

FLPOA Board of Directors Report
Spillway Project Update
By Dan LeFevre
November 5, 2022

While we do not have a permit to begin construction, we have made meaningful progress in quantifying the remaining design questions. On Thursday, November 3rd, the BOD authorized FLPOA to engage Spicer Group out of Saginaw to serve as our owner's representative. The parties involved in the project include:

- **Lapham Associates:** Professional engineering firm out of West Branch and design engineer of record;
- **Fisher Contracting:** General contractor out of Midland;
- **Michigan Department of Environment Great Lakes and Energy (EGLE) – Water Resources Division – Dam Safety Unit (DSU):** State agency responsible for the public safety associated with our dam and spillway system that withhold approximately 2,600 acre-feet of water volume;
- **United States Department of Agriculture (USDA) – Natural Resources Conservation Service (NRCS):** Federal agency tasked to help people reduce soil erosion, enhance water supplies, improve water quality, increase wildlife habitat, and reduce damage caused by floods and other natural disasters. USDA-NRCS has awarded grant funding to FLPOA of 75% of our construction costs and 100% of our engineering costs;
- **Spicer Group (Spicer):** Professional engineering firm based in Saginaw and new FLPOA owner's representative;
- **GEI Consultants:** Professional engineering firm based in Boston, MA with 46 offices nationally, and a subcontractor of Spicer tasked with an engineering peer review
- **FLPOA:** Dan LeFevre, as a Board President, and Dennis Monsere, retired FLPOA Board President and designated FLPOA Project Manager (volunteer), with Dan LeFevre reporting to the FLPOA BOD.

As noted above, the team tasked with the responsibility of this project now involves a substantial number of parties, with each organization dedicating many people to reach a safe design conclusion and restore our lake. Dan LeFevre and Vito Manzella have been designated by the FLPOA BOD to communicate with members on the current project status. Members are encouraged to contact Dan or Vito with questions as they generally have the most up to date information.

The BOD has engaged the Spicer/GEI team to assist in a review of the current spillway design, which is illustrated with preliminary design examples on the following pages. The focus of recent questions has been the projected performance of the spillway during low water flow periods. The Spicer/GEI team will be studying the design and likely creating a computer simulation to demonstrate performance during high water and low water flow conditions. The goal remains to begin demolition of the spillway remnants and complete site balancing and grading work in the tailwater area prior to year-end, and to complete construction of the new spillway in late spring 2023. The portion of the existing spillway upstream of the waterfall will remain in place until new construction begins. All parties of the group referenced above recognize the timing challenge. Fisher Contracting has a large backlog of work scheduled to begin next summer, and we are making every effort to position them to complete our project before their other commitments begin. All parties have demonstrated a sense of urgency.



EXAMPLE OF A TYPE III STILLING BASIN

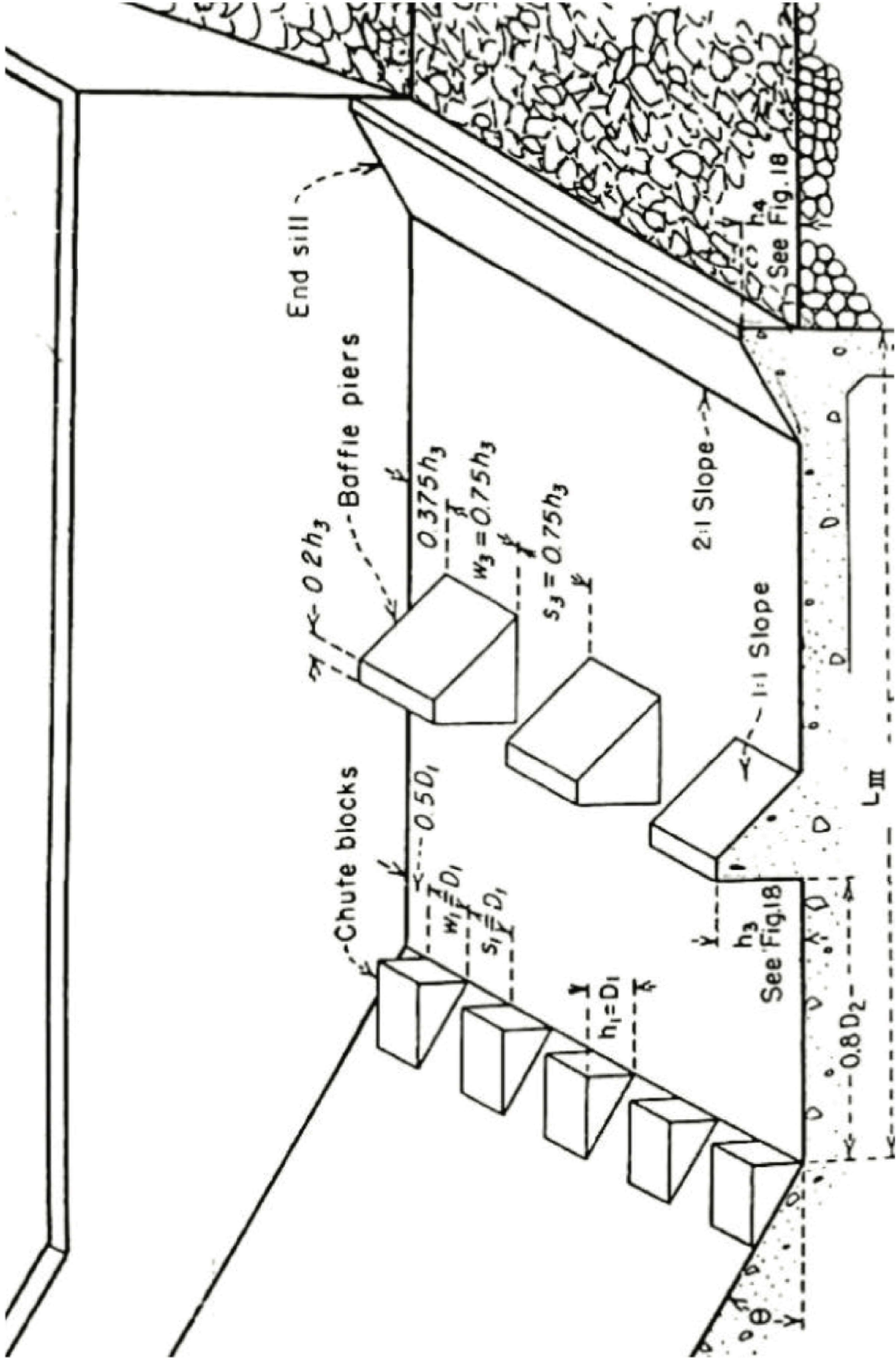


FIGURE 3. The USBR Type III Stilling Basin.