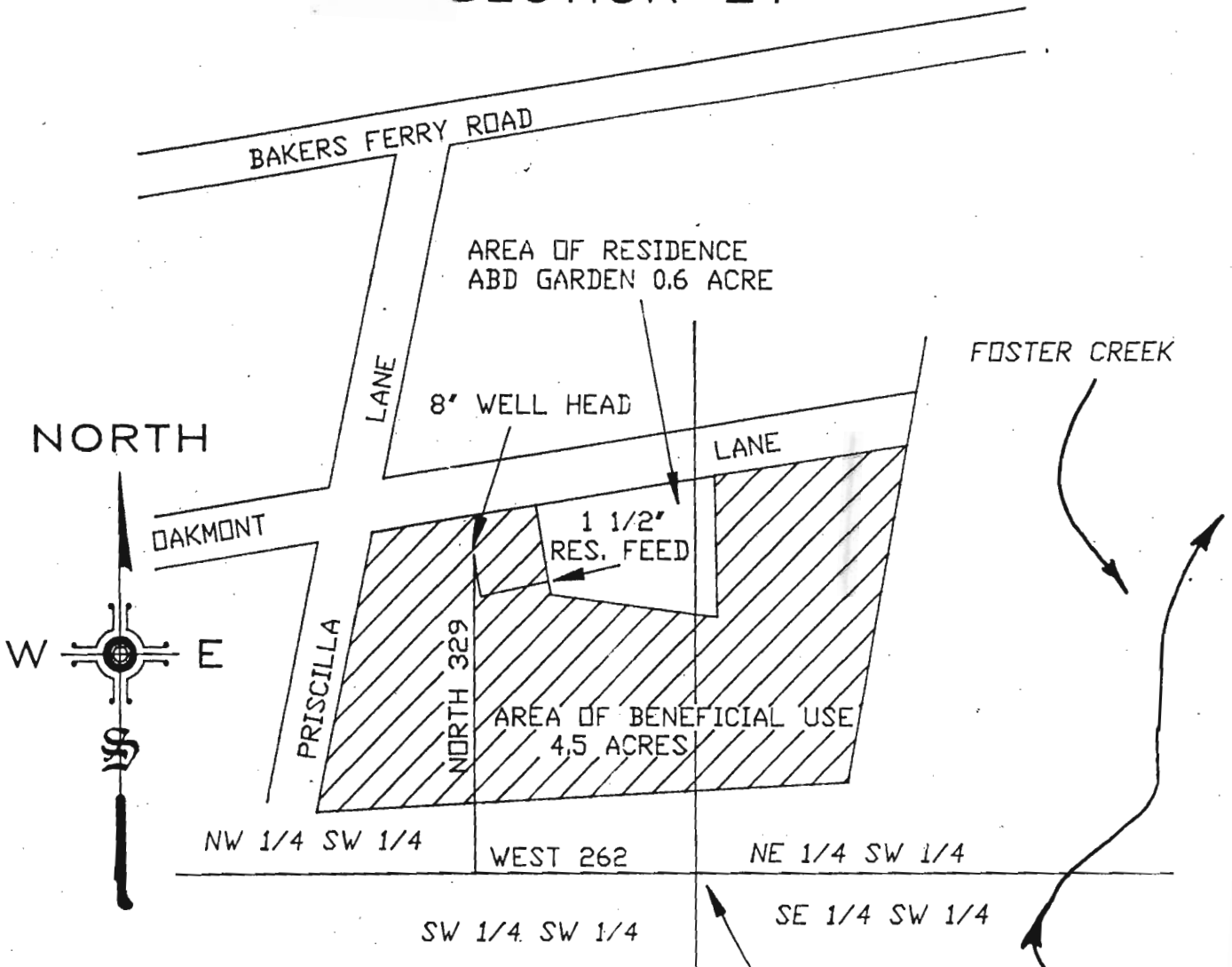
Lawrence
15080 S. Forsythe Rd.
Oregon City, Or. 97045

PORTLAND, OR
PM
10-MAR
1992

George Walker
20276 S. Oakmont Lane
Oregon City, Or. 97085

3rd Letter
To W.R.D.
My copy

T.2S., R.3E., W.B.&M.
SECTION 21



* 1.75 AC. IN N.E. 1/4 S.W. 1/4
2.75 AC. IN N.W. 1/4 S.W. 1/4

SCALE: 1"=200'

APPLICATION SURVEY
UNDER
APPLICATION NO. G11984 PERMIT NO. _____
IN THE NAME OF
**GEORGE WALKER -
ANDREW JAMES
UNINCORPORATED**



WILLAMETTE LAND SERVICES

15080 S. FORSYTHE RD.
OREGON CITY, OR. 97045
(503) 657-0196

SURVEYED OCTOBER 13, 1989
BY RUSSELL A. LAWRENCE
CWRE 175

March 4, 1992

George Walker
20276 S. Oakmont Lane
Oregon City, OR 97085

Reference: File G-11984

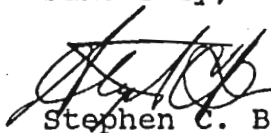
Dear Mr. Walker:

Please find enclosed receipt #82460 acknowledging the submittal of the permit recording fees in the amount of \$100.00.

*The map prepared by the Mr. Lawrence does not adequately illustrate the acres to be irrigated in each quarter-quarter section. I have discussed this requirement with Mr. Lawrence and as of this date not received a proper map to support the application.

Unless an adequate map is submitted within thirty days from the date of this letter, I will recommend the rejection of the application and return any unearned fees.

Sincerely,



Stephen C. Brown
Senior Water Rights Specialist
Field Operations Division

cc: Applegate, Mize, Nunn, Dowden - WRD
Lawrence, CWRE

0689



3850 Portland Rd NE
Salem, OR 97310
(503) 378-3739
FAX (503) 378-8130

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- 1. Addressee's Address
- 2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

George Walker
20276 S Oakmont LN
Oregon City OR 97045
9455
G-11984 wew

4a. Article Number

P 56512

4b. Service Type

- Registered Insured
- Certified COD
- Express Mail Return Receipt for Merchandise

7. Date of Delivery

1/29/93 wew

5. Signature (Addressee)

6. Signature (Agent)

Jim Dehner

8. Addressee's Address (Only if requested and fee is paid)

Thank you for using Return Receipt Service.

January 28, 1993

GEORGE WALKER
20276 S OAKMONT LN
OREGON CITY OR 97045 9455

REFERENCE: File G-11984

This letter is in regard to your water use Permit G-11453. As we pointed out to you in our letter of May 1, 1992, your claim of beneficial use must be received in this office by April 27, 1993.

Oregon Administrative Rule 690-14-190 states: "The claim of beneficial use shall be submitted to the Department within one year after the use was reported..as being complete...Failure to comply with this section shall cause the Director to initiate permit cancellation proceedings as provided by ORS 537.260."

The "claim" consists of a site report and map of the developed use prepared by a Certified Water Rights Examiner, which accompany a request from the permittee for issuance of a certificate of water right.

You are hereby notified that unless your claim is received on or before April 27, 1993, your permit will be canceled without further notice.

If you have any questions, please contact the Water Rights Section.

TES:wcm
2326W

cc: Dave Jarrett, Watermaster District #16

CERTIFIED - RETURN RECEIPT REQUESTED



May 1, 1992

GEORGE WALKER
20276 SO OAKMONT LN
OREGON CITY OR 97045 9455

REFERENCE: File G-11984

We have received your notice that complete application of water has been made under Permit G-11453.

In order to obtain a certificate of water right, you are required by law to hire a certified water right examiner to conduct the final proof survey of the completed use. This must be done within one year after the use is reported as being complete or within one year after the beneficial use date allowed in the permit, whichever occurs first. Accordingly, the map and claim of beneficial use must be received in this office on or before April 27, 1993. A list of certified examiners is enclosed for your information.

Upon receipt of the map and claim of beneficial use, the information will be reviewed and a brief field inspection may be conducted by a representative of this office. Following that, a proposed certificate of water right will be mailed to you for review.

In the meantime, the permit you hold is valid evidence of your right to use the water.

If you have any questions, please contact the Water Rights Section at 378-3739.

1320W

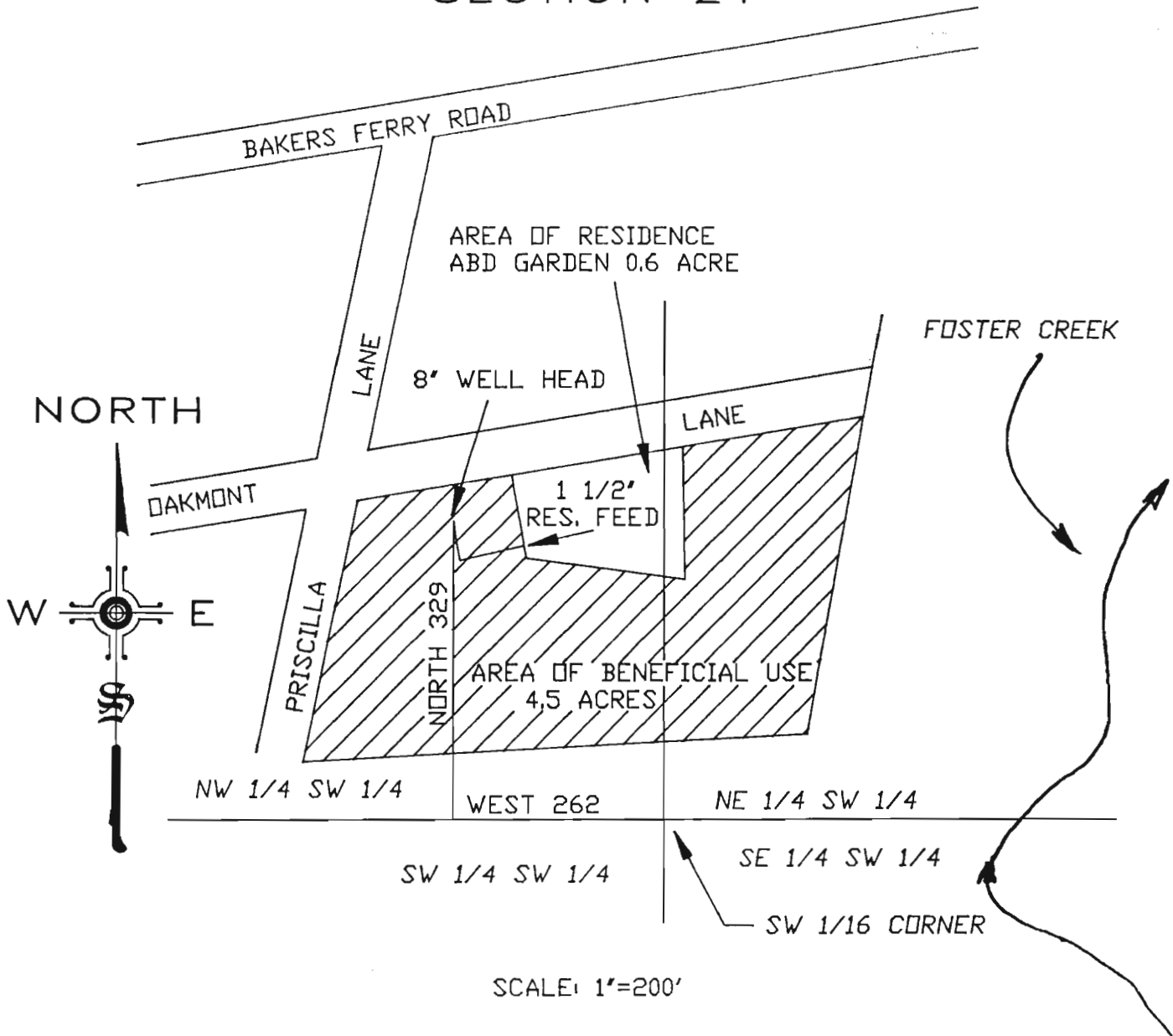
Enclosure



T.2S., R.3E., W.B.&M.

SECTION 21

11/22/89



FINAL PROOF SURVEY

UNDER
APPLICATION NO. G11984 PERMIT NO. G-11453
IN THE NAME OF

**GEORGE WALKER —
ANDREW JAMES
UNINCORPORATED**

WILLAMETTE LAND SERVICES

15080 S. FORSYTHE RD.
OREGON CITY, OR. 97045
(503) 657-0196

SURVEYED OCTOBER 13, 1989
BY RUSSELL A. LAWRENCE
CWRE 175

JOB 441

DATE: 01 -20 -92

PAGE: 1 OF 1

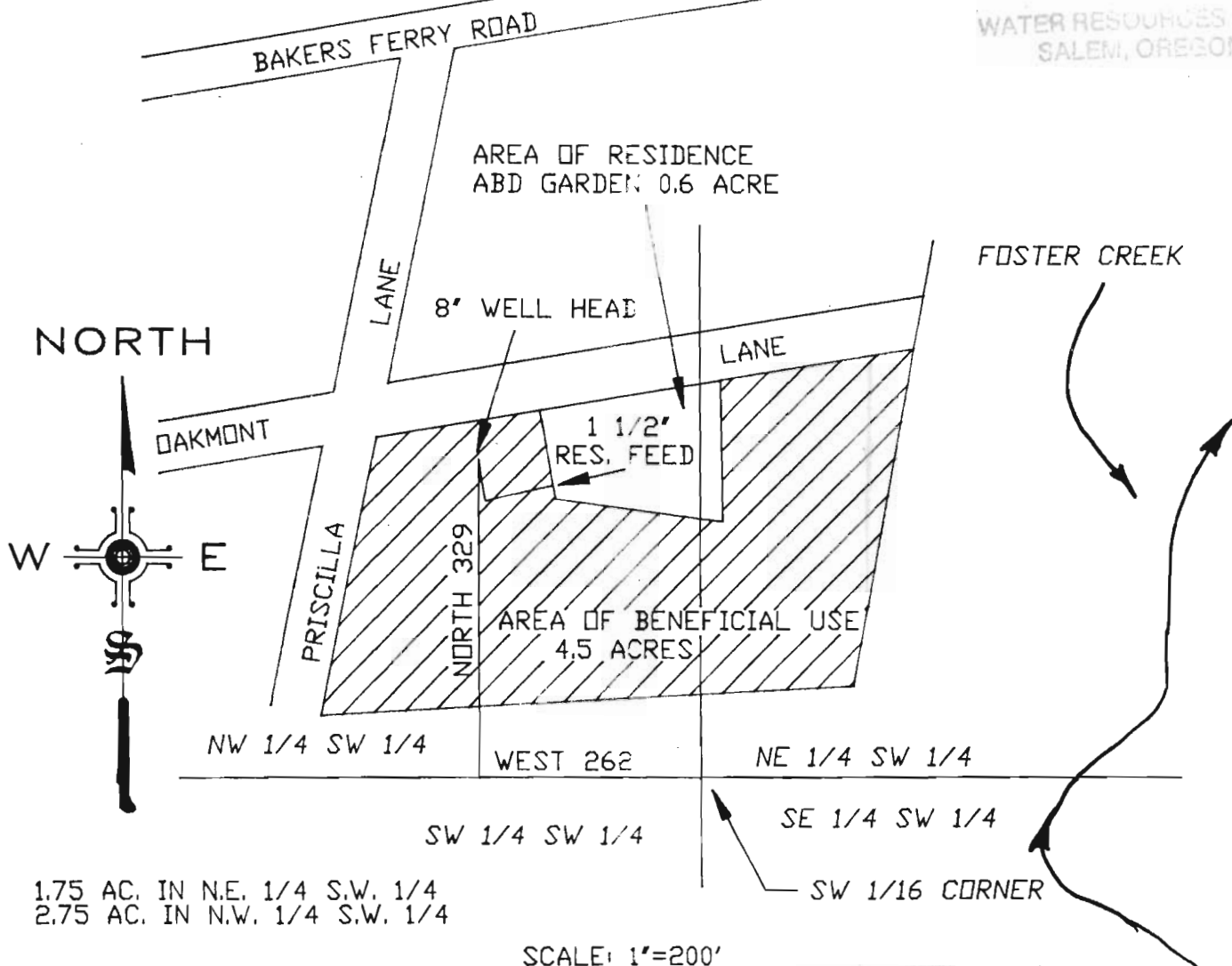
T.2S., R.3E., W.B.&M.

SECTION 21

RECEIVED

MAR 10 1992

WATER RESOURCES DEPT.
SALEM, OREGON



1.75 AC. IN N.E. 1/4 S.W. 1/4
2.75 AC. IN N.W. 1/4 S.W. 1/4

SCALE: 1"=200'

APPLICATION SURVEY

UNDER
APPLICATION NO. G11984 PERMIT NO. G-11453
IN THE NAME OF

GEORGE WALKER —
ANDREW JAMES
UNINCORPORATED



WILLAMETTE LAND SERVICES

15080 S. FORSYTHE RD.
OREGON CITY, OR. 97045
(503) 657-0196

SURVEYED OCTOBER 13, 1989
BY RUSSELL A. LAWRENCE
CWRE 175

JOB 441
DATE: 01 -20 -92 PAGE: 1 OF 1

RECEIVED

MAR 10 1992

WATER RESOURCES DEPT.
SALEM, OREGON

Oregon

WATER
RESOURCES
DEPARTMENT

March 4, 1992

George Walker
20276 S. Oakmont Lane
Oregon City, OR 97085

Reference: File G-11984

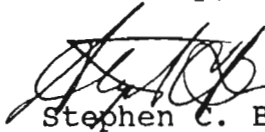
Dear Mr. Walker:

Please find enclosed receipt #82460 acknowledging the submittal of the permit recording fees in the amount of \$100.00.

The map prepared by the Mr. Lawrence does not adequately illustrate the acres to be irrigated in each quarter-quarter section. I have discussed this requirement with Mr. Lawrence and as of this date not received a proper map to support the application.

Unless an adequate map is submitted within thirty days from the date of this letter, I will recommend the rejection of the application and return any unearned fees.

Sincerely,



Stephen C. Brown
Senior Water Rights Specialist
Field Operations Division

cc: Applegate, Mize, Nunn, Dowden - WRD
Lawrence, CWRE

0689



3850 Portland Rd NE
Salem, OR 97310
(503) 378-3730
FAX (503) 378-8130

December 12, 1991

George Walker
20276 S. Oakmont Lane
Oregon City, OR 97085

Reference: File G-11984

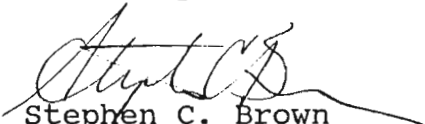
Dear Mr. Walker:

Staff has completed its review of your application requesting the use of 82 gallons per minute of water from one well for the irrigation of 4.5 acres.

Prior to recommending the approval of your application it will be necessary for you to submit permit recording fees in the amount of \$100.00 and a map stamped by a certified water right examiner to support the application.

I apologize for staff not bringing this to your attention. Hopefully, there will be no other delays.

Sincerely,


Stephen C. Brown
Senior Water Rights Specialist
Field Operations Division

cc: Applegate, Mize, Nunn, Dowden - WRD
Lawrence, CWRE

0609





While You Were Out

To _____

Date 11-21-91 Time 4:20 PM

G. Walker called

of G-11984

Phone _____

- | | |
|--|---|
| <input checked="" type="checkbox"/> Telephoned | <input type="checkbox"/> In person |
| <input type="checkbox"/> Please call | <input type="checkbox"/> Wants to see you |
| <input type="checkbox"/> Will call again | <input type="checkbox"/> Returned your call |

Message
OK to issue permit
w/out down E Stock.
- i.e. 28 is

Taken by [Signature]

November 19, 1991

George Walker
20276 S. Oakmont Lane
Oregon City, OR 97085

WATER
RESOURCES
DEPARTMENT

RE: File G-11984

Dear Mr. Walker:

Hearings Referee Mize has informed me that your well under Application G11984 was originally drilled for domestic and stock use, and that you had intended to also irrigate from the well if water was available. Ms. Mize also mentioned that you were concerned that the CWRE had not listed domestic and stock use on the application and that you might be interested in having the permit reflect those uses as well as irrigation use.

It is not necessary that the permit also state domestic and stock uses, as those are uses which are statutorily exempt from the requirement of obtaining a permit. As such, by statute these exempt uses have a priority date of the date the well was completed.

If, however, you wished to have the permit specifically state these other 2 uses, we would need additional fees and a written request for amendment of the application. The additional fees would be \$125.00 for the domestic use and \$100.00 for the stock use. If the application were amended, the priority date for these two uses would be the date the fees and request for amendment of the application were received. The priority date for irrigation use would remain the same (date the application was first received).

Given the need for additional fees and the later priority date, I would recommend that the application be left as is. You may still use the well for domestic and stock water without amending your application, as a permit is not needed for these 2 exempt uses. If, however, you still want to have these 2 exempt uses listed on the permit, you should contact me no later than November 25; otherwise, the permit will be issued for irrigation as originally applied for and approved by the Commission.

Sincerely,


Steve Applegate

cc: File
Weisha Mize



3850 Portland Rd NE
Salem, OR 97310
(503) 378-3739
FAX (503) 378-8130

WATER RESOURCES DEPARTMENT INTEROFFICE MEMO

To: MEMO TO THE FILE

September 13, 1991

From: KEN DOWDEN

Subject: FILE G-11984 - GEORGE WALKER

George Walker called and conveyed his DISSATISFACTION with the issuance of his groundwater permit applied for back in 11/7/89.

I referred to the file folder which contained:

- a) a missing calendar card
- b) water rights tracking slip from GROUNDWATER/HYDRO
-> review of appl. revealed NO interference w/Foster Cr.
- c) a memo from Larry Nunn discussing the ability of Dept.
to issue permit until protest is resolved, ie. WEISHA MIZE.

Spoke w/ Weisha Mize, she informed me that file was in her section for a week and did not make a decision on it.

KEN DOWDEN

RECEIVED

JAN 22 1992

WATER RESOURCES DEPT.
SALEM, OR. 97331

Willamette Land Services
15080 S. Forsythe Road
Oregon City, Or. 97045
January 20, 1992

Mr. Steve Applegate, WRD
Mr. Donn Miller, WRD
Oregon Water Resource Department
3850 Portland Road NE
Salem, Or. 97310

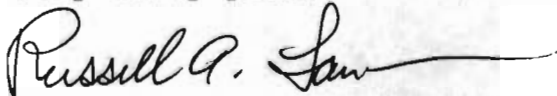
re: Application G11984

Gentlemen:

Enclosed you will find two copies of a draft Final Proof Survey map for your review and comments. I realize a mylar is required and these copies are paper. I do not have the permit number and would like to incorporate any corrections into a final product prior to placing on Mylar. At that time I will stamp the final map and submit for your files.

I appreciate your assistance.

Very truly yours,



Russell A. Lawrence, CWRE

cc: George Walker

#A G-11984
CLACKAMAS
1"=700'
1"=400'

Cancelled
1 900
2 10
3 16
4 25
5 32

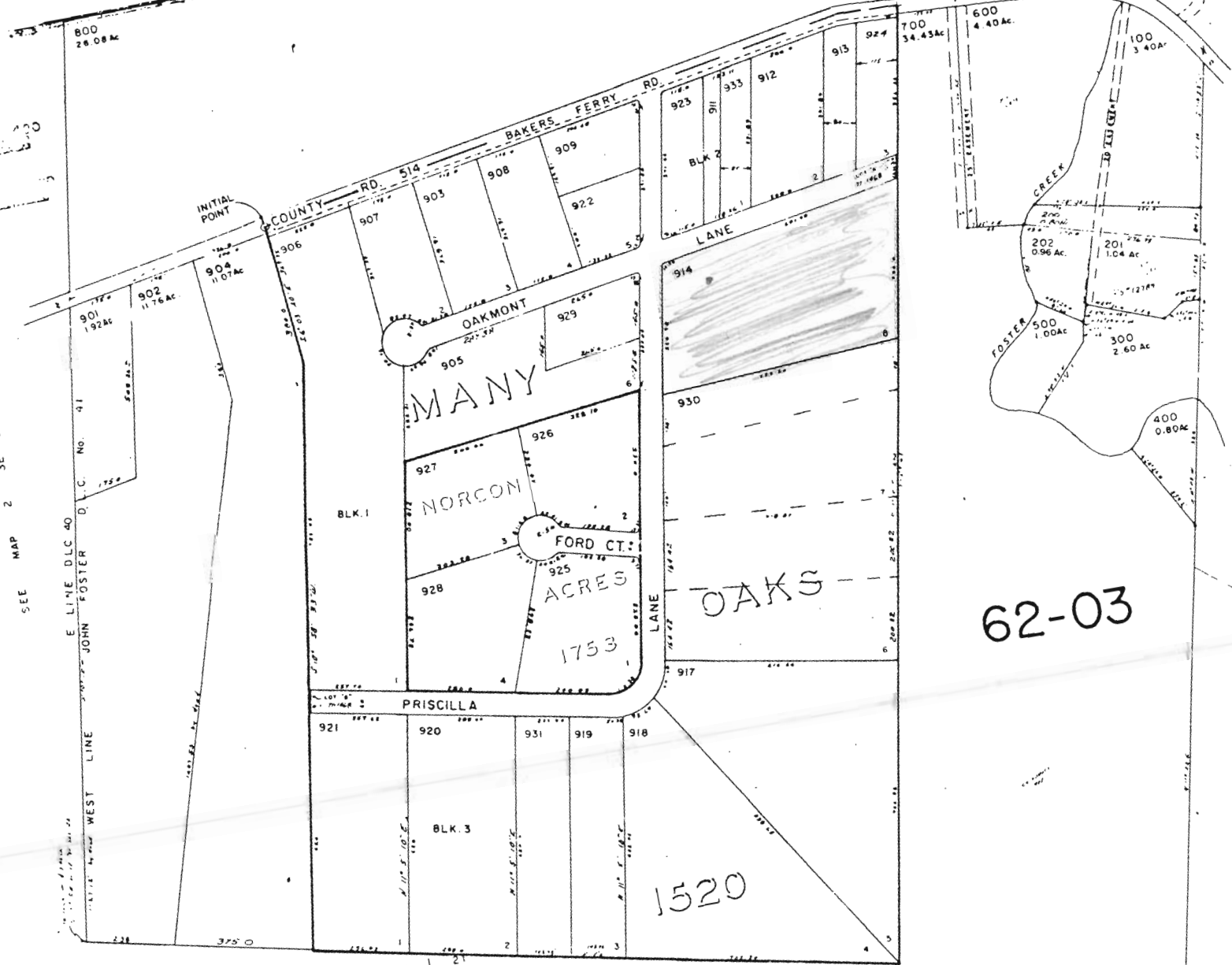
20
10
FEET

SEE MAP 2 3E 20

SEE MAP 2 3E 210

SEE MAP 2 3E 28

2 3E 21C

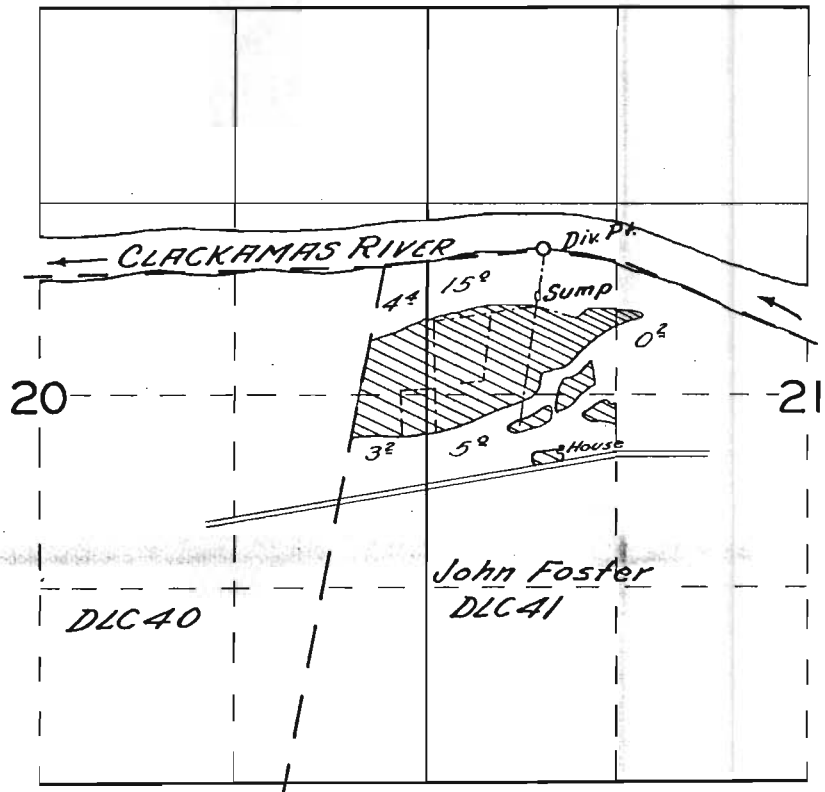


SEE MAP 2 3E 29

A6-11984

Check for conflicts
6/21/90
Gj

T.2S. R.3E.W.M.



FINAL PROOF SURVEY
UNDER

Application No. 29649 Permit No. 23348
IN NAME OF

GEORGE FURKAWA

Surveyed June 29, 1956, by R.H. Whitby

DFK-10-135

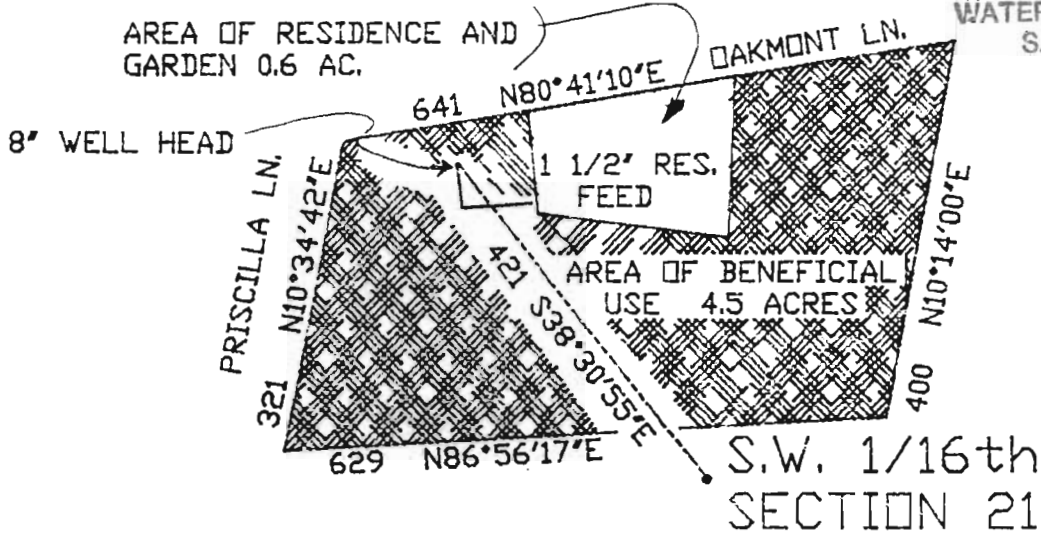
C.G.

S.W. 1/4 SECTION 21
T.2S., R.3E., W.B.&M.

RECEIVED

NOV 07 1989

WATER RESOURCES DEPT.
SALEM, OREGON



LEGEND:

■ AREA OF BENEFICIAL USE

---- SECTION CORNER TIE

Application No. **D-11984**
Permit No. **G11453**

APPLICATION SURVEY

for

GEORGE WALKER -
ANDREW JAMES
UNINCORPORATED

SCALE
1"=200'

SURVEYED OCTOBER 13, 1989
BY RUSSELL A LAWRENCE

R.A. LAWRENCE & ASSOCIATES, INC.



3001 WILLAMETTE FALLS DRIVE
WEST LINN, OREGON 97068
PHONE (503) 866-8804

ACCT. 641

A # 0-11453

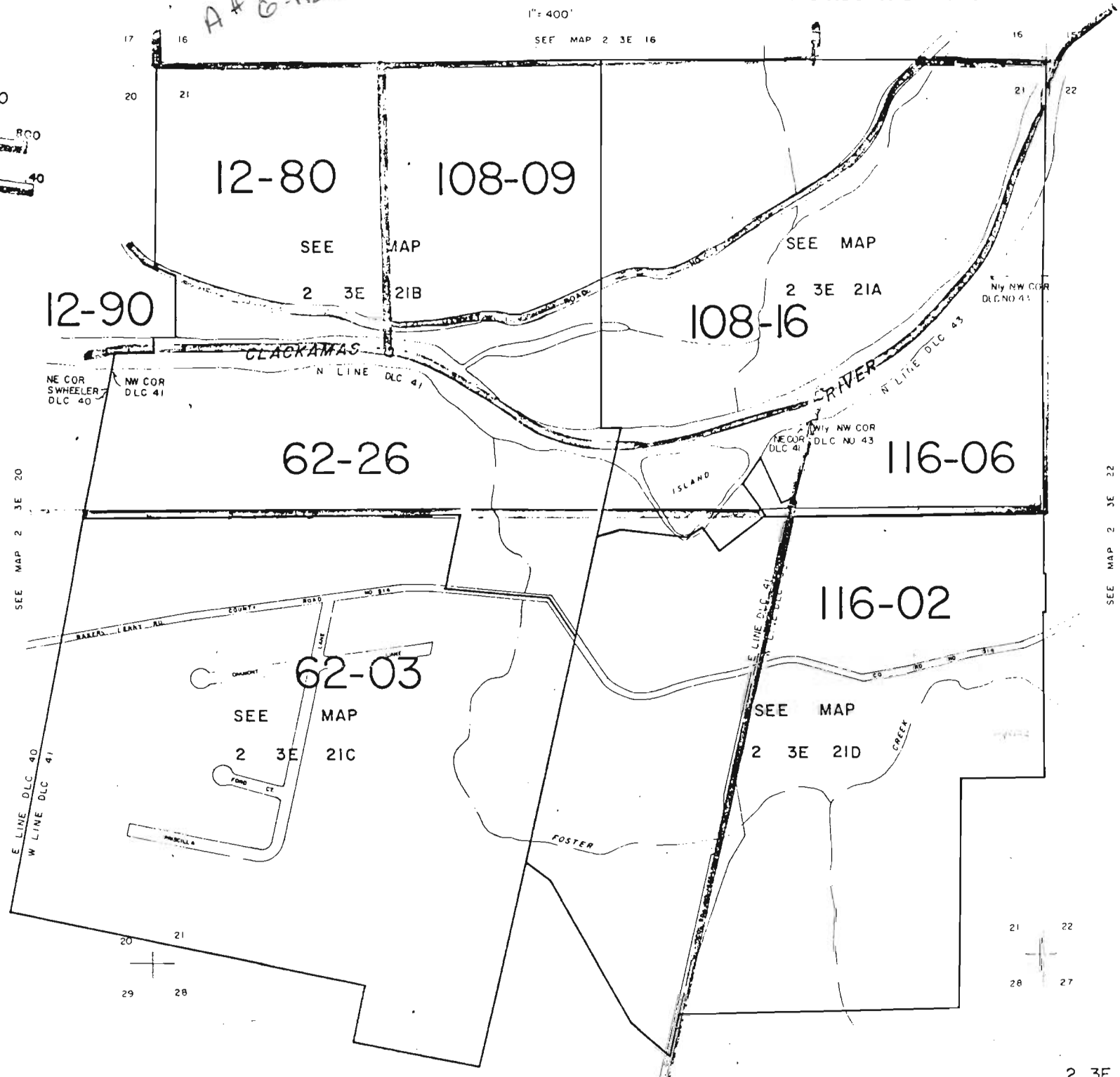
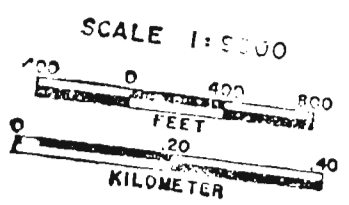
CLACKAMAS COUNTY

1" = 400'

SEE MAP 2 3E 16

JOHN FOSTER NO. 41
AMBROSE D. FOSTER NO. 43

INDEX



2 3E 21
INDEX

November 18, 1991

George Walker
20276 S. Oakmont Lane
Oregon City, OR 97045

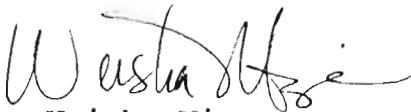
Aron Eastberg
20138 S. Bakers Ferry Rd.
Oregon City, OR 97045

WATER
RESOURCES
DEPARTMENT

Dear Mr. Walker and Mr. Eastberg:

Following consideration of the staff report on Agenda Item I, previously sent to you, the Water Resources Commission at its November 15, 1991 meeting approved the Director's Recommendation to issue the Permit on Application G11984.

Sincerely,



Weisha Mize
Hearings Referee

cc: Steve Applegate, WRD
Donn Miller, WRD

*⇒ SCB - But hold until
after 11/25 - Weisha's
sending them a letter*



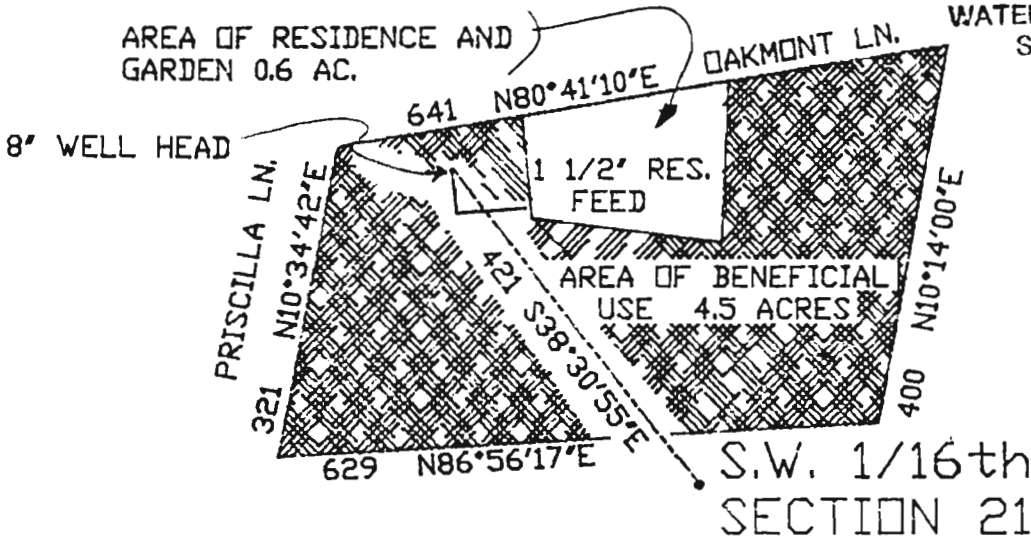
3850 Portland Rd NE
Salem, OR 97310
(503) 378-3739
FAX (503) 378-8130

S.W. 1/4 SECTION 21
T.2S., R.3E., W.B.&M.

RECEIVED

NOV 07 1989

WATER RESOURCES DEPT.
SALEM, OREGON



LEGEND:

■ AREA OF BENEFICIAL USE

--- SECTION CORNER TIE

Application No. *D-11984*
Permit No. *G1145?*

APPLICATION SURVEY

for

GEORGE WALKER -
ANDREW JAMES
UNINCORPORATED

SCALE
1"=200'

SURVEYED OCTOBER 13, 1989
BY RUSSELL A LAWRENCE

R.A. LAWRENCE & ASSOCIATES, INC.



3001 WILLAMETTE FALLS DRIVE
WEST LIMA, OREGON 97088
PHONE (503) 868-8804

ACCT. 041

November 19, 1991

George Walker
20276 S. Oakmont Lane
Oregon City, OR 97085

WATER
RESOURCES
DEPARTMENT

RE: File G-11984

Dear Mr. Walker:

Hearings Referee Mize has informed me that your well under Application G11984 was originally drilled for domestic and stock use, and that you had intended to also irrigate from the well if water was available. Ms. Mize also mentioned that you were concerned that the CWRE had not listed domestic and stock use on the application and that you might be interested in having the permit reflect those uses as well as irrigation use.

It is not necessary that the permit also state domestic and stock uses, as those are uses which are statutorily exempt from the requirement of obtaining a permit. As such, by statute these exempt uses have a priority date of the date the well was completed.

If, however, you wished to have the permit specifically state these other 2 uses, we would need additional fees and a written request for amendment of the application. The additional fees would be \$125.00 for the domestic use and \$100.00 for the stock use. If the application were amended, the priority date for these two uses would be the date the fees and request for amendment of the application were received. The priority date for irrigation use would remain the same (date the application was first received).

Given the need for additional fees and the later priority date, I would recommend that the application be left as is. You may still use the well for domestic and stock water without amending your application, as a permit is not needed for these 2 exempt uses. If, however, you still want to have these 2 exempt uses listed on the permit, you should contact me no later than November 25; otherwise, the permit will be issued for irrigation as originally applied for and approved by the Commission.

Sincerely,


Steve Applegate

cc: File
Weisha Mize



3850 Portland Rd NE
Salem, OR 97310
(503) 378-3739
FAX (503) 378-8130

September 27, 1991

Aron Eastberg
20138 South Bakers Ferry Rd.
Oregon City, OR 97045

WATER
RESOURCES
DEPARTMENT

RE: Aquifer pump test results, Walker/Nielsen/Eastberg wells
Protest against Application G11984

Dear Mr. Eastberg:

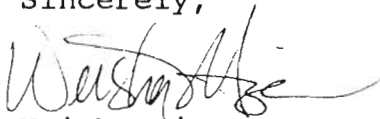
Enclosed please find a report on the pump test results performed by Mike Zwart and Sarah Meyer on the above-named wells. This test was done in response to the protests filed by you and Mr. Nielsen against George Walker's Application G11984.

As you can see from page 2 of the memorandum, there is no connection between the Nielsen's well and the Walker well. There does appear to be some connection between your well and the Walker well, but the response of your well to pumping at the Walker well even for prolonged period of time is considered minor and not significant. It does not rise to the level of impact necessary to support a protest under the Department's Administrative rules. I've enclosed a copy of Division 8 for your reference.

Staff also determined that the problems you have experienced with your well are likely due to inadequacies in the condition of your well. It is recommended that you consult with a well constructor regarding reconditioning, deepening or replacement of your well.

Based on the test data and results, the Director will soon be issuing his Preliminary Determination on Application G11984. His recommendation will be that a permit be issued. After you have reviewed the report, please let me know by October 16th whether you wish to pursue your protest further.

Sincerely,


Weisha Mize
Hearings Referee

cc: George Walker
Robert Nielsen
Larry Nunn, WRD
Mike Zwart, WRD



3850 Portland Rd NE
Salem, OR 97310
(503) 378-3739
FAX (503) 378-8130

September 27, 1991

Robert Nielsen
20090 South Bakers Ferry Rd.
Oregon City, OR 97045

WATER
RESOURCES
DEPARTMENT

RE: Aquifer pump test results, Walker/Nielsen/Eastberg wells
Protest against Application G11984

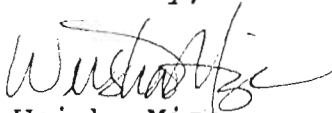
Dear Mr. Nielsen:

Enclosed please find a report on the pump test results performed by Mike Zwart and Sarah Meyer on the above-named wells. This test was done in response to the protests filed by you and Mr. Eastberg against George Walker's Application G11984.

As you can see from page 2 of the memorandum, there is no connection between your well and the Walker well. It appears that the brown water and low pressure problems complained of are a result of inadequacies in the condition, and perhaps construction, of your well, rather than as a result of pumping at the Walker well. It is recommended that you consult with a licensed well constructor or pump installer to determine if your system is operating properly.

Based on the test data and results, the Director will soon be issuing his Preliminary Determination on Application G11984. His recommendation will be that a permit be issued. After you have reviewed the report, please let me know by October 16th whether you wish to pursue your protest further.

Sincerely,



Weisha Mize
Hearings Referee

cc: George Walker
Aron Eastberg
Larry Nunn, WRD
Mike Zwart, WRD



3850 Portland Rd NE
Salem, OR 97310
(503) 378-3739
FAX (503) 378-8130

OREGON DEPARTMENT OF WATER RESOURCES

DIRECTOR'S PRELIMINARY DETERMINATION RE: APPLICATION G11984

Application G11984 was filed on November 7, 1989 by George Walker for use of groundwater from a well located in the NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 21, Township 2 South, Range 3 East, Willamette Meridian, in Clackamas County, Oregon. The proposed use from said well is for irrigation of 4.5 acres in the NW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 21 of said Township and Range. The amount requested to be appropriated is 86 gallons per minute (gpm) or 0.18 cubic foot per second (cfs). For irrigation of 4.5 acres, the maximum amount that would be allowed is 25.25 gpm.

Protests against approval of the application were filed by Robert Nielsen and Aron Eastberg. The protestants were concerned that use of water from the proposed well would interfere with the protestants' and others' exempt wells, which had previously experienced problems in the late summer following extended periods of pumping (24 hours or more) by the applicant at this well.

Applicant was also informed that the proposed well was within a quarter mile of Foster Creek, a tributary to a state scenic waterway, the Clackamas River, and that scenic waterway flows would likely be determined in December of 1990, but the application could be processed if it was shown that the well was not hydraulically connected to the stream located within or tributary to the scenic waterway.

An aquifer test was performed by Department staff on July 17, 1991. The test involved applicant Walker's irrigation well applied for in Application G11984, and the Nielsen and Eastberg domestic wells. Test results showed no hydraulic connection between the Walker irrigation well and the Nielsen well. The test results did show some connection between the Walker and Eastberg wells, but there was no substantial interference such as would warrant denial of this application. With appropriation at the Walker well limited to 25.25 gpm, predicted drawdown at the Eastberg well after 30 and 100 days of pumping is 1.8 feet and 2.2 feet, respectively.

Test results showed further that the problems experienced in the past at the Nielsen well are not related to pumping at the Walker well, but may indicate a need to recondition or deepen the well. The Eastberg well may likewise need to be reconditioned, deepened or replaced, and does not fully develop the aquifer.

Staff review of the application, the water bearing zone targeted by the well constructor and the lithology described in the well log determined that the Walker well does not have the potential for substantial interference with Foster Creek and will therefore not interfere with the scenic waterway flows.

As there is no, or no significant, hydraulic connection between the

Walker irrigation well and protestants' domestic wells, and as there is no potential for interference with scenic waterway flows, the Director finds that existing rights and the public interest would not be harmed by approval of this application for permit.

The Director's preliminary determination is that Application G11984 may be approved, and a permit issued for use of up to 25.25 gpm, and that existing rights and the public interest would not be adversely impacted thereby.

DATED and ISSUED this 1st day of October, 1991.

William H. Young
WILLIAM H. YOUNG
Director

NOTICE: If you disagree with this Preliminary Determination, you may renew your protest against approval of the application and issuance of the permit with conditions, within 20 days of the date of issuance of this Preliminary Determination. Renewal of protest shall be in writing, describing with specificity the grounds for protest and the action you would ask the Water Resources Commission to take on this matter. The written renewal of protest should be sent to the Director's attention at 3850 Portland Rd. NE, Salem, Oregon, 97310.

OREGON DEPARTMENT OF WATER RESOURCES

DIRECTOR'S PRELIMINARY DETERMINATION RE: APPLICATION G11984

Application G11984 was filed on November 7, 1989 by George Walker for use of groundwater from a well located in the NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 21, Township 2 South, Range 3 East, Willamette Meridian, in Clackamas County, Oregon. The proposed use from said well is for irrigation of 4.5 acres in the NW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 21 of said Township and Range. The amount requested to be appropriated is 86 gallons per minute (gpm) or 0.18 cubic foot per second (cfs). For irrigation of 4.5 acres, the maximum amount that would be allowed is 25.25 gpm.

Protests against approval of the application were filed by Robert Nielsen and Aron Eastberg. The protestants were concerned that use of water from the proposed well would interfere with the protestants' and others' exempt wells, which had previously experienced problems in the late summer following extended periods of pumping (24 hours or more) by the applicant at this well.

Applicant was also informed that the proposed well was within a quarter mile of Foster Creek, a tributary to a state scenic waterway, the Clackamas River, and that scenic waterway flows would likely be determined in December of 1990, but the application could be processed if it was shown that the well was not hydraulically connected to the stream located within or tributary to the scenic waterway.

An aquifer test was performed by Department staff on July 17, 1991. The test involved applicant Walker's irrigation well applied for in Application G11984, and the Nielsen and Eastberg domestic wells. Test results showed no hydraulic connection between the Walker irrigation well and the Nielsen well. The test results did show some connection between the Walker and Eastberg wells, but there was no substantial interference such as would warrant denial of this application. With appropriation at the Walker well limited to 25.25 gpm, predicted drawdown at the Eastberg well after 30 and 100 days of pumping is 1.8 feet and 2.2 feet, respectively.

Test results showed further that the problems experienced in the past at the Nielsen well are not related to pumping at the Walker well, but may indicate a need to recondition or deepen the well. The Eastberg well may likewise need to be reconditioned, deepened or replaced, and does not fully develop the aquifer.

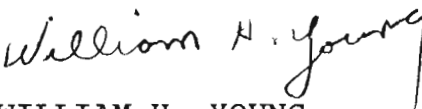
Staff review of the application, the water bearing zone targeted by the well constructor and the lithology described in the well log determined that the Walker well does not have the potential for substantial interference with Foster Creek and will therefore not interfere with the scenic waterway flows.

As there is no, or no significant, hydraulic connection between the

Walker irrigation well and protestants' domestic wells, and as there is no potential for interference with scenic waterway flows, the Director finds that existing rights and the public interest would not be harmed by approval of this application for permit.

The Director's preliminary determination is that Application G11984 may be approved, and a permit issued for use of up to 25.25 gpm, and that existing rights and the public interest would not be adversely impacted thereby.

DATED and ISSUED this 1st day of October, 1991.



WILLIAM H. YOUNG
Director

NOTICE: If you disagree with this Preliminary Determination, you may renew your protest against approval of the application and issuance of the permit with conditions, within 20 days of the date of issuance of this Preliminary Determination. Renewal of protest shall be in writing, describing with specificity the grounds for protest and the action you would ask the Water Resources Commission to take on this matter. The written renewal of protest should be sent to the Director's attention at 3850 Portland Rd. NE, Salem, Oregon, 97310.

**Water Right Conditions
Tracking Slip**

Groundwater/Hydrology Section

FILE ## 6-11984

ROUTED TO: FOD Support Services/
Steve Brown

TOWNSHIP/
RANGE-SECTION: T2S/R3E Sec 21

APPLICATION ACCEPTED? yes no

CONDITIONS ATTACHED? yes no

REMARKS OR FURTHER INSTRUCTIONS:

Reviewer: S. Meyer

TO: Water Rights Section

7/10/91, 1991 ^{9/6/91}

FROM: Groundwater/Hydrology Section Sarah C Meyer/Mike Zwart
Reviewer's Name

SUBJECT: Application G- 11984

1. ✓ ^{Proposed} **PER THE Willamette** Basin rules, one or more of the proposed POA's is within 1/4 mile of a surface water source and taps a groundwater source hydraulically connected to the surface water.

*TAS/RBE Sec 21
Diack Area*

2. **BASED UPON OAR 690-09** currently in effect, I have determined that the proposed groundwater use
a. ___ will, or } have the potential for substantial interference with the nearest surface water
b. ✓ will not } source, namely Foster Creek; or
c. ___ will, if properly conditioned, adequately protect the surface water from interference:
i. ___ The permit should contain condition #(s) _____;
ii. ___ The permit should contain special condition(s) as indicated in "Remarks" below;
iii. ___ The permit should be conditioned as indicated in item 4 below; or
d. ___ will, with repair of well construction deficiency, adequately protect the surface water from substantial interference.

3. **BASED UPON** available data, I have determined that groundwater for the proposed use
a. ___ will, or }
b. ___ will not } likely be available in the amounts requested without injury to prior rights; or
c. ___ can, if properly conditioned, be made without injury to existing rights or to the groundwater resource contrary to statute:
i. ___ The permit should contain condition #(s) _____;
ii. ___ The permit should contain special condition(s) as indicated in "Remarks" below;
iii. ___ The permit should be conditioned as indicated in item 4 below.

4. a. ___ **THE PERMIT** should allow groundwater production from no deeper than _____ ft. below land surface;
b. ___ The permit should allow groundwater production from no shallower than _____ ft. below land surface;
c. ___ The permit should allow groundwater production only from the _____ groundwater reservoir between approximately _____ ft. and _____ ft. below land surface;
d. ___ Well reconstruction is necessary to accomplish one or more of the above conditions.
e. ___ One or more POA's commingle 2 or more sources of water. The applicant must select one source of water per POA and specify the proportion of water to be produced from each source.

REMARKS: _____

WELL CONSTRUCTION (If more than one well doesn't meet standards, attach an additional sheet.)

5. **THE WELL** which is the point of appropriation for this application does not meet current well construction standards based upon:
- a. ___ review of the well log;
 - b. ___ field inspection by _____;
 - c. ___ report of CWRE _____;
 - d. ___ other: (specify) _____
6. **THE WELL** construction deficiency:
- a. ___ constitutes a health threat under Division 200 rules;
 - b. ___ commingles water from more than one groundwater reservoir;
 - c. ___ permits the loss of artesian head;
 - d. ___ permits the de-watering of one or more groundwater reservoirs;
 - e. ___ other: (specify) _____
7. **THE WELL** construction deficiency is described as follows: _____
8. **THE WELL**
- a. ___ was, or } constructed according to the standards in effect at the time of
 - b. ___ was not } original construction or most recent modification.
 - c. ___ I don't know if it met standards at the time of construction.

RECOMMENDATION:

- A. ___ I recommend including the following condition in the permit:
"No water may be appropriated under terms of this permit until the well(s) has been repaired to conform to current well construction standards and proof of such repair is filed with the Enforcement Section of the Water Resources Department."
- B. ___ I recommend withholding issuance of the permit until evidence of well reconstruction is filed with the Enforcement Section of the Water Resources Department.
- C. ___ REFER this review to Enforcement Section for concurrence.

THIS SECTION TO BE COMPLETED BY ENFORCEMENT PERSONNEL

I concur in G/H's recommendation A or B above relating to conditioning or withholding the permit.

_____, 1991.
(Signature)

I do not concur in G/H's recommendation A or B above relating to conditioning or withholding the permit for the following reasons: _____

_____, 1991.
(Signature)



STATE OF OREGON

INTEROFFICE MEMO

TO:

Fred

DATE:

6/27/91

FROM:

S. Brown

SUBJECT:

*Please expedite review Diack -
Division 9*

MEMORANDUM

TO: Water Resources Commission

FROM: Director *WJ*

SUBJECT: Agenda Item I, November 15, 1991,
Water Resources Commission Meeting

WATER
RESOURCES
DEPARTMENT

Consideration of Protest to Director's Preliminary
Determination on Application G11984 for Irrigation
of 4.5 acres in Clackamas County

Background

Application G11984 was filed on November 7, 1989 by George Walker for use of groundwater from a well located in the NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 21 in Clackamas County (Attachment 1). The proposed use is for irrigation of 4.5 acres. The amount proposed to be appropriated is 86 gallons per minute (gpm). In the event the application is approved, the maximum amount that would be allowed for irrigation of 4.5 acres is 25.25 gpm. The well was drilled in December of 1988.

The proposed well is within a quarter-mile of Foster Creek, a tributary to a state scenic waterway, the Clackamas River. Staff reviewed the application, the water-bearing zone targeted by the well constructor and the lithology described in the well log. Based on that review, staff determined that the Walker well does not have the potential for substantial interference with Foster Creek and will not interfere with the Clackamas scenic waterway flows.

Protests against this application were filed on January 9, 1991 by Robert Nielsen and on February 4, 1991 by Aron Eastberg (Attachment 2). Shortly after the filing of these protests, the applicant submitted a statement in response, which included survey responses from 8 nearby residents indicating that they had had no problems with their wells since use of the Walker well began in 1989 (Attachment 3).

Following completion by staff of an aquifer test in July 1991 (Attachment 4), the Director issued a Preliminary Determination on October 1, 1991, finding that the application should be approved (Attachment 5). Nielsen and Eastberg were asked to indicate by October 16th whether they wished to pursue their opposition to this application after reviewing the aquifer test results and the Director's Preliminary Determination (Attachment 6).



3850 Portland Rd NE
Salem, OR 97310
(503) 378-3739
FAX (503) 378-8130

Mr. Nielsen did not renew his objection to the Walker application. A formal protest against the Director's Preliminary Determination was filed by Mr. Eastberg on October 15, 1991 (Attachment 7).

Division 11 rules prompt Commission review when a formal protest against the Director's Preliminary Determination is filed. The matter is referred to the Commission to make a decision on whether Application G11984 should be approved, denied, or referred to contested case hearing.

Discussion

In the earlier filings, Mr. Nielsen and Mr. Eastberg were concerned that use of water from the proposed well would interfere with their exempt wells (drilled in 1970 and 1971, respectively). These wells had previously experienced problems in the late summer following extended periods of pumping (24 hours or more) by the applicant at this well. Both complained of low water pressure and dirty water late in the growing season (gardens), and associate that with times when they claimed the applicant had been running his irrigation sprinklers for 24 hours or so. Both Nielsen and Eastberg had their wells deepened slightly in 1985 and 1974, respectively. Applicant's well is 30' or so deeper than the Nielsen and Eastberg wells.

Both noted that there has been a good deal of development in the area over the last 10 years, and it appears that all have exempt domestic wells.

An aquifer test was performed by Department staff on July 17, 1991. The test involved applicant Walker's irrigation well and the Nielsen and Eastberg domestic wells. The Walker well was pumped at an average of 73 gpm for 5 hours, with water levels being monitored at the Nielsen and Eastberg wells. The Walker well had 90% recovery 2½ hours after shut-down.

Test results showed no hydraulic connection between the Walker irrigation well and the Nielsen well.

The test results did show some connection between the Walker and Eastberg wells, but there was no substantial interference such as would warrant denial of this application. With 73 gpm being pumped during the test, the Eastberg well drew down 1.19 feet by the end of the pumping period. With appropriation at the Walker well limited to 25.25 gpm, predicted drawdown at the Eastberg well after 30 and 100 days of pumping is 1.8 feet and 2.2 feet, respectively.

Test results showed further that the problems experienced in the past at the Nielsen well are not related to pumping at the Walker well, but may indicate a need to recondition or deepen the well. The Eastberg well may likewise need to be reconditioned, deepened or replaced. It does not fully develop the aquifer.

In his protest against the Director's Preliminary Determination, Mr. Eastberg asserts that Mr. Walker pumps 24 hours a day, 7 days a week, and such continuous pumping causes air in the lines and very little water at the Eastberg well. He is concerned that no provisions have been suggested to control and monitor pumping at the Walker well, and questions how many hours per day pumping would be allowed.

Mr. Eastberg repeats his assertion that other neighbors have experienced problems during the time the applicant is irrigating, although no names are given and no other protests have been filed. In both Mr. Eastberg's original protest against the application and his renewed protest against the Preliminary Determination, he expresses his disapproval of the applicant's raising cattle and what he perceives as a newcomer's insensitivity to an established area resident.

The allegations made in the protest regarding well interference are not substantiated by the aquifer test results. The small amount of interference seen and projected, particularly when pumping would be limited to 25.25 gpm, does not rise to the level of substantial or undue interference described in OAR 690-08-001(8) which would require denial of the application. Substantial or undue interference is defined as "the spreading of the cone of depression of a well to intersect...another well, or the reduction of the groundwater gradient and flow as a result of pumping, which contributes to ...c) one or more of the senior groundwater appropriators being unable to obtain either the permitted or customary quantity of groundwater, whichever is less, from a reasonably efficient well that fully penetrates the aquifer where the aquifer is relatively uniformly permeable..." The Eastberg well does not fully develop the aquifer.

Alternatives

1. Find that the proposed use, without conditions, would not have a significant adverse effect on the public interest or harm existing uses, and authorize the Director to issue the permit for use of up to 25.25 gpm.
2. Find that the proposed use, with conditions, would not have a significant adverse effect on the public interest or harm existing uses, and authorize the Director to issue the permit with appropriate conditions.

3. Find that the proposed use may have a significant adverse effect on the public interest or on existing uses, and direct that a contested case hearing be held on Application G11984 and the Eastberg protest.

Summation

The proposed use of water is appropriation from a well of up to 86 gpm for irrigation of 4.5 acres. The amount allowable is 25.25 gpm. Water is available to meet the proposed use. Pumping at the Walker well has a minor effect on protestant Eastberg's well, which does not appear to be either reasonably efficient or to fully penetrate the aquifer. The Walker well is not in connection with Foster Creek, a tributary to a scenic waterway, and would not have any impact on scenic waterway flows. Staff believes that the proposed use would not be harmful to the public interest or existing rights.

Director's Recommendation

Staff recommends Alternative 1, that the Commission find that existing rights and the public interest would not be harmed by approval of application G19984, and direct that a permit for use of up to 25.25 gpm from this well be issued.

Attachments:

1. Application G11984
2. Nielsen and Eastberg Protests
3. Walker letter and survey
4. Aquifer Test data and report
5. Director's Preliminary Determination
6. Letters transmitting Preliminary Determination
7. Eastberg Protest against Preliminary Determination

Weisha Mize
October 18, 1991
378-8455 ext. 311

ATTACHMENT 1
APPLICATION G11984

ATTACHMENT 2

NEILSEN AND EASTBERG PROTESTS

JAN 19 1991
SOUTHWEST CORNER
SALEM, OREGON

PROTEST AGAINST
WATER USE APPLICATION

I (We) Robert & Donna Nielsen
NAME(S)

20090 S Bakers Ferry Rd
MAILING ADDRESS

Oregon City . OR . 97045 . 631-2280
CITY STATE ZIP TELEPHONE

do hereby protest the approval of pending application # G-11994

made in the name(s) of Mr Walker

for use of water from his well
NAME OF WATER SOURCE

The proposed use is for irrigation

and the intended place of use is John Foster DLC #1
(DESCRIBE BY ACREAGE, TAX LOT, ETC)

510 1/4
~~Lot 42 SA Bk 12 map of Mary Oaks~~ Section 21 Township 25,
AS ACCURATELY AS POSSIBLE)

Range 3 E 10 N . Clackamas County, Oregon.

My (our) water rights are: permit # _____ Certificate # _____

A copy of the pertinent tax plat map obtained from the Clackamas County Assessor's Office is attached. The location of the proposed use and point of diversion, and my/our property and point of diversion have been marked on the map.

COMPLETE EITHER A/ OR B/, OR BOTH:

A/ My (Our) water rights would be adversely affected by the proposed use in the following way(s):

Provide as much detail as possible - feel free to attach additional paper. Remember that you will need to produce testimony and evidence to support your allegations in the event of a contested case hearing.

for rock usage
personal household usage.

B/ Cross out any phrases not applicable to your protest.

~~X~~/ We do ~~not~~ not have any water rights, but do ~~not~~ believe the proposed use would adversely effect them. ~~However, we~~ We believe that the proposed use would have a significant adverse effect on the public interest in the following way(s):

See attached form

JAN 9 1991

WATER RESOURCES DEPT.
STATE OF OREGON

(You should provide a clear explanation of how the proposed use would have substantial adverse effect(s) on the public interest) Remember that you will need to produce testimony and evidence to support your allegations in the event of a contested case hearing.

~~I~~ We have / have not (circle one) attempted to resolve this matter through discussion with the applicant. ~~I~~ We have ~~proposed the following alternatives or conditions which, in my / our opinion, would resolve my / our concern(s):~~

The original complaint was filed by Mr Eastberg who did try to talk to Mr Walker. We talked with Dave Jarrett over this matter also.

I / We understand that if this protest is not resolved informally, it may be necessary to present testimony and evidence in an administrative contested case hearing before the Water Resources Department in support of the allegations made in this protest.

In the event this matter goes to hearing, ~~I~~ We do do not (circle one) intend to have an attorney represent ~~me~~ us. The attorney's name and address is

However this is subject to change

Proof of Service of a copy of this protest on the applicant is attached.

The statutory \$25.00 protest filing fee accompanies this protest.

Dated and Signed this 7th day of January, 1991.

Robert F. Walker
Signature

[Signature]
Signature

We moved into our home in October, 1970, and were one of the first homes in this development. In the summer of 1971 a new home was built next to us. The builder approached us about putting in a community well which we would have control over. We did not want to become involved in anything like that which could become a potential source of ill-feelings among our neighbors. After being approached by the builder, we checked to see what would be necessary to gain water rights for ourselves to guarantee we would have adequate water. We were told we would have to pump a certain amount of gallons per month to be granted water rights. The amount was way more than we would or could use in a month even if we pumped continuously, so we no longer pursued trying to gain water rights. Each year, for several years, we planted a garden and about a month before time to harvest, we would get brown water and dirt coming into the house through the water pipes. We knew by this that we were running low on water and elected to conserve the remaining water for use in the house rather than the garden. When this same thing happened several years in a row, we elected due to a lack of water not to plant a garden again. By this time 7 to 10 homes had been placed on the development. After no longer planting a garden, there were several years we were again getting brown dirty water into the house and eventually we had our existing well deepened. Due to past experience, even with a deeper well, we have not planted a garden or done extensive watering on our property. The shrubs are only watered at their roots and no unnecessary ground is watered. Even with a deeper well and very conservative water useage this year (1990), we have had brown water a couple of times. The times the water had been brown and pressure is down have been when Mr. Walker had been running his irrigation sprinklers for a prolonged period of time (at least 24 hours solid).

Because of the above background, we are not in favor of Mr. Walker being granted a permit to continually run water to green up pasture land for his cattle. We do not expect him to deprive his cattle of drinking water or that he not be able to water his garden, if he has one, but we do object to his depriving his human neighbors the right to an adequate clean water supply so he can green up the pastures. We would love to have a GREEN well-manicured plot of land to live on but because it involves 1½ acres, we know it is not possible to have it without depriving our neighbors of water for useage in their homes. To us human useage of water is far more important than 1½ acres of GREEN grass or a herd of cattle.

JAN - 9 1991

W. J. BROWN, JR.
NOTARY PUBLIC
OREGON

P R O O F O F S E R V I C E

I, Robert & Donna Nelson, being first duly sworn, depose and say that on January 7, 1991, I did mail a copy of the attached protest against application number G-11984 to the applicant by regular mail by placing a copy of the protest in an envelope addressed to:

Mr. Walker
(applicant) / (applicant's attorney)
20276 S Oakmont
(address)
Oregon City, OR 97045
(city) (State) (zip)

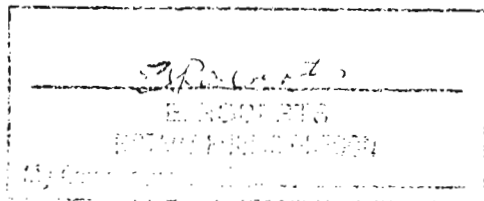
and depositing it in the United States mail with sufficient postage prepaid thereon.

1-7-91
(date)

[Signature]
(signature)

Subscribed to and sworn before me this 7th day of

January, 1991.



[Signature]
Notary Public for Oregon

My commission expires 4-22-94

PROTEST AGAINST
WATER USE APPLICATION

I (We) Ann & Beverly R Eastberg
NAME(S)

20138 ~~th~~ Bakers Ferry Rd
MAILING ADDRESS

Oregon City , Oregon , 97045 , 631 3690
CITY STATE ZIP TELEPHONE

do hereby protest the approval of pending application # G-11774
made in the name(s) of George Walker - Andrew James (Incorporated)
for use of water from Water Well
NAME OF WATER SOURCE

The proposed use is for irrigation of pasture land

and the intended place of use is Tax lots 0914, 20276 & Oakmont
(DESCRIBE BY ACREAGE, TAX LOT, ETC)

Oregon City Oregon 97045 , Section 5W 1/4 21 , Township 2S ,
(AS ACCURATELY AS POSSIBLE)

Range 3E W.M. , Clackamas County, Oregon.

My (our) water rights are: permit # _____ Certificate # _____

A copy of the pertinent tax plat map obtained from the Clackamas County Assessor's Office is attached. The location of the proposed use and point of diversion, and my/our property and point of diversion have been marked on the map.

COMPLETE EITHER A/ OR B/, OR BOTH:

A/ My (Our) water rights would be adversely affected by the proposed use in the following way(s):

see attached statement

Provide as much detail as possible - feel free to attach additional paper. Remember that you will need to produce testimony and evidence to support your allegations in the event of a contested case hearing.

January 17, 1991

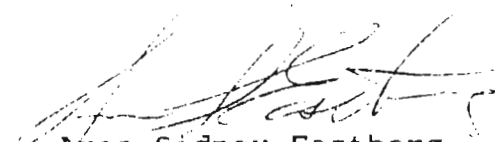
To Whom It May Concern:

I believe our water rights would be adversely affected by the proposed use of pumping water from Mr. Walker's well at 50-60 gallons per minute, 24 hours per day. This would affect the water table as it already has, depleting our water supply. During Mr. Walker's pumping, we have already had a lack of water pressure, air in the lines, and dirty water. Prior to the irrigation by Mr. Walker we had not experienced any problems with our well since 1974 when it was deepened. This pumping of water has also affected some of the neighbors in this area, who have individually talked to Mr. Walker about this problem. He believes, however, that he has the right to pump all the water he needs to produce grass for his cows. I believe he is overstocking the pasture available and defeating the ability to raise stock economically. He has had 12-14 cows on four acres when it is recommended to have one or two per acre. There are other farms near with livestock who are not irrigating for grass because they are not overstocked and they supplement with hay when grass is low. I have tried to discuss this problem with Mr. Walker but he doesn't seem to accept the fact that his actions are affecting his neighbors' wells and causing ill feelings toward his neighbors.

I have also consulted the State Water Master, Dave Jarrett, who wanted to know if I had a well or pump problem or was Mr. Walker's pumping affecting my well. He explained to me that it is very possible that the excessive pumping from Mr. Walker's well could very well lower the water table to an extent that all the neighbors could be affected. This appeared to be the problem because before and after his pumping we did not lack for water.

Thank you for your consideration in this matter.

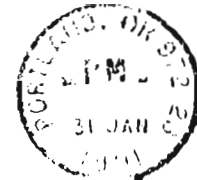
Sincerely,



Aron Sidney Eastberg

ASE:jb

Aron S. Eastberg
Laverly K. Eastberg
2001 S. Baker Ferry Road
Oregon City Oregon 97048



George Walker
20276 S Oakmont
Oregon City, Oregon
97045

ATTACHMENT 3
WALKER LETTER AND SURVEY

To whom it May Concern:

A well Use Application #G11984 was submitted in the summer of 1989 to the Water Master by Andrew James, Unincorporated, for use of well water for purposes of household, lawn, garden, animal or fowl watering, and hopefully for future irrigation of pasture for animals, fowl or crops. Test irrigation was done in the fall of 1989 and the summer of 1990.

Two protests so far have been submitted. The first received was from Robert and Donna Nielsen, 20070 1/2 Baker's Ferry Road, Oregon City, Oregon, 631-2280, whose property is on the outer perimeter of most houses or farms in the near area. Their complaints are that they have had low water pressure and dirty water on a couple of occasions when we were running irrigation, so they stated, for 24 hours or longer periods of time. We have test run irrigation during the fall of 1989 and summer of 1990. We have never had loss of water, dirty water, or low pressure from the time the well was put on the house due to old well failure or during the times the test irrigation was run to the present. We have also never irrigated for more than 18 to 19 hours at any one time and we maintained pump pressure of 30 pounds or more at all times. We received the first verbal information through another neighbor, after receiving a letter from the Water Master that morning saying that they had a formal complaint; we were told we had to have an application to use ground water. I'm sorry for being ignorant, but it was my belief prior to this time that the well permit took care of all water uses from our well or wells, and I thought that permission for use application was only required for common water areas (ponds, streams, rivers). We had no inkling prior to this that anybody was having problems, as we had talked to several of the close neighbors and none of them had said anything about having any problems of any type.

Their objections are that we are depriving our human neighbors the right to an adequate water supply so that we could green up pastures. Had anybody said that they were having problems, we would have cut back or stopped use completely. But, as stated

above, having talked to our near neighbors and no one having talked to us, we were not aware that Nielsens or anyone was having a problem, and the Nielsens, until 7 January 1991, have never said anything to us one way or the other, and needless to say, there was no way to have attempted to have resolved a matter or problem that we were not aware of. The 7 January 1991 information from Nielsens was the filing of Protest Against Water Use Application Proof of Service letter sent to us from them on 8 January 1991. To my knowledge, Nielsens still have no water rights nor have they applied for such.

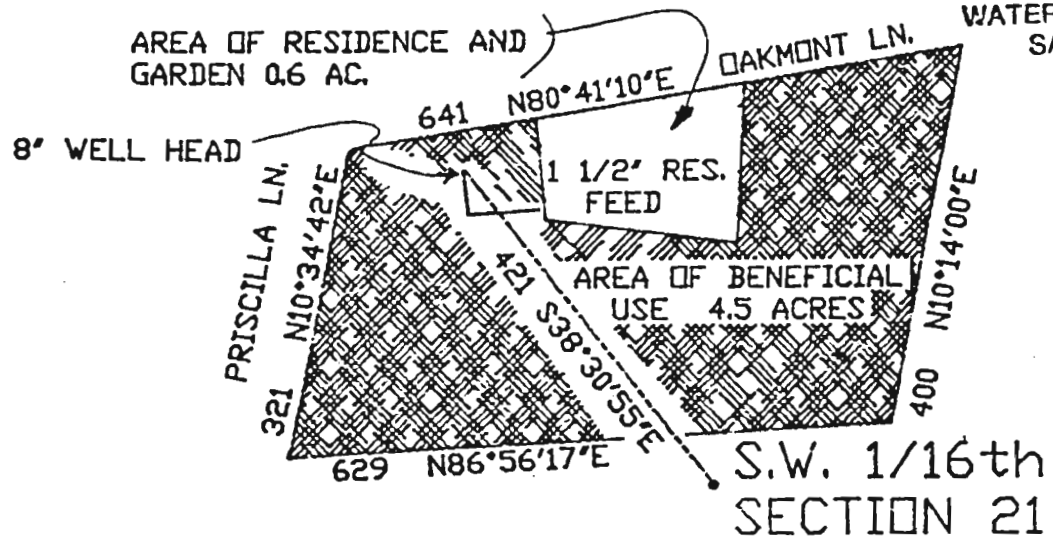
The second Protest Against Water Use Application was received on 1 February 1991, from Aaron and Beverly Eastberg, 20138 S. Baker's Ferry Road, Oregon City, Oregon, 631-3690. Mr. Eastberg states that our being granted water rights would affect his water rights (which he has none, nor has he applied, to my knowledge) if I was allowed to pump 50-60 gallons per minute 24 hours a day, which we have not done, and needless to say, would not be doing, except for irrigation, and that would be only as needed, and needless to say, no way near 24 hours a day and for probably 10 to 15 days per year, total. He stated that during our pumping time, he had lack of water pressure, air in the lines, and dirty water, and that it would affect the water table, as it already has, depleting his water supply, and that he had no problems since 1974, when similar problems (so I understand) caused him to have to deepen his well. As I have stated above, no matter how much water we pumped initially, we had no lack of pressure, no lack of water and nothing but crystal clear water. He also states that we have affected some of the other neighbors (I believe this means more than one) and to my knowledge, from what I have understood from hearsay, he was the person who stirred up the Nielsens. He also states that the other neighbors in this area have individually talked to me about this problem, and I have had no neighbors talk to me about any problems other than him, and this was only after I received the Water Master's letter, and I tried to talk to him

S.W. 1/4 SECTION 21
T.2S., R.3E., W.B.&M.

RECEIVED

NOV 07 1989

WATER RESOURCES DEPT.
SALEM, OREGON



LEGEND:

▨ AREA OF BENEFICIAL USE

— SECTION CORNER TIE



Application No. **D-11984**
Permit No. _____

APPLICATION SURVEY

for

SCALE
1"=200'

GEORGE WALKER —
ANDREW JAMES
UNINCORPORATED

SURVEYED OCTOBER 13, 1989
BY RUSSELL A LAWRENCE

R.A. LAWRENCE & ASSOCIATES, INC.
 3001 WILLAMETTE FALLS DRIVE
 WEST LANE, OREGON 97088
 PHONE (503) 652-8804
 ACC. 641

Type of irrigation system (check appropriate box): Flood Wheel line

Hand line Drip Other sprinkler system

Other systems: _____

Proposed date construction will begin: Existing system

Proposed date of completion of system: Existing system

Proposed date water use will be completed: immediately

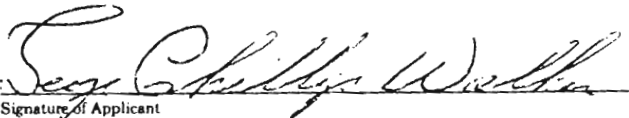
Is this groundwater source supplemental to another supply? no

If so, identify the supply and the existing water right: _____

Are lands (including well site, access for conveying water, and/or place of use) all under your ownership? Yes If not, list in the Comments section below or on an attached sheet, the names and mailing addresses of the legal owners of all property involved in the development.

NOTE: ORS 537 and OAR 690-217 require the results of a pump test be submitted to the Water Resources Department before a certificate of water right will be issued confirming the right to the use of water perfected under the terms of the permit. A pump test will be required within 10 years of the priority date in the event a certificate has not been issued within that time. The pump test must meet certain minimum criteria as detailed in OAR 690-217.

Comments: _____


Signature of Applicant
Agent President
Andrew James, Unincorporated

NOTE: This permit, when issued, is for the beneficial use of water. 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. It is possible that the land use you propose may not be allowed if it is not in keeping with the goals and the acknowledged plan. Your city or county planning agency can advise you about the land-use plan in your area.

Application No. B-11984

Permit No. _____

2. **LOCATION** (if there is more than one well or source, describe on another sheet):

329 _____ feet _____ North _____ and _____ 262 _____ feet West _____
(N or S) (E or W)

from the S.W. 1/16 corner of Section 21 _____
(Public Land Survey Corner)

located within the N.W. 1/4 of the S.W. 1/4 of Section 21 _____

Township 2 South _____, Range 3 East _____, WM. Tax Lot 914 _____

in Clackamas County.

3. **PLACE OF USE** (attach additional sheets, if necessary):

Township	Range	Section	¼ ¼ Section	Tax Lot No.	Use	Use or acres to be irrigated
2S	3E	21	N.W. S.W. 21	914	Agricultural	4.5

4. **DESCRIPTION OF WATER-DELIVERY SYSTEM:**

Length and dimensions of supply ditch or pipeline: 840 LF 3" p.v.c. subterranean
 supply manifold feeding 21 sprinkler outlets.

Size and type of pump and motor: 6" F & W model 6P080A05 submersible pump with
 5 H.P. motor.

Application No. 9-119-74

Permit No. _____

Attachment 1

RECEIVED

STATE OF OREGON
WATER RESOURCES DEPARTMENT

NOV 07 1989

Application for a Permit to Appropriate Groundwater

WATER RESOURCES DEPT.
SALEM, OREGON

Applicant: George Walker (Andrew James, Unincorporated, Agent President)

Mailing address: 20276 S. Oakmont Lane

Oregon City
City

Oregon
State

97045
Zip

hm. 631-2233
wk. 246-2217
Phone No.

I hereby make application for a permit to appropriate the following described groundwaters of the State of Oregon:

1. THE DEVELOPMENT (number of wells, tile lines, infiltration galleries, etc.):

1 8" well with 840 LF of 3" distribution line feeding 21 risers.

Use of water: water pasture/hay fields

Amount of water: _____

.18269

(cubic feet per second)

or 82

(gallons per minute)

Diameter of well: 8"

Depth in feet: 129

Type and size of well casing: 0.250 guage steel 8"

No. of feet: 129

Estimated depth to water: 76

(feet)

Type of access port or measuring device: _____

Wells to be drilled by: Skyles Drilling

Address: Oregon City
City

Oregon
State

97045
Zip

If the water well is flowing artesian, describe your water control and conservation works: _____

If development is less than 1/4 mile from a natural stream, give the following:

Distance from development to stream: _____

Elevation difference between streambed and development: _____

Note: Wells must be constructed according to standards set by the department for the construction and maintenance of water wells.

PC ✓ 29649
11/20 [Signature]

for he made no attempt in any way, shape or form to contact me to let me know that he was having any kind of problem prior to him calling the Water Master, and had he done so, I would have again cut down or stopped until a solution could have been found. He further states that I am overstocking my pasture available and defeating the ability to raise stock economically. I don't know what he means by this. He also states that I have said that I have the right to pump all the water I need and this, needless to say, I have never said to anyone, for if it is approved, I can only use the water allotted by the State and the only thing I have said is that I would use what was allotted if I needed it, and wasn't causing anyone problems. He also states that I have 12 to 14 cows on 4 acres, when it is recommended to have 1 or 2 per acre. I have $4\frac{1}{2}$ acres roughly in pasture and I have never had more than 5 cows and 2 yearlings pasturing at any one time, and 4 calves which were nursing and eating very little, if any, pasture. ($4\frac{1}{2} \times 2$ is 9, which, according to his specs, I would still pretty much meet), and he also states that other farms near feed hay when grass is low, which I do; I go through 12-20 tons a year counting all my neighbors' yards, in addition to that I get free of charge, as well as road right-of-ways and other grass or hay I can get my hands on. So needless to say, my cows have never gone hungry.

He also states that I don't seem to accept the fact that my actions are affecting my neighbors' wells and that I am causing ill feelings towards all my neighbors. He has never attempted to contact me, except when I contacted him to resolve this problem, and he states he has tried to discuss this problem with me and that I don't listen. I contacted him at least six times to try to resolve the problem to see just how much I could sprinkle or irrigate without affecting him or my other neighbors. The first time I asked him why he hadn't said something to me about him having problems before he started talking to the Water Master or the one neighbor that I got the hearsay through, and he blew up and said

it was none of my damn business who he talked to first and that he didn't have to talk to me first, for this is America and he could talk to who he wanted to. Needless to say, I didn't argue the point. Then after cutting my useage in half at least four times, he was still complaining, and in the end, said he didn't even want my well used, period, for my house, irrigation or anything as long as he was having problems. At this time, I was using very little water (for the house and cattle only), and he was still accusing me of irrigating at night, and when I told him I wasn't lying and he kept insisting that I was, I finally got pissed to the point that I made a statement that I'd give him a half an hour to draw a crowd on the Courthouse steps and I would kiss his you know what if he could prove I was lying. His statement was he wouldn't let me kiss his you know what because I'd give him AIDS. I, needless to say, at this time broke off the talk to try to resolve this problem for I knew that I would probably punch him out before long because I wouldn't take that kind of insult from anyone.

To Whom it May Concern:

A protest has been filed against Water Use Application #G-11984 applied for in 1989 by Andrew James, Unincorporated (George Walker, Agent President), 20276 S. Oakmont Lane, Oregon City, OR.

The well was put in for purposes of household, lawn, garden, animal or fowl watering, and irrigation of pasture for animals or crops (old well was too shallow and water tasted like you know what and was extremely high in iron bacteria and would not supply even household requirements).

The well was drilled in December, 1988, and put in service approximately June, 1989, for above mentioned uses except irrigation. Last irrigation was done in the fall of 1989 and the summer of 1990.

We are requesting information from you to be submitted to the Water Master to be used in determining whether or not there are any objections or opinions to this application being approved or denied. I would like the information to cover the years 1989 to the present.

Copies of all information obtained will be distributed to anyone answering this questionnaire prior to submitting to the Water Master if they so desire subject information.

Thank you,

George Walker

George Walker, Agent President

Name: Dele Van Kirk Phone No. 631 3066
 Address: 20288 S. OAKMONT LN.
 City: Oregon City State: OREGON
 Well Depth: 201 ft Well # 1

1. Have you had water shortages? Yes No X When
2. Has your water been dirty or murky? Yes No X When
3. Have you had any problems that you think or know were caused by our water use? Yes No When

Your comments, if you wish:

Dele Van Kirk
 Signature

2/4/91
 Date

Request information collected by No

To Whom it May Concern:

A protest has been filed against Water Use Application #G-11984 applied for in 1989 by Andrew James, Unincorporated (George Walker, Agent President), 20276 S. Oakmont Lane, Oregon City, OR.

The well was put in for purposes of household, lawn, garden, animal or fowl watering, and irrigation of pasture for animals or crops (old well was too shallow and water tasted like you know what and was extremely high in iron bacteria and would not supply even household requirements).

The well was drilled in December, 1988, and put in service approximately June, 1989, for above mentioned uses except irrigation. Last irrigation was done in the fall of 1989 and the summer of 1990.

We are requesting information from you to be submitted to the Water Master to be used in determining whether or not there are any objections or opinions to this application being approved or denied. I would like the information to cover the years 1989 to the present.

Copies of all information submitted should be distributed to people answering this questionnaire prior to submitting to the Water Master if they so desire subject information.

Thank you,

George Walker
George Walker, Agent President

Name: GEORGE FURUKAWA Phone No. 631-2487

Address: 20121 S. BAKERS FERRY ROAD

City: OREGON CITY State: OREGON

Well Depth: Well #: 103 Well #2: _____

1. Have you had water shortage? Yes _____ No 18 yr When _____
2. Has your water been dirty or murky? Yes _____ No 18 yr When _____
3. Have you had any problems that you think or know were caused by our water use? Yes _____ No 18 yr When _____

Your comments if you wish:

No Opinion

Geo Furukawa
Signature

2/2/91
Date

Request information collected Yes _____ No _____

To Whom it May Concern:

A protest has been filed against Water Use Application #G-11984 applied for in 1989 by Andrew James, Unincorporated (George Walker, Agent President), 20276 S. Oakmont Lane, Oregon City, OR.

The well was put in for purposes of household, lawn, garden, animal or fowl watering, and irrigation of pasture for animals or crops (old well was too shallow and water tasted like you know what and was extremely high in iron bacteria and would not supply even household requirements).

The well was drilled in December, 1988, and put in service approximately June, 1989, for above mentioned uses except irrigation. Last irrigation was done in the fall of 1989 and the summer of 1990.

We are requesting information from you to be submitted to the Water Master to be used in determining whether or not there are any objections or opinions to this application being approved or denied. I would like the information to cover the years 1989 to the present.

Copies of all information obtained will be distributed to anyone answering this questionnaire prior to submitting to the Water Master if they so desire subject information.

Thank you,

George Walker
George Walker, Agent President

Name: Douglas Knight Phone No. 503-7211
Address: 15593 S. Priscilla Lane
City: Oregon City State: OR
Well Depth: Well #1 95 Well #2 _____

- 1. Have you had water shortages? Yes _____ No X When Not yet
- 2. Has your water been dirty or murky? Yes _____ No X When " "
- 3. Have you had any problems that you think or know were caused by our water use? Yes _____ No X When _____

Your comments if you wish. _____

Signature Douglas Knight Date 2/2/91

Request information collected: Yes X No _____

To Whom it May Concern:

A protest has been filed against water use Application #G-11984 applied for in 1989 by Andrew Jager, Inc. Incorporated (George Walker, Agent President), 20276 S. Oakmont Lane, Beeson City, OR.

The well was put in for purposes of household, lawn, garden, animal or fowl watering, and irrigation of pasture for animals or crops (old well was too shallow and water tasted like you know what and was extremely high in iron bacteria and would not supply even household requirements).

The well was drilled in December, 1988, and put in service approximately June, 1989, for above mentioned uses except irrigation. Test irrigation was done in the fall of 1989 and the summer of 1990.

We are requesting information from you to be submitted to the Water Master to be used in determining whether or not there are any objections or opinions to this application being approved or denied. I would like the information to cover the years 1989 to the present.

Copies of all information obtained will be distributed to anyone answering this questionnaire prior to submitting to the Water Master if they so desire subject information.

Thank you,

George B Walker
George Walker, Agent President

Name: RUSSEL E. HARDMAN Phone No 631-2231
Address: 15800 S. PRISCILLA LN
City: OREGON CITY, State: OR.
Well Depth: Well #1 90' Well #2 _____

- 1. Have you had water shortages? Yes No _____ When _____
- 2. Has your water been dirty or murky? Yes _____ No When _____
- 3. Have you had any problems that you think or know were caused by our water use? Yes _____ No _____ When _____

Your comments, if you wish: NOT SURE WHAT CAUSED WATER SHORTAGE,
AIR IN LINE WHEN PUMP STARTS UP,

Russel E. Hardman
Signature

2-2-91
Date

To Whom it May Concern:

A protest has been filed against Water Use Application #G-11984 applied for in 1989 by Andrew James, Unincorporated (George Walker, Agent President), 20276 S. Oakmont Lane, Oregon City, OR.

The well was put in for purposes of household, lawn, garden, animal or fowl watering, and irrigation of pasture for animals or crops (old well was too shallow and water tasted like you know what and was extremely high in iron bacteria and would not supply even household requirements).

The well was drilled in December, 1988, and put in service approximately June, 1989, for above mentioned uses except irrigation. Test irrigation was done in the fall of 1989 and the summer of 1990.

We are requesting information from you to be submitted to the Water Master to be used in determining whether or not there are any objections or opinions to this application being approved or denied. I would like the information to cover the years 1989 to the present.

Copies of all information obtained will be distributed to anyone answering this questionnaire prior to submitting to the Water Master if they so desire subject information.

Thank you,

E. Walker

George Walker, Agent President

Name: Diana Katherine Miller (Contact) Phone No. 631-8204
Address: 15850 S. Priscilla Ln.
City: Oregon City, OR State: OR
Well Depth: Well #1 100 well #2

- 1. Have you had water shortage? Yes _____ No X When _____
- 2. Has your water been dirty or murky? Yes _____ No X When _____
- 3. Have you had any problems that you think or know were caused by our water use? Yes _____ No X When _____

Your comments, if you wish: _____

Diana Miller
Signature

8-10-91
Date

Request information collected Yes X No _____

To Whom It May Concern:

A protest has been filed against Water Use Application #G-11984 applied for in 1989 by Andrew James, Unincorporated (George Walker, Agent President), 20276 S. Oakmont Lane, Oregon City, OR.

The well was put in for purposes of household, lawn, garden, animal or fowl watering, and irrigation of pasture for animals or crops (old well was too shallow and water tasted like you know what and was extremely high in iron bacteria and would not supply even household requirements).

The well was drilled in December, 1988, and put in service approximately June, 1989, for above mentioned uses except irrigation. Test irrigation was done in the fall of 1989 and the summer of 1990.

We are requesting information from you to be submitted to the Water Master to be used in determining whether or not there are any objections or opinions to this application being approved or denied. I would like the information to cover the years 1989 to the present.

Copies of all information obtained will be distributed to anyone answering this questionnaire prior to submitting to the Water Master if they so desire subject information.

Thank you,

George Walker

George Walker, Agent President

Name: Leonard M. Green Phone No. 631-2124
Address: 20250 S. Bakers Ferry Rd
City: Oregon City State: Oregon
Well Depth: Well #1 100 FT Well #2 _____

1. Have you had water shortages? Yes _____ No ✓ When _____
2. Has your water been dirty or murky? Yes _____ No _____ When _____
3. Have you had any problems that you think or know were caused by our water use? Yes _____ No ✓ When _____

Your comments if you wish. _____

Leonard M. Green
Signature

2-11-91
Date

Request information collected Yes _____ No _____

To whom it May Concern:

A protest has been filed against Water Use Application #G-11984 applied for in 1989 by Andrew Lane, Unincorporated (George Walker, Agent President), 20276 S. Oakmont Lane, Oregon City, OR.

The well was put in for purposes of household, lawn, garden, animal or fowl watering, and irrigation of pasture for animals or crops (old well was too shallow and water tasted like you know what and was extremely high in iron bacteria and would not supply even household requirements).

The well was drilled in December, 1988, and put in service approximately June, 1989, for above mentioned uses except irrigation. Test irrigation was done in the fall of 1989 and the summer of 1990.

We are requesting information from you to be submitted to the Water Master to be used in determining whether or not there are any objections or opinions to this application being approved or denied. I would like the information to cover the years 1989 to the present.

Copies of all information obtained will be distributed to anyone answering this questionnaire prior to submitting to the Water Master if they so desire subject information.

Thank you,

George Walker
George Walker, Agent President

Name: RICHARD FOSTER Phone No. 631-3889
Address: 15830 S. PRISCILLA LN.
City: OREGON CITY, State: OREGON
Well Depth: Well #1 75 # Well #2 _____

- 1. Have you had water shortages? Yes _____ No X When _____
- 2. Has your water been dirty or murky? Yes _____ No X When _____
- 3. Have you had any problems that you think or know were caused by our water use? Yes _____ No X When _____

Your comments if you wish. _____

Richard A. Foster 15 FEB '91
Signature Date

Request information collected Yes _____ No _____

To Whom it May Concern:

A protest has been filed against Water Use Application #G-11984 applied for in 1989 by Andrew James, Unincorporated (George Walker, Agent President), 20276 S. Oakmont Lane, Oregon City, OR.

The well was put in for purposes of household, lawn, garden, animal or fowl watering, and irrigation of pasture for animals or crops (old well was too shallow and water tasted like you know what and was extremely high in iron bacteria and would not supply even household requirements).

The well was drilled in December, 1988, and put in service approximately June, 1989, for above mentioned uses except irrigation. Test irrigation was done in the fall of 1989 and the summer of 1990.

We are requesting information from you to be submitted to the Water Master to be used in determining whether or not there are any objections or opinions to this application being approved or denied. I would like the information to cover the years 1989 to the present.

Copies of all information obtained will be distributed to anyone answering this questionnaire prior to submitting to the Water Master if they so desire subject information.

Thank you,

George Walker

George Walker, Agent President

Name: Jon S. Potts Phone No. 631-2911
 Address: 15770 S. Priscilla Lane
 City: Oregon City State: OR
 Well Depth: Well #1 93ft Well #2 _____

1. Have you had water shortage? No Yes _____ When _____
2. Has your water been dirty or murky? Yes No _____ When Since Drilling 197
3. Have you had any problems that you think or know were caused by our water use? Yes _____ No When _____

Your comments if you wish.

Jon S. Potts
Signature

February 4, 1991
Date

Request for location collected: Yes _____ No _____

ATTACHMENT 4
AQUIFER TEST DATA AND REPORT

To: WEISHA MIZE

Date: September 10, 1991

From: MIKE ZWART

Subject: PROTEST AGAINST APPLICATION G-11984, GEORGE WALKER

Pump Test

Donn Miller instructed me to conduct a short-duration aquifer (pump) test at the Walker well to determine whether interference is possible with wells owned by protestants Nielsen and Eastberg. Sarah Meyer and I conducted such a test on July 17, 1991. All parties were advised to minimize water use prior to the test. Several pre-test water level measurements were taken at all wells for about an hour prior to pumping. The Walker well was pumped for five hours from 10:30 a.m. to 3:30 p.m. The irrigation system was configured to maximize pump discharge during the test. The discharge decreased from about 84 gallons per minute (gpm) to 72 gpm during the test. Average discharge was 73.3 gpm. Water levels were monitored at the wells during this pumping, or drawdown, phase of the test. Following the shut-down of the pump, recovery water levels were monitored until 6:00 p.m., at which time 90% recovery occurred at the Walker well. The test duration and methodology closely approximated what is specified by the Department's pump test requirements.

Test Analysis

The Walker well drew down about 49.5 feet by the end of the pumping period. The specific capacity of the well is therefore about 1.46 gallons per minute per foot of drawdown. The water level in the Eastberg well drew down 1.19 feet by the end of the pumping period. The water level in the Nielsen well rose slightly, about 0.16 foot, throughout the test period.

Several methods exist to estimate aquifer characteristics, transmissivity (T, in gallons per day per foot) and storativity (S), from analysis of test data. Standard graphical methods include the Theis and Cooper-Jacob plots, which can be applied separately to the drawdown and recovery data. Both these methods were used to analyse data at the Walker well. In addition, T was estimated based on the specific capacity of the well. The drawdown data collected at the Eastberg well was analysed with the Theis method. No analysis was possible with data collected at the Nielsen well. The range in aquifer characteristics is summarized in the table below.

<u>Well</u>	<u>Method</u>	<u>Data Used</u>	<u>T (gpd/ft.)</u>	<u>S (dimensionless)</u>
Walker	Theis	drawdown	980	NA*
Walker	Theis	recovery	1170	NA
Walker	Cooper-Jacob	drawdown	1550	NA
Walker	Cooper-Jacob	recovery	1180	NA
Walker	specific cap.	drawdown	2460	NA
Eastberg	Theis	early drawdown	10120	0.00060
Eastberg	Theis	late drawdown	8660	0.00063

*Storativity is not calculated using data from the pumping well.

Conclusions

- 1) The Nielsen well did not respond to the pumping of the Walker well and is not likely to be in hydraulic connection with it. Any problems that the Nielsen's may be experiencing with their well or water quality are therefore not likely to be a result of pumping of the Walker well.
- 2) The Eastberg well responds to the pumping of the Walker well. Use of the T and S values calculated at the Eastberg well allowed extrapolation of the drawdown at this well after longer pumping periods. At the average discharge rate of 73.3 gpm for 30 and 100 days of continuous pumping, predicted drawdown is about 5.2 feet and 6.2 feet, respectively.
- 3) The rate requested on Mr. Walker's application form is 82 gpm. However, based on 4.5 acres of proposed irrigation, a permit could not be issued for more than 25.25 gpm. Using this rate, the predicted drawdown at the Eastberg well after 30 and 100 days of pumping is about 1.8 feet and 2.2 feet, respectively.
- 4) Predicted drawdown at the Eastberg well after long-term pumping of the Walker well is not significant.
- 5) The Eastberg well does not adequately develop the aquifer that is penetrated. With a total depth of 93 feet and a static water level of about 71 feet, there is probably only 15 to 20 feet of available drawdown above the pump intake.
- 6) Based on your comment that Sarah Meyer's application review does not comment whether the proposed appropriation will or will not have the potential for substantial interference with Foster Creek, I reviewed the application for this purpose. Based on the water bearing zone targeted by the well constructor and on the lithology described, I believe that the Walker well will not have potential for substantial interference with Foster Creek and so noted on the review form.

Recommendations

- 1) Advise the Nielsen's that no well interference was measured at their well during the test. The problems mentioned in the protest, brown water and low pressure, are not the result of pumping the Walker well. They may wish to consult with a well constructor or pump installer to determine if their system is operating as it should or if their well is in need of reconditioning or perhaps deepening.
- 2) Advise the Eastberg's that the pumping of the Walker well, even for prolonged periods, does not substantially interfere with their well. Their well is apparently only marginally adequate at present, and also does not fully develop the aquifer. They should consult with a well constructor to consider reconditioning, deepening or replacement of the well.
- 3) If a permit is issued, the applicant should be strongly advised that the well should be limited to the maximum rate allowed under the terms of the permit.
- 4) The data collected during the aquifer test is sufficient to waive the pump test requirements of the Department, should a permit be issued.

Enclosures: Copies of test data, graphs, and well reports

	Time	Water Level	Drawdown	Time, minutes after pump on	Recovery, feet	Time, minutes after pump off
1	9:27:00	48.78	0.049999	-63:00.00	49.410	
2	9:43:00	48.76	0.029999	-47:00.00	49.430	
3	9:59:00	48.74	0.010002	-31:00.00	49.450	
4	10:12:00	48.74	0.010002	-18:00.00	49.450	
5	10:27:00	48.73	0.0000	-3:00.00	49.460	
6	10:37:00	77.26	28.530	7:00.00	20.930	
7	10:39:00	79.93	31.200	9:00.00	18.260	
8	10:40:00	80.73	32.000	10:00.00	17.460	
9	10:42:00	81.96	33.230	12:00.00	16.230	
10	10:44:00	83.04	34.310	14:00.00	15.150	
11	10:46:00	83.95	35.220	16:00.00	14.240	
12	10:50:00	85.39	36.660	20:00.00	12.800	
13	10:55:00	86.72	37.990	25:00.00	11.470	
14	11:00:00	87.78	39.050	30:00.00	10.410	
15	11:05:00	88.57	39.840	35:00.00	9.6200	
16	11:10:00	89.29	40.560	40:00.00	8.9000	
17	11:20:00	90.48	41.750	50:00.00	7.7100	
18	11:30:00	91.71	42.980	60:00.00	6.4800	
19	11:40:00	92.34	43.610	70:00.00	5.8500	
20	11:50:00	92.98	44.250	80:00.00	5.2100	
21	12:00:00	93.87	45.140	90:00.00	4.3200	
22	12:15:00	94.40	45.670	105:00.00	3.7900	
23	12:30:00	95.00	46.270	120:00.00	3.1900	
24	12:45:00	95.44	46.710	135:00.00	2.7500	
25	13:00:00	95.95	47.220	150:00.00	2.2400	
26	13:15:00	96.27	47.540	165:00.00	1.9200	
27	13:30:00	96.71	47.980	180:00.00	1.4800	
28	13:45:00	96.88	48.150	195:00.00	1.3100	
29	14:00:00	97.15	48.420	210:00.00	1.0400	
30	14:15:00	97.41	48.680	225:00.00	0.78000	
31	14:30:00	97.58	48.850	240:00.00	0.61000	
32	14:45:00	97.76	49.030	255:00.00	0.43000	
33	15:00:00	97.89	49.160	270:00.00	0.30000	
34	15:15:00	98.02	49.290	285:00.00	0.17001	
35	15:29:00	98.19	49.460	299:00.00	0.0000	
36	15:31:00	86.16	37.430	301:00.00	12.030	1.0000
37	15:32:00	82.22	33.490	302:00.00	15.970	2.0000
38	15:33:00	79.80	31.070	303:00.00	18.390	3.0000
39	15:34:00	78.06	29.330	304:00.00	20.130	4.0000
40	15:35:00	76.55	27.820	305:00.00	21.640	5.0000
41	15:36:00	75.38	26.650	306:00.00	22.810	6.0000
42	15:37:00	74.24	25.510	307:00.00	23.950	7.0000
43	15:38:00	73.28	24.550	308:00.00	24.910	8.0000
44	15:39:00	72.41	23.680	309:00.00	25.780	9.0000
45	15:40:00	71.60	22.870	310:00.00	26.590	10.0000
46	15:42:00	70.21	21.480	312:00.00	27.980	12.0000
47	15:44:00	69.00	20.270	314:00.00	29.190	14.0000

	Time	Water Level	Drawdown	Time, minutes after pump on	Recovery, feet	Time, minutes after pump off
48	15:46:00	67.93	19.200	316:00.00	30.260	16.000
49	15:50:00	66.24	17.510	320:00.00	31.950	20.000
50	15:55:00	64.56	15.830	325:00.00	33.630	25.000
51	16:00:00	63.23	14.500	330:00.00	34.960	30.000
52	16:10:00	61.25	12.520	340:00.00	36.940	40.000
53	16:20:00	59.73	11.000	350:00.00	38.460	50.000
54	16:30:00	58.53	9.8000	360:00.00	39.660	60.000
55	16:45:00	57.15	8.4200	375:00.00	41.040	75.000
56	17:06:00	55.68	6.9500	396:00.00	42.510	96.000
57	17:15:00	55.17	6.4400	405:00.00	43.020	105.00
58	17:30:00	54.44	5.7100	420:00.00	43.750	120.00
59	17:45:00	53.79	5.0600	435:00.00	44.400	135.00
60	18:00:00	53.25	4.5200	450:00.00	44.940	150.00

7.25
6.30
7.30
7

15
0.33
76

AQUIFER TEST DATA SHEET

Well Owner George Walker Date 7/17/91

Owner's Address _____ Telephone # _____

Well Location, T. _____ R. _____ Section _____, County Clackamas

Measuring Point _____

Elevation _____ Depth _____ Airline Length N/A Observer MJZ

Electric Meter Start domestic kwh, End _____ kwh, Meter Constant _____

(not used) Tape is - 250 ft

Date	Time of Measurement	Time Since Pump Start	Time Since Pump Stop	t/E'	PSI	Tape Measurement	Cut	Depth to Water	S	Flow Meter	Q	Remarks
7/17/91	0927	pre test				300-285	-1.22	48.78		681		Recheck
"	0943	" "				"	-1.24	48.76		"		gals/min
"	0959	" "				"	-1.26	48.74		"		
	1012	" "				"	-1.26	48.74		"		S/N 1361372
	1027	" "				"	-1.27	48.73		"		
	1030	pre pump								68100		
	1032	2				305	-0.44			68750		bad meter
	1034	4								68450		hang up
	1036	6								68330		giving dr.
	1037	7				325	+2.26	77.26		-		
	1039	9				330	-0.07	79.93		68550		
	1040	10				330	+0.77	80.73		68740		24 gpm 1037-2
	1042	12				330	1.96	81.96		68960		
	1044	14				336	3.64	83.64		69230		
	1046	16				336	3.95	83.95		69390		
	1050	20				335	+0.39	85.39		69690		70 gpm 1040-50
	1055	25				335	+1.72	86.72		70070		
	1100	30				335	+2.78	87.78		70450		76 gpm 1050-100
	1105	35				340	-1.43	88.57		70830		
	1110	40				346	-0.71	89.29		71200		75 gpm
	1120	50				346	+0.48	90.48		72010		75 gpm
	1130	60				346	+1.71	91.71		72670		75 gpm 1120
	1140	70				346	+2.35	92.34		73400		
	1150	80				340	+2.92	92.92		74150		
	1200	90				340	+3.87	93.87		74880		

Walker well

page 3

7/17/91

time of meas.	Hold	Cut	water level below mp.	Flow Meter (Pump is off)	Q or Remarks
1542	320	+0.21	70.21		
1544	320	-1.00	69.00		
1546	315	+2.93	67.93		
1550	315	+1.24	66.24		
1555	310	+4.56	64.56		
1600	310	+3.23	63.23		
1610	310	+1.25	61.25		
1620	310	-0.27	59.73		
1630	305	+3.53	58.53		
1645	305	+2.15	57.15		
1700 6	305	+0.68	55.68		
1715	305	+0.17	55.17		
1730	305	-0.56	54.44		
1745	305	-1.21	53.79		
1800	300	+3.25	53.25		

Dis?
 - Neighbor Van Klee
 started sprinkling
 about 1615
 (could affect results)

AQUIFER TEST DATA SHEET

Well Owner Eastman Date 7/1/52

Owner's Address _____ Telephone # _____

Well Location, T. _____ R. _____ Section _____, County _____

Measuring Point 1 foot below ground surface (-1.00)

Elevation _____ Depth _____ Airline Length _____ Observer Mayer

Electric Meter Start _____ kwh, End _____ kwh, Meter Constant _____

LEDCUT (-340 feet) OFF OF TAPE

Date	Time of Measurement	Correction Time Since Pump Start -340 ft	Top Depth Time Since Pump Stop	44' CUT	PST	Tape Measurement w/o CUT	Cut	Depth to Water	Correction 5' since start -340	Flow Meter corrected for ground surface	Q	Remarks
7/1	7:05	70.84	409.87	-.13		410	-.13	409.87	69.87	70.87		
	7:20	70.88	409.88	-.12		410	-.14	409.86	69.86	70.86		
	7:38	"	"	-.12		410	-.15	409.85	69.85	70.85		
	9:57	"	"	-.12	←	410	-.15	409.85	69.85	70.85		
	9:44	"	"	-.12		410	-.15	409.85	69.85	70.85		
	10:22	"	"	-.12		410	-.15	409.85	69.85	70.85		
1	10:31	"	"	-.12		410	-.15	409.85	69.85	70.85		
7	10:37	"	"	-.12		410	-.15	409.85	69.85	70.85		
15	10:45	"	"	-.12	←	410	-.15	409.85	69.85	70.85		
22	10:52	"	"	-.12		410	-.15	409.85	69.85	70.85		
33	11:03	70.96	409.96	-.14		410	-.15	409.85	69.85	70.85	0.09	+1.10
41	11:10	71.04	410.04	.04		410	-.15	410.05	70.05	71.05	0.16	+1.20
51	11:20	71.08	410.08	.08		410	-.15	410.10	70.10	71.10	0.20	+1.25
61	11:35	71.20	410.20	.20	←	410	-.15	410.23	70.23	71.23	0.32	+1.38
79	11:49	71.21	410.21	.21		410	-.15	410.25	70.25	71.25	0.33	+1.40
96	12:06	71.34	410.34	.34		410	-.15	410.44	70.44	71.44	0.41	+1.56
116	12:26	71.42	410.42	.42		410	-.15	410.50	70.50	71.50	0.54	+1.65
135	12:45	71.58	410.50	.50		410	-.15	410.57	70.57	71.57	0.62	+1.75
155	1:05	71.71	410.59	.59		410	-.15	410.70	70.70	71.70	0.71	+1.85
175	1:25	71.87	410.60	.60		410	-.15	410.79	70.79	71.79	0.78	+1.97
195	1:45	71.90	410.70	.80	←	410	-.15	410.90	70.90	71.90	0.92	+2.05
214	2:04	71.90	410.80	.80	←	410	-.15	410.90	70.90	71.90	0.92	+2.10
232	2:22	71.90	410.80	.80	←	410	-.15	410.90	70.90	71.90	0.92	+2.10
259	3:49	71.95	410.80	.85	←	410	-.15	410.90	70.90	71.90	0.92	+2.10
279	3:09	72.00	411.00	1.00	←	410	-.15	411.00	71.00	72.00	1.00	+2.10

AQUIFER TEST DATA SHEET

Well Owner Eastman Date 7/17/91

Owner's Address _____ Telephone # _____

Well Location, T. _____ R. _____ Section _____, County _____

Measuring Point _____

Elevation _____ Depth _____ Airline Length _____ Observer Meyer

Electric Meter Start _____ kwh, End _____ kwh, Meter Constant _____

410-340 = 70

Date	Time of Measurement	Time Since Pump Start	Time Since Pump Stop	t/t'	PSI	Tape Measurement	Cut	Depth to Water (-340)	Flow Meter +1	Remarks	
7/17/91	3:27	297				410	+1.07	71.07	119	72.07	
	3:31	301				410	+1.07	71.07	119	72.07	
	3:34					410	+1.07	71.07	119	72.07	
	3:38					410	+1.07	71.07	119	72.07	
	3:41					410	1.1	71.1	122	72.1	questionable
	3:43					410	1.06	71.06	118	72.06	
	3:46					410	1.02	71.02		72.02	
	3:50					410	1.02	71.02		72.02	
	3:55					410	1.02	71.02		72.02	
	3:59					410	1.02	71.02		72.02	
	4:02					410	.98	71.02		72.02	
	4:10					410	.98	71.02		72.02	
	4:16					410	.98	71.02		72.02	
	4:22					410	.94	71.02		71.94	
	4:26					410	.90	71.02		71.90	
	4:31					410	.88	71.02		71.88	
	4:37					410	.87	71.02		71.87	
	4:42					410	.86	71.02		71.86	
	4:47					410	.85	71.02		71.85	
	4:53					410	.85	71.02		71.85	
	5:07					410	.82	71.02		71.82	
	5:10					410	.80	71.02		71.80	
	5:18					410	.80	71.02		71.80	
	5:24					410	.80	71.02		71.80	

MP OP → :30

→

AQUIFER TEST DATA SHEET

Well Owner Nelson Date 7/17/91

Owner's Address _____ Telephone # _____

Well Location, T. _____ R. _____ Section _____, County _____

Measuring Point + 1.17' above ground (41.17)

Elevation _____ Depth _____ Airline Length _____ Observer Meyer

Electric Meter Start _____ kwh, End _____ kwh, Meter Constant _____

DEDUCT (-500) OFF OF TAPE

Date	Time of Measurement	Time Since Pump Start	Time Since Pump Stop	Tape Measurement	Cut	Depth to Meter	Flow Meter	Remarks
	32.73		33.83	35				
7:17	30.54	1.17	28.83	30	530	531.85	31.85	30.62
7:25	"	"	"	30	530	531.85	31.85	30.62
7:32	"	"	"	30	530	531.75	31.85	30.62
7:40	"	"	"	30	530	531.75	31.85	30.62
7:47	30.53	1.7	"	30	530	531.83	31.83	30.66
7:55	"	1.7	"	30	530	531.83	31.83	30.66
8:04	"	1.7	"	30	530	531.83	31.83	30.66
10:42	"	1.7	"	30	530	531.83	31.83	30.66
10:48	30.53	1.7	"	"	530	531.83	31.83	30.66
10:49	30.51	1.62	"	"	530	531.83	31.83	30.66
11:06	"	"	"	"	530	531.83	31.83	30.66
11:15	"	"	"	"	530	531.83	31.83	30.66
11:22	30.51	"	"	"	530	531.83	31.83	30.66
11:38	30.48	1.65	"	"	530	531.83	31.83	30.66
11:57	"	"	"	"	530	531.83	31.83	30.66
12:14	"	"	"	"	530	531.83	31.83	30.66
12:29	"	"	"	"	530	531.83	31.83	30.66
1:17	30.48	"	"	"	530	531.79	31.79	30.66
1:09	30.45	1.62	"	"	530	531.75	31.75	30.66
1:30	30.46	1.63	"	"	530	531.75	31.75	30.66
1:40	30.45	1.62	"	"	530	531.75	31.75	30.66
1:49	"	1.62	"	"	530	531.75	31.75	30.66
2:00	30.41	1.58	"	"	530			
2:12	30.43	1.60	"	"				

10:30 →

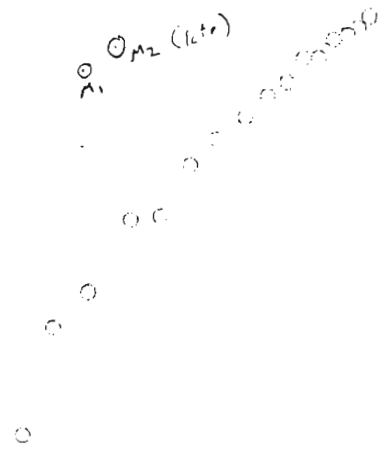
Eastberg well drawdown

10

1.0

0.1

0.01



$r = 550 \text{ ft}$
 $Q = 733 \text{ gpm}$

Time (minutes)

1000 2000

$$T = \frac{114.6 Q}{S}$$

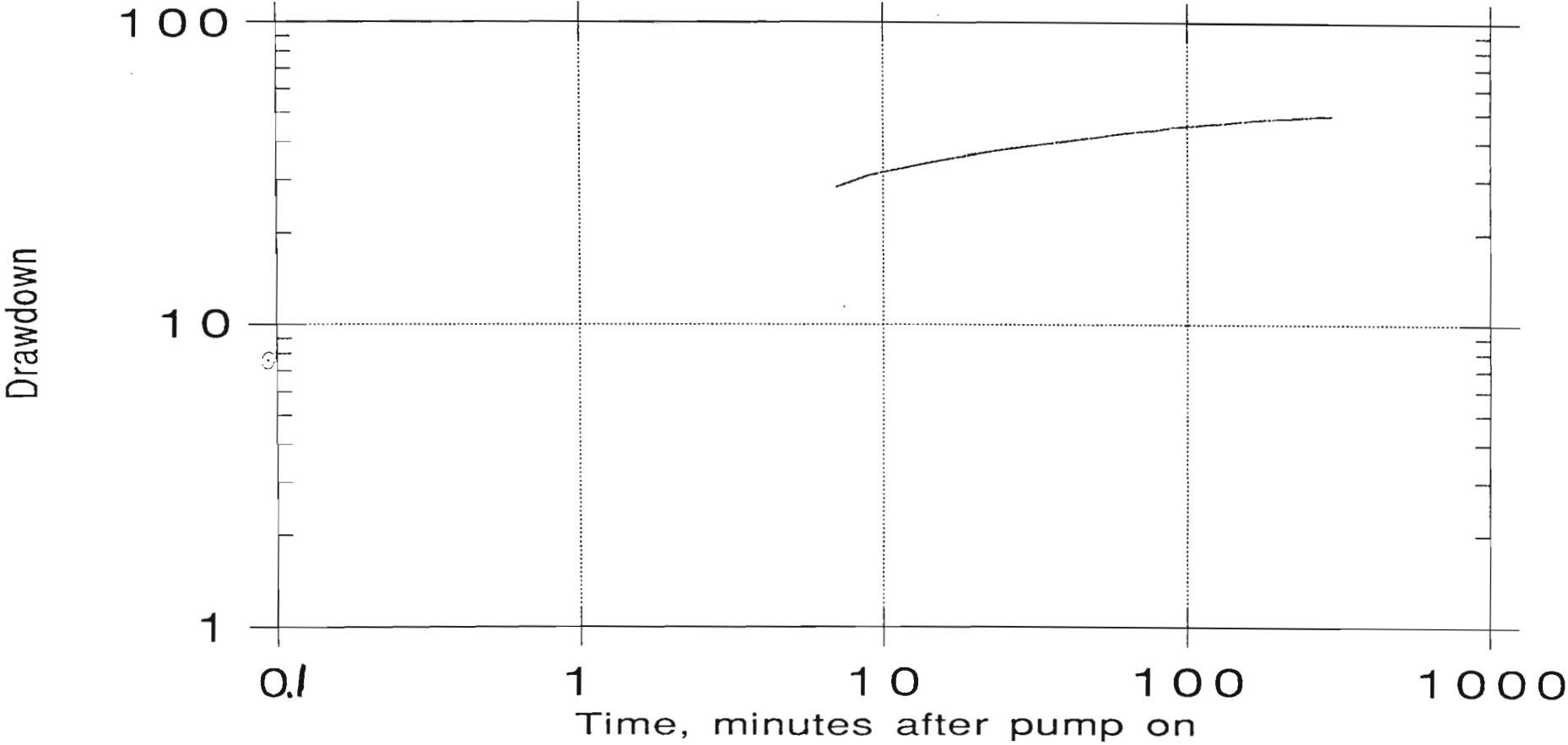
$$S = \frac{T(t_w)}{2693 r^2}$$

$M_1 = 10,121$
 $M_2 = 8660$
 $m_1 = 5.96 \times 10^{-4}$
 $m_2 = 6.27 \times 10^{-4}$

$M_1: t_w = 48, s = 0.83$
 $M_2: t_w = 59, s = 0.97$

— Drawdown

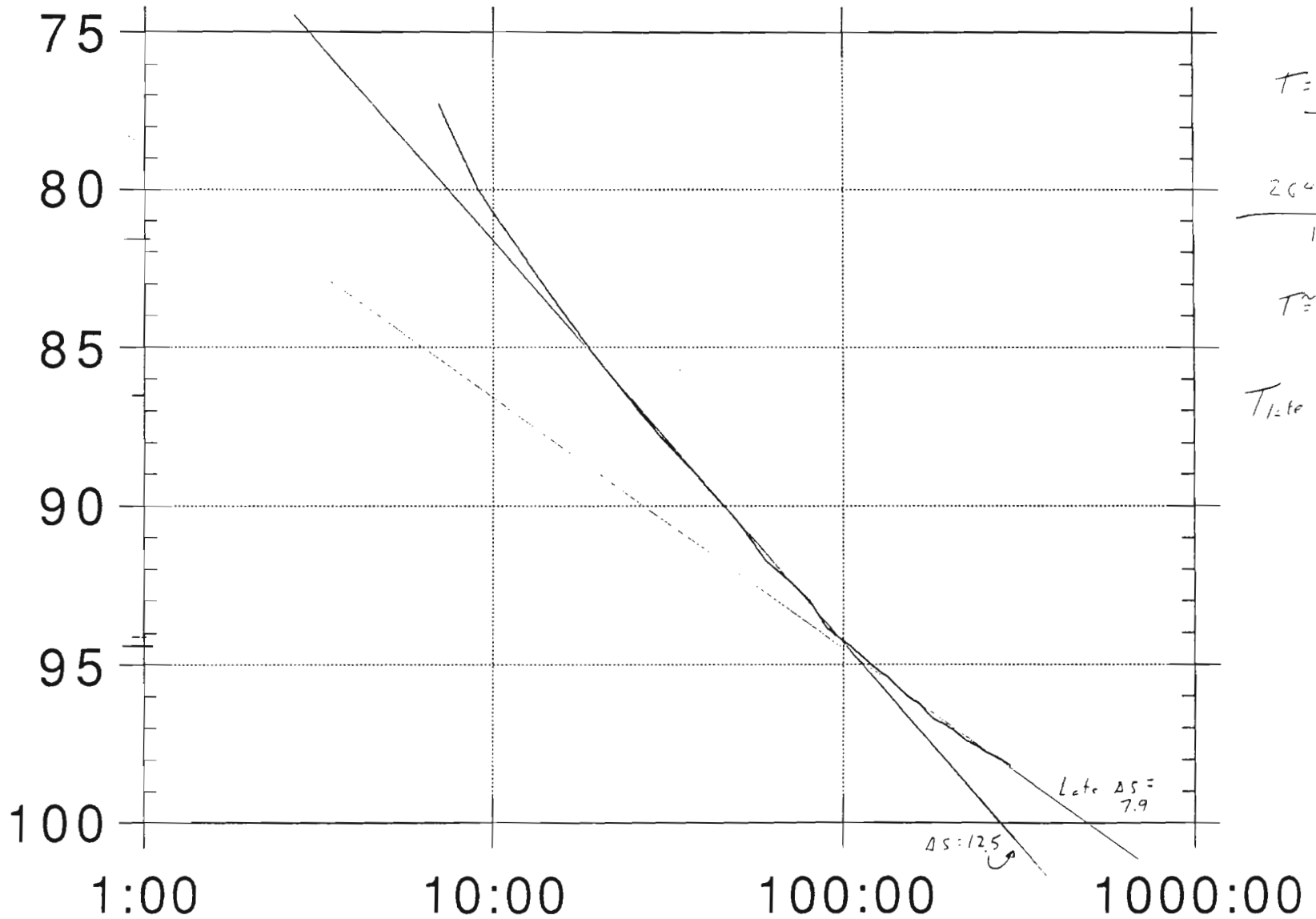
Walker Well Test Data 3



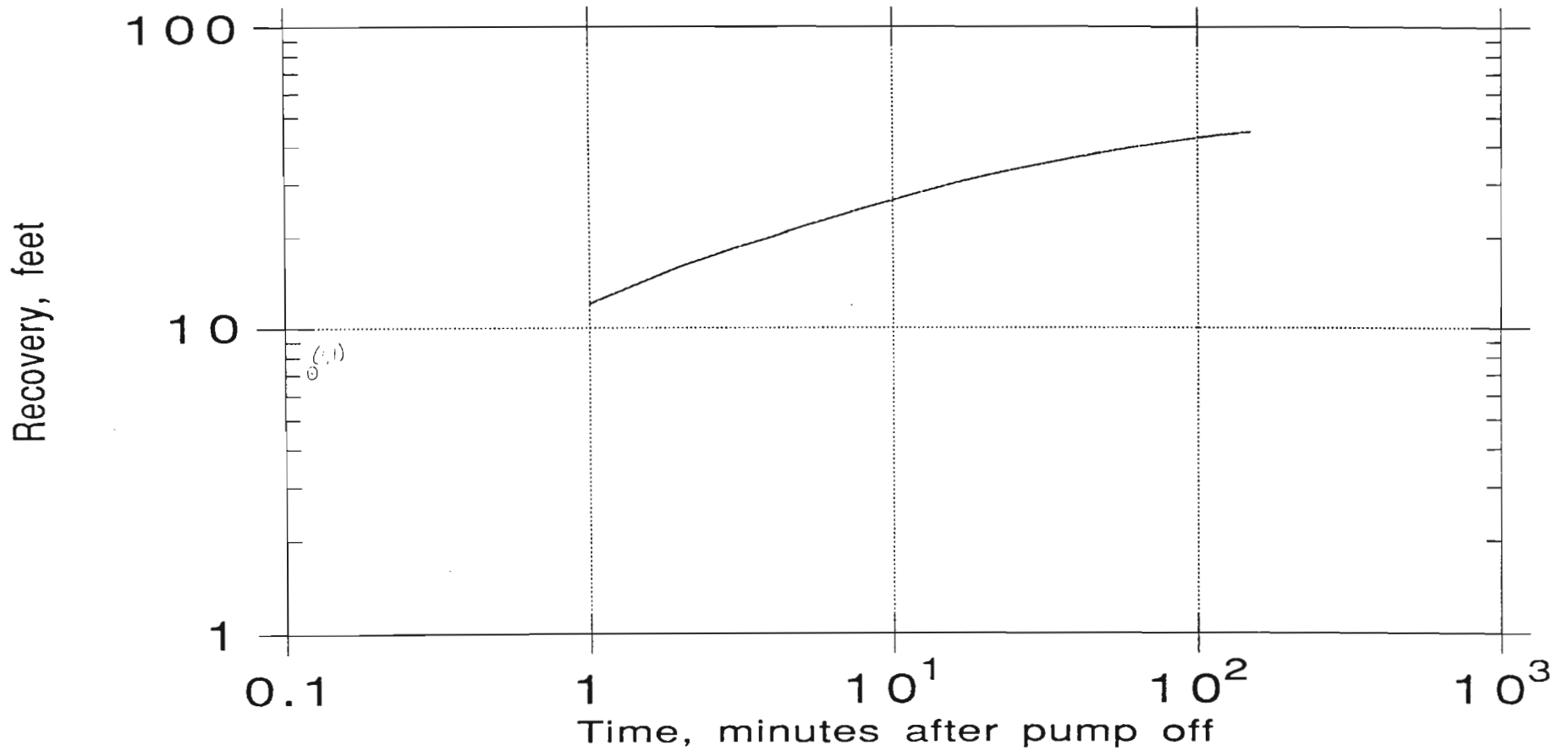
$$T = \frac{114.6 Q}{S} = 977$$
$$S = 8.6$$

Walker-Couper-Jacob

Drawdown



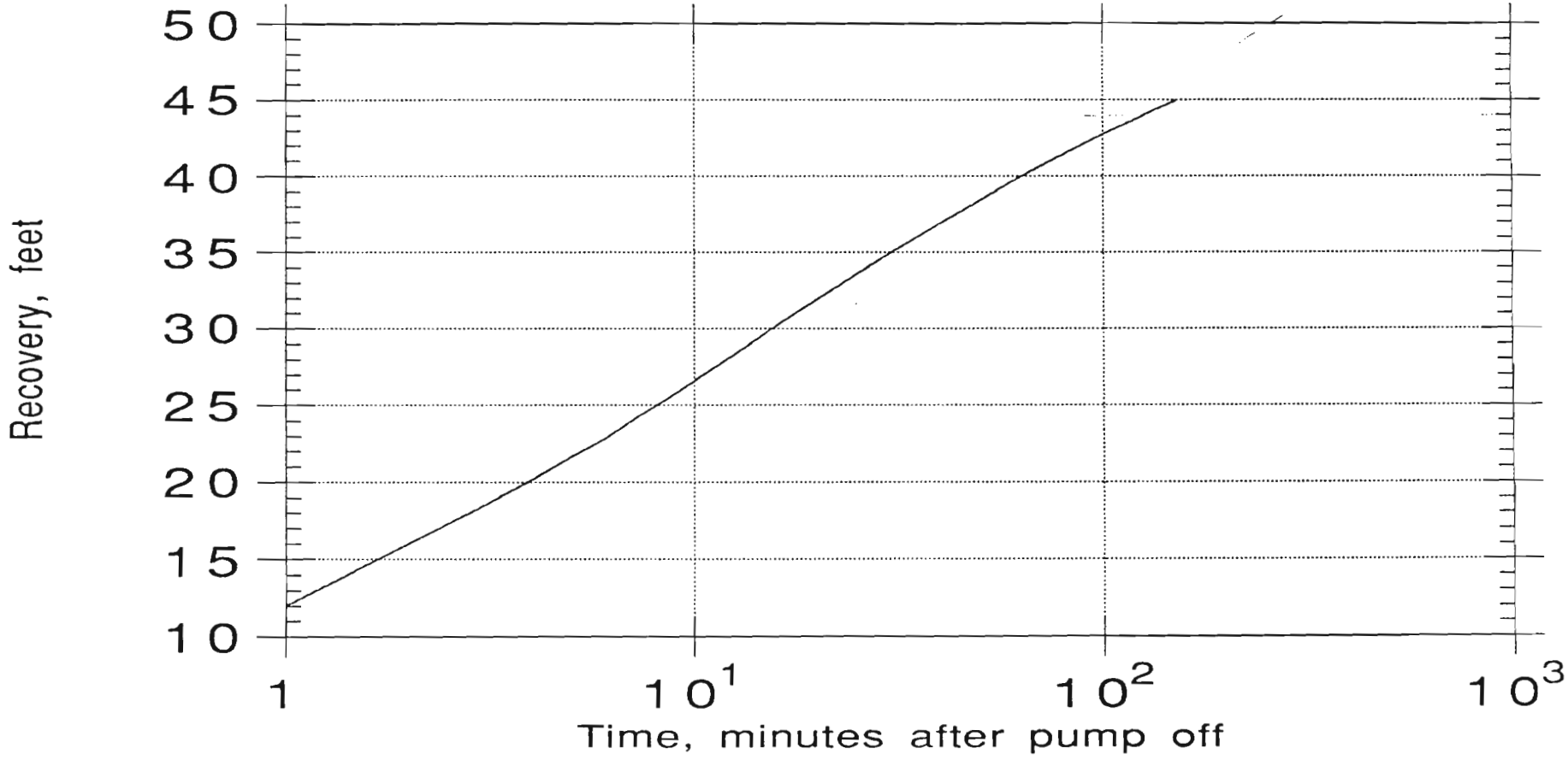
Walker Well Test Data 4



$$\begin{aligned}
 T &= \frac{114.6 \text{ G}}{5} \\
 &= \frac{114.6 \times 7.33 \text{ ft}^3}{7.2 \text{ ft}} \\
 &= 1167 \text{ gal/ft}^2
 \end{aligned}$$

— Recovery, feet

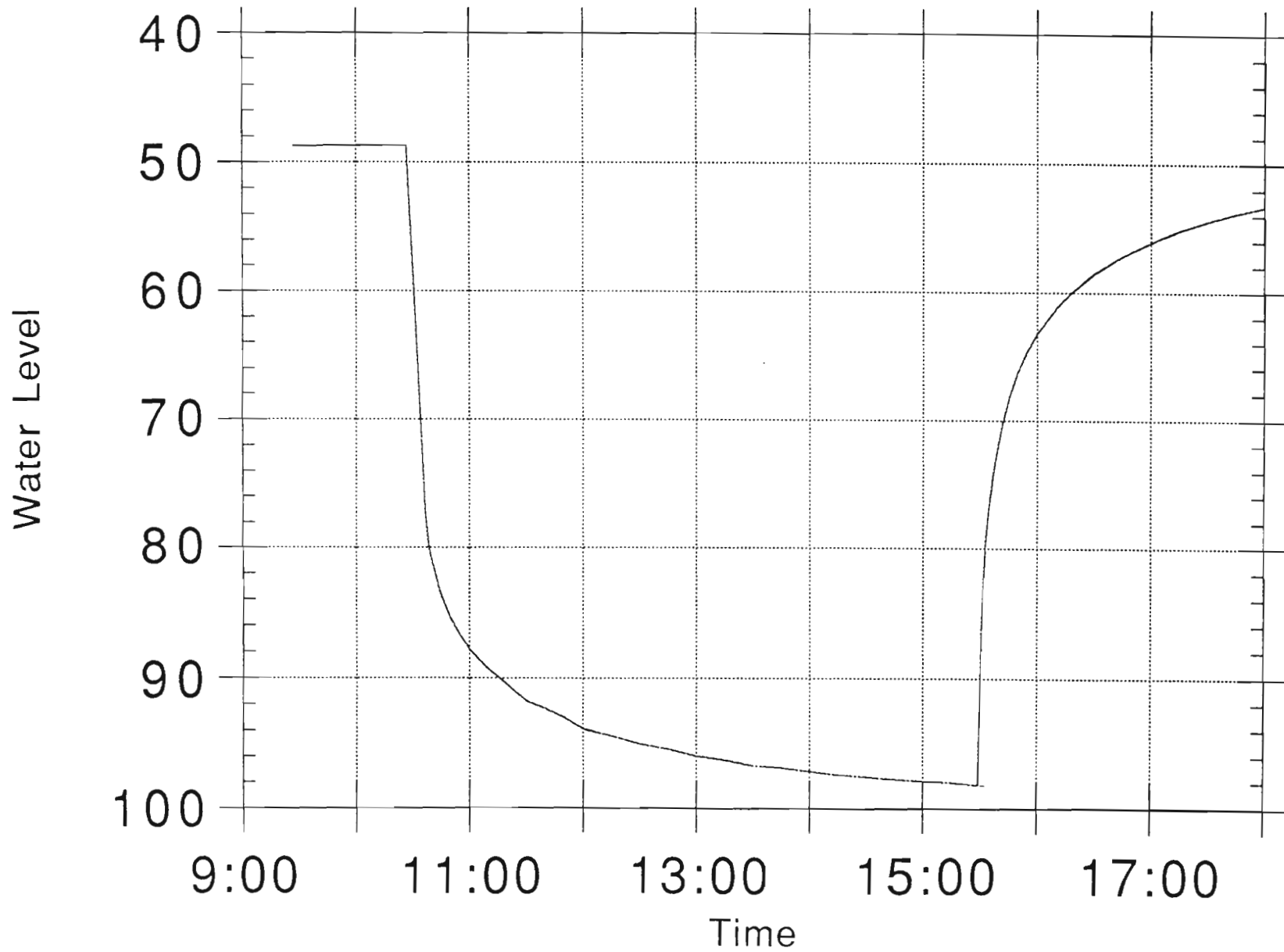
Walker Well Test Data 4



$\Delta s = 16.35$

$$\frac{16.35}{150} = 108.9 \text{ gpd/ft.}$$

Walker Well Test Data 2



Water Level Data from Wells in the Walker/Nielsen Area

Well Location	Date	W.L. - ft	Comments
Geo. Walker Irrig.	12/30/88	48	Driller's Report, 129' total depth, 1 hr air test at 60 gpm
20276 S. Oakmont	3/27/91	48.95	static water level below measuring point
Elev ~225'	7/11/91	49.19	static water level below measuring point
631-2233			
Robert Nielsen	7/22/70	52 or 32	Driller's Report, 80' total depth, pump test 24 gpm/28'dd/2 hrs
20090 S. Bakers Ferry	10/2/85	33	Driller's Deepening Report, 97' total depth, 1 hr air test at 18 gpm
Elev ~225'	2/26/91	23.95	static water level below measuring point
631-2280	3/27/91	24.5	static water level below measuring point
	7/11/91	33.84	static water level below measuring point; recovering-pump cycling
Sid Eastburg	2/19/71	27	Correct log?? 60' total depth, pump test 30 gpm/33'dd/1 hrs
20139 S. Bakers Ferry	7/16/74	40	Driller's Deepening Report, 93' total depth, 1 hr air test at 10 gpm
Elev ~225'	2/26/91	68.9	static water level below measuring point
631-3690	3/27/91	69.2	static water level below measuring point
	7/11/91	69.88	static water level below measuring point

12/30/88
 60 gpm
 153' S. Bakers Ferry

ATTACHMENT 5

DIRECTOR'S PRELIMINARY DETERMINATION

OREGON DEPARTMENT OF WATER RESOURCES

DIRECTOR'S PRELIMINARY DETERMINATION RE: APPLICATION G11984

Application G11984 was filed on November 7, 1989 by George Walker for use of groundwater from a well located in the NW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 21, Township 2 South, Range 3 East, Willamette Meridian, in Clackamas County, Oregon. The proposed use from said well is for irrigation of 4.5 acres in the NW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 21 of said Township and Range. The amount requested to be appropriated is 86 gallons per minute (gpm) or 0.18 cubic foot per second (cfs). For irrigation of 4.5 acres, the maximum amount that would be allowed is 25.25 gpm.

Protests against approval of the application were filed by Robert Nielsen and Aron Eastberg. The protestants were concerned that use of water from the proposed well would interfere with the protestants' and others' exempt wells, which had previously experienced problems in the late summer following extended periods of pumping (24 hours or more) by the applicant at this well.

Applicant was also informed that the proposed well was within a quarter mile of Foster Creek, a tributary to a state scenic waterway, the Clackamas River, and that scenic waterway flows would likely be determined in December of 1990, but the application could be processed if it was shown that the well was not hydraulically connected to the stream located within or tributary to the scenic waterway.

An aquifer test was performed by Department staff on July 17, 1991. The test involved applicant Walker's irrigation well applied for in Application G11984, and the Nielsen and Eastberg domestic wells. Test results showed no hydraulic connection between the Walker irrigation well and the Nielsen well. The test results did show some connection between the Walker and Eastberg wells, but there was no substantial interference such as would warrant denial of this application. With appropriation at the Walker well limited to 25.25 gpm, predicted drawdown at the Eastberg well after 30 and 100 days of pumping is 1.8 feet and 2.2 feet, respectively.

Test results showed further that the problems experienced in the past at the Nielsen well are not related to pumping at the Walker well, but may indicate a need to recondition or deepen the well. The Eastberg well may likewise need to be reconditioned, deepened or replaced, and does not fully develop the aquifer.

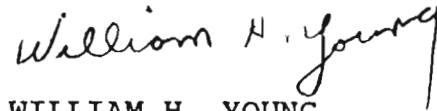
Staff review of the application, the water bearing zone targeted by the well constructor and the lithology described in the well log determined that the Walker well does not have the potential for substantial interference with Foster Creek and will therefore not interfere with the scenic waterway flows.

As there is no, or no significant, hydraulic connection between the

Walker irrigation well and protestants' domestic wells, and as there is no potential for interference with scenic waterway flows, the Director finds that existing rights and the public interest would not be harmed by approval of this application for permit.

The Director's preliminary determination is that Application G11984 may be approved, and a permit issued for use of up to 25.25 gpm, and that existing rights and the public interest would not be adversely impacted thereby.

DATED and ISSUED this 1st day of October, 1991.



WILLIAM H. YOUNG
Director

NOTICE: If you disagree with this Preliminary Determination, you may renew your protest against approval of the application and issuance of the permit with conditions, within 20 days of the date of issuance of this Preliminary Determination. Renewal of protest shall be in writing, describing with specificity the grounds for protest and the action you would ask the Water Resources Commission to take on this matter. The written renewal of protest should be sent to the Director's attention at 3850 Portland Rd. NE, Salem, Oregon, 97310.

ATTACHMENT 6

LETTERS TRANSMITTING PRELIMINARY DETERMINATION

Oregon

September 27, 1991

Aron Eastberg
20138 South Bakers Ferry Rd.
Oregon City, OR 97045

WATER
RESOURCES
DEPARTMENT

RE: Aquifer pump test results, Walker/Nielsen/Eastberg wells
Protest against Application G11984

Dear Mr. Eastberg:

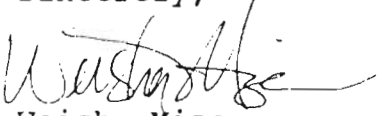
Enclosed please find a report on the pump test results performed by Mike Zwart and Sarah Meyer on the above-named wells. This test was done in response to the protests filed by you and Mr. Nielsen against George Walker's Application G11984.

As you can see from page 2 of the memorandum, there is no connection between the Nielsen's well and the Walker well. There does appear to be some connection between your well and the Walker well, but the response of your well to pumping at the Walker well even for prolonged period of time is considered minor and not significant. It does not rise to the level of impact necessary to support a protest under the Department's Administrative rules. I've enclosed a copy of Division 8 for your reference.

Staff also determined that the problems you have experienced with your well are likely due to inadequacies in the condition of your well. It is recommended that you consult with a well constructor regarding reconditioning, deepening or replacement of your well.

Based on the test data and results, the Director will soon be issuing his Preliminary Determination on Application G11984. His recommendation will be that a permit be issued. After you have reviewed the report, please let me know by October 16th whether you wish to pursue your protest further.

Sincerely,



Weisha Mize
Hearings Referee

cc: George Walker
Robert Nielsen
Larry Nunn, WRD
Mike Zwart, WRD



3850 Portland Rd NE
Salem, OR 97310
(503) 378-3739
FAX (503) 378-8130

September 27, 1991

WATER
RESOURCES
DEPARTMENT

Robert Nielsen
20090 South Bakers Ferry Rd.
Oregon City, OR 97045

RE: Aquifer pump test results, Walker/Nielsen/Eastberg wells
Protest against Application G11984

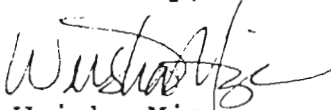
Dear Mr. Nielsen:

Enclosed please find a report on the pump test results performed by Mike Zwart and Sarah Meyer on the above-named wells. This test was done in response to the protests filed by you and Mr. Eastberg against George Walker's Application G11984.

As you can see from page 2 of the memorandum, there is no connection between your well and the Walker well. It appears that the brown water and low pressure problems complained of are a result of inadequacies in the condition, and perhaps construction, of your well, rather than as a result of pumping at the Walker well. It is recommended that you consult with a licensed well constructor or pump installer to determine if your system is operating properly.

Based on the test data and results, the Director will soon be issuing his Preliminary Determination on Application G11984. His recommendation will be that a permit be issued. After you have reviewed the report, please let me know by October 16th whether you wish to pursue your protest further.

Sincerely,



Weisha Mize
Hearings Referee

cc: George Walker
Aron Eastberg
Larry Nunn, WRD
Mike Zwart, WRD



3850 Portland Rd NE
Salem, OR 97310
(503) 378-3739
FAX (503) 378-8130

ATTACHMENT 7

EASTBERG PROTEST AGAINST PRELIMINARY DETERMINATION

11 October 1991

10: Weiska Mize, Oregon Water Resources Dept
3850 Portland Rd NE, Salem, OR 97310
Protest against application G11984

I disagree with the determination to issue a permit and wish to continue my protest against the approval of application G11984, George Walker, for the following reasons.

1. When he pumps 24 hours per day seven days per week, my well is depleted to the point of uselessness. I have experienced air in the lines and very little water.

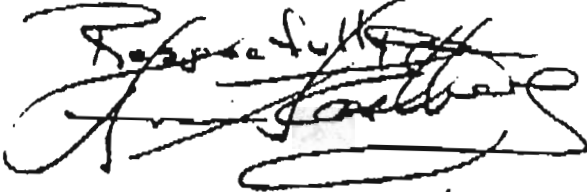
2. He is trying to irrigate land that is over stocked with cattle and he does not supplant his income with the cattle.

3. The irrigation well is also used to supply his house and I question if this is allowed, to be legal use of the well.

4. How will his well be controlled and monitored, and how many hours per day will he be allowed to pump?

5. There are other neighbors who have experienced problems with their wells last year during the time George Walker was irrigating his field.

I realize that my well may need to be deepened again but I do not think that anyone has the right to move into a neighborhood to do his thing irregardless of the effects on the neighbors. This man has had a well drilled and proceeded to irrigate knowing full well that he needed a permit to irrigate. If he had applied for the permit previous to drilling the well, I believe that there would not have been the problems we now have. It has been approximately seventeen years since our well was deepened and there has not been any problems until George Walker moved in and started his irrigation process and without this excess pumping I believe we may have continual trouble free for many years to come. I hope you can see and understand where I am coming from because I can not tolerate someone moving into the area and doing as they please with no consideration for the welfare of those affected by his actions.

Respectfully

Aron D. Eastberg

STATE OF OREGON
WATER WELL REPORT
 (as required by ORS 537.785)

CLAC

Skyles Drilling, Inc.
 1169 Molalla Ave.
 Oregon City, Oregon 97045
 656-2683

WATER PERMIT (START CARD) # 5466
 28/3E/10A

(1) OWNER: Well Number: 02
 Name George Walker - Andrew James Unincorporated
 Address 20276 S. Oakmont
 City Oregon City State Oregon Zip 97045

(2) TYPE OF WORK:
 New Well Deepen Recondition Abandon

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

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

(5) BORE HOLE CONSTRUCTION:
 Special Construction approval Yes No Depth of Completed Well 129 ft.
 Explosives used Yes No Type _____ Amount _____

HOLE			SEAL			Amount sacks or pounds
Diameter	From	To	Material	From	To	
12"	0	18	Gran. Bent.	0	18	15 sacks
8"	18	129				

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

(6) CASING/LINER:

Diameter	From	To	Gauge	Steel				Welded		Threaded	
				Plastic	Welded	Threaded	Welded	Threaded	Welded	Threaded	
Casing: 8"	+2	129	.250	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Liner:				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final location of shoe(s) 129'

(7) PERFORATIONS/SCREENS:

Perforations Method Rotary Air
 Screens Type _____ Material _____

From	To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
114	124	1/8	270			<input checked="" type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>
						<input type="checkbox"/>	<input type="checkbox"/>

(8) WELL TESTS: Minimum testing time is 1 hour

Pump Bailer Air Flowing Artesian

Yield gal/min	Drawdown	Drill stem at	Time
60		112	1 hr.
50		105	1/2 hr.
38		100	1/2 hr.

Temperature of water 54° Depth Artesian Flow Found _____
 Was a water analysis done? Yes By whom Driller
 Did any strata contain water not suitable for intended use? Too little
 Salty Muddy Odor Colored Other _____
 Depth of strata: _____

(9) LOCATION OF WELL by legal description:
 County Clackamas Latitude _____ Longitude _____
 Township 2 So. Nor S. Range 3 East E or W. WM.
 Section 21 N.E. 1/4 S.W. 1/4
 Tax Lot 00914 Lot _____ Block _____ Subdivision _____
 Street Address of Well (or nearest address) 20276 S. Oakmont
Oregon City, Oregon

(10) STATIC WATER LEVEL:
48 ft. below land surface. Date 12-30-88
 Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
 Depth at which water was first found 76'

From	To	Estimated Flow Rate	SWI
76'	97'	5 gpm	
97'	101'	20 gpm	
115'	124'	60 gpm	48

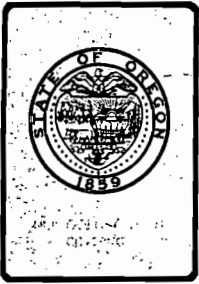
(12) WELL LOG: Ground elevation _____

Material	From	To	SWI
Clay brown	0	5	
Gravel & Clay	5	76	
Gravel medium	76	97	
Gravel & Sand	97	101	
Gravel medium & Clay	101	115	
Gravel & Sand	115	124	48
Clay gray	124	129	

Application No. G-11984
 Permit No. _____
 Date started 12-26-88 Completed 12-29-88

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

(bonded) Water Well Constructor Certification:
 I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. work performed during this time is in compliance with Oregon v construction standards. This report is true to the best of my knowledge & belief.
 Signed Kevin D. Skyles WWC Number 553 Date Dec. 30, 1988



Water Resources Department

3850 PORTLAND ROAD NE, SALEM, OREGON 97310

PHONE 378-3739

January 24, 1991

George Walker
20276 South Oakmont Lane
Oregon City, OR 97045-9455

REFERENCE: File G-11984

Dear Mr. Walker:

After your visit, I spoke with our Hearings Officer and our Groundwater Geology Section about your application. These folks are doing the research to be able to respond to the protest. Our hearings officer will send you copies of correspondence about the protest.

We will not be able to issue a permit until the protest is resolved. Also a review by our groundwater folks must also be made. The permit, if issued, may contain several conditions and limitations as a result of the protest and review.

At this time I am not able to estimate when the permit may be issued. You spoke about withdrawing the application if a permit could not be issued by spring. That of course is your option. You need to be aware that we are not able to refund the examination fee.

If you have any questions please call me.

Sincerely,

LARRY H. NUNN
Water Rights Specialist

LHN:cam
021

cc: Hearing Section

RECEIVED

FEB - 4 1991

PROTEST AGAINST
WATER USE APPLICATION

WATER RESOURCES DEPT.
SALEM, OREGON

I (We) Ann & Beverly R Eastberg
NAME(S)

20138 & Baker's Ferry Rd
MAILING ADDRESS

Oregon City, Oregon, 97045, 631 3690
CITY STATE ZIP TELEPHONE

do hereby protest the approval of pending application # 6-11984
made in the name(s) of George Walker - Andrew James Unincorporated
for use of water from Water Well
NAME OF WATER SOURCE

The proposed use is for irrigation of pasture land
and the intended place of use is Tax lot 0914, 20276 & Oakmont
(DESCRIBE BY ACREAGE, TAX LOT, ETC)

Oregon City Oregon 97045, Section 21, Township 2S,
AS ACCURATELY AS POSSIBLE) ^{SW 1/4}

Range 3E W.M, Clackamas County, Oregon.

My (our) water rights are: permit # _____ Certificate # _____

A copy of the pertinent tax plat map obtained from the Clackamas
County Assessor's Office is attached. The location of the proposed
use and point of diversion, and my/our property and point of
diversion have been marked on the map.

COMPLETE EITHER A/ OR B/, OR BOTH:

A/ My (Our) water rights would be adversely affected by the
proposed use in the following way(s):

see attached statement

Provide as much detail as possible - feel free to attach
additional paper. Remember that you will need to produce
testimony and evidence to support your allegations in the
event of a contested case hearing.

B/ ~~Cross out any phrases not applicable to your protest.~~

I / We do / do not have any water rights, but do not believe the proposed use would adversely effect them. However, I / We believe that the proposed use would have a significant adverse effect on the public interest in the following way(s): _____

(You should provide a clear explanation of how the proposed use would have substantial adverse effect(s) on the public interest) Remember that you will need to produce testimony and evidence to support your allegations in the event of a contested case hearing.

I / We have / have not (circle one) attempted to resolve this matter through discussion with the applicant. I / We have proposed the following alternatives or conditions which, in my / our opinion, would resolve my / our concern(s): _____

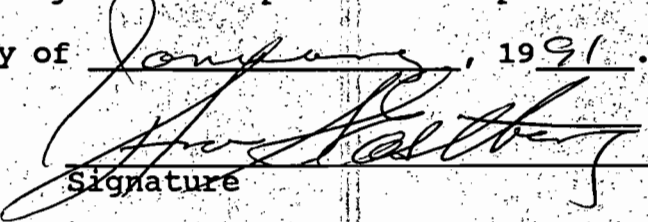
I / We understand that if this protest is not resolved informally, it may be necessary to present testimony and evidence in an administrative contested case hearing before the Water Resources Department in support of the allegations made in this protest.

In the event this matter goes to hearing, I / We do / do not (circle one) intend to have an attorney represent me / us. The attorney's name and address is _____

Proof of Service of a copy of this protest on the applicant is attached.

The statutory \$25.00 protest filing fee accompanies this protest.

Dated and Signed this 31 day of January, 1991.


Signature

Signature

January 17, 1991

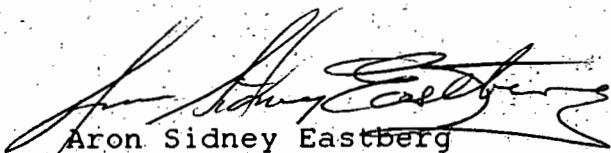
To Whom It May Concern:

I believe our water rights would be adversely affected by the proposed use of pumping water from Mr. Walker's well at 50-60 gallons per minute, 24 hours per day. This would affect the water table as it already has, depleting our water supply. During Mr. Walker's pumping, we have already had a lack of water pressure, air in the lines, and dirty water. Prior to the irrigation by Mr. Walker we had not experienced any problems with our well since 1974 when it was deepened. This pumping of water has also affected some of the neighbors in this area, who have individually talked to Mr. Walker about this problem. He believes, however, that he has the right to pump all the water he needs to produce grass for his cows. I believe he is overstocking the pasture available and defeating the ability to raise stock economically. He has had 12-14 cows on four acres when it is recommended to have one or two per acre. There are other farms near with livestock who are not irrigating for grass because they are not overstocked and they supplement with hay when grass is low. I have tried to discuss this problem with Mr. Walker but he doesn't seem to accept the fact that his actions are affecting his neighbors' wells and causing ill feelings toward his neighbors.

I have also consulted the State Water Master, Dave Jarrett, who wanted to know if I had a well or pump problem or was Mr. Walker's pumping affecting my well. He explained to me that it is very possible that the excessive pumping from Mr. Walker's well could very well lower the water table to an extent that all the neighbors could be affected. This appeared to be the problem because before and after his pumping we did not lack for water.

Thank you for your consideration in this matter.

Sincerely,



Aron Sidney Eastberg

ASE:jb

RECEIVED

FEB - 4 1991

WATER RESOURCES DEPT.
SALEM, OREGON

PROOF OF SERVICE

I, Aron S. Eastberg, being first duly sworn,
depose and say that on January 31 ~~December 20~~, 1991, I did
mail a copy of the attached protest against application number
G-11984 to the applicant by regular mail by placing a copy
of the protest in an envelope addressed to:

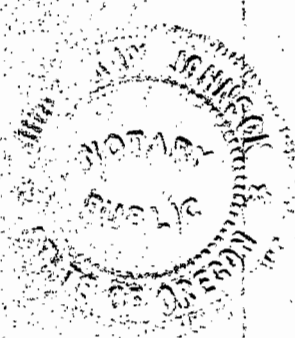
George Walker
(applicant) / (applicant's attorney)
20276 S Oakmont
(address)
Oregon City Oregon 97045
(city) (State) (zip)

and depositing it in the United States mail with sufficient
postage prepaid thereon.

Jan 31 1991
~~Dec 20 1990~~
(date)

[Signature]
(signature)

Subscribed to and sworn before me this 31 day of
January, 1991.



Andy Kay Johnson
Notary Public for Oregon
My commission expires 4/2/94

Received
from Mr. Walker
@ Counter

PROTEST AGAINST
WATER USE APPLICATION

I (We) Robert & Donna Nielsen
NAME(S)

20090 S Bakers Ferry Rd
MAILING ADDRESS

Oregon City , OR , 97045 , 631-2280
CITY STATE ZIP TELEPHONE

do hereby protest the approval of pending application # 6-11984

made in the name(s) of Mr Walker

for use of water from his well
NAME OF WATER SOURCE

The proposed use is for irrigation

and the intended place of use is John Foster DLC #1
(DESCRIBE BY ACREAGE, TAX LOT, ETC

5 W 1/4
~~Lot 49 on Dec 12 map of Main Fork~~ Section 21 Township 2 S ,
AS ACCURATELY AS POSSIBLE)

Range 3 E Wm. Clackamas County, Oregon.

My (our) water rights are: permit # _____ Certificate # _____

A copy of the pertinent tax plat map obtained from the Clackamas County Assessor's Office is attached. The location of the proposed use and point of diversion, and my/our property and point of diversion have been marked on the map.

COMPLETE EITHER A/ OR B/, OR BOTH:

A/ My (Our) water rights would be adversely affected by the proposed use in the following way(s):

Provide as much detail as possible - feel free to attach additional paper. Remember that you will need to produce testimony and evidence to support your allegations in the event of a contested case hearing.

for stock usage
personal household usage.

B/ Cross out any phrases not applicable to your protest.

~~X/~~ We do ~~not~~ have any water rights, but do ~~not~~ believe the proposed use would adversely effect ~~them~~. ~~However~~ We believe that the proposed use would have a significant adverse effect on the public interest in the following way(s):

See attached form

(You should provide a clear explanation of how the proposed use would have substantial adverse effect(s) on the public interest) Remember that you will need to produce testimony and evidence to support your allegations in the event of a contested case hearing.

~~I~~ We have / have not (circle one) attempted to resolve this matter through discussion with the applicant. ~~I~~ We have ~~proposed the following alternatives or conditions which, in my / our opinion, would resolve my / our concern(s):~~

The original complaint was filed by Mr. Eastberg who did try to talk to Mr. Walker. We talked with Dave Jarrett over this matter also.

I / We understand that if this protest is not resolved informally, it may be necessary to present testimony and evidence in an administrative contested case hearing before the Water Resources Department in support of the allegations made in this protest.

In the event this matter goes to hearing, ~~I~~ We do do not (circle one) intend to have an attorney represent ~~me~~ / us. The attorney's name and address is _____

However this is subject to change

Proof of Service of a copy of this protest on the applicant is attached.

The statutory \$25.00 protest filing fee accompanies this protest.

Dated and Signed this 7th day of January, 1991.

Robert F. Nielsen
Signature

Deanna M. Nelson
Signature

Robert F. Nielsen

20090 S. Bakers Ferry Rd.

Oregon City

We moved into our home in October, 1970, and were one of the first homes in this development. In the summer of 1971 a new home was built next to us. The builder approached us about putting in a community well which we would have control over. We did not want to become involved in anything like that which could become a potential source of ill-feelings among our neighbors. After being approached by the builder, we checked to see what would be necessary to gain water rights for ourselves to guarantee we would have adequate water. We were told we would have to pump a certain amount of gallons per month to be granted water rights. The amount was way more than we would or could use in a month even if we pumped continuously, so we no longer pursued trying to gain water rights. Each year, for several years, we planted a garden and about a month before time to harvest, we would get brown water and dirt coming into the house through the water pipes. We knew by this that we were running low on water and elected to conserve the remaining water for use in the house rather than the garden. When this same thing happened several years in a row, we elected due to a lack of water not to plant a garden again. By this time 7 to 10 homes had been placed on the development. After no longer planting a garden, there were several years we were again getting brown dirty water into the house and eventually we had our existing well deepened. Due to past experience even with a deeper well, we have not planted a garden or done extensive watering on our property. The shrubs are only watered at their roots and no unnecessary ground is watered. Even with a deeper well and very conservative water usage this year (1990), we have had brown water a couple of times. The times the water had been brown and pressure is down have been when Mr. Walker had been running his irrigation sprinklers for a prolonged period of time (at least 24 hours solid).

Because of the above background, we are not in favor of Mr. Walker being granted a permit to continually run water to green up pasture land for his cattle. We do not expect him to deprive his cattle of drinking water or that he not be able to water his garden, if he has one, but we do object to his depriving his human neighbors the right to an adequate clean water supply so he can green up the pastures. We would love to have a GREEN well-manicured plot of land to live on but because it involves $1\frac{1}{2}$ acres, we know it is not possible to have it without depriving our neighbors of water for useage in their homes. To us human useage of water is far more important than $1\frac{1}{2}$ acres of GREEN grass or a herd of cattle.

PROOF OF SERVICE

I, Robert F. Deora Nelson, being first duly sworn, depose and say that on January 7, 1991, I did mail a copy of the attached protest against application number G-11984 to the applicant by regular mail by placing a copy of the protest in an envelope addressed to:

Mr. Walker
(applicant) / (applicant's attorney)
20276 S Oakmont
(address)
Oregon City, OR 97045
(city) (State) (zip)

and depositing it in the United States mail with sufficient postage prepaid thereon.

1-7-91
(date)

Robert F. Nelson
Deora M. Nelson
(signature)

Subscribed to and sworn before me this 7th day of

January, 1991.

E Roberts
E ROBERTS
NOTARY PUBLIC OREGON
My Commission Expires _____

E Roberts
Notary Public for Oregon
My commission expires 4-22-94

STATE OF OREGON
COUNTY OF CLACKAMAS

PRELIMINARY
SUBJECT TO REVISION

PERMIT TO APPROPRIATE THE PUBLIC WATERS

THIS PERMIT IS HEREBY ISSUED TO

GEORGE WALKER
20276 SOUTH OAKMONT LANE
OREGON CITY, OREGON 97045

503-631-2233
503-246-2217

to use the waters of ONE WELL in the CLACKAMAS RIVER BASIN for IRRIGATION OF 4.5 ACRES.

This Permit is issued approving Application G-11984. The date of priority is NOVEMBER 7, 1989. The use is limited to not more than 0.183 CUBIC FOOT PER SECOND or its equivalent in case of rotation, measured at the well.

The well is located as follows:

NW 1/4 SW 1/4, SECTION 21, T 2 S, R 3 E, W.M.; 329 FEET NORTH AND 262 FEET WEST FROM SW 1/16 CORNER, SECTION 21.

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 2.5 acre-feet per acre for each acre irrigated during the irrigation season of each year.

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

A description of the proposed place of use under the permit is as follows:

NW 1/4 SW 1/4 4.5 ACRES
SECTION 21
TOWNSHIP 2 SOUTH, RANGE 3 EAST, W.M.

The well shall be constructed in accordance with the General Standards for the Construction and Maintenance of Water Wells in Oregon. The works constructed shall include an air line and pressure gauge or an access port for a measuring line, adequate to determine water level elevation in the well at all times. When required by the department, the permittee shall install and maintain a weir, meter, or other suitable measuring device, and shall keep a complete record of the amount of ground water withdrawn.

Actual construction work shall begin on or before , and shall be completed on or before October 1, 1991. Complete application of the water to the use shall be made on or before October 1, 1992.

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.

Issued this date, .

Water Resources Department
William H. Young, Director

APPLICATION G-11984
BASIN 2 VOLUME
G-11984.LCJ

WATER RESOURCES DEPARTMENT
CLACKAMAS RIVER WELLS

PERMIT G-
DISTRICT 16

Application No. 8-11984

Permit No. G11453
RECEIVED

STATE OF OREGON
WATER RESOURCES DEPARTMENT

NOV 07 1989

Application for a Permit to Appropriate Groundwater WATER RESOURCES DEPT.
SALEM, OREGON

Applicant: George Walker (Andrew James, Unincorporated, Agent President)

Mailing address: 20276 S. Oakmont Lane

Oregon City Oregon 97045 hm. 631-2233
City State Zip Phone No.
wk. 246-2217

I hereby make application for a permit to appropriate the following described groundwaters of the State of Oregon:

1. **THE DEVELOPMENT** (number of wells, tile lines, infiltration galleries, etc.):

1 8" well with 840 LF of 3" distribution line feeding 21 risers.

Use of water: water pasture/hay fields

Amount of water: _____ or 82
(cubic feet per second) (gallons per minute)

Diameter of well: 8" Depth in feet: 129

Type and size of well casing: 0.250 guage steel 8" No. of feet: 129

Estimated depth to water: 76
(feet)

Type of access port or measuring device: _____

Wells to be drilled by: Skyles Drilling

Address: Oregon City Oregon 97045
City State Zip

If the water well is flowing artesian, describe your water control and conservation works: _____

If development is less than 1/4 mile from a natural stream, give the following:

Distance from development to stream: _____

Elevation difference between streambed and development: _____

Note: Wells must be constructed according to standards set by the department for the construction and maintenance of water wells.

PC ✓ 29649
11/20 Qci

2. LOCATION (if there is more than one well or source, describe on another sheet):

329 _____ feet _____ North _____ and _____ 262 _____ feet _____ West _____
(N or S) (E or W)

from the S.W. 1/16 corner of Section 21
(Public Land Survey Corner)

located within the N.W. 1/4 of the S.W. 1/4 of Section 21,
 Township 2 South, Range 3 East, WM. Tax Lot 914,
 in Clackamas County.

3. PLACE OF USE (attach additional sheets, if necessary):

Township	Range	Section	¼ ¼ Section	Tax Lot No.	Use	Use or acres to be irrigated
2S	3E	21	N.W. S.W. 21	914	Agricultural	4.5

4. DESCRIPTION OF WATER-DELIVERY SYSTEM:

Length and dimensions of supply ditch or pipeline: 840 LF 3" p.v.c. subterranean
supply manifold feeding 21 sprinkler outlets.

Size and type of pump and motor: 6" F & W model 6P080A05 submersible pump with
5 H.P. motor.

Type of irrigation system (check appropriate box): Flood Wheel line

Hand line Drip Other sprinkler system

Other systems: _____

Proposed date construction will begin: Existing system

Proposed date of completion of system: Existing system

Proposed date water use will be completed: immediately

Is this groundwater source supplemental to another supply? no

If so, identify the supply and the existing water right: _____

Are lands (including well site, access for conveying water, and/or place of use) all under your ownership? Yes If not, list in the Comments section below or on an attached sheet, the names and mailing addresses of the legal owners of all property involved in the development.

NOTE: ORS 537 and OAR 690-217 require the results of a pump test be submitted to the Water Resources Department before a certificate of water right will be issued confirming the right to the use of water perfected under the terms of the permit. A pump test will be required within 10 years of the priority date in the event a certificate has not been issued within that time. The pump test must meet certain minimum criteria as detailed in OAR 690-217.

Comments: _____



Signature of Applicant
Agent President
Andrew James, Unincorporated

NOTE: This permit, when issued, is for the beneficial use of water. 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. It is possible that the land use you propose may not be allowed if it is not in keeping with the goals and the acknowledged plan. Your city or county planning agency can advise you about the land-use plan in your area.

Application No. 2-11984

Permit No. _____

(DO NOT WRITE IN THIS SPACE)

Dear Applicant:

I certify that I have examined the foregoing application, together with any accompanying information. I am returning it to you for the following reason(s): _____

In order to retain your priority, you must return this application with the requested corrections or additions on or before _____, 19 ____

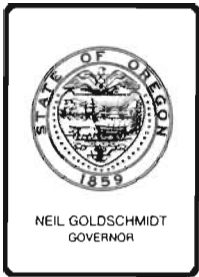
Date: _____, 19 ____

WATER RESOURCES DEPARTMENT

By: _____

RECEIVED at Oregon Water Resources Department on: November 7, 19 89
at 8:00 o'clock AM/PM.

Application No. 2-11984 Permit No. _____



Water Resources Department

3850 PORTLAND ROAD NE, SALEM, OREGON 97310

PHONE

378-3739

November 15, 1989

George Walker
20276 S. Oakmont Lane
Oregon City, Oregon 97045

REFERENCE: File G-11984

We received your application on November 7, 1989, describing the proposed use of cubic foot per second of water from one well for watering pasture and/hay fields. Supporting data and fees in the amount of \$200.00 were also received. Our Receipt 59653 is enclosed.

You are receiving this notice because you have a water right application pending with the Water Resources Department. Your proposed water development project is located within or upstream from a state scenic waterway. A recent Oregon Supreme Court decision (Diack) requires the Water Resources Commission to make certain findings about applications in these locations.

The Commission has directed the Department to postpone further processing of applications in these locations until the streamflows necessary for recreation and fish and wildlife uses within the scenic waterway have been determined. We are working with State Parks Division, Departments of Fish & Wildlife, and Environmental Quality to make these determinations as quickly as possible.

We expect the scenic waterway flows will be determined December, 1990, for your area.

Even though your application is within or above a scenic waterway, we will process your application in the normal manner if it fits any one of the criteria listed below:

- A. You propose to use groundwater that is not hydraulically connected to the stream located within or tributary to the state scenic waterway. Usually this means that your well would need to be at least one mile away from the nearest stream.
- B. Your proposed use of water is non-consumptive. It would pass through your project and return in equal amounts at a location upstream from the scenic waterway.
- C. You propose to contract for stored water as either your primary or supplemental source of supply and the owner of the stored water is willing to give you a contract.

November 15, 1989

Page two

- D. You propose to transfer an existing water right certificate by moving either the point of diversion or the place of use. You believe that such move will not change the amount of water in the stream from your current practices.

If your project does not fit into one of the above categories (A-D), you may want to modify it so that it does. Submit those modifications to us. If you can not modify your application to fit one of the above categories, you may want to consider one of the options below:

1. Leave your current application pending with us to hold your tentative priority date. After the flows are quantified, we will resume processing your application. If it turns out that not enough water is available to meet the recreational demands for the scenic waterway, we may have to deny your request. The examination fees will not be refunded, but any recording fees you submitted will be refunded.
2. Withdraw your application. The examination fee is non-refundable, but any recording fees which were submitted will be refunded. If after flows needed for the scenic waterway are quantified you believe that there is enough water left for your proposed use, file a new application with the appropriate fees to establish a new priority date. Your new application will then be processed using more definite information regarding the availability of water for your proposed use.
3. Conduct sufficient flow studies of your own using methods approved by Parks Division and Fish & Wildlife. Then, submit information demonstrating that your proposed use of water will not impair the flows needed for the scenic waterway.

We advise you to avoid committing any resources toward your project on the assumption that your permit will be issued. Use of water cannot legally be made without the permit and the outcome of the scenic waterway study is not predictable at this time. Some streams are likely to have no water available except during high flow periods. It is possible that there will not be enough water left for your proposal after the studies are done.

If you want to wait for the results of the flow studies, you do not need to contact us. We will assume that you want to leave your application pending (alternative #1, above).

If your choice is either alternative #2 or #3, please return this letter with your comments.

If you have any questions not answered by this letter, please contact the Applications and Permits Section at 378-3739.

Sincerely,

STEPHEN C. BROWN

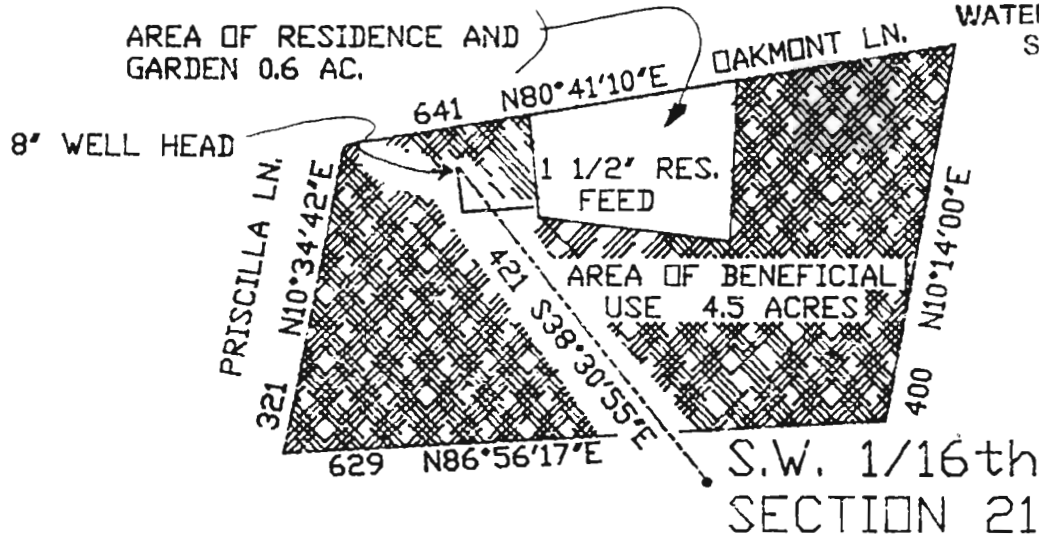
Water Right Specialist cc: Russell A. Lawrence, CWRE Enclosure

S.W. 1/4 SECTION 21
T.2S., R.3E., W.B.&M.

RECEIVED

NOV 07 1989

WATER RESOURCES DEPT.
SALEM, OREGON



LEGEND:

AREA OF BENEFICIAL USE

--- SECTION CORNER TIE

Application No. *D-11984*
Permit No. *G11452*

APPLICATION SURVEY

for

GEORGE WALKER —
ANDREW JAMES
UNINCORPORATED



SCALE
1"=200'

SURVEYED OCTOBER 13, 1989
BY RUSSELL A LAWRENCE

R.A. LAWRENCE & ASSOCIATES, INC.



3001 WILLAMETTE FALLS DRIVE
WEST Linn, OREGON 97008
PHONE (503) 858-8804

ACCT. 641

APPLICATION PROCESSING OUTLINE

Basin: _____
Sub-basin: _____
Fees paid: Examination fee: _____
Recording fees: _____
Total: _____

Application No. **C-11984**
Permit No. _____

RATE AND DUTY _____ for irrigation

1. Check for minimum information (OAR 690-11-020)

yes	no	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Name and mailing address of the applicant.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Source of the water.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Quantity of water to be appropriated.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Location of point of diversion to 1/4 1/4 Section.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Nature and place of use.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Name and mailing address of all legal owners of the properties involved.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Signature of the applicant
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Examination fees.
<p>If minimum information not supplied, excepting legal owner information, then return to applicant with letter explaining deficiencies.</p>		
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Resources Commission classification limits or restrictions -- If yes, note: _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	State Engineer's withdrawals -- If yes, note: _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Legislative withdrawals -- If yes, note: _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	If policy statement is unclear check with Resources Management Division.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Scenic Waterway: _____ ___ on ___ up-stream ___ w/in 1/4 mile ___ Notify Parks and Recreation Department
<input type="checkbox"/>	<input type="checkbox"/>	Out-of-basin diversion
<input type="checkbox"/>	<input type="checkbox"/>	Need to route to Geology Section due to: ___ well within one mile of a stream ___ well within restricted surface water area ___ wells with request for greater than 5 cfs ___ well is for heating &/or cooling ___ well constructed by land owner ___ well is artesian ___ artificial ground water recharge project ___ ground water area under study
<input type="checkbox"/>	<input type="checkbox"/>	Within Irrigation District: ___ Notify ___ Need excerpt from District
<input type="checkbox"/>	<input type="checkbox"/>	Legal description of property
<input type="checkbox"/>	<input type="checkbox"/>	Ownership statement
<input type="checkbox"/>	<input type="checkbox"/>	Other parties to Notify: _____
<input type="checkbox"/>	<input type="checkbox"/>	Water Resources Commission review if: ___ Request for greater than 5 cfs ___ Dam height greater than 10 feet ___ Storage of more than 9.2 acre-feet ___ Out-of-basin diversion ___ within or above a scenic waterway ___ conditional uses under basin programs ___ requests for larger rate or duty than allowed ___ ground water recharge project ___ other substantial public interest issues ___ requests for review by an agency or person
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Watermaster comment form sent with copy of application and map. _____
<input type="checkbox"/>	<input type="checkbox"/>	Watermaster comments received _____
<input type="checkbox"/>	<input type="checkbox"/>	Hydrographic section comments requested _____
<input type="checkbox"/>	<input type="checkbox"/>	Hydrographic section comments received _____
<input type="checkbox"/>	<input type="checkbox"/>	O.D.F.W. sent copy of application and map(except groundwater) requesting comment _____
<input type="checkbox"/>	<input type="checkbox"/>	O.D.F.W. comments received _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Report from D.E.Q. received _____
<input type="checkbox"/>	<input type="checkbox"/>	Publish application information in weekly public notice.
<input type="checkbox"/>	<input type="checkbox"/>	Notify other owners of development
<input type="checkbox"/>	<input type="checkbox"/>	PROTESTED filed _____ resolved _____

Diack Ack
12/90

NO
CWRE
Map.

NAR
[Signature]

APPLICATION
CHECK-OFF LIST

~~RECEIPT POSTED~~
~~CONTENTS MARKED/STAMPED~~
~~FILE FOLDER TYPED~~
~~CALENDAR CARD TYPED~~
~~INDEX TYPED~~
~~MAPS COPIED (5 COPIES)~~
APPLICATION COPIED (2)
~~STREAM INDEXED & STREAM CODES~~
~~ENTERED INTO WRIS~~
~~ENTERED INTO REELEY~~
ACK LETTER TYPED