



1. 600 Ft. 1. 20 Ft.  
 having a length on top of 2. 1300 Ft. feet; length on bottom 2. 10 Ft.  
 1. 20 Ft. 1. 2:1 & 2 1/2:1  
 feet; width on top 2. 20 Ft. feet slope of front or water side 2. 2:1 & 2 1/2:1  
 1. 1 1/2:1 (Feet horizontal to 1 vertical)  
 slope on back 2. 1 1/2:1; height of dam above water line when full  
 1. 5.0 Ft. (Feet horizontal to 1 vertical)  
 2. 5.0 Ft. feet.

7. The construction of dam, the material of which it is to be built, and method of protection from waves are as follows: 1. Lower half Rock Fill, Upper Half Earth, Rip-rap.  
 2. " " " " " " " " " "

8. The location of wasteway with dimensions are as follows: 1. Wasteway 8 Ft. wide to 30 inch pipe around dam. (State whether over or around the dam)  
 2. Waste way 14 Ft. wide to 2-30 inch pipes around dam and emergency waste 20 feet wide but one foot higher around other end of dam.

9. The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows: 1. 12 inch outlet under dam, Cast iron or Transite (State whether through or around the proposed dam)  
 2. 18 inch outlet under dam, Cast iron or Transite

10. The area submerged by the proposed reservoir, when full, will be 1. 9.43 acres 2. 25.6 acres acres,  
 with a maximum depth of water of 1. 30 Ft. 2. 24 Ft. feet; and approximate mean depth of water feet.

11. The estimated cost of the proposed work is \$ Both Reservoirs \$33,000.00  
 1. Nov. 25, 1938  
 12. Construction work will begin on or before 2. Nov. 15, 1938  
 1. Oct. 25, 1938  
 13. Construction work will be completed on or before 2. Oct. 25, 1938

Duplicate maps of the proposed reservoir and storage works, prepared in accordance with the rules of the State Water Board, accompany this application.

City of Astoria By (Name of applicant)

James O. Convill, City Manager

Signed in the presence of us as witnesses:

(1) Esther E. Juntti, Astoria, Oregon (Name) (Address of witness)

(2) G. T. McClean, Astoria, Oregon. (Name) (Address of witness)



Application No. R-17631

Reservoir Permit No. R-724

**PERMIT**

To construct a reservoir and store for beneficial use the unappropriated waters of the State of Oregon.

District No. ....

This instrument was first received in the office of the State Engineer at Salem, Oregon, on the 14th day of October, 1938., at 1:00 o'clock P. M.

Returned to applicant for correction:

Corrected application received:

Approved:

February 14, 1939

Recorded in Book No. 3 of Reservoirs, on Page 724

CHAS. E. STRICKLIN.

State Engineer

Form 103a-500-7-37

STATE PRINTING DEPT.

1 - 24.

Fees Paid \$7.49.