

FEES REFUNDED

Drainage Area = 0.903 mi² Used Rogue R. Basin Graph
 (Assumed that head of Davidson Gulch ditch can be controlled
 Only drainage area accounted for is area draining into ditch
 above reservoirs)

$$Q = 22.5 \text{ cfs} \quad Q_{2\%} = 22.5 (3.82)^{-0.58} = 86 \text{ cfs}$$

$$b = 4.0 \quad z = 1 \quad \frac{Q_{2\%}}{b} = 21.5 \quad \frac{z}{b} = 0.25$$

$$d_c = 2.04$$

$$A = d_c [b + z(d_c)] = 2.04 [4 + (1)(2.04)] = 12.32$$

$$V = \frac{Q_2}{A_c} = \frac{86}{12.32} = 6.98$$

$$P = d_c + 1.4 \frac{(6.98)^2}{64.4} = 3.10 \approx 3.0$$

Recommended Spillway Dimensions

base = 4.0'

depth = 3.0'

Form B (690-9-77)

Application No. R-8394

NOTICE OF COMPLETION OF CONSTRUCTION

I, Elizabeth Anne Clay, the holder of Permit No. R-8394
 to appropriate the public waters of the state of Oregon, completed the construction of the works described
 therein on the 1st day of June, 1984.

Remarks: _____
 If the works have less capacity than described in the permit, or you have definitely abandoned part of the proposed develop-
 ment, you should so state in order that our records may not be unnecessarily encumbered.

IN WITNESS WHEREOF, I have hereunto set my hand this 2nd day of Sept., 1984.

Elizabeth Anne Clay 491 Davidson Rd. Williams
 (Signature of Applicant) (Address)

Fill out, detach and mail to the Water Resources Department, Salem, OR 97310, when construction work is completed. OR 97544

Form A (690-9-77)

Application No. _____

NOTICE OF BEGINNING OF CONSTRUCTION

I, Elizabeth Anne Clay, the holder of Permit No. R-8394
 to appropriate the public waters of the state of Oregon, began the actual construction of the works described
 therein on the 23 day of September, 1982.

Remarks: ditches have been bladed in by
cat & are ready now. (Ponds are
already in.)
 The appropriator must state the manner of beginning of construction, the amount of work completed and the type of equipment
 acquired for the water system up to the date of this statement, and any additional information which shows a substantial beginning of construction
 authorized by your permit.

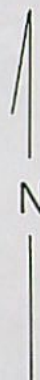
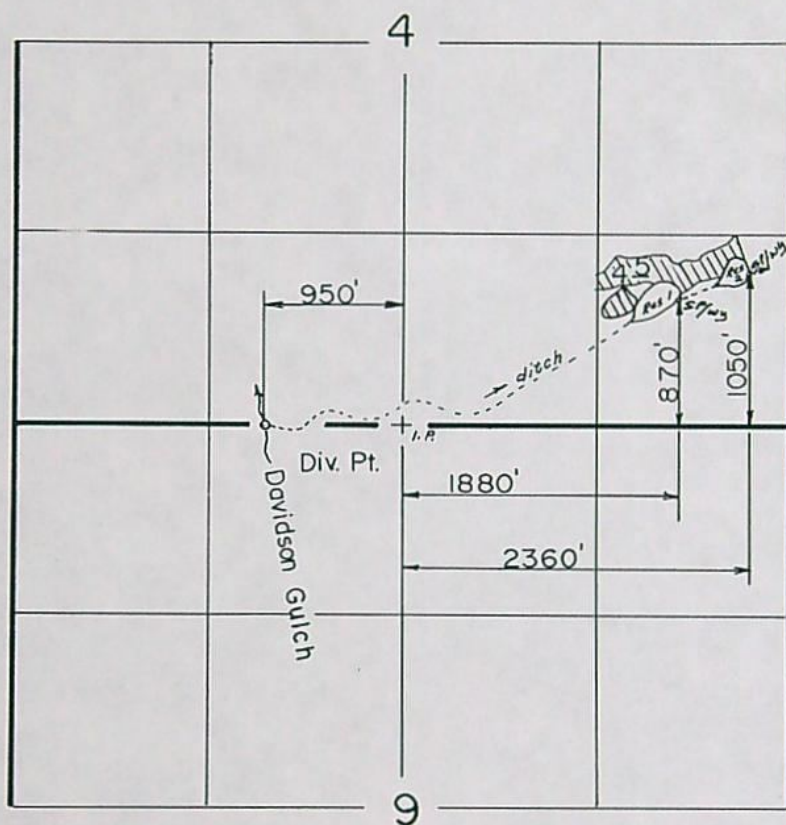
IN WITNESS WHEREOF, I have hereunto set my hand this 23 day of June, 1984.

Elizabeth Anne Clay 491 Davidson Rd. Williams
 (Signature of Applicant) (Address)

Fill out, detach and mail to the Water Resources Department, Salem, OR 97310, when construction work is begun.

SP*35567-690

T. 39 S., R. 5 W., W. M.



Scale: 1" = 1320'

FINAL PROOF SURVEY

UNDER

R-61295

R-8394

Application No. 61279 Permit No. 46615

IN NAME OF

ELIZABETH ANNE CLAY

Surveyed JUL 7 1988, by B. S. JAMES

STATE OF OREGON
COUNTY OF JOSEPHINE
PROPOSED CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

ELIZABETH ANNE CLAY
491 DAVIDSON ROAD
WILLIAMS, OREGON 97544

confirms the right to store the waters of DAVIDSON GULCH, a tributary of WEST FORK WILLIAMS CREEK, in TWO RESERVOIRS, appropriated under Permit 46615, for the purpose of IRRIGATION.

The right to store these waters has been perfected under Reservoir Permit R-8394. The date of priority is MAY 21, 1982. The amount of water entitled to be stored each year under such right is not more than 5.9 ACRE FEET, BEING 2.6 A.F. FROM RESERVOIR 1 AND 3.3 A.F. FROM RESERVOIR 2.

The reservoirs are located as follows:

SE 1/4 SE 1/4
SECTION 4
TOWNSHIP 39 SOUTH, RANGE 5 WEST, W.M.

The right to store and use the water for the above purpose is restricted to beneficial use at the place of use described.

R-61295.LMJ

STATE OF OREGON
COUNTY OF JOSEPHINE
PROPOSED CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

ELIZABETH ANNE CLAY
491 DAVIDSON ROAD
WILLIAMS, OREGON 97544

confirms the right to store the waters of DAVIDSON GULCH, a tributary of WEST FORK WILLIAMS CREEK, in TWO RESERVOIRS, appropriated under Permit 46615, for the purpose of IRRIGATION.

The right to store these waters has been perfected under Reservoir Permit R-8394. The date of priority is MAY 21, 1982. The amount of water entitled to be stored each year under such right is not more than 5.9 ACRE FEET, BEING 2.6 A.F. FROM RESERVOIR 1 AND 3.3 A.F. FROM RESERVOIR 2.

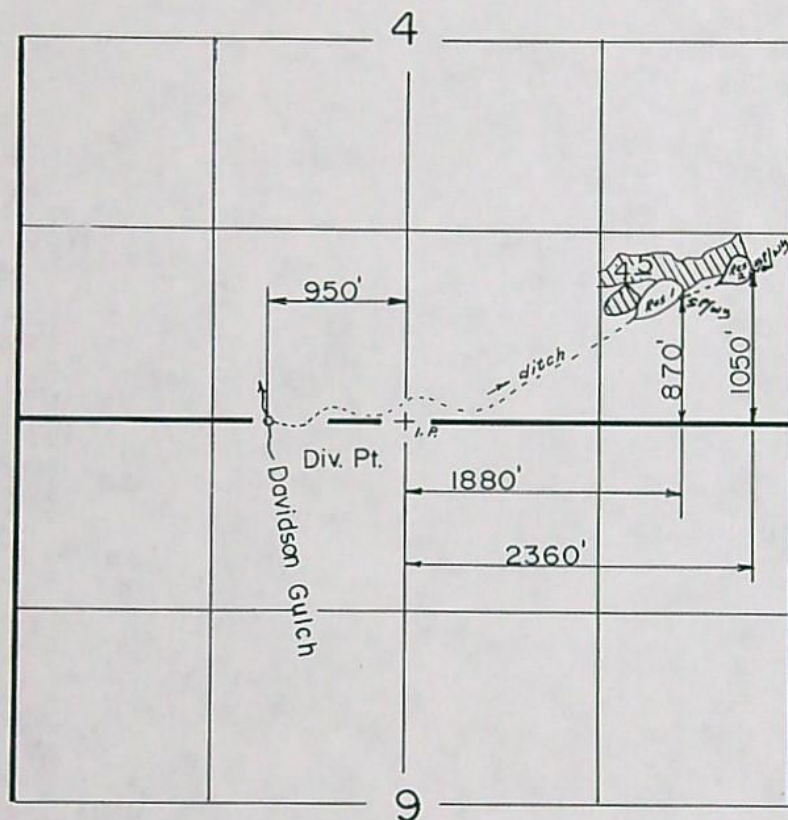
The reservoirs are located as follows:

SE 1/4 SE 1/4
SECTION 4
TOWNSHIP 39 SOUTH, RANGE 5 WEST, W.M.

P The right to store and use the water for the above purpose is restricted to beneficial use at the place of use described.

R-61295.LMJ

T. 39 S., R. 5 W., W. M.



Scale: 1" = 1320'

FINAL PROOF SURVEY

UNDER

R-61295

R-8394

Application No. 61279 Permit No. 46615

IN NAME OF

ELIZABETH ANNE CLAY

Surveyed JUL 7 1988, by B. S. JAMES

Abstract of Permit

This is to certify that I have examined APPLICATION R-61295 and do hereby grant the same SUBJECT TO EXISTING RIGHTS AND THE FOLLOWING LIMITATIONS AND CONDITIONS:

This permit is issued to Elizabeth Anne Clay of 491 Davidson Road, Williams, Oregon 97544, phone 846-6971, for the construction of two reservoirs and storage of water from Davidson Gulch to be appropriated under Application 61279, Permit 46615, for irrigation.

The dams will be LOCATED in the: SE 1/4 SE 1/4 of Section 4, Township 39 South, Range 5 West, WM, in the County of Josephine.

The maximum heights will be 6.0 feet for Dam 1 and 9.0 feet for Dam 2 above the stream bed or ground surface at the centerline. The top widths will be 10.0 feet for both dams, slope of upstream face 3:1, slope of downstream face 2:1, and height of dam above water line when full 2.0 to 3.0 feet.

The area submerged by the reservoirs, when full, will be 0.86-acre for Dam 1 and 1.37-acres for Dam 2, and the maximum depths of water will be 6.0 feet for Dam 1 and 9.0 feet for Dam 2.

The location and dimensions of the spillway are: Around dams. The bottom width of the spillways will be 4.0 feet. The top width of the spillways will be 10.0 feet. The distance between the crest of the dam and the crest of the spillways will be 3.0 feet.

The location and dimension of the outlet or bypass, and control works are: Dam 1 - 12-inch cement pipe as outlet to Pond 2 (plus 4-inch metal pipe going to a smaller holding pond). Dam 2 - Wide ditch depression at fill line carries water off to other properties.

The structures are in the channel.

The dams will be earthfill construction.

The right hereunder shall be limited to the storage of 5.9 acre-feet, being 2.6 acre-feet in Reservoir 1 and 3.3 acre-feet in Reservoir 2.

The PRIORITY DATE of this permit is May 21, 1982.

Actual construction work shall begin on or before June 17, 1983 and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 1984.

WITNESS my hand this 17th day of June, 1982.

WATER RESOURCES DIRECTOR

INFO: MET WITH OWNERS. STRUCTURES ARE IN-CHANNEL,
EARTH FILL, NO APPARENT WEARNESES. HAVE EXISTED
APPROX. 30 SOME YEARS.

DAM X-SECTIONS

RES #1 EXCAVATED BY EQUIPMENT, TO GREATER
DEPTH.

P.W.L.	HWM	UPSTR CR.	DNSTR	TOE
<u>106</u>	<u>103°</u>	<u>105°</u>	<u>106°</u>	<u>100°</u>
0	8	30	40	54

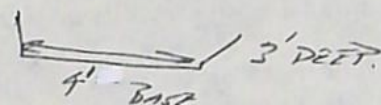
SA = 0.6
D.H. = 1.6
Length = 0.4
A.F. = 3.3
#2

DAM LENGTH: 200'

OUTLET: 12" CONCRETE PIPE THRU DAM - 80' WITH SLIDEGATE.
TO EARTH DITCH
RIGHT SIDE OF DAM

SP/RY: 3' BELOW CREST, RIGHT SIDE OF DAM
OPEN EARTHEN CHANNEL.

SLOPES: 1' = 200'



TIE: 41033-179-106L
HAND LEVEL: RAGTATE.

B. J. Jones T.I.
7-7-88.

RES #2, EXCAVATED BY EQUIPMENT TO A GREATER DETH.
NO APPARENT WEARNESES. HAS EXISTED APPROX. 30 YEARS. ✓

DAM LENGTH: 180'

P.W.L.	HWM	UPSTR	DNSTR	TOE
<u>100</u>	<u>101°</u>	<u>104°</u>	<u>104°</u>	<u>95°</u>
ELEV. 0+00	0+02	0+04	0+14	0+34

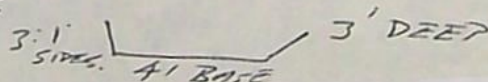
SA = 5.6
D.H. =

SA = 1.2
Length = 7
Slope = 0.3
A.F. = 2.6

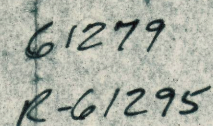
OUTLET: NONE

SP/RY: 3' BELOW CREST, RIGHT SIDE OF DAM
OPEN EARTH CHANNEL.

SLOPE: 4' : 200'

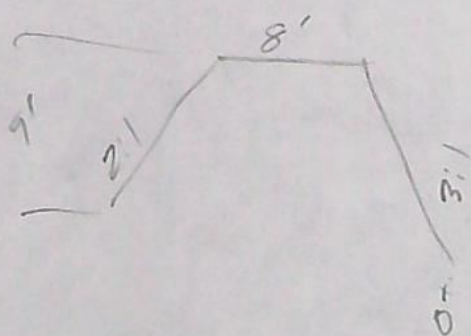
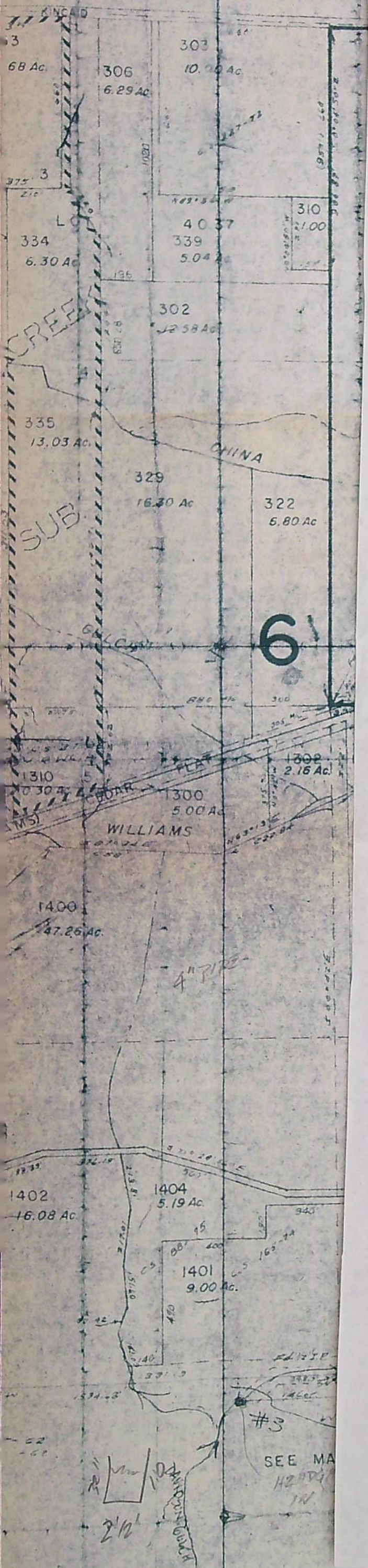


Map 1



STANDARD

SEE MAP 25



EXTRACTED

SEE MA

142004

14

39 S 5W

9 | 10

16 | 15

2

T-1159

CO-50

9-20

2410

STATE OF OREGON

COUNTY OF JOSEPHINE

PROPOSED CERTIFICATE OF WATER RIGHT

THIS CERTIFICATE ISSUED TO

ELIZABETH ANNE CLAY -

491 DAVIDSON ROAD

WILLIAMS, OREGON 97544

confirms the right to store the waters of DAVIDSON GULCH, a tributary of WEST FORK WILLIAMS CREEK, in TWO RESERVOIRS, appropriated under Permit 46615, for the purpose of IRRIGATION.

The right to store these waters has been perfected under Reservoir Permit R-8394. The date of priority is MAY 21, 1982. The amount of water entitled to be stored each year under such right is not more than 5.9 ACRE FEET, BEING 2.6 A.F. FROM RESERVOIR 1 AND 3.3 A.F. FROM RESERVOIR 2.

The reservoirs are located as follows:

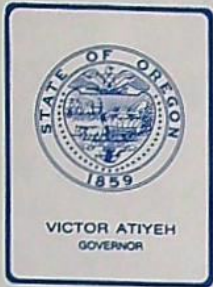
SE 1/4 SE 1/4

SECTION 4

TOWNSHIP 39 SOUTH, RANGE 5 WEST, W.M.

The right to store and use the water for the above purpose is restricted to beneficial use at the place of use described.

R-61295.LMJ



Water Resources Department

MILL CREEK OFFICE PARK

555 13th STREET N.E., SALEM, OREGON 97310

PHONE 378-8508

1-800-452-7813
(message line)

June 29, 1983

Elizabeth Anne Clay
491 Davidson Road,
Williams, OR 97544

REFERENCE: Files Numbered R-61295 and 61279

RECEIVED
JUL 11 1983
WATER RESOURCES DEPT.
SALEM, OREGON

Dear Mrs. Clay:

Your notice of Beginning of Construction for the project described in Permits Numbered R-8394 and 46615 have been received.

By law, a substantial beginning of construction of the water system must be made within one year after issuance of the permit. Under the terms of the permit, this date has been set as June 17, 1983.

If the date given on your notice is correct, your permits are not valid and will have to be canceled. Since this is the same date as the day you signed the statement, perhaps the information was placed in error.

Also, you will have to go into detail and describe the area cleared and grubbed which will be inundated by the ponds, length and height of dams constructed, length and diameter of out-let pipes purchased, length and size of ditches constructed, and anything else pertaining to the ponds accomplished on or before June 17, 1983.

The notice is being returned for correction and additional information.

Sincerely,

Handwritten signature of Thomas E. Shook

Thomas E. Shook
Senior Water Rights Examiner

TES/jw

Enclosure

*Ponds
Area
in*

7-7-83

E. Clay called &
said ponds ~~were~~ in
at time of filing

We gooted

I told her to send
Form A & B for Res.

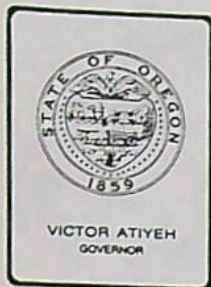
Since ponds are now
filled
YES

I have read the above and foregoing proof of appropriation of water; I know the contents thereof, and that the facts therein stated are true.

IN WITNESS WHEREOF, I have hereunto set my hand this day of,

19.....

.....



Water Resources Department

MILL CREEK OFFICE PARK

555 13th STREET N.E., SALEM, OREGON 97310

PHONE 378-8508

1-800-452-7813

(message line)

June 29, 1983

Elizabeth Anne Clay
491 Davidson Road,
Williams, OR 97544

REFERENCE: Files Numbered R-61295 and 61279

Dear Mrs. Clay:

Your notice of Beginning of Construction for the project described in Permits Numbered R-8394 and 46615 have been received.

By law, a substantial beginning of construction of the water system must be made within one year after issuance of the permit. Under the terms of the permit, this date has been set as June 17, 1983.

If the date given on your notice is correct, your permits are not valid and will have to be canceled. Since this is the same date as the day you signed the statement, perhaps the information was placed in error.

Also, you will have to go into detail and describe the area cleared and grubbed which will be inundated by the ponds, length and height of dams constructed, length and diameter of out-let pipes purchased, length and size of ditches constructed, and anything else pertaining to the ponds accomplished on or before June 17, 1983.

The notice is being returned for correction and additional information.

Sincerely,

Thomas E. Shook
Senior Water Rights Examiner

TES/jw

Enclosure

Application No. R-61295

Permit No.

STATE OF OREGON WATER RESOURCES DEPARTMENT

RECEIVED

Application for a Permit to Construct a Reservoir FEB 26 1981

WATER RESOURCES DEPT
SALEM, OREGON

I, ELIZABETH ANNE CLAY
(Name of Applicant)
of 491 DAVIDSON RD.
(Mailing Address) WILLIAMS
(City)
State of OREGON, 97544, Phone No. 846-6971
(Zip Code)
do hereby make application for a permit to construct the 2 RESERVOIRS reservoir.

and to store the unappropriated waters of the State of Oregon, subject to existing rights.

1. The name of the stream from which the reservoir is to be filled is DAVIDSON GULCH
tributary to WEST FORK OF WILLIAMS CREEK

2. If not in channel of a stream, state how it is to be filled.

3. The dam will be located in the S.E. $\frac{1}{4}$ of the S.E. $\frac{1}{4}$ of Section 4,
Township 39 S, Range S W, W. M.

4. The maximum height will be #1 6 #2 9 feet above stream bed or ground surface at the
centerline. The top width will be 10 for both feet, slope of upstream face 3:1 for both
slope of downstream face 2:1 for both, and height of dam above water line when full
2 to 3 feet for both

5. The dam will be (check one) ☒ earthfill, ☐ concrete, ☐ flashboard, ☐ other.

If "other", give description:

#1 pond is partly excavated & also has a
dam
#2 pond is partly excavated, and has a dam

6. Give the location, description, and dimensions of the outlet conduit:

#1 EAST 12" cement pipe as outlet to #2 pond (plus 4" metal
(All dams across natural stream channels must be provided with an outlet conduit, of such capacity and location to pass the normal flow of the stream at any time)
pipe going to a smaller holding pond) - see zoned map.
#2 wide ditch depression at fill line that carries
the off to other properties. - see zoned map.

Application No. R-61295

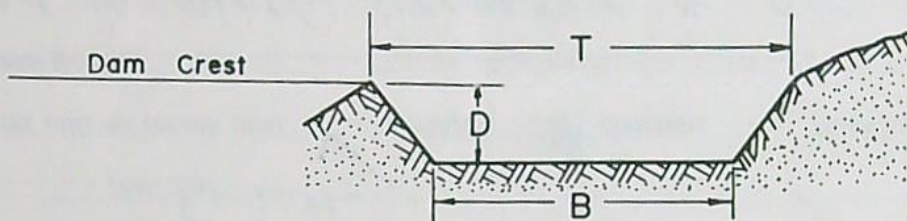
Permit No.

7. The impounded water will be used for BEAUTIFICATION IRRIGATION

8. The amount of water to be stored is both approx 3.30 = #2 acre feet.

9. The area submerged by the reservoir, when full, will be both approx 55 = #1 acres,
and the maximum depth of water will be approx 12' #1 - 6 feet 1.37 = #2

10. Give the location and dimensions of the spillway 4' x 10' pond #2 EAST SIDE
(State whether over or around dam)



The bottom width of the spillway, B, will be 4' feet.

The top width of the spillway, T, will be 10' feet.

The distance between the crest of the dam and the crest of the spillway, D, will be 3' feet.
(Must be at least 2 1/2 feet)

If any other type of spillway describe and give dimensions:

#1 pond about 2 1/2' from crest - 2 pipes 12" x 4"

11. Construction work will begin on or before

Ponds have been in existence for many years.

12. Construction work will be completed and the reservoir filled by

Remarks:

RECEIVED

MAY 21 1982

WATER RESOURCES DEPT
SALEM, OREGON

Elizabeth Anne Clay
Signature of Applicant

This is to certify that I have examined the foregoing application, together with the accompanying maps and data, and return the same for..... correction and completion.....

In order to retain its priority, this application must be returned to the Water Resources Director with corrections on or before..... April 19....., 19 82.....

WITNESS my hand this 18th day of February, 19 82

James E. Sexson Water Resources Director

By *Chris L. Hughes*
Chris L. Hughes

This instrument was first received in the office of the Water Resources Director at Salem, Oregon, on the

26th day of February, 19 81, at 8:00 o'clock A.M.

Application No. R-61295

Permit No.

Application No. R- 61295

Permit No.

**Permit to Construct a Reservoir
and Store for Beneficial Use the Public Waters
of the State of Oregon**

This is to certify that I have examined the foregoing application and do hereby grant the same subject to the following limitations and conditions. The right herein granted is limited to the construction of two reservoirs and storage of water from Davidson Gulch to be approp. under App 61279, Per for irr.

The right hereunder shall be limited to the storage of 5.9 acre feet. being 2.6 a. f. in Res #1 and 3.3 a. f. in Res #2

The priority date of this permit is May 21, 1982

Actual construction work shall begin on or before and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 19.....

WITNESS my hand this day of, 19.....

Water Resources Director

RAX A

June 29, 1982

Elizabeth Ann Clay
491 Davidson Road
Williams, OR 97544

R-61295 &
61279

Dear Ms. Clay:

R-8394 & 46615

378-3066
1-800-452-7813
(message line)

May 25, 1982

Elizabeth Anne Clay
491 Davidson Road
Williams, OR 97544

Dear Ms. Clay:

Reference: Files R-61295 & 61279

Thank you for returning Applications R-61295, 61279, and the accompanying map.

Your applications were returned to you and were endorsed so that in order to retain their priority dates, they were to have been received in this office on or before April 19, 1982. The new priority date of your applications is May 21, 1982, the date they were received.

Your applications are now in satisfactory form and will be considered for issuance of permits within 60 days.

Sincerely,

Chris L. Hughes
Senior Water Rights Examiner

CLH:slm



Water Resources Department
MILL CREEK OFFICE PARK

555 13th STREET N.E., SALEM, OREGON 97310

PHONE 378-3066
or
1-800-452-7813
(message line)

April 30, 1982

Elizabeth Anne Clay
491 Davidson Road
Williams, OR 97544

Dear Mrs. Clay:

REFERENCE: Files R-61295 and 61279

Your Applications R-61295 and 61279 which were returned to you have not been received. They were endorsed so that in order to retain their priority date they must have been received in this office on or before April 19, 1982.

Your applications have lost their priority, but may be reinstated with a new priority date when they are again received.

Sincerely,

CHRIS L. HUGHES
Senior Water Rights Examiner

CLH:wpc

0589B/2
0587B

COPY



Water Resources Department
MILL CREEK OFFICE PARK

555 13th STREET N.E., SALEM, OREGON 97310

PHONE 378-3066
1-800-452-7813
(message line)

February 18, 1982

Elizabeth Anne Clay
491 Davidson Road
Williams, OR 97544

Dear Ms. Clay:

Reference: Files R-61295 & 61279

Your Applications R-61295 and 61279 describing the proposed use of approximately 6.6 acre feet and 0.5 cubic foot per second of water from Davidson Gulch and two reservoirs for irrigation of 40 acres; together with the map and legal description, have been reviewed. Enclosed is Receipt 22957 for fees submitted with the applications. I apologize for the delay in processing your applications.

It appears from the U. S. G. S. topographic map of your area that your reservoirs are not located on Davidson Gulch, but are located on the Baltimore Ditch. Please show on your map the locations of all ditches and streams in your area. While permits may be issued in approval of your applications, this does not give you the right to trespass or use ditches if privately owned and controlled by others. You must seek approval of the owners of the ditches before using them.

The land which you intend to irrigate must be shown on the map. Please show the land to be irrigated on your map and state the number of acres to be irrigated in each quarter-quarter section. The information in the applications and on the map must be in agreement. Also, please state the location of diversion #3 on your map.

In Items 3 and 4 of Application R-61295, please give the details for both dams. Also, in Items 8 and 9, please state definite amounts. You should list the total amount of water to be stored in Item 8, then break it down to the amount of water to be stored in each reservoir.

Reservoir #2, as measured on your map, is located 1130 feet North and 100 feet West from the SE Corner of Section 4. This does not agree with the location of reservoir #2 as stated in Item 2 of Application 61279. Please amend Item 2 of Application 61279 and/or the map to correctly locate the reservoir.

Page Two
February 18, 1982
Files R-61295 & 61279

Please state in Item 6 of Application 61279 the size of your ditches.

I am returning your applications and map for correction and completion. The applications are endorsed and in order to retain their priority dates, they must be received in this office on or before April 19, 1982.

Sincerely,

Chris L. Hughes
Senior Water Rights Examiner

CLH:slm
Enclosures



Water Resources Department

MILL CREEK OFFICE PARK

555 13th STREET N.E., SALEM, OREGON 97310

PHONE

378-3066 or
1-800-452-7813

March 5, 1981

Elizabeth Anne Clay
491 Davidson Road
Williams, OR 97544

Dear Ms. Clay:

REFERENCE: File R-61295

We have received your application for use of water for irrigation along with the supporting data and fees. Our Receipt 23007 is enclosed. Your application has been filed and assigned number R-61295.

Because of the many applications which have been filed in recent months, we are temporarily behind in our processing. Your application will be examined in detail as soon as possible. We will contact you if we need any additional information. If a permit is required to satisfy the conditions of a loan or land sale or if other emergency conditions exist, please let us know and we will attempt to process your application in the shortest possible time.

The permit approving your application will be issued without further correspondence if no additional information is required. The proposed appropriation will be subject to existing minimum flows and demands of prior rights during periods of low water.

Thank you for your patience.

Sincerely,

RALPH H. JACKSON
Supervisor, Application/Permit Section
Water Rights Division

RHJ:wpc
enclosure
0427A
4137A

COPY