14

Application No. R-43019
Permit No. R 4898
Certificate No. 38903

Stream Index, Page No. 2-62B2

see file #43020

Name GEORGE DIMEO
By 18440 S. W. Blanton
Address ~~Aloha~~, Oregon 97005
5030 SW 209th
Beaverton 97005

Date filed November 10, 1966
Priority November 10, 1966
Action suspended until OK Gutt

Returned to applicant
Date of approval July 21, 1967

CONSTRUCTION

Date for beginning July 21, 1968
Date for completion October 1, 1969
Extended to

Date for application of water
Extended to

PROSECUTION OF WORK

Form "A" filed See file 43020
Form "B" filed " " "
Form "C" filed

FINAL PROOF

Blank mailed DEC 29 1972
Proof received
Date certificate issued JAN 31 1973

FEES PAID

Date	Amount	Receipt No.
11/10/66	15.00	1559
1-5-73	1.50 $1 Cert. Fee	31994

FEES REFUNDED

Date	Amount	Check No.

ASSIGNMENTS

Date	To Whom	Address	Volume	Page

REMARKS

2.2 af a reservoir and storage of water from Butternut Creek (Tualatin River) for irrigation

SP*12965-119

Nov 17, 66

? 1. What is freeboard? shows 2', 3' & 6', should be 3.75'
? 2. What is length of Dam?
OK 3. Is spillway over embankment or through undisturbed mat'l?
OK 4. Is riprap provided for protection in spillway?
50 yr. flood frequency approx. 400 cfs.

GAG

2-3-67

#6 & #7 disagree as to freeboard

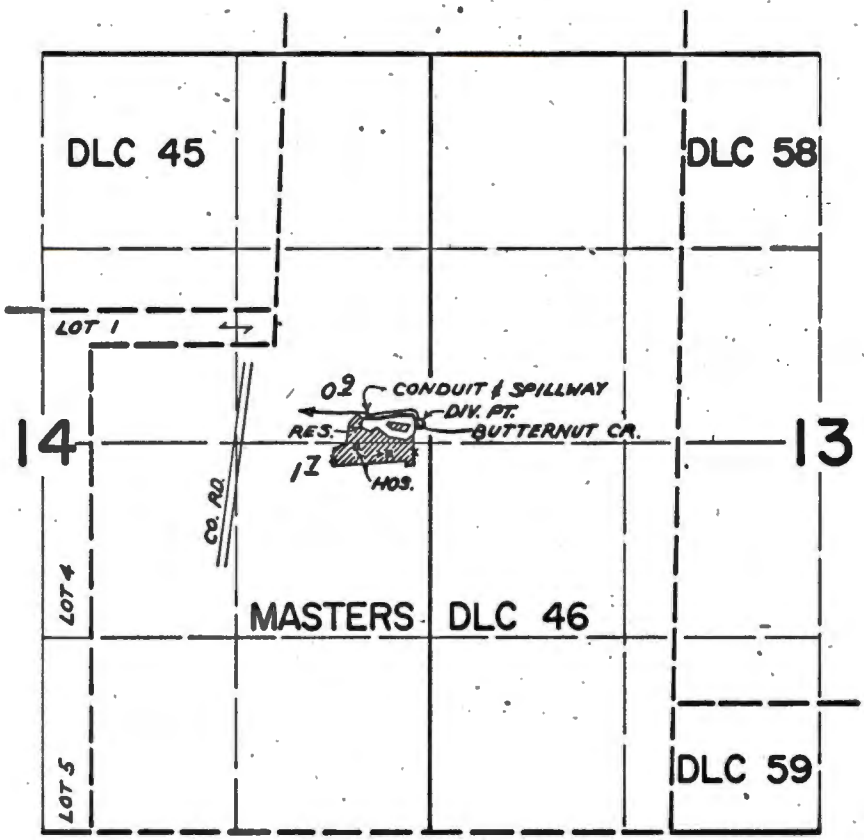
GAG

4-6-67

NO ~~OK~~ ~~GAG~~

5-3-67
OK GAG

T. 1 S. R. 2 W. W. M.



DIV. PTS. LOCATED: RES. 2810' N. & 430' W.; CR. 2780' N. & 80' W.; BOTH FROM SE. COR. SEC. 14

FINAL PROOF SURVEY
UNDER

Application No. R-43019 43020 Permit No. R-4898 32162

IN NAME OF

GEORGE DIMEO

Surveyed SEPT. 15 1971., by GREG. BACA

GK
1971-D

January 8, 1973

R-43019
43020

Marjorie E. Dimeo
5030 SW 209th Avenue
Beaverton, OR 97005

Dear Madam:

This will acknowledge the signed proofs of the proposed certificates in connection with your water right permits numbered R-4898 and 32162 and the certificate recording fee of $1.50 for which our receipt number 31994 is enclosed.

There are two certificates involved, each of which will require a recording fee, so if you will submit the additional fee of $1.50 we will be able to issue the confirming certificates.

Very truly yours,

VESTAL R. GARNER
Assistant

VRG:gkd
Enclosure

30

STATE OF OREGON
STATE ENGINEER
WATER RESOURCES DEPARTMENT
516 PUBLIC SERVICE BUILDING
SALEM 10

REFER TO FILE NO. R-43019
43020

October 16, 1967

George Dimeo
18440 S. W. Blanton
Aloha, Oregon 97005

Dear Mr. Dimeo:

This will acknowledge the notice of completion of construction under the terms of permit No.s R-4898 and 32162.

Under the provisions of the permit, the time limit for completion of the appropriation by accomplishing the authorized beneficial use of water to the full extent intended will expire October 1, 1970 (In the case of irrigation completion of the appropriation means at least one beneficial irrigation of all the land to be irrigated under the subject permit.)

Very truly yours,

Chris L. Wheeler

CHRIS L. WHEELER
State Engineer

Form 119

ks

December 29, 1972

George Dimeo
5030 S.W. 209th Avenue
Beaverton, OR 97005

File No. R-43019
43020

Dear Sir:

Enclosed is the final proof in connection with the incomplete water right represented by your permit number s R-4898 and 32162.

The data contained in the proof, which is based on an inspection and survey of your project made by a representative of this department, defines the extent to which your water right has been completed within the terms of your permit. The proof should be dated and signed by you and returned to this office.

Upon receipt of the proof, properly executed and accompanied by the statutory recording fee of $1.50, a certificate of water right will be issued confirming the right thereunder and, after being recorded in the county records, will be forwarded to you.

Very truly yours,

Chris L. Wheeler

CHRIS L. WHEELER
State Engineer

Form 117

Enclosure
gkd
Please submit $1.50 for each permit.

R-43019
43020

August 4, 1967

George Dimeo
18440 SW Blanton
Aloha, Oregon 97005

Dear Mr. Dimeo:

R-43019, permit No. R-4898, application No. 43020, permit No. 32162 with a blueprint.

43020
R-43019

May 5, 1967

Mr. Herbert A. Mohr
Civil Engineer
Peterson Bldg.
Hillsboro, Oregon 97123

Dear Mr. Mohr:

This will acknowledge receipt of the authorization to amend the reservoir application and small dam data sheet to show the depth of spillway as being 3 feet. This has been done.

These applications are now in satisfactory form for approval by issuance of permits.

Very truly yours,

CHRIS L. WHEELER
State Engineer

By
Larry W. Jebousek
Assistant

LWJ:dly
cc: George Dimeo
18440 S. W. Blanton
Aloha, Oregon 97005

H. A. MOHR
CIVIL ENGINEER

H. A. MOHR & ASSOCIATES
CIVIL ENGINEERS
PETERSON BUILDING
HILLSBORO, OREGON 97123

PHONE 648-1232

13 April 1967

State Engineer
Water Resources Department
516 Public Service Building
Salem, Oregon 97310

Attention: Mr. Larry W. Jebousek

Re: Application R-030019 (Dimeo)

Dear Mr. Jebousek:

Mr. George Dimeo of 18440 S. W. Blanton Street, Aloha, Oregon, has asked us to respond to your letter of 10 April, 1967, regarding apparent discrepancy between his Reservoir Application and accompaning small dam data sheet.

You are hereby authorized to make the necessary corrections to have all entries correspond as follows:

1. Item 6 Reservoir Application - change "height of dam above water line when full" from 6 feet as shown to 3 feet.

2. Small dam data sheet - depth of spillway "h" indicated 6 foot shall be change to 3 feet.

Thank you for your consideration and cooperation in this matter.

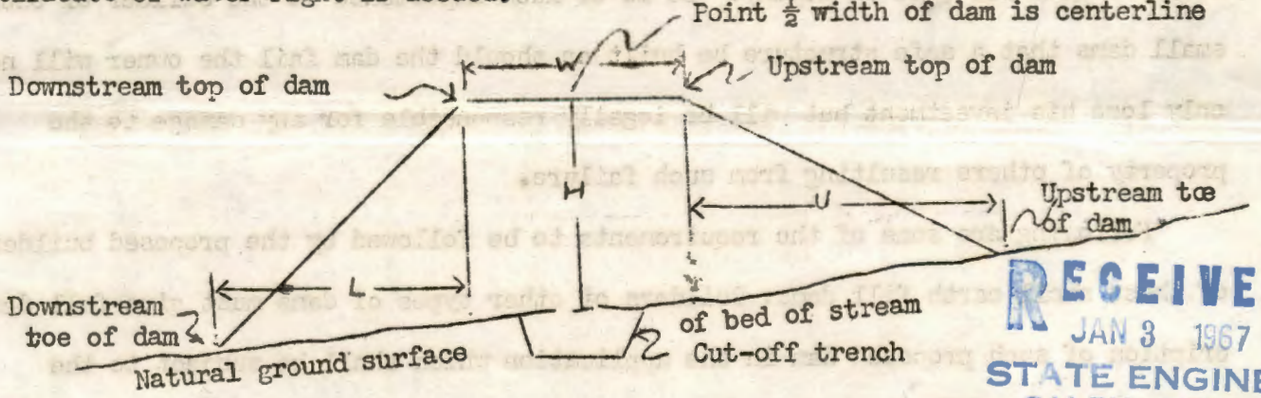
Yours very truly,

Herbert A. Mohr for George Dimeo

HAM:mj
CC: George Dimeo
Encl.

Before a permit is issued approving an application proposing the construction of a dam less than 10 feet high and storing less than 3,000,000 gallons of water, the information following the sketch below must be filed with the State Engineer, and must conform with the dimensions and description of the dam given in the application. The height is measured from the lowest point of the ground surface or from the lowest point in the stream bed to the top of the dam on the center line of the dam. The data required is that of the maximum section or at the point where the dam is to be highest above the natural ground surface or stream bed.

All dams will be inspected by the State Engineer or his assistant before certificate of water right is issued.



All dimensions given below must conform to minimum requirements shown on other side.

Earth Dam:

Amount of water impounded 2.2 acre feet.

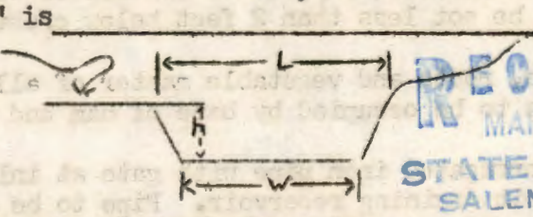
Top width of dam indicated on sketch by letter "W" ~~5~~ 8 feet.

Height of dam measured from top of dam to ground surface or bed of stream on center line of dam or a point ½ the top width of the dam, indicated on sketch by letter "H" is 9 feet.

The horizontal distance from upstream top of dam to upstream toe indicated on sketch by letter "U" is 25 (27) feet.

The horizontal distance from downstream, indicated on sketch by letter "L" is 16 (18) feet.

Emergency Spillway:



1200 Acres

Approximate drainage area of creek above dam 3 square mile.

Bottom width of spillway, indicated on sketch by letter "W" is 36 feet.

TOP width of spillway, indicated on sketch by letter "L" is 46 feet.

Distance between top of dam and bottom of spillway at the upper end, indicated on sketch by letter "h" is 3.0 ~~5~~ 6 feet. Ltr 4-17-67

Outlet: Spillway is of Natural Material & is Approximately 50 ft from spillway to where it reenters the Stream.

Size and type of outlet pipe through base of dam which will allow free passage of the natural flow of the stream 16" Drop Inlet with 10" Out Let Pipe

The applicant herewith agrees to build the dam in accordance with the above dimensions, and the requirements given on other side.

Signature of Applicant

Application No. R-43019 & 43020

Permit No.

ADDITIONAL INFORMATION TO BE SUBMITTED WITH APPLICATIONS PROPOSING CONSTRUCTION OF DAMS LESS THAN 10 FEET IN HEIGHT OR IMPOUNDING LESS THAN 3,000,000 GALLONS

Under Oregon laws the builder is not required to submit plans and specifications, prepared by a registered professional engineer, for approval of the State Engineer for the construction of dams less than 10 feet in height or storing less than 3,000,000 gallons of water (9.2 acre feet or the amount that will cover 9.2 acres of land 1.0 foot in depth). It is of much importance to the builder of these small dams that a safe structure be built as should the dam fail the owner will not only lose his investment but will be legally responsible for any damage to the property of others resulting from such failure.

Following are some of the requirements to be followed by the proposed builders of these small earth fill dams: Builders of other types of dams must give full description of such proposed dam in the application which shall be subject to the approval of the State Engineer:

1. Width of crest of dam should be not less than 8 feet;

2. Upstream slope not steeper than 3 horizontal to 1 vertical; and

3. Downstream slope not steeper than 2 horizontal to 1 vertical;

4. Spillway channel should be constructed around either end of dam but not over top. It should have at least twice the capacity required to carry heavy winter flows or spring runoffs without overtopping the dam and should be lined if necessary to prevent erosion. (This is important as experience has shown that insufficient spillway capacity is the principle cause of failure of small dams.) Water passing over spillway should be returned to creek channel at a sufficient distance downstream to prevent erosion of embankment; and depth to bottom of channel at point of control of water surface in reservoir should be not less than 2 feet below crest of dam.

5. All brush, stumps, roots and vegetable matter of all kinds should be cleared from area to be occupied by base of dam and from borrow pits.

6. Asphalt dipped corrugated iron pipe with gate at inlet and should be installed to permit draining reservoir. Pipe to be bedded in a trench in the natural ground and not on filled ground. Provision must be made to allow the free passage of the natural flow of the stream at any time.

7. Not less than two cut-off collars should be constructed. These collars should be constructed of concrete with a thickness of not less than 6 inches and should extend from the outside of the pipe a distance of not less than 18 inches in all directions. These cut-off collars should be constructed above or upstream from the center of the dam.

8. Material placed in embankment should be free from brush, stumps, roots and vegetable matter of all kinds.

9. Material should be brought in and placed in embankment from ends of dam and spread in thin layers not over 6 inches thick and compacted by carryalls or bull dozers traveling parallel to center line of dam.

T-453

RECEIVED
JAN 5 1973
STATE ENGINEER
SALEM, OREGON

STATE OF OREGON

COUNTY OF WASHINGTON

Proof of Appropriation of Water

GEORGE DIMEO

of 5030 SW 209th Avenue, Beaverton, State of Oregon, has constructed a reservoir to store the waters of Butternut Creek, tributary of Tualatin River, appropriated under application number 43020, permit number 32162

for the purposes of irrigation

under Reservoir Permit No. R-4898 of the State Engineer, and that the storage of said waters has been completed within the terms of said Permit; that the priority of the right dates from November 10, 1966

that the amount of water entitled to be stored each year under such right, for the purposes aforesaid, shall not exceed 2.2 acre feet

The reservoir is located in

SE¼ NE¼
As projected within Masters DLC 46
Section 14
T. 1 S., R. 2 W., W. M.

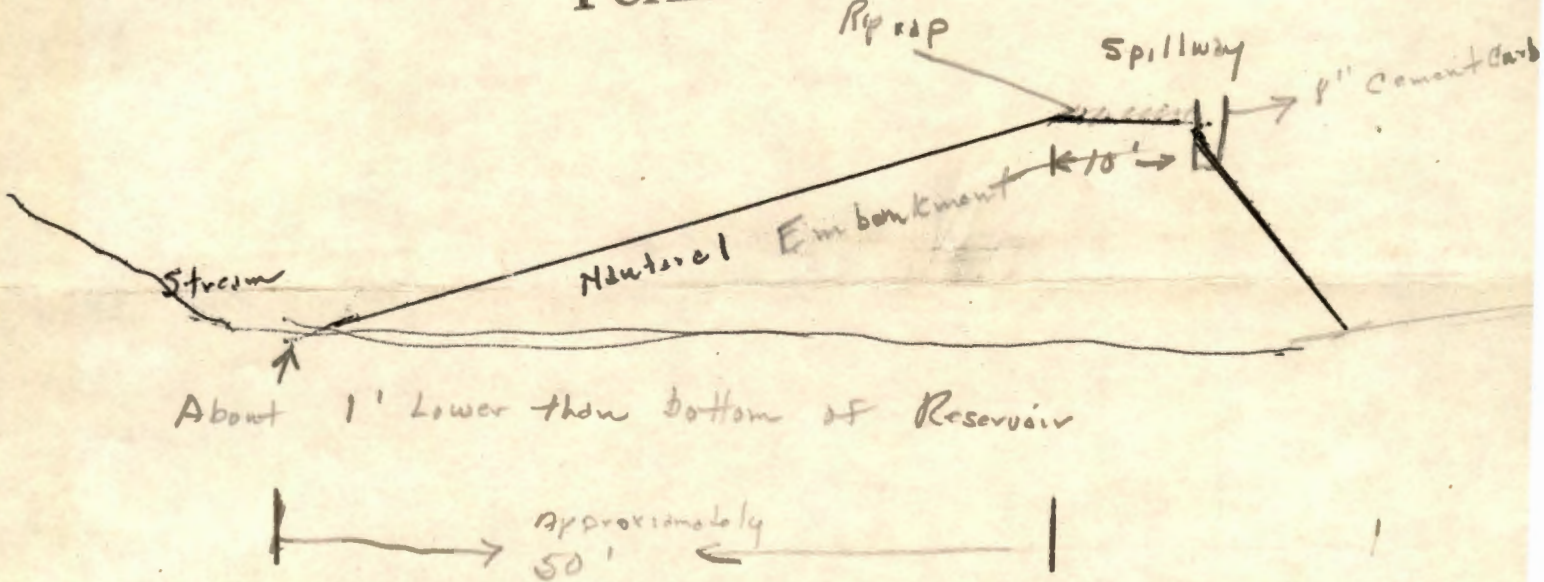
I have read the above and foregoing proof of appropriation of water; I know the contents thereof, and that the facts therein stated are true.

IN WITNESS WHEREOF, I have hereunto set my hand this 4th day of January, 1973.

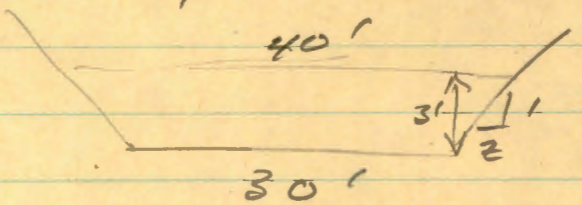
Marjorie E. Dimes
Surviving widow of
George Dimes

9952

Application No. R-43019 & 43020
Permit No.



Spillway R-43019



$z = 5/3 = 1.67$

$Q_{50} \doteq 400$ cfs

$z/b = \frac{1.67}{30} = 0.056$

$Q/b = \frac{400}{30} = 13.3$

$d_c \doteq 1.72$ ft

1971-D
9/15/71 GB

Abstract of Permit No. ~~R-4898~~

Application No. R-43019 *Certificate No.*

Name George Dimeo

Address ~~18660 SW Blanton~~ 5030 SW 209th ~~Ct.~~ Ave.
~~Aloha, Oregon~~ Beaverton 97005

Source of water supply Butternut Creek, trib. Tualatin River

Use ~~Storage in a reservoir from Butternut Creek to be appropriate~~ under Appl. No. 43020, Permit No. 32162 for Irrigation

Point of diversion ~~DAM LOCATED: SE¼ NE¼, Sec. 14, T. 1 S., R. 2 W., W. M., County of Washington~~

Number of acres

DESCRIPTION OF LAND TO BE IRRIGATED OR PLACE OF USE

Twp.	Range	Sec.	NE¼				NW¼				SW¼				SE¼			
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼
							~~RESERVOIR LOCATED~~											
1S	2W	~~14~~				~~X~~												
		14	SE¼NE¼			w/in	Masters DLC 46											~~Res~~

Priority date November 10, 1966

Amount of water 2.2 a.f.

Time limit to begin construction ~~July 21, 1968~~

Time limit to complete construction 10-1-69 *extended to* *extended to*

Time limit to completely apply water *extended to* *extended to*

Remarks:

Basin 2, Vol. ____

INFO: GEORGE DIMEO

DIV. PT.: BUTTERNUT CREEK; 12" METAL PIPE WITH VERTICAL GATE VALVE.

DAM

LENGTH: 400 ft L-SHAPE

MAX. & MIN. WIDTH: 10-12 ft

SLOPES: 3:1 UPSTREAM & 2:1 DOWNSTREAM

CONDUITS & CONTROLS

12" METAL PIPE WITH INCLINE GATE VALVE LOCATED UNDERNEATH SPILLWAY.

12" OVERFLOW ATTACHED TO CONDUIT LOCATED AT NW COR. OF RES.

SPILLWAY

CONCRETE APRON 12 ft LONG

CROSS-SECTION: 0^{0} -1.5 -1.5 0^{0}
0^{0} 4^{0} 32^{0} 38^{0}

ELEVATIONS

SPILLWAY CREST: 100.0

EXIST WATER LEVEL: 99.9

HIGH ON DAM: 102.5

LOW ON DAM: 100.8

TOE OF SLOPE: 95.2

DSI: 94.2

RES. IS (10 ft DEEP) ? Measured elevations indicate a depth of about 5'

NOTES: THE RES. IS NOW OFF-CHANNEL BECAUSE THE RES. WAS FILLING UP WITH SILT WHEN ON-CHANNEL ACCORDING TO MR. DIMEO.

Surface area = 0.9 acres
Assume factor of 0.5

Capacity = (0.5)(5)(0.9) = 2.25 acre feet

Greg Boca
Fld Engr.
9/15/71

STATE OF OREGON
STATE ENGINEER
WATER RESOURCES DEPARTMENT
516 PUBLIC SERVICE BUILDING
SALEM 97310

43020
REFER TO FILE NO R-43019

April 10, 1967

George Dimeo
18440 S. W. Blanton
Aloha, Oregon

Dear Sir:

This will acknowledge receipt of your returned reservoir application No. R-43019 and the small dam data sheet.

Item No. 6 on the reservoir application indicates the height of dam above highwater line when full as being 6 feet. The height of dam above the highwater line is the freeboard. The small dam data sheet now indicates the depth of spillway as being 6 feet. However, item No. 7 on the reservoir application indicates only 3 feet of freeboard above the pool level. These three entries should correspond.

Would you please give us written authorization to correct, whichever is in error, so that they do correspond.

Very truly yours,

CHRIS L. WHEELER
State Engineer

By Larry W. Jebousek
Assistant

LWJ:dly

43020
R-43019

April 10, 1967

George Dimeo
18440 S. W. Blanton
Aloha, Oregon

Dear Sir:

This will acknowledge receipt of your returned reservoir application No. R-43019 and the small dam data sheet.

Item No. 6 on the reservoir application indicates the height of dam above highwater line when full as being 6 feet. The height of dam above the highwater line is the freeboard. The small dam data sheet now indicates the depth of spillway as being 6 feet. However, item No. 7 on the reservoir application indicates only 3 feet of freeboard above the pool level. These three entries should correspond.

Would you please give us written authorization to correct, whichever is in error, so that they do correspond.

Very truly yours,

CHRIS L. WHEELER
State Engineer

By
Larry W. Jebousek
Assistant

LWJ:dly

43020
R-43019

February 8, 1967

George Dimeo
18440 S. W. Blanton
Aloha, Oregon

Dear Sir:

This will acknowledge receipt of the returned reservoir application No. R-43019 and the small dam data sheet.

Item No. 6 on the reservoir application and the small dam data sheet show the height of dam above highwater line when full, as being 6 feet. However, item No. 7 indicates the dam will be constructed with only 2 feet of freeboard above the pool. Inasmuch as the height of dam above the highwater line is the freeboard, these two entries must correspond.

I am returning your reservoir application No. R-43019, and the small dam data sheet for correction. The application is endorsed so that in order to retain its date of priority, it must be returned on or before April 10, 1967.

Very truly yours,

CHRIS L. WHEELER
State Engineer

By
Larry W. Jebousek
Assistant

LWJ:dly
Enclosures

43020
R-43019

December 14, 1966

George Dimeo
18440 S. W. Blanton
Aloha, Oregon

Dear Sir:

This will acknowledge receipt of the returned applications No. R-43019 and 43020, map, and small dam data sheet.

Item No. 6 on the reservoir application indicates the maximum height of dam above highwater line when full, as being six feet. The small dam data sheet indicates the depth of spillway as seven feet. These figures usually correspond. If they do not, would you please explain in the section provided for remarks. Our computation indicates that a minimum depth of spillway of 3.75 feet is required.

I am returning the reservoir application and the small dam data sheet for correction. The application is endorsed so that in order to retain its date of priority, it must be returned on or before February 14, 1967.

Very truly yours,

CHRIS L. WHEELER
State Engineer

By
Larry W. Jebousek
Assistant

LWJ:dly
Enclosures

43020
R-43019

November 21, 1966

George Dimeo
18440 S. W. Blanton
Aloha, Oregon

Dear Sir:

This will acknowledge receipt of your application for a permit to construct a reservoir and store 2.2 acre feet of water therein from Butternut Creek for irrigation, small dam data sheet, legal description, and the fees of $15 for which our receipt No. 1554 is enclosed. This application has been filed and numbered R-43019.

Also acknowledged is receipt of your application for a permit to appropriate 0.07 cubic feet of water per second from Butternut Creek for the irrigation of 5.66 acres, print, and the fees of $15 for which our receipt No. 1555 is enclosed. This application has been filed and numbered 43020.

Item No. 6 on the reservoir application indicates the height of dam above highwater line when full, as being six feet. The accompanying small dam data sheet indicates the depth of spillway as being only three feet. The height of dam above highwater line and depth of spillway usually correspond. Is the spillway in embankment or natural material? If the spillway is in embankment, do you intend to riprap for protection.

Item No. 1 on application No. 43020 should also include the reservoir, as a source of appropriation.

A map in the form of a transparency so that it may be easily reproduced is required. A tracing of the map submitted would be satisfactory.

I am returning both applications and the print for correction and completion. The applications are endorsed so that in order to retain their dates of priority, they must be returned on or before January 23, 1967.

Very truly yours,

CHRIS L. WHEELER
State Engineer

By
Larry W. Jebousek, Assistant

LWJ:dly
Enclosures