



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Lower Columbia River Refuges
1309 N.E. 134th, Room C
Vancouver, Washington 98665

RECEIVED

OCT 18 1983

WATER RESOURCES DEPT.
SALEM, OREGON

October 13, 1983

Water Resources Department
Mill Creek Office Park
555 13th Street N.E.
Salem, OR 97310

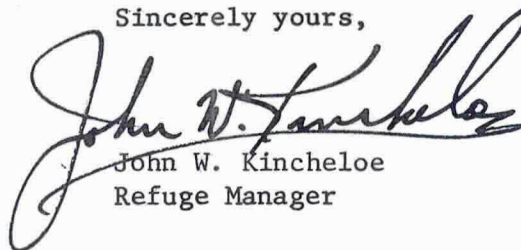
Re: Permit Nos.:R-8298
45974

Gentlemen:

We completed the projects in reference to subject permits by September 1982, but, unfortunately, we failed to send you the completion report attached to our permit. We are doing so now, as well as apprising you of the current status.

During the winter and spring of 1982-1983 the revetment was eroded by high water. It was repaired in September of 1983. After repairs, the revetment was armored with a filtration blanket of 5" minus rock and covered with class 2 rip rap to prevent further erosion. An overflow spillway approximately one foot lower than the revetment was constructed and armored to prevent future erosion to the revetment during spring high water runoff.

Sincerely yours,



John W. Kincheloe
Refuge Manager

JWK:vw

Enc. 2

Application No. R-60261

DO NOT SEND **RECEIVED**

Permit No. R 8298

SEP 24 1981

NOTE: ELEVATIONS ARE
N.G.V.D. (M.S.L.).

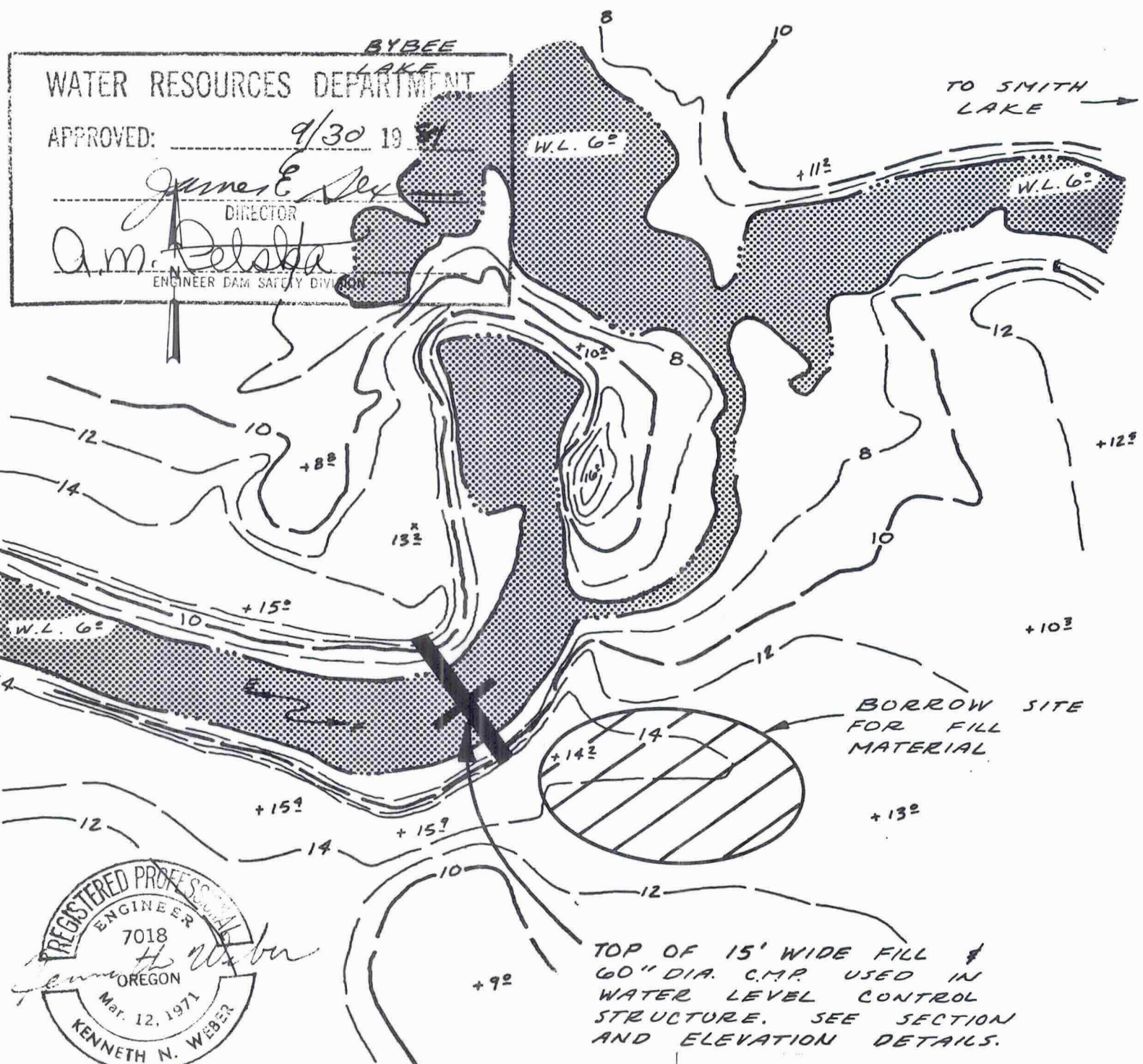
WATER RESOURCES DEPT.
SALEM, OREGON

WATER RESOURCES DEPARTMENT

APPROVED: 9/30 1981

James E. Rex
DIRECTOR

A.M. Delsta
ENGINEER DAM SAFETY DIVISION

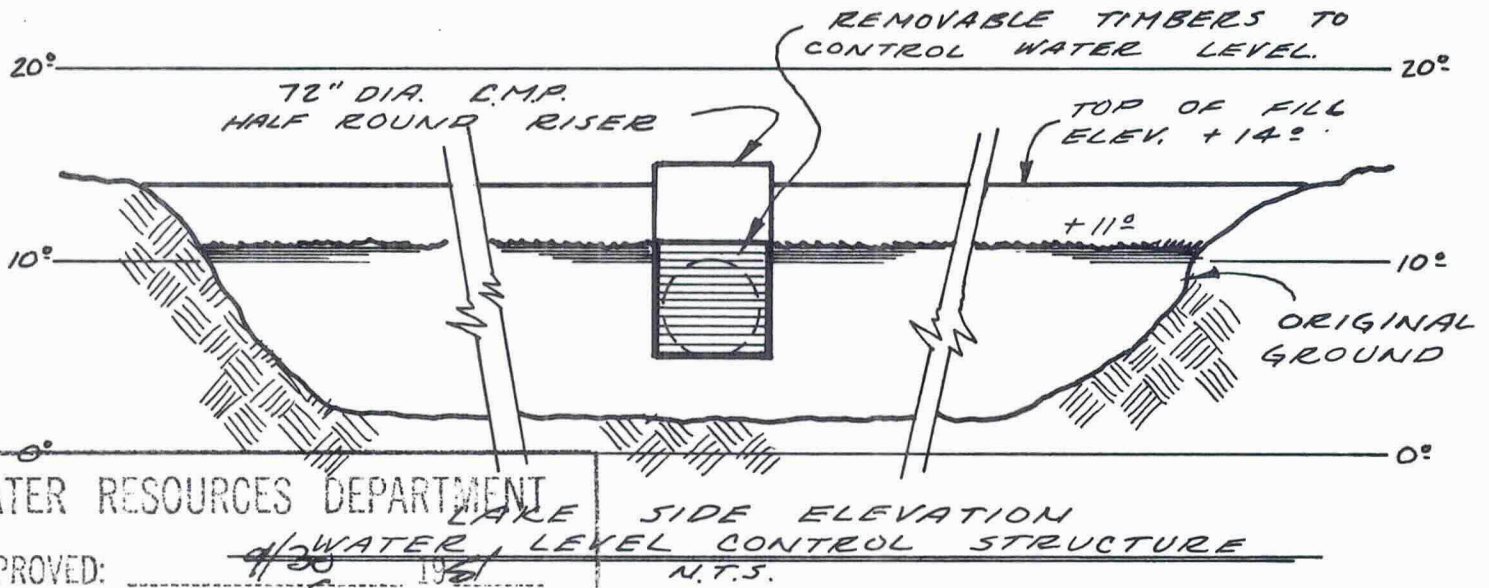
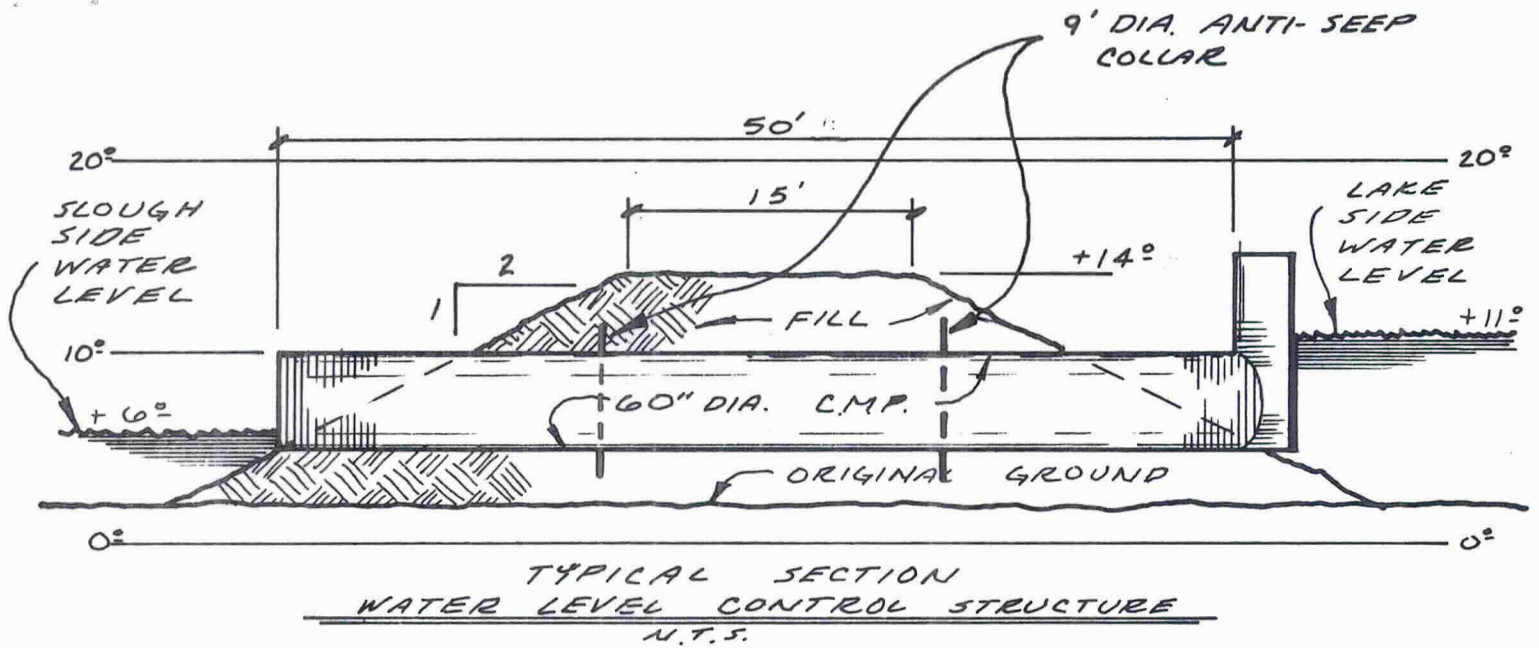


REGISTERED PROFESSIONAL
ENGINEER
7018
Kenneth N. Weber
OREGON
Mar. 12, 1971
KENNETH N. WEBER

SITE PLAN
TEMPORARY WATER LEVEL
CONTROL STRUCTURE

in COLUMBIA SLOUGH
at PORTLAND
County of MULTNOMAH, State ORE
Application by U.S. Fish & Wildlife
Date AUG. 1981

4/5



WATER RESOURCES DEPARTMENT

APPROVED: 4/30 1981

J. E. Senior
DIRECTOR

A. M. DeLaba
ENGINEER DAM

DEPTH OF FILL VARIES



TYPICAL SECTION
MINOR FILL SITE
N.T.S.

DEPARTMENT OF
WATER RESOURCES
DO NOT SEND OUT

5/5

in COLUMBIA SLOUGH

at PORTLAND

County of MULTNOMAH, State ORE.

Application by U.S. Fish & Wildlife

Date Aug. 1981

RECEIVED Application No. R-60261
Permit No. R 8298

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SALEM, OREGON