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BOOK 252 PAGE 190

FILED FOR RECORD
SKAMANIA COUNTY
BY *Public Works*

OCT 14 1 07 PM '03

P. LeFevre
AUDITOR
J. MICHAEL CARVISON

Return Address: Skamania County
Public Works Department.
P.O. Box 790
Stevenson, WA, 98648

Skamania County
Department of Planning and
Community Development

Skamania County Courthouse Annex
Post Office Box 790
Stevenson, Washington 98648
509 427-9458 FAX 509 427-8868

FILED
OCT 14 2003
SKAMANIA COUNTY
AUDITOR
J. MICHAEL CARVISON

Letter Amendment to Administrative Decision NSA-01-43

APPLICANT: Skamania County Public Works Dept. for Skamania County Community Events and Recreation

FILE NO.: Amendment to NSA-01-43 and associated Letter Amendment.

REFERENCE NO.: Administrative Decision for NSA-01-43, recorded in Book 244, Page 769, Auditor's file # 199209, recorded on the 25 day of June, 2003 and associated Letter Amendment recorded on June 25, 2003.

LEGAL: Recorded in Book 143, Page 828, Auditor's file #119729, recorded on the 15th day of June 1994 at the Skamania County Auditor's Office.

PROJECT: Drano Lake Recreation Facility Improvement Project including expanding an existing boat launch site from 1.03 to 1.93 acres, relocating boat launch to the East, construct a dock and break-wall dock breakwater, expand entryway to site, landscaping and irrigation, new restroom facilities (47' 21" X 13'), and new ticket dispenser.

LOCATION: Immediately North of SR-14 at Drano Lake in Skamania County; Section 35 of Township 3N, Range 9E, W.M. and identified Skamania County tax lot #03-09-35-00-0201-00.

ZONING: General Management Area zoned Public Recreation where development is taking place and undeveloped Open Space.

October 8, 2003

Dear Tod LeFevre,

Amendment NSA-01-43
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The Planning Department issued a final Administrative Decision on May 28, 2003 for the above referenced application. On June 17, 2003 we received a letter from you regarding an amendment to the proposed landscape plan and a Letter Amendment was approved on June 20, 2003.

On October 2, 2003 we received a letter requesting minor changes to several aspects of the Drano Lake Improvement including:

1. Deletion of the break wall and using a dock breakwater for better function, wildlife habitat, and aesthetics.
2. Increasing the restroom facility from 17' X 13' to 21' X 13' to include housing for the solar pump system, plumbing and electrical components.
3. An additional 3500 cubic yards of fill which will not change the footprint (See attached letter from Assistant County Engineer, Tod LeFevre).
4. Porous Concrete for the actual parking spaces.

This amendment will require a change to Condition of Approval #2 of the Administrative Decision and associated Letter Amendment, which states:

- 2) All developments shall be consistent with the enclosed site and landscape plan, unless modified by the following conditions of approval. If modified, the site and landscape plan shall be consistent with the conditions of approval.

The Condition of Approval shall be amended to read:

- 2) All developments shall be consistent with the enclosed "Overall Site Plan", Landscape, and Island Vegetation Elevation Plans, unless modified by the conditions of approval. If modified, the Overall Site, Landscape, and Island Vegetation Elevation Plans plan shall be consistent with the conditions of approval.

Additionally, the applicant shall be responsible to contact other permitting agencies regarding any necessary amendments to associated conditions regarding quantity of permitted fill material.

Pursuant to SCC §22.06.080(B), a change or alteration to an approved action, if determined to be minor by the Director, may be "deemed consistent with the provisions of this Title and the findings and conclusions on the original application." The proposed request constitutes a minor change; therefore, the original decision shall be amended to include the Island Vegetation Elevation Plan.

All of the original conditions in the Administrative Decision are still valid and shall be complied with. As a reminder, this letter amendment needs to be recorded at the County Auditor's office. If you have any questions, please give me a call at 509-427-9458.

Sincerely,

Patrick Johnson
Patrick Johnson
Associate Planner

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APPEALS

This Administrative Decision shall be final unless reversed or modified on appeal. A written Notice of Appeal may be filed by an interested person within 20 days from the date hereof. Appeal may be made to the Skamania County Board of Adjustment, P.O. Box 790, Stevenson, WA 98648. Notice of Appeal forms are available at the Department Office.

WARNING

On November 30, 1998 the Columbia River Gorge Commission overturned a Skamania County Director's Decision 18 months after the 20-day appeal period had expired. You are hereby warned that you are proceeding at your own risk and Skamania County will not be liable for any damages you incur in reliance upon your Director's Decision or any amendments thereto.

Cc: Skamania County Health Department
Skamania County Building Department
Skamania County Assessor's Office
Skamania County Public Works
Board of County Commissioners
Yakima Indian Nation
Confederated Tribes of the Umatilla Indian Reservation
Confederated Tribes of the Warm Springs
Nez Perce Tribe
Columbia River Gorge Commission
U.S. Forest Service - NSA Office
Friends of the Columbia Gorge
United States Department of Agriculture
U.S. Army Corps of Engineers
U.S. Fish & Wildlife
National Marine Fisheries Service
Washington State Department of Fish and Wildlife
Washington State Department of Ecology
Washington State Department of Transportation
Department of Natural Resources - Aquatic Resources Section and Department of Natural Heritage
Washington State Department of Community Development
Oregon Fish & Wildlife Service
City of Aberdeen Parks Department
Kpff Consulting Engineers
Green Works P.C.

Enclosed: Letter titled "Drano Lake Design Changes" dated October 2, 2003 from Tod LeFevre
Letter titled "Drano Lake Ramp Improvements - Breakwater Modifications" dated July 30, 2003 from Andrew Jansky
Boat Ramp Plan and Profile
Vault Toilet Details
Overall Site Plan

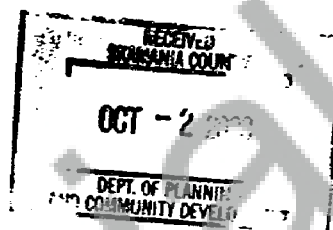


**Skamania County
Department of Public Works
Engineer's Office**

Skamania County Courthouse Annex
Post Office Box 790
Stevenson, Washington 98648
(509) 427-9448 FAX: (509) 427-4839

10/02/2003

Skamania County Planning Department
P.O. Box 790
Stevenson WA 98648



RE: Drano Lake Design Changes

Dear Patrick:

This is an informational letter to update you on the Drano lake Project. During the final design phase, a few modifications have been made from the permitted design. This letter will concentrate on the items of interest to the WDFW as addressed on the Drano Lake HPA.

We have previously discussed the Construction timing issues and have determined a workable in-water permit timeframe to allow the contractor to complete the project in one calendar year. Thank you once again for working with us the timing problem.

After design review for both function, wildlife habitat and aesthetics, we decided to go with an additional boarding float as the breakwater. The design considerations are noted in the attached letter from Andy Jansky, KPFF Consulting Engineers, to myself. I believe that you will agree with our reasoning to make this design change.

Another design change involved the Vault Restroom building. The permitted specifications called for a 17'x13' building. It was determined that an additional room was necessary within the building to house the solar pump system plumbing and electrical components. To allow for this addition space, the designed building footprint was increased to 21'x13'. During the construction phase of the project, the contractor will submit plans, elevations and color schemes for approval.

A set of plans will be sent to you for informational use only soon. You might notice an increase in volume of the fill material from the numbers stated in the permitting documents. This increase is due to a few factors of the construction process. It is estimated that there will be a 2' settlement of the underlying material during the filling process from the additional weight. This added another 3500 cubic yards of in-place material to the permitted quantities. Also, the bid pay item for the embankment fill is for loose stockpile material that adds another 27% of volume for swell. These adjustments do

not increase the area of the permitted site plan. The actual in-place volume increase to Drano Lake remains approximately 17,500 CY of material as permitted.

Another minor plan change included using Porous Concrete for the actual vehicle parking spaces. The original plan called for the entire parking space as a pervious surfacing. After analysis of local sites, it was determined to use Porous Concrete for its high infiltration rate qualities only under the vehicle itself. Using Porous Concrete in only half the length of the parking space infiltrates more water than the entire space using a paving block method. We are excited about using Porous Concrete; our research has shown it to be a very reliable and effective infiltration method. All drainage off the site is designed to be infiltrated, so no stormwater runoff will go directly into Drano Lake.

Thanks again for all you help with the Drano Lake project. We look forward to a completed facility by the fall of 2004.

Thanks,



Tod LeFevre, P.E.
Assistant County Engineer
lefevre@co.skamania.wa.us

Attached: Letter from KPFF describing breakwater modifications.
Plan of ramp and boarding float area
Plan of Vault Restroom Facility
Plan of parking area showing porous concrete sections.



July 30, 2003

Tod LeFevre
Skamania County Public Works
P.O. Box 790
Stevenson, Washington 98648

RE: Drano Lake Ramp Improvements - Breakwater Modifications

Dear Tod:

This letter is to confirm our discussion regarding modifications to the breakwater strategy at Drano Lake. I would also like to provide additional supporting background for the decision.

During the Master Planning process the user group requested a breakwater or rip-rap groin to stop west wind waves from hitting the ramp, which makes boat launching and retrieval difficult. During this process the rip-rap groin option was eliminated due to permitting concerns. A steel sheet pile wall was discussed with the agency representatives at the time, and was ultimately integrated into the master plan.

Through the final permitting process, new agency review staff raised concerns with fish passage around the wall. They suggested the wall be held off the bottom and perforated to allow passage. While this is possible, it can impact breakwater effectiveness, durability and costs. For maximum effectiveness the sheet pile wall also needed to be extended based on the minor ramp alignment modifications. This added length would result in a significantly deeper wall.

After exploring other options, such as a floating log breakwater and evaluating design options we have determined that a dock breakwater would provide the level of wave attenuation necessary to address user concerns. This dock would be similar in design and length to the center floats and would be placed along the same alignment as the sheet pile wall identified in the master plan.

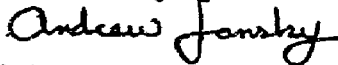
This option has several benefits. First, the dock breakwater would allow easier fish passage along the shoreline and minimize underwater vertical structure, which is commonly believed to be predatory fish habitat. Secondly, the dock has a much lower profile than a sheet pile wall. Thus the dock is the more visually subordinate option.

Mr. Tod LaFevre, Skamania County Public Works
RE: Drano Lake Ramp Improvements - Breakwater Modifications
July 31, 2003
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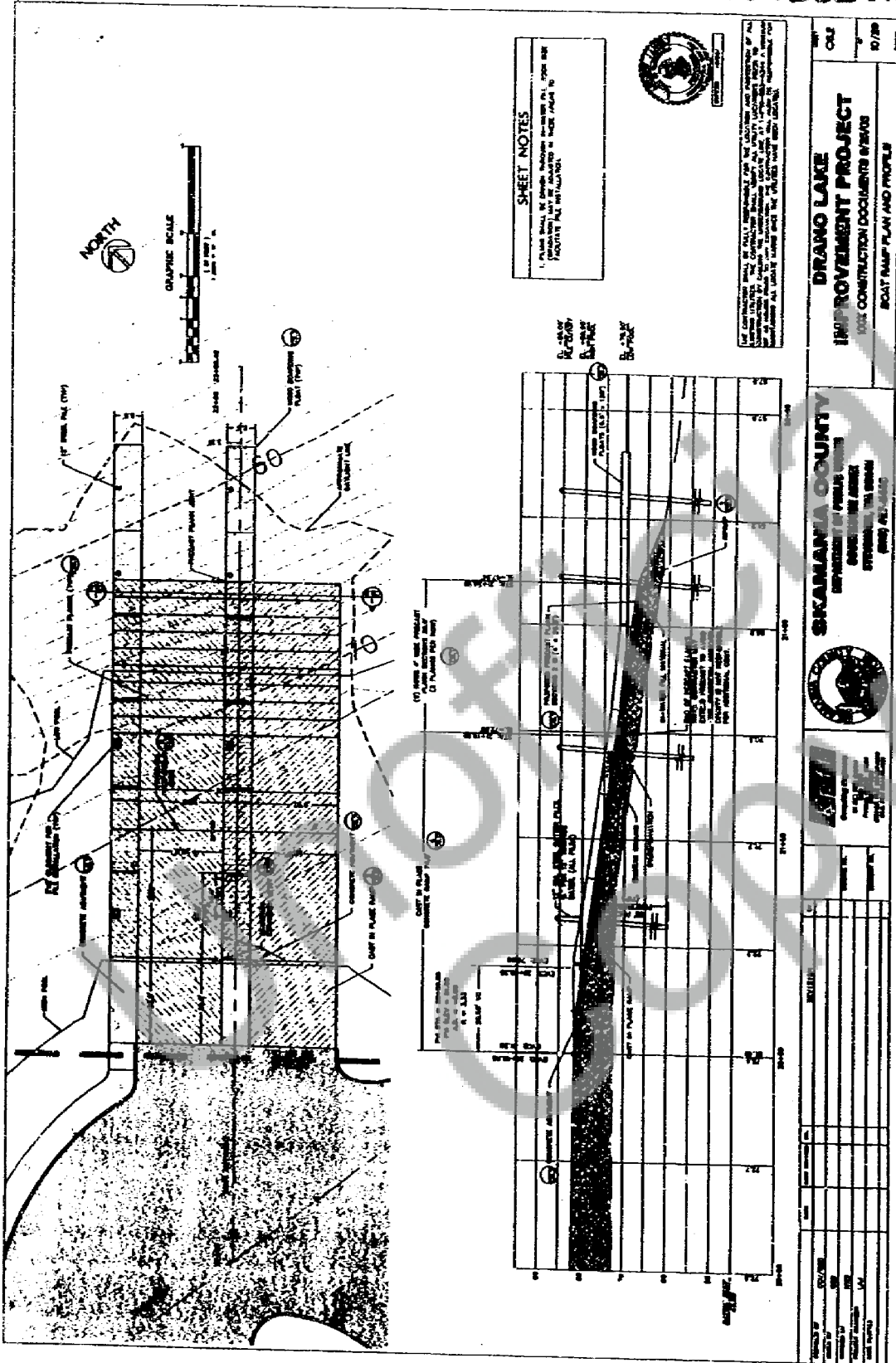
We also want to reiterate earlier comments that the current design will be subject to east wind generated waves. The user groups recommend a ramp at each end of the facility which they could use depending on the wind direction; however this option was abandoned due to permit issues. Fortunately the east winds typical for the fall and winter are during the low use times. Providing wave protection structures for this condition is neither affordable nor likely permissible.

After review of this information please contact me if you have additional questions or need additional information.

Sincerely,
KPFF Consulting Engineers



Andrew Jensky, P.E.
Associate



SHEET NOTES

1. PLAN SHALL BE CONSIDERED AS THE BASIS FOR THE CONSTRUCTION OF THE BRIDGE. THE PROFILE SHALL BE CONSIDERED AS THE BASIS FOR THE DESIGN OF THE BRIDGE. THE DESIGN SHALL BE THE RESPONSIBILITY OF THE ENGINEER.



THE ENGINEER HAS REVIEWED THE PROJECT AND HAS FOUND IT TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. THE ENGINEER HAS NOT REVIEWED THE PROJECT FOR THE PURPOSES OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. THE ENGINEER HAS NOT REVIEWED THE PROJECT FOR THE PURPOSES OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION.

SKAMANA COUNTY		DRANO LAKE	
IMPROVEMENT PROJECT		BOAT RAMP PLAN AND PROFILE	
DATE: 12/31/2023		DATE: 12/31/2023	
PROJECT NO. 12345		PROJECT NO. 12345	
SHEET NO. 198		SHEET NO. 198	
DRAWN BY: J. D. SMITH		DRAWN BY: J. D. SMITH	
CHECKED BY: J. D. SMITH		CHECKED BY: J. D. SMITH	
APPROVED BY: J. D. SMITH		APPROVED BY: J. D. SMITH	
DATE: 12/31/2023		DATE: 12/31/2023	

