

Narrative - Revised Sediment Removal Methods / Sloper Pond

Application by Southington-Cheshire Community YMCA's

Application IW #1289

Located at 1000 East Street, Southington

April 30, 2021

The applicate is requesting a modification of its proposed sediment removal plan for Sloper Pond. The original 2012 application had proposed mechanical removal of the accumulated sediment of the pond. This process required the construction of a temporary diversion channel along the north shore of the pond. The pond would be completely dewatered by using pumps to permit mechanical equipment to remove accumulated sediments to the proposed grades show of the approved plans. Sediments would be trucked and dumped on designated de-watering area. Upon draining, the dried sediment would then be trucked from the site to an approved fill area. The time frame to complete the project was limited to one year before the pond would be refilled with water

The plan received all local, state, and federal approval. Bidding for the project exceeded the available funding. The project was rebid, with a reduced volume of sediment to be removed. Again, the cost exceeded the budgeted funds.

It is hoped that this revised method will fall closer in line to the funding available. This new application proposes the removal of accumulated sediment by using a hydraulic suction dredging. In this method, suction pumps are mounted on small barges with suction pipes being extended to the bottom of the pond. The pumped sediments are piped directly into large, sediment bags located at designated de-watering areas. Once dry, the sediments are then removed from the site. The method allows the pond to stay filled and eliminates the requirement for a diversion channel. The time frame to complete the project will be extended up to three years, as the schedule is based on the use of the camp and weather.

This method will be more environmentally friendly, as aquatic plants and fish will not be fully removed as with mechanical sediment removal. In addition, the entire pond bottom will not be exposed, eliminating dust from being generated by the mechanical equipment working in the pond area.