R-6

Name JOE W. CROWE

By

Address Route 1, Box 12

Sheridan, Oregon 97378

Date filed March 11, 1964

Priority March 11, 1964

Action suspended until

Returned to applicant

Date of approval May 1, 1964

CONSTRUCTION

Date for beginning May 1, 1965

Date for completion October 1, 1966

Extended to

Date for application of water

Extended to

PROSECUTION OF WORK

Form "A" filed Dec 21, 1964

Form "B" filed Dec 21, 1964

Form "C" filed April 11, 1966

FINAL PROOF

Blank mailed AUGUST 10 1969

Proof received

Date certificate issued OCTOBER 13 1969

Application No. R-39626

Permit No. R- 3954

Certificate No. 36429

Stream Index, Page No. 2-90A7

See file 39627

FEES PAID

Date	Amount	Receipt No.
3-11-64	$15.00	208
9-29-69	$1 Cert. Fee	16487

FEES REFUNDED

Date	Amount	Check No.

ASSIGNMENTS

Date	To Whom	Address	Volume	Page

REMARKS

Crowe Reservoir No. 1 and storage of 6.0 a.f. of water from an unnamed stream (South Yamhill River)(Willamette River) for irrigation.

State Printing 45649

3/13/64 - for 1 mi² $Q/_{50yr}$ = 49 cfs - use 45 cfs.

b = 8
z = 1
d_{MAX} = 2

$\frac{Q}{b} = \frac{49}{8} = 6.1$ $\quad d_c = 1.$

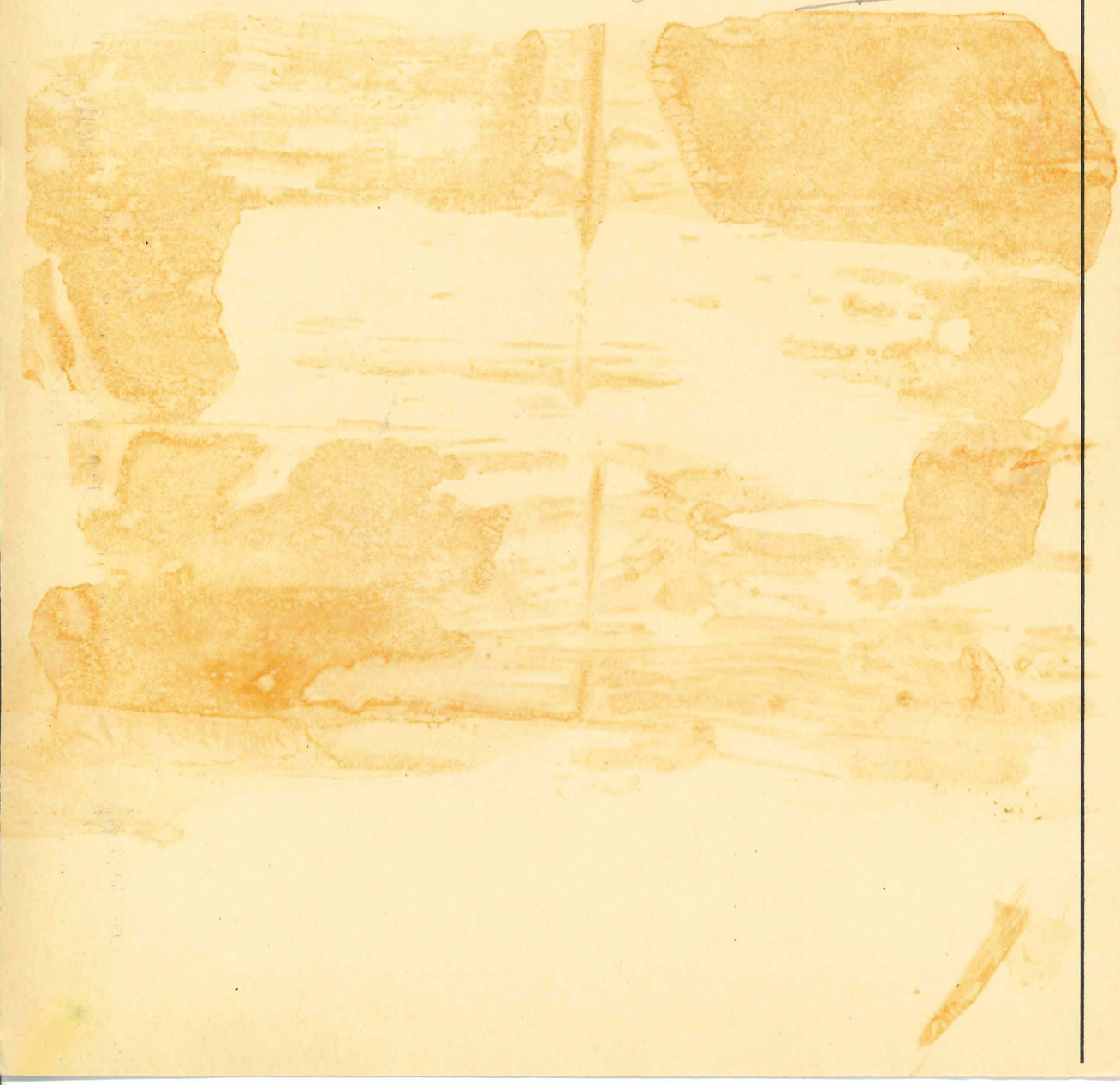
$\frac{z}{b} = \frac{1}{8} = .12$

$A_c = 1(8 + 2 \times 1) = 10\ ft^2$ $\quad V_c = \frac{49}{10} = 4.9$

$\frac{V_c^2}{2g} = .37$

$H_p = 1 + 1.4 \times .37 = 1.52$

$d_2 > 1.5$ → I suggest spill depth of 2.5 & width = 8'
Side slope 1:1



Reservoir—1M—11-62 State Printing 47212

R-39626

STATE OF OREGON

COUNTY OF POLK

Proof of Appropriation of Water

JOE W. CROWE

of Route 1, Box 12, Sheridan, State of Oregon, has

constructed a reservoir to store the waters of
unnamed stream, tributary of South Yamhill River in Crowe Reservoir No. 1,
appropriated under Appl. No. 39627, Permit No. 29445

for the purposes of
irrigation

under Reservoir Permit No. R-3954 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 March 11, 1964

that the amount of water entitled to be stored each year under such right, for the purposes aforesaid, shall not exceed 5.0 acre feet

The reservoir is located in

SE¼ SW¼
as projected within Andrews DLC 58
Section 11
T. 6 S., R. 6 W., W. M.

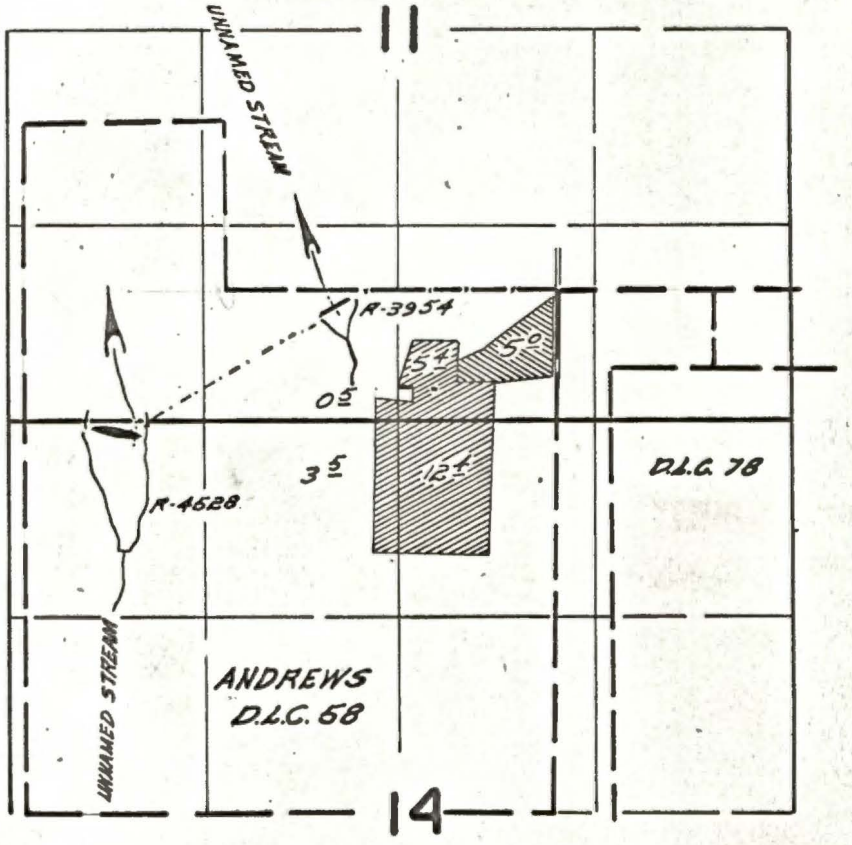
I have read the above and foregoing proof of appropriation of water; I know the contents thereof, and that the facts therein stated are true.

IN WITNESS WHEREOF, I have hereunto set my hand this 23 day of Sept, 19 69.

Joe W Crowe

9991

T.6S. R.6W.W.M.



DIVERSION POINTS LOCATED 120 Ft S & 1510 Ft W & & 980 Ft. S & 2840 Ft. W FROM NE. CORNER ANDREWS D.L.C. 58

P.W. 30185 P.W. 29445

FINAL PROOF SURVEY

UNDER

R- 39626 R- 3954
39627 29445
R-40526 R-4528

Application No. 40527 Permit No. 30185

IN NAME OF

JOE W. CROWE

MARY ALICE CROWE

Surveyed NOV. 13. 1968., by W. d. Ruppert

1968-P

Form B

Application No. 39267

NOTICE OF COMPLETION OF CONSTRUCTION

I, Joe W Crowe, the holder of Permit No. R-3954 to appropriate the public waters of the state of Oregon, completed the construction of the works described therein on the 1st day of August, 1964.

Remarks:

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

IN WITNESS WHEREOF, I have hereunto set my hand this 18 day of Dec., 1964

Joe W Crowe
(Signature of Applicant)

Sheridan Oregon
(Address)

Fill out, detach, and mail to the State Engineer, Salem, Oregon, when construction work is completed.

RECEIVED
DEC 21 1964
STATE ENGINEER
SALEM, OREGON

Form A

Application No. 39267

NOTICE OF BEGINNING OF CONSTRUCTION

OK
DWB

I, Joe W Crowe, the holder of Permit No. A-3954

to appropriate the public waters of the state of Oregon, began the actual construction of the works described therein on the 1st day of May, 1964.

Remarks:

The appropriator should state the manner of beginning construction work, number of men employed, the amount of work completed up to the date of this statement, and any additional information which may tend to show the beginning of work in good faith.

IN WITNESS WHEREOF, I have hereunto set my hand this 18 day of Dec., 1964

Joe W Crowe
(Signature of Applicant)

Sheridan Ore.
(Address)

Fill out, detach, and mail to the State Engineer, Salem, Oregon, when construction work is begun.

State Printing 37515

RECEIVED
DEC 21 1964
STATE ENGINEER
SALEM, OREGON

Abstract of Permit No. R-3954

Application No. R-39626 *Certificate No.*

Name Joe W. Crowe
Address Route 1, Box 12
Sheridan, Oregon

Source of water supply Unnamed stream, trib. S. Yamhill River, ~~trib. Willamette R.,~~ ~~to be~~ appropriated under Appl. No. 39627, permit No. 29445

Use ~~Storage~~ in Crowe Reservoir No. 1 ~~for~~ irrigation

Point of diversion ~~SE¼ SW¼, Sec. 11, T. 6 S., R. 6 W., W.M., in the county of Polk~~ ~~w/in Andrews DLC 58~~

Number of acres

DESCRIPTION OF LAND TO BE IRRIGATED OR PLACE OF USE

Twp.	Range	Sec.	NE¼ NE¼	NE¼ NW¼	NE¼ SW¼	NE¼ SE¼	NW¼ NE¼	NW¼ NW¼	NW¼ SW¼	NW¼ SE¼	SW¼ NE¼	SW¼ NW¼	SW¼ SW¼	SW¼ SE¼	SE¼ NE¼	SE¼ NW¼	SE¼ SW¼	SE¼ SE¼
							~~RESERVOIR LOCATED:~~											
6 S.	6W.	11												~~X~~				
			SE¼ SW¼				~~res~~/proj w/in Andrews								DLC 58			

Priority date March 11, 1964

Amount of water ~~6.0~~ 5.0 a.f., ~~stored water only~~

Time limit to begin construction May 1, 1965

Time limit to complete construction ~~10/1/66~~ extended to extended to

Time limit to completely apply water extended to extended to

Remarks: O.K. for 5. AcFt.
am Petska Engr

1968-P
11-13-68

ek

Basin 2 Vol. ______

Elevations

Dam Crest Min - 95 4

Present water level - 94 8

High storage level - 94 8

Spillway Crest - 93 6 - spillway has 12 ft earth plug

Conduit Invert downstream 84 4

Toe of downstream slope 84 0

93.6
84.4
9.2

948
844
10.4

This reservoir has been excavated to bottom dam -

Dam — length 300 ft. width - 12 0 crest.

upstream slope 3:1 according to owner downstream slope 2.4:1

Spillway — in natural earth around lt. end of dam. width of bottom 50 ft. Top width 90 ft 2½ ft deep. 3.4% grade first 50 ft.

Conduit 6" steel - 150 ft from right end control gate on upstream end.

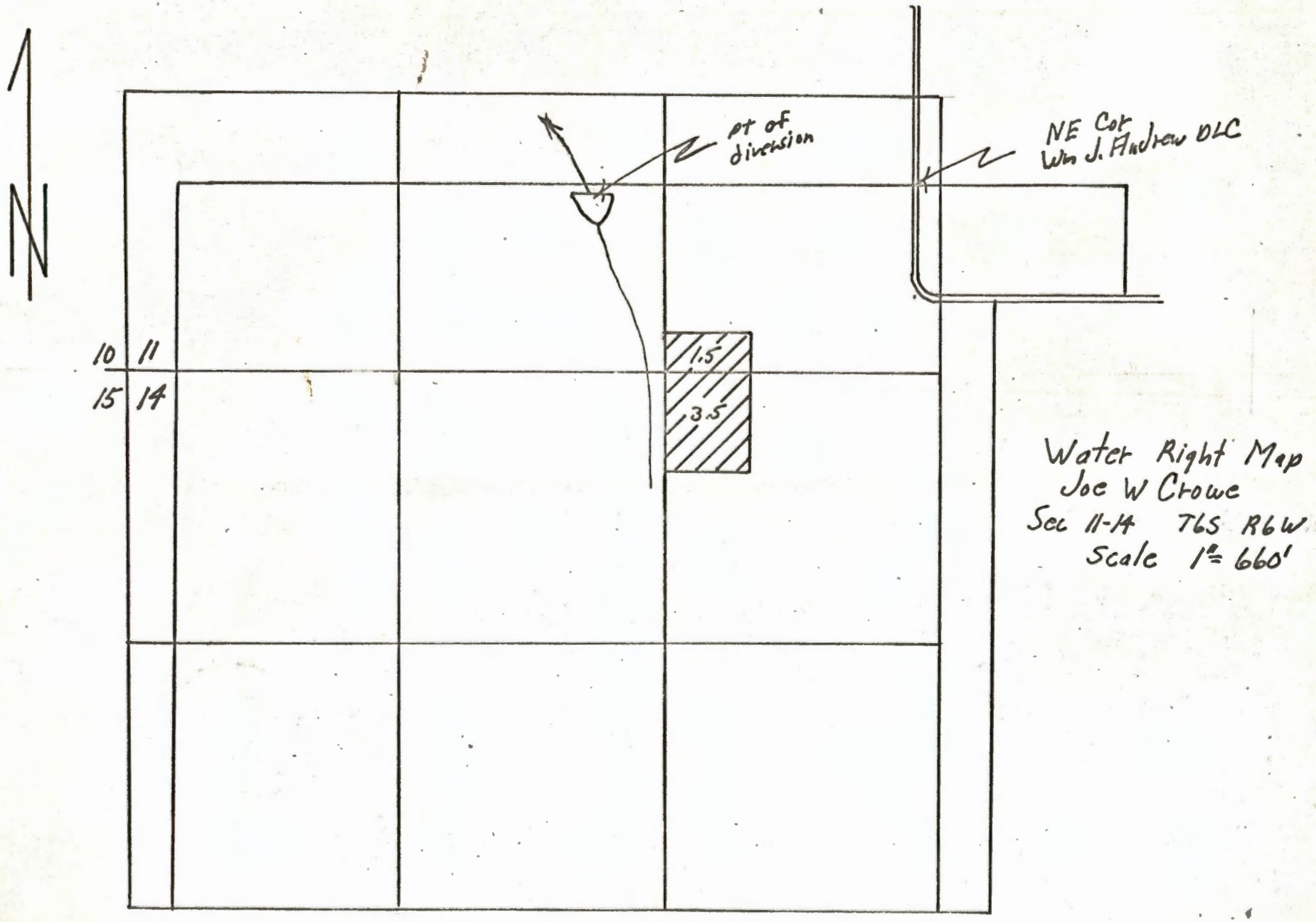
0 8 Acre Surface Area.

~~Hwy 13~~

9.2
.8
7.36

10.4
.8
8.32
.6
4.992 A.F.

Ver. 13-68 w/Engineer.



Water Right Map
Joe W Crowe
Sec 11-14 T6S R6W
Scale 1" = 660'

Application No. R-39626, 39627
Permit No. R-3954, 29445

R-46892
46893
R-40526
40527

April 27, 1970

Leland Hardy
Area Engineer
Soil Conservation Service
2216 East 9th Street
Albany, Oregon 97321

Dear Mr. Hardy:

In 1968, plans and specifications were prepared for the enlargement of the Joe Crowe Dam, your drawing No. 7-E-20901. In November of 1968, engineers from this office performed an inspection of this project in connection with final proof. We found the project is impounding more water than called for under State Engineer's permit.

Subsequent correspondence with Mr. Crowe resulted in his filing an application for this excess storage as indicated on the plans prepared by the Soil Conservation Service. Mr. Crowe recently submitted these plans as supporting data for his application.

I have reviewed these plans and specifications and am returning them to you in order that you may provide clarification of conduit installation.

On Sheet 2 of 3 on the drawing labeled Section Through Center Line of Dam and Conduit Station 13+80, you show a 24" 12-gage CMP asphalt coated riser, and you indicate excavate existing dam for core trench. A report of November 1968 indicates that this riser pipe has not been installed in the old dam. Would you please provide a cross-section and sufficient drawings to accurately portray just exactly how the dam is to be cut and the riser pipe and conduit extension installed, particularly in the area of Station 0+40 to 0+00.

Upon your resubmission of these plans and specifications, adequately clarifying this installation, we shall again consider this project for our approval by issuance of State Engineer's permit.

Very truly yours,

A. M. Petska
Engineer

AMP:lsa

cc: Joe W. and Mary A. Crowe
Route 1, Box 12
Sheridan, Oregon 97378

~~Vern Danner~~, Watermaster

R-40526
40527

March 23, 1970

Joe W. Crowe
Route 1, Box 12
Sheridan, Oregon 97378

Dear Mr. Crowe:

Would you please advise as to the progress the Soil Conservation Service is making toward preparing the plans and specifications for your dam and when we might expect your submitting these plans for our approval.

Very truly yours,

A. M. Petska
Engineer

AMP:lea

cc: Clayton Gardner, Watermaster
Washington County Courthouse
Hillsboro, Oregon 97123

R-40526
40527
R-39626
39627

September 22, 1969

Joe W. Crowe
Route 1, Box 12
Sheridan, Oregon 97378

Dear Mr. Crowe:

On August 19, 1969, we mailed you copies of proofs of the certificates in connection with the incomplete water rights represented by your permits numbered R-4528 and 30185 for the storage and use of water from an unnamed stream and reservoir, and permits numbered R-3954 and 29445 for the storage and use of water from an unnamed stream and Crowe Reservoir No. 1, together with the instructions that the statement at the bottom of each page be signed and the copies be returned to this office accompanied by the certificate recording fees in the amount of $4.00.

To date these forms have not been received nor has any correspondence regarding reasons for not returning them been received. This is to notify you that unless we receive the signed final proof forms and the certificate recording fees, or a request for additional time within thirty days from the date of this letter, we will be required to take steps toward the cancelation of these permits.

Very truly yours,

Myron V. Bish
Assistant

MVB:slv

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

REFER TO FILE NO. R-39626 ~~39627~~ R-40526 40527

August 19, 1969

Joe W. Crowe
Route 1, Box 12
Sheridan, Oregon 97378

Dear Sir:

Enclosed is the final proof in connection with the incomplete water right represented by your permit No. R-3954, 29445, R-4528, and 30185.

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, 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
SIV

Please submit $1.00 with each permit.

39627
R-39626
40527
R-40526

April 12, 1966

Joe W. Crowe
Route 1, Box 12
Sheridan, Oregon

Dear Sir:

This will acknowledge receipt of your notices for completion of construction work and complete application of water in regards to permits numbered 29445 and R-3954, also your notice of beginning of construction and completion of construction for permits numbered 30185 and R-4528.

At a later date a representative from this office will make the final proof survey in connection with your permits numbered 29445 and R-3954. After this survey proof may be made and certificate issued covering the actual use of water as found by the engineer.

In case of irrigation any lands described in the permit that have not been irrigated will be automatically eliminated from the water right.

In the meantime the permit which you hold will be valid evidence of the water right in question so long as you continue to use the water.

In regards to permits 30185 and R-4528 you have indicated the date on your notice of completion of construction to be August 1, 1966. If this date is in error, would you please indicate the correct date on the enclosed Form B and submit it to this office.

Under the terms of these two permits, the date for completion of construction work is October 1, 1966.

Very truly yours,

CHRIS L. WHEELER
State Engineer

By
Byron V. Bish, Assistant

MVB:sfr

Enclosure

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

REFER TO FILE NO. R-39626 & 39627

December 22, 1964

Mr. Joe W. Crowe
Route 1, Box 12
Sheridan, Oregon

Dear Mr. Crowe:

This will acknowledge notice of beginning and completion of construction under the terms of permit No. R-3954 and 29445.

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, 1967. (In the case of irrigation completion of the appropriation means at least one beneficial irrigation of all the lands to be irrigated under the subject permit.)

Very truly yours,

Chris L. Wheeler

CHRIS L. WHEELER
State Engineer

Form 127

pj

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : Joe Crowe

DATE: 12-15-64

FROM : Daryl Otjen

SUBJECT: Water Rights

Please sign these forms and send them to

State Engineer
Room 516 Public Service Bldg.
Salem, Oregon

R-39626
39627

May 27, 1964

Mr. Joe W. Crowe
Route 1, Box 12
Sheridan, Oregon

29445 with blueprint.

R-39626, 39627, permit Nos. R-3954 and

R-39626
39627

March 30, 1964

Mr. Joe W. Crowe
Route 1, Box 12
Sheridan, Oregon

Dear Mr. Crowe:

This will acknowledge your letter submitting a legal description to accompany your application numbered 39627.

Your applications numbered R-39626 and 39627 may now be considered for approval by issuance of permits with the next group.

Very truly yours,

CHRIS L. WHEELER
State Engineer

By
Walter N. Perry, Assistant

egw

Dear Sir,

Here is a copy of our deed where the pond is to be built the spill way will be lowered to 2.5 feet instead of 2 feet.

Sincerely
Joe Crowe
Sheridan
Ore.

R-39626
39627

March 24, 1964

Mr. Joe W. Crowe
Route 1, Box 12
Sheridan, Oregon

Dear Mr. Crowe:

This will acknowledge receipt of two applications, one for a permit to construct Crowe Reservoir No. 1 for the storage of six acre feet of water from an unnamed tributary of the South Yamhill River for irrigation purposes and one for permit to appropriate the stored water from the reservoir for the irrigation of five acres, the accompanying tracing, small dam description, and fees in the sum of $30 for which our receipts numbered 208 and 209 were handed to you.

Your applications have been examined and filed under files numbered R-39626 and 39627. Before they may be considered for approval by issuance of permits, it will be necessary that you submit a legal description of the property upon which the water is to be used. This should be copied word for word from your deed, abstract, title insurance policy, or sales contract.

During examination of the reservoir application, it is noted that, according to the data in this office, the peak flood of fifty-year frequency which might be expected in the drainage basin described in your application could contribute as much as 45 cubic feet of water per second to the flow of the stream at the point where your dam is to be contructed. The spillway you have described for your reservoir would not provide sufficient freeboard if such a flood occurred. It is suggested that you amend your application by increasing the depth of the spillway from 2 feet to 2.5 feet. Your application may be amended without being returned to you if you will give us your written authorization.

We will withhold further action on your applications pending your reply.

Very truly yours,

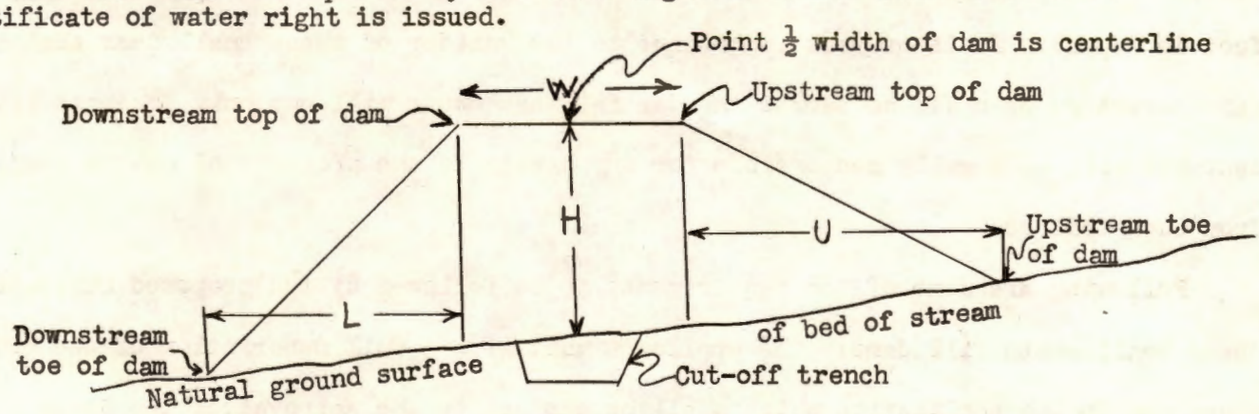
CHRIS L. WHEELER
State Engineer

By
Walter N. Perry, Assistant

WNP:egw

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:

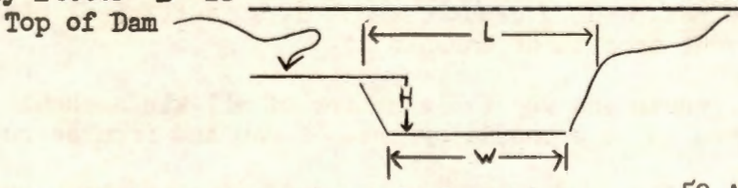
Amount of water impounded 6 acre feet.

Top width of dam indicated on sketch by letter "W" 10 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 9.5 feet.

The horizontal distance from upstream top of dam to upstream toe indicated on sketch by letter "U" is 29 feet.

The horizontal distance from downstream, indicated on sketch by letter "L" is 20 feet.



Spillway:

Approximate drainage area of creek above dam 50 Acres square/mile.

Bottom width of spillway, indicated on sketch by letter "W" is 8 feet.

Top width of spillway, indicated on sketch by letter "L" is 12 feet.

Distance between top of dam and bottom of spillway at the upper end, indicated on sketch by letter "H" is 2.5 see ltr 3-30-64 feet.

Outlet:

Size and type of outlet pipe through base of dam which will allow free passage of the natural flow of the stream 6" steel.

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-39626
Permit No. R-3954

ADDITONAL 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 and 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: The applicant must give a full description of the 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 of embankment. The depth of the spillway should be sufficient to maintain a minimum distance of 2 feet from the crest of the dam to the water surface in the reservoir during the maximum flood. (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.
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 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. Prefabricated concrete pipe is not acceptable unless encased in concrete.
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. Prefabricated asphalt dipped metal cutoff collars are also satisfactory.
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, rubber tired equipment, or compacting rollers traveling the length of the dam.