



## Internal Memo

February 20, 2020

TO: Mark C. Meyers, City Administrator

FROM: Gerald A. Bartoszek, Public Works Director 

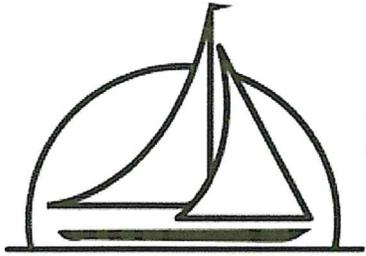
SUBJECT: Mona Lake Channel Improvement – Cost Share Request

The Mona Lake Improvement Association (MLIA) has requested the City to participate in the cost of the improvement of the Mona Lake channel up to an amount of \$60,000. A letter of request from the MLIA is attached.

With the water level and erosion that has occurred along Lake Michigan, the dredging of the channel to facilitate recreational boat traffic coupled with the protection of the south channel wall is not an inexpensive project.

This is not the first time that the City has been asked to participate in projects in and along Mona Lake. In the early 2000's, the City had budgeted \$10,000 annually to assist in channel dredging and weed control in Mona Lake (on a 50/50 cost share basis); more recently, we have participated in weed control up to \$3,000 annually. In 2013, the City provided \$17,500 in funds for the placement of riprap at the mouth of the channel. Also in 2013, the Council authorized participation with the Muskegon County Drain Commissioner in an amount of up to \$70,000 for the installation of water level control structures in the dikes at the celery flats along the Scott & Waters Drain. Just last year we contributed \$20,000 for the Mona Lake study. Most recently, the City repaired the north channel wall at a cost of \$71,000.

It is requested that the City consider this request now to complete the channel dredging prior to May 1 due to the fish spawning period of May 1 to June 30. If approved, it would require a mid-year budget adjustment. Having the dredging completed before May will best accommodate the boating season. Therefore, I am requesting that this item be added to the February Work Session agenda to discuss with the Council.



**MONA LAKE**  
**IMPROVEMENT ASSOCIATION**

P.O. Box 4143  
Muskegon, Michigan 49444

February 19, 2020

To:  
Mayor Gary Nelund  
City Administrator Mark Meyers  
City Council

Re: Repair of Storm Damage to the Mona Lake Channel

Dear Ladies and Gentlemen:

As you know, the Mona Lake Channel has suffered severe damage. The estimated sand build-up in the last 100 yards of the channel is greater than the sand we removed from the entire 700 yards of channel when we last dredged. The water is so high that waves are washing over the top of the South Sea Wall which has stood for over forty years.

The Mona Lake Improvement Association is working with Great Lakes Dock and Materials and together we have developed a plan, (see attached). The Sea Wall will be protected by Rip-Rap to an elevation three feet above the Ordinary High-Water Mark. Sand will be removed from the channel and placed on Maranatha's beach which has been depleted from recent storms.

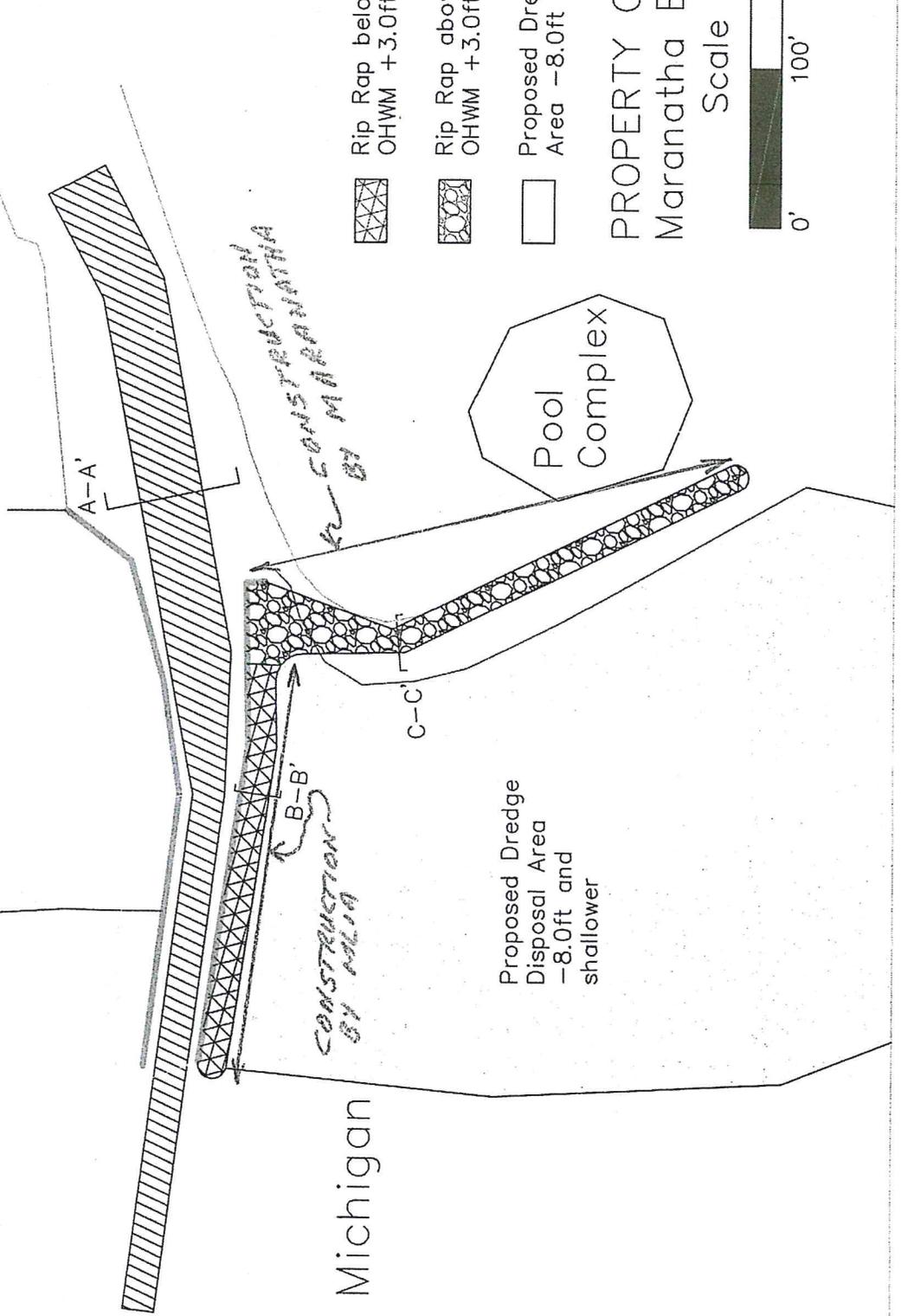
The situation is very fluid but current cost estimates are higher than our bank account. We can commit \$130,000 to this project. Our current cost estimate is as high as \$190,000. We are requesting a commitment from the City of up to \$60,000, if needed.

Sincerely

Thomas P Hillstrom  
President, Mona Lake Improvement Association

PROPERTY OWNERS:  
City of Norton Shores  
Lake Harbor Park

Lake Michigan



Rip Rap below  
OHWM +3.0ft

Rip Rap above  
OHWM +3.0ft

Proposed Dredge Disposal  
Area -8.0ft and shallower

PROPERTY OWNERS:  
Maranatha Bible Conf.

Scale

