

A scenic view of a lake with a dock and forested hills under a cloudy sky. The water is calm, reflecting the sky and the surrounding landscape. The dock is made of wooden planks and has several small structures on it. The hills are covered in dense green trees. The sky is blue with many white clouds.

Hide-A-Way Hills Club LOFS Informational Meeting

January 24, 2016

Management Committee

- Jim Krygier (Chair)
 - Paul Heimberger
 - Chas Cross
 - Jim Sigafoose
 - Jim McNabb
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- Each member serves a 3 year term
 - Public Meetings – 2nd & 4th Tuesdays @ 7PM

LOFS DAM FACTS

- Earthen Dam
- 1,100 Linear Feet Long
- 48.5 Feet in Height
- Principal Spillway – Gate Valve
- Normal Pool is 815.6 feet above Sea Level
- Dam Crest is 823 feet above Sea Level
- Upstream (Lake) Slope is 3:1
- Downstream (Security) Slope is 5:1

LOFS Dam History

- 1965 - Construction
- 1966 - Dam Erosion Remediation
- 1993 - Dam Maintenance Projects: Install Rip Rap, Repair Outlet Basin, Re-seal Emergency Spillway
- 2013 - Observe Dam Slippage

2013 LOFS Timeline

- October 2013 – Observe Horizontal Crack (Slip) on LOFS, Notify ODNR
- October 24 – Inspection with 2LMN, ODNR, HAH Staff
- November 2013 – Inject Calcium Bentonite into Slips, Maintain LOFS 5 feet below Normal Pool per ODNR Directive
- December 2013 – 2LMN Diagnostic Trench

2014 LOFS Timeline – 1

- January 2014 – Approve Contract Proposal from 2LMN to Analyze Diagnostic Trench
- February 2014 - Approve Contract with 2LMN w/ DLZ as Subcontractor for Amount of \$43,562 for 5 Test Borings and Remediation Analysis
- Maintain LOFS at 810 ASL feet below Normal Pool (Elevation 815 feet above Sea Level)

2014 LOFS Timeline - 2

- March 1-4 – 5 Borings performed by DLZ – Depth 30-40 feet
- March 18 – Trenches (2LMN) Excavated and Analyzed
- April 11 – Received Preliminary Report from DLZ indicating Concern with Global Stability
- April 29 – Receive 2LMN Proposal for Hydraulic & Hydrologic report \$9,600; Inundation Analysis \$4,200 – Both Required by ODNR
- May 23 – Authorize Sonar Survey LOFS Dam – Canter Surveying \$2,500

2014 LOFS Timeline - 3

- May 8 – Receive Request Letter from ODNR requiring Dam Monitoring
- July 1 – Dam Inspection by Terracon (new geotech consultant)
- July 3 – ODNR Project Deadlines letter
- August 1 - Receive Joint 2LMN and Terracon (as subcontractor) Proposal - \$106,700; Board Approves Contract

2014 LOFS Timeline – 4

- August 12 – Test Borings Resume; Install Inclinometers
- October – Submit Concept Plan to ODNR
- November- Receive ODNR Concept Plan Review & Questions
- December – Request Recover Lake Level

2015 LOFS TIMELINE

- January – Submit Response to ODNR Review; Lake Level Request Denied
- February – ODNR Approves Remediation Concept
- March - Additional Borings Completed; Piezometers Installed; Clay Borrow Analysis Done
- April – 2nd Request LOFS Normal Lake Level
- May – Request Denied; 2LMN modifies Inundation Map for H&H study; Submit Dam Reclassification Request

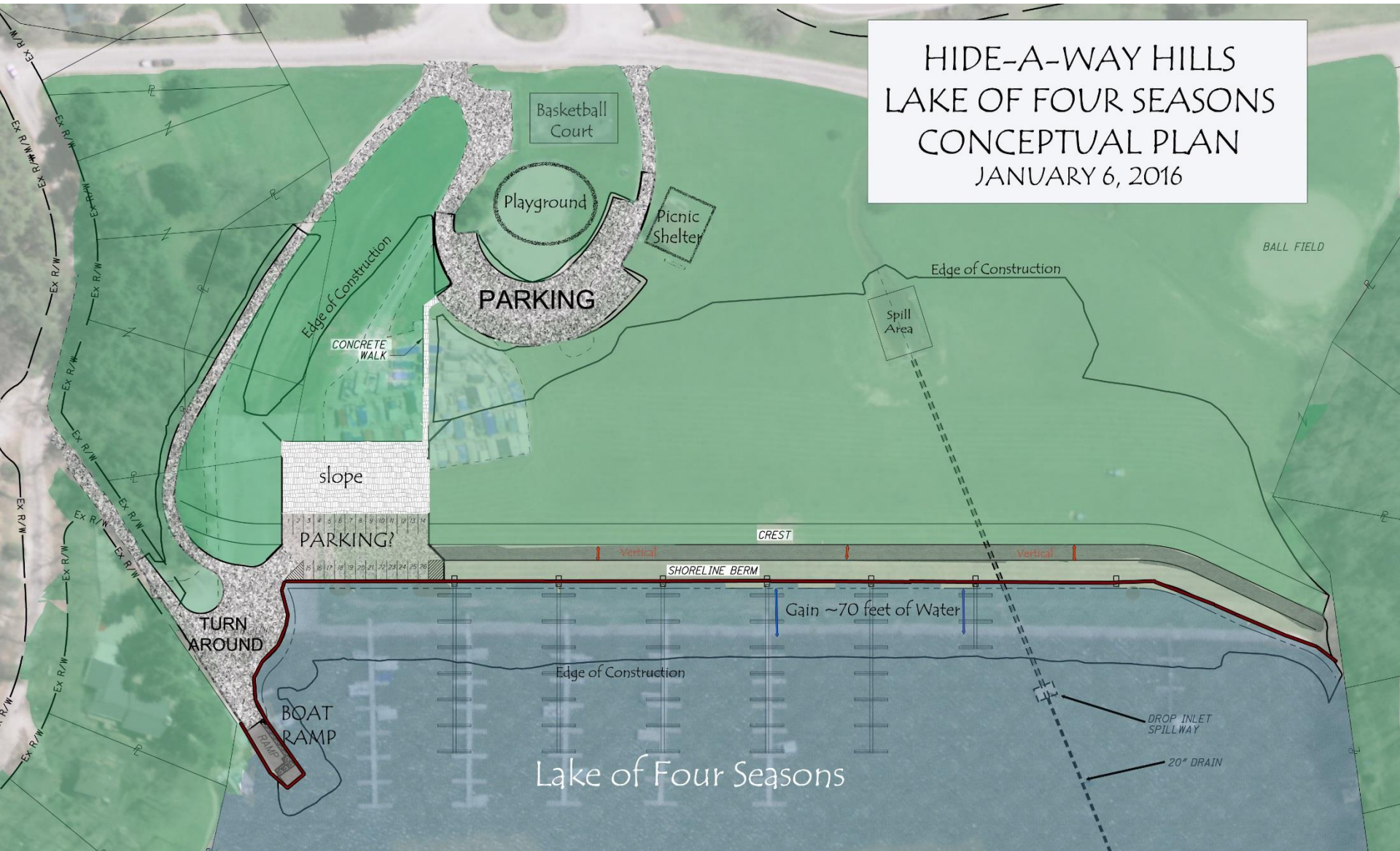
2015 LOFS Timeline - 2

- June – Authorize 2LMN Contract for Army Corps Wetlands Permit - \$9,295
- September 15 – Submit Detailed Dam Design with Geotechnical Analysis to ODNR
- October 15 -Receive ODNR Response
- Authorize Additional Engineering \$37,500
- December 22 - Submit Response to ODNR

NEW LOFS Facts

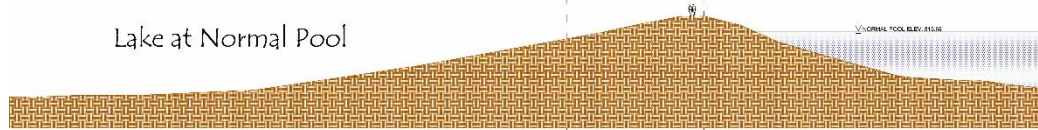
- Crest Raised 1 Foot (823 to 824 ASL)
- Crest Moved South Approx 70 feet
- Expanded Boat Launch & Turnaround
- Lakeside Slope – Level “Bench” Area
- Downstream Slope – Steeper
- Parking Lot Moved

HIDE-A-WAY HILLS LAKE OF FOUR SEASONS CONCEPTUAL PLAN JANUARY 6, 2016

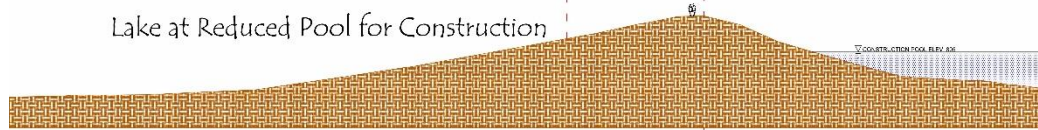


LOFS Dam - Conceptual Drawing of Construction Phases

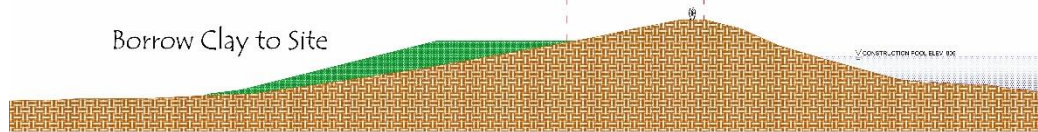
Lake at Normal Pool



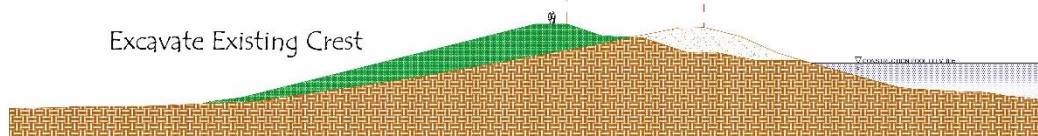
Lake at Reduced Pool for Construction



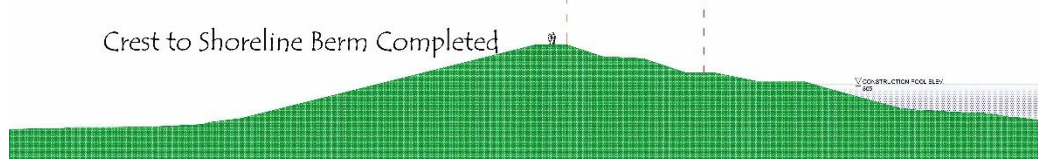
Borrow Clay to Site



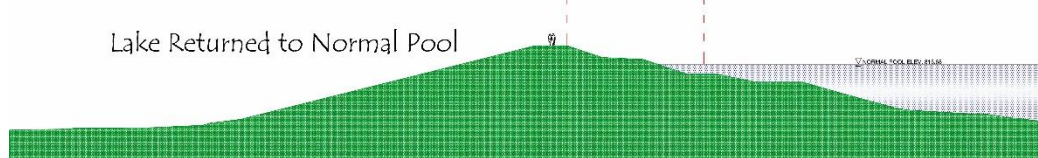
Excavate Existing Crest



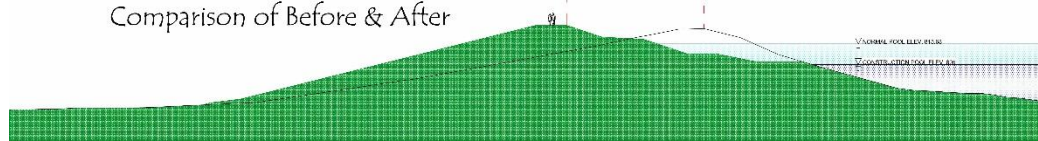
Crest to Shoreline Berm Completed



Lake Returned to Normal Pool



Comparison of Before & After



2016 TASKS

- Finalize ODNR Approval
- Solicit Bids & Select Contractor
- Recommend Finance Plan
- Member Review and Approval
- Construction Begins ASAP – Weather Dependent