*Reservoir Permit No. R 5478

CERTIFICATE NO. 40492

Application for a Permit to Construct a Reservoir and to Store for Beneficial Use the Unappropriated Waters of the State of Oregon

I, Tualatin Hills Park & Recreation District
(Name of Applicant)

of 425 S.W. 3rd. Avenue Beaverton, Oregon 97005,
(Mailing Address)

State of Oregon, do hereby make application for a permit to construct the following described reservoir and to store the unappropriated waters of the State of Oregon, subject to existing rights.

If the applicant is a corporation, give date and place of incorporation .....

1. The name of the proposed reservoir is Commonwealth Lake

2. The name of the stream from which the reservoir is to be filled and the appropriation made is Artesian springs that formerly was the water supply for Cedar Hills Subdivision----plus storm drainage tributary of .....

3. The amount of water to be stored is 14.85 acre feet.

4. The use to be made of the impounded water is Recreation
(Irrigation, power, domestic supply, etc.)

5. The location of the proposed reservoir will be in Sec. 4 (N½ of NE¼)
(Give sections or townships to be submerged)
Tp. 1S, R. 1W, W.M., in the county of Washington, Oregon

(a) State whether situated in channel of running stream and give character of material at outlet Not in a channel of running stream----Source from artesian springs

(b) If not in channel of running stream, state how it is to be filled. If through a feed canal, give name and dimensions Lake will be constructed to include artesian spring

6. The dam will be located in ~~SE¼NW¼~~
(Smallest legal subdivision), Sec. 4 (NW¼ of NE¼)
Tp. 1S, R. 1W, W.M. The maximum height will be 4 feet above stream bed or ground surface on center line of dam. The length on top will be 6" Conc-wall in spillway feet; length on bottom 10 feet; width on top 10 feet; slope on front or water side .....; slope on back .....; height of dam above water line
(Feet horizontal to 1 vertical) (Feet horizontal to 1 vertical)
when full ..... feet.

* A different form of application should be used for the appropriation of stored water to beneficial use. Such forms can be secured without charge, together with instructions, by addressing the State Engineer, Salem, Oregon 97310.

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7. The construction of dam, the material of which it is to be built, and method of protection from waves are as follows: reinforced concrete vertical wall, side walls, and spillway slabs. As per plans furnished

Small lake-----no wave action

8. The location of wasteway with dimensions are as follows: (State whether over or around the dam).

A steel dipped over flo pipe to regulate the level of the lake----with a concrete spillway for flash floods.

9. The location of outlet from the proposed reservoir, with character of construction and dimensions, are as follows: (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)

10. The area submerged by the proposed reservoir, when full, will be 5.4 acres, with a maximum depth of water of 4.0 feet; and approximate mean depth of water 2.75 feet.

11. The estimated cost of the proposed work is $ 5000.00

12. Construction work will begin on or before Sept. 1, 1969

13. Construction work will be completed on or before Sept. 1, 1970

TUALATIN HILLS PARK & RECREATION D...

(Signature of applicant)

George Wm Otten

STATE OF OREGON,

ss.

County of Marion,

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

In order to retain its priority, this application must be returned to the State Engineer, with corrections on or before ....., 19.....

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

STATE ENGINEER

By .....

ASSISTANT

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Remarks: The source of water for this lake comes from artesian springs that for years was pumped and used for the Cedar Hills water supply. When the pumping station was abandoned----the spring was left to flo into the low lying land which created a large boggy area. No burm has been built up to contain this lake---but the lake outline was merely outlined in th bog and the excavation conformed to its shape. We therefore constructed no dam, dike, or berm, or will force the water height to any greater height than what existed befroe.

The over-flo will consist of a 24" corrugated, dipped, steel pipe(stand pipe) with a 18" out-flo thru the spillway. Another 18" drain pipe (corrugated, dipped, steel) will be provided with a slide gate at the spillway. As per plans submitted a concrete spillway will be constructed to handle flash flooding. All over-flo and outflo will empty into a drainage ditch provided by drainage Dist. #8, an extension of Johnson Creek

STATE OF OREGON,
County of Marion, } *ss.*

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 Commonwealth Lake and storage of water from spring area to be appropriated under application No. 46489, permit No. 34404, for recreation and the dam shall be constructed under the supervision of a registered professional engineer.

The right hereunder shall be limited to the storage of 14.85 *acre feet.*

The priority date of this permit is October 16, 1969

Actual construction work shall begin on or before February 2, 1971 *and shall thereafter be prosecuted with reasonable diligence and be completed on or before October 1, 19*71.

WITNESS my hand this 2nd *day of* February, *19*70.

STATE ENGINEER

PC

Application No. R-46468

Reservoir Permit No. R 5478

PERMIT

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

This instrument was first received in the office of the State Engineer at Salem, Oregon, on the 16th *day of* October, 19 69, *at* 8:00 *o'clock* ..... *M.*

Returned to applicant:

.....

Approved:

February 2, 1970

Recorded in Book No. ..... *of Reservoirs, on Page* R 5478

CHRIS L. WHEELER
State Engineer

Drainage Basin No. 2 *page* 6289

Fees $20.00

SP*44046-119