

Name U. S. Department of Interior
By Bureau of Land Management
Address P. O. Box 713
Burns, Oregon

Date filed July 28, 1961
Priority July 28, 1961
Action suspended until OK Cert

Returned to applicant
Date of approval August 10, 1964

CONSTRUCTION

Date for beginning August 10, 1965
Date for completion October 1, 1966
Extended to

Date for application of water
Extended to

PROSECUTION OF WORK

Form "A" filed
Form "B" filed Complete
Form "C" filed

Blank mailed **FINAL PROOF**
JUN 22 1979
Proof received
Date certificate issued **FEB 17 1989**

Application No. R-35629
Permit No. R-4035
Certificate No. 60272

Stream Index, Page No. 12-2J
Correspondence in R-35663

FEES PAID

Date	Amount	Receipt No.
<u>12-11-61</u>	<u>1.00</u>	<u>31988</u>
	B. P. Fee	
	\$1 Cert. Fee	

FEES REFUNDED

Date	Amount	Check No.

ASSIGNMENTS

Date	To Whom	Address	Volume	Page

REMARKS

Big Basin Reservoir and storage of 1.0 a.f. of water from Skull Creek (Catlow Valley drainage) for livestock.

1/15/64 - P-23, OK

Form A1-187
March 1961

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SECTION

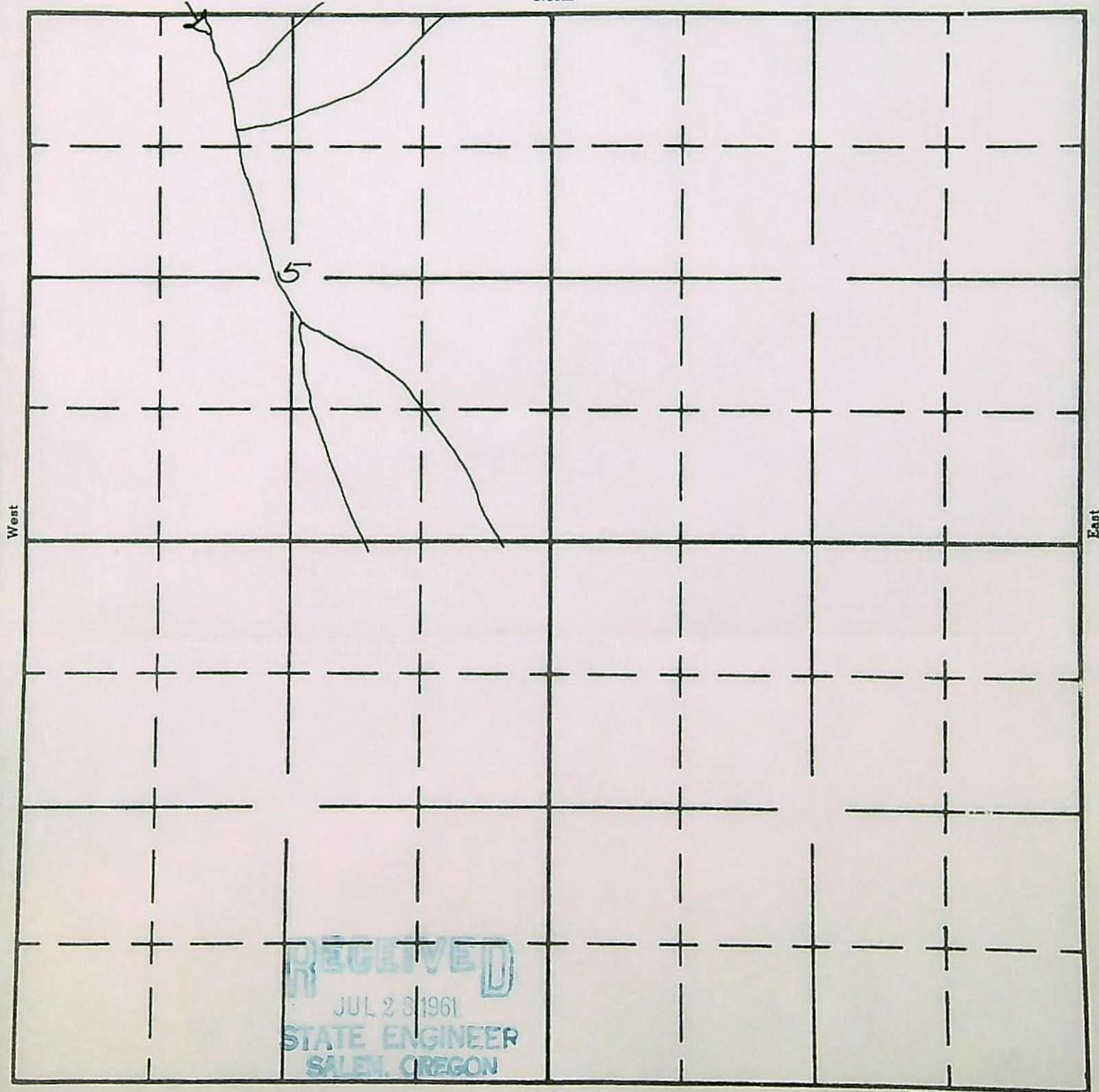
Oregon State Water Filings

NE 1/4 NW 1/4

TOWNSHIP 3 7₅, RANGE 3 2 3/4 W. M.

Sec 5

North



3/4

APPLICATION No. R-35679
PERMIT No. R-4035

STATE OF OREGON

BLM No. 09-0324

COUNTY OF

BIG BASIN RES.

PROOF OF APPROPRIATION OF WATER

This is to show evidence that

UNITED STATES BUREAU OF LAND MANAGEMENT acting by and through its BURNS DISTRICT office of 74 So ALUARD BURNS OR 97720 has perfected a right to the use of waters within the terms of Application R-35679, Permit R-4035,

- 1. Sources of water supply UNNAMED STREAM
- 2. Use LIVESTOCK/WILDLIFE
- 3. Priority date 7-28-61
- 4. Amount stored 0.9 ACRE FT.
- 5. Location NE 1/4, NW 1/4, Section 005, T. 37S, R. 32 3/4E W.M.
- 6. Does application map show correct location of reservoir? Yes.
If not, please redraft location.

RECEIVED

APR 4 1984

WATER RESOURCES DEPT.
SALEM, OREGON

AFFIDAVIT OF APPROPRIATOR

STATE OF OREGON)
County of HARNEY) ss.

I, THOMAS R. THOMPSON JR., being first duly sworn, depose and say that I have read the above and foregoing proof of appropriation of water; that I know the contents thereof, and that facts therein stated are true.

IN WITNESS WHEREOF, I have hereunto set my hand this 16th day of MARCH, 1984.
Thomas R. Thompson Jr.

Subscribed and sworn to before me this 16th day of March, 1984.

Michael S. Wallace
Notary Public for Oregon

My commission expires 5/84

STRUCTURAL DETAILS

7. If not in channel of a stream, state how it is filled _____

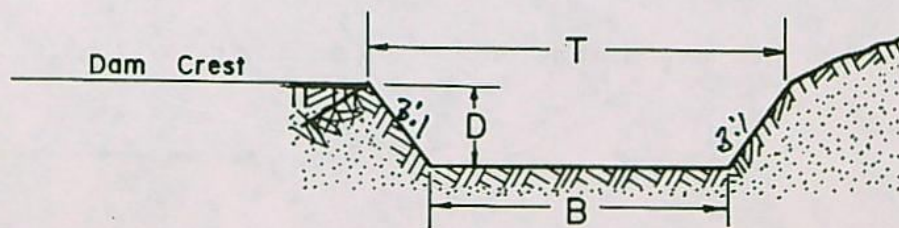
8. The maximum height is 8 feet above stream bed or ground surface at the center-line. The top width is 12 feet, slope of upstream face 3:1, slope of downstream face 2:1, and height of dam above water line when full 3 feet.

9. The dam is (check one) ☒ earthfill, ☐ concrete, ☐ flashboard, ☐ other. If "other," give description: _____

10. Give the location, description, and dimensions of the outlet conduit: NONE

(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.)

11. Give the location and dimensions of the spillway _____
(State whether over or around dam)



The bottom width of the spillway, B, is 20 feet.

The top width of the spillway, T, is 48 feet.

The distance between the crest of the dam and the crest of the spillway, D, is 3 feet.
(Must be at least 2½ feet)

If any other type of spillway, describe and give dimensions:

Abstract of Permit No.

R-4035

Application No.

Certificate No.

H-35679

Name _____

Bureau of Land Management

Address

P. O. Box 713

Burns, Oregon

Source of water supply

UNNAMED STREAM, TRIB.
OF Skull Creek, trib. Catlow Valley Drainage

Use

Storage in Big Basin Reservoir for livestock

Point of diversion

NE 1/4 NW 1/4, Sec. 5, T. 37 S., R. 32 3/4 E., W. M.,
in the county of Harney

Number of acres

DESCRIPTION OF LAND TO BE IRRIGATED OR PLACE OF USE

[illegible]

Priority date

July 28, 1961

Amount of water

0.9

~~1.0~~ acre foot, stored water only

Time limit to begin construction

August 10, 1965

Time limit to complete construction

extended to

extended to

Time limit to completely apply water

10-1-66

extended to

extended to

Remarks:

Form A1-187
March, 1961

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

09-6002 -0324

SECTION

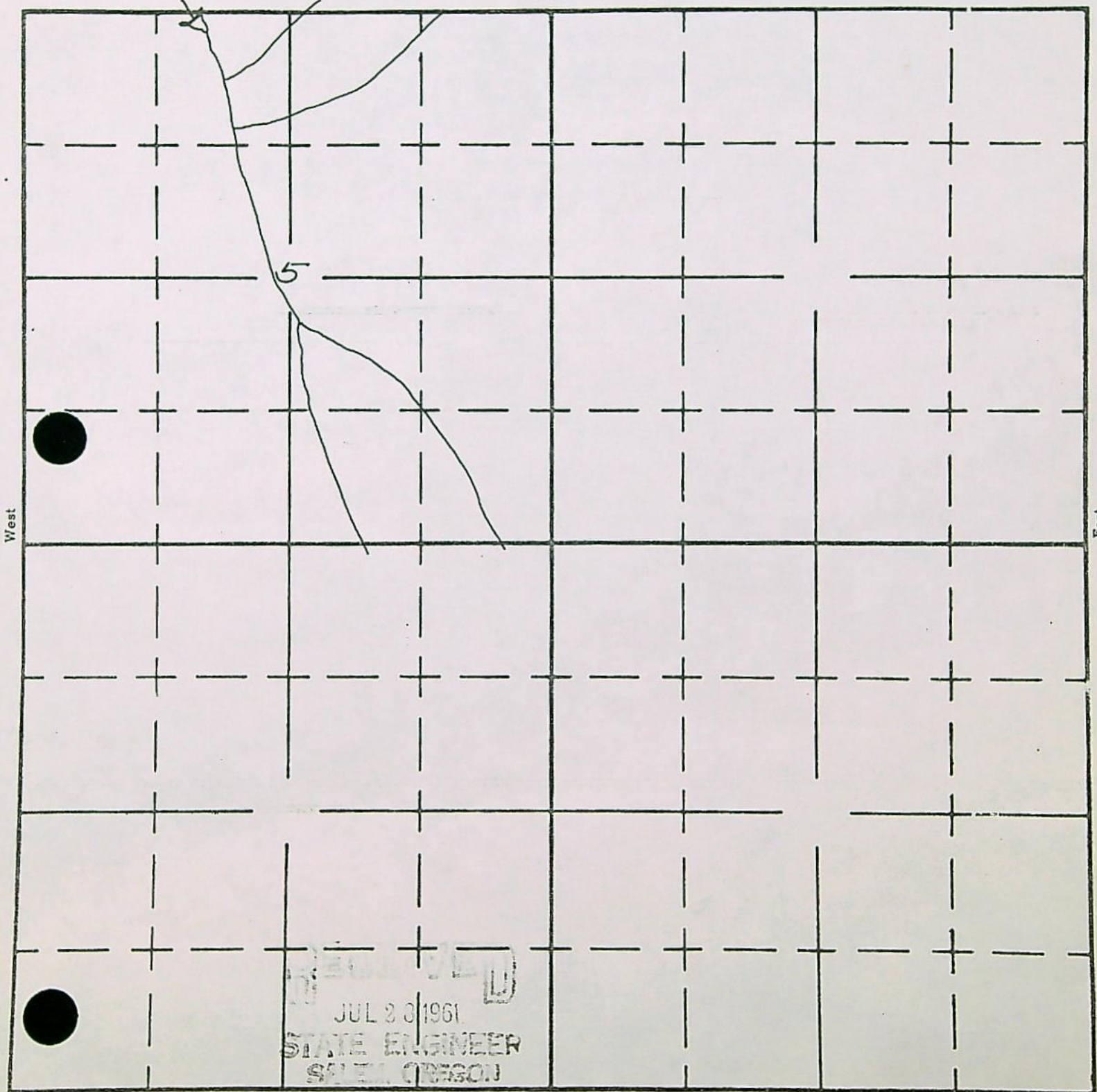
Oregon State Water Filings

NE 1/4 NW 1/4

TOWNSHIP 37, RANGE 32 3/4 W. M.

Sec 5

North



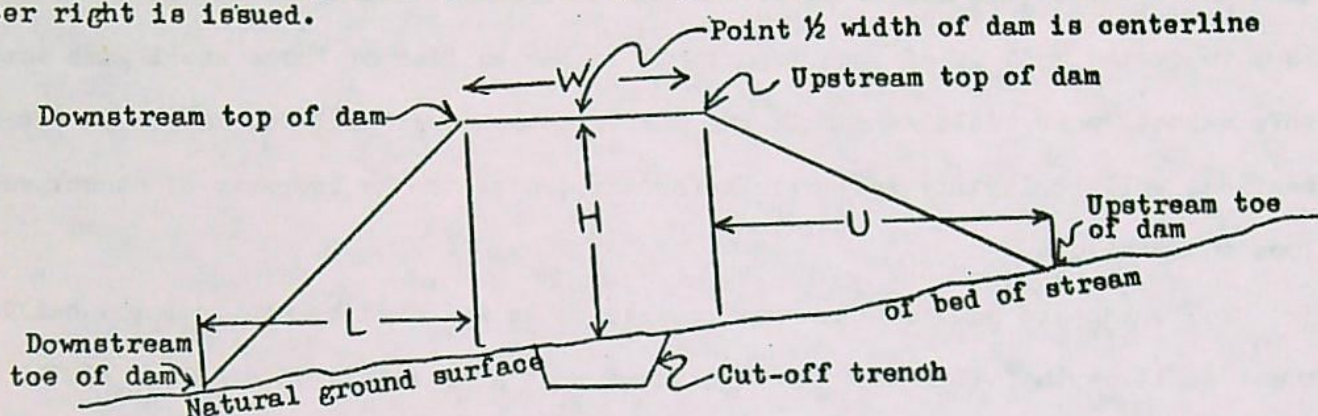
South

RECORDED
JUL 20 1961
STATE ENGINEER
STATE OF OREGON

APPLICATION No. R-35679
PERMIT No. R-4035

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:

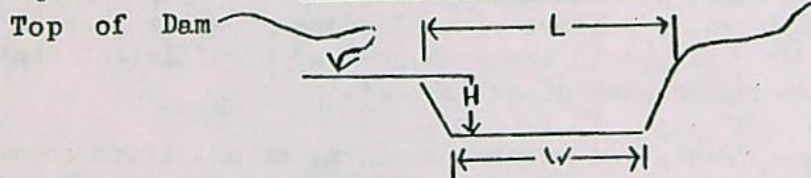
Amount of water impounded _____ 1 _____ acre feet.

Top width of dam indicated on sketch by letter "W" _____ 12 _____ feet.

Height of dam measured from top of dam to ground surface or bed of stream on center line of dam or a point $\frac{1}{2}$ the top width of the dam, indicated on sketch by letter "H" is _____ 10 _____ feet.

The horizontal distance from upstream top of dam to upstream toe indicated on sketch by letter "U" is _____ 30 _____ feet.

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



Spillway:

Approximate drainage area of creek above dam _____ $\frac{3}{4}$ _____ square mile.

Bottom width of spillway, indicated on sketch by letter "W" is _____ 10 _____ 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 _____ 3 _____ feet.

Outlet:

Size and type of outlet pipe through base of dam which will allow free passage of the natural flow of the stream _____ none _____.

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

RECEIVED
JUL 28 1961
STATE ENGINEER
SALEM, OREGON

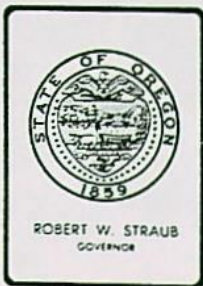
Carl P. McCall
Signature of Applicant

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 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.



Water Resources Department

MILL CREEK OFFICE PARK

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

PHONE 378-3066

R-33641, R-33814
R-34909, R- 35001
R- 35576, R-35594
R- 35620, R-35679
R-35926, R-36026
R-36372, R-40592
R-41832

January 31, 1978

L. Christian Vosler, U.S.D.I.
Bureau of Land Management
74 S. Alvord
Burns, OR. 97720

Dear Mr. Vosler:

Enclosed are copies of the permits and applications you requested in your letter of January 27, 1978. (#7154).

Sincerely,

LARRY TOLL
Water Rights Engineer

LMT:tld