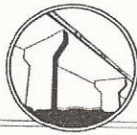


Subject matter of the delegation for council September 21 , 2020

Due to the high water levels of the lake, the harbour breakwalls have been deteriorating, it is apparent that action needs to be taken to repair these breakwalls before they breach. Both the Township and the Boat Club have an interest in getting these breakwalls repaired. The Point Clark Boat Club Inc. executive have been working with Mike Fair to get a plan in place to get erosion control protection for the whole breakwall and berm area, since last fall. We submitted a plan prioritizing areas of concern. BM Ross commented on what needed to be done for the harbour breakwalls. The Township approved a plan to protect the area beside the parking lot and the boat club has been working on permits based on extending that plan to all breakwalls of the harbour. If the breakwalls breach, besides losing our harbour with all its new upgrades, it will adversely affect the parking lot and it will no longer be a sediment pond for the Township drain in the harbour.

The estimate that we have seen is based on the plan the Township is using for the area beside the parking lot of \$1500 a linear meter. Filter cloth, armour stone, rip rap raising the wall 2 feet and out 4 feet. The cost of this project is beyond the financial ability of the Point Clark Boat Club Inc. The ideal situation is that the Township takes on this project and address the harbour breakwalls as a whole. The difficulty getting permits slowed the process and the contractor was no longer available to do the area beside the parking lot, let alone all the breakwalls. We understand the project has been moved to January 2021. This means applying for more permits. There has been considerable damage to the walls throughout the spring and summer. At this time, the walls are degrading much more quickly with each storm that passes. The boat club is trying to move quickly to save that north tip and believe it will not survive the November Gales. We are offering to put our resources \$35,000 to the tip of the north breakwall and possibly 200 feet along the west wall (or as far as our resources will take it,) to make sure the breakwalls do not breach before January. We have a contractor who will do the work before November. We call this our High Water Project. We have brought in large blocks and will be using filter cloth, leveling stone and rip rap to bolster the breakwalls and try to stop the erosion. We have had discussions with B M Ross as to how to do this and have come up with a plan. Mike Fair has been included in this planning. This has been an ongoing process. Anything you do in January would incorporate what we are doing now. We do need to add that any repair to the breakwalls needs to address our need to dredge, possibly yearly. Pictures of the erosion and of the temporary breakwall protection plans are included in this presentation.



BMROSS
engineering better communities

Client: POINT CLARK BOAT CLUB	Done By: DLE	Date: SEPT. 10-2020	File No. 19247
Description: TEMPORARY BREAKWALL PROTECTION	Reviewed By: →	Date: —	Pg. ____ of ____

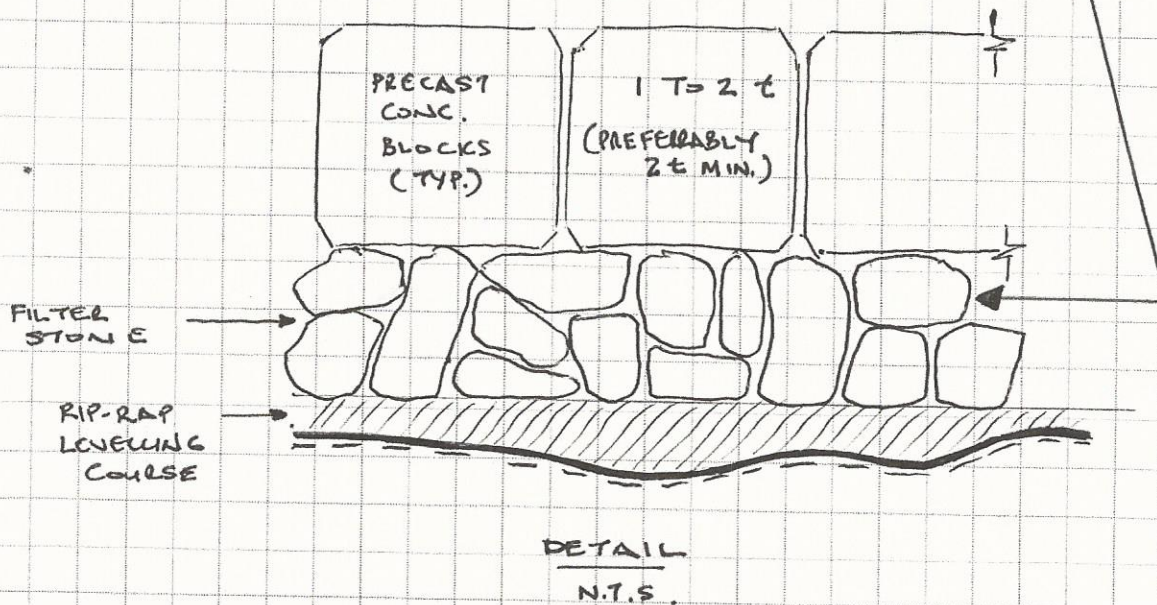
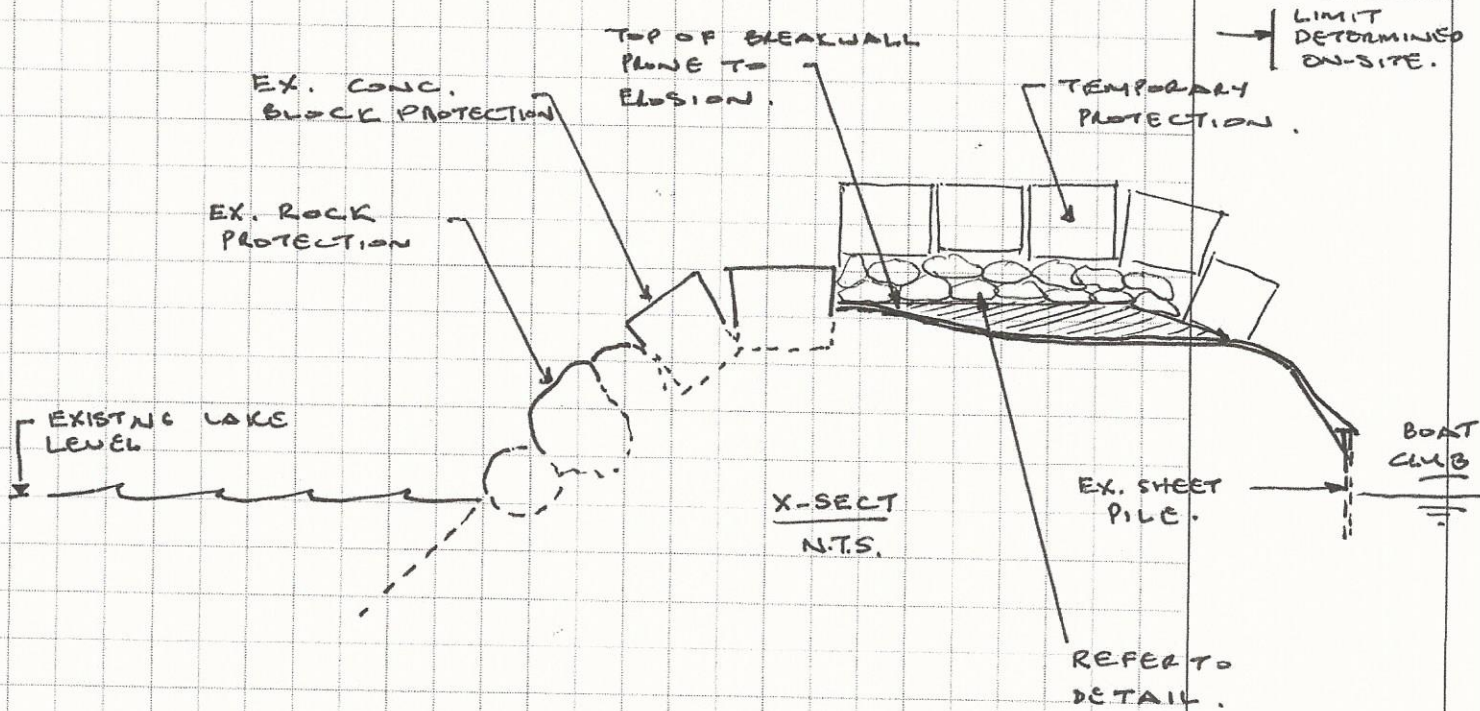
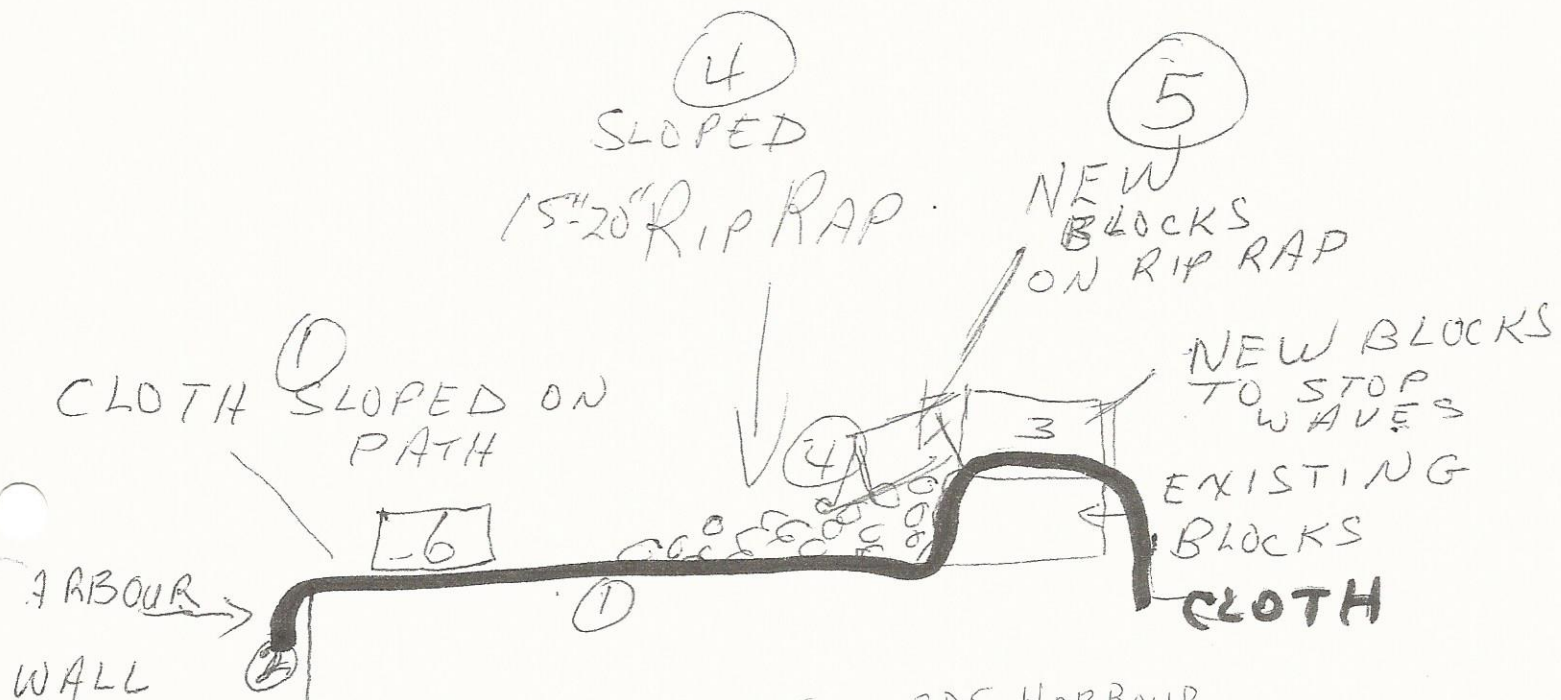


FIGURE
T-1
→

NOTE: SOME SHIFTING AND MOVING OF THE PRECAST BLOCKS IS POSSIBLE. MAINTENANCE WILL BE NECESSARY FOLLOWING LARGE WAVE ACTION EVENTS.

Cross-section of how we are
going to stabilize the walls

POINT CLARK BOAT CLUB INC.



- 1- SLOPED TOWARDS HARBOUR
- 2- LAY DOWN CLOTH
- 3- INSTALL TOP ROW
STOP WAVES AND HOLD CLOTH
- 4- INSTALL RIP RAP

5- INSTALL BLOCKS ON
RIP-RAP AGAINST
TOP ROW OF BLOCKS

(6) MORE BLOCKS OR
STONES TO SECURE
CLOTH

Mike Fair measurements = 423
 northeast
 wall. $\begin{array}{r} 110 \\ 54 \\ \hline 587 \end{array}$

647 ft of original exterior harbour wall south west and north

Lake Huron



Legend

- Rural Community point, labelled
- Ferry
- Provincial Highway
- County Road
- Municipal or Other Road
- OBM Building Location
- OBM Building Footprint
- Building Footprint
- Body of Water
- Evaluated Wetland
- Watercourse
 - Permanent Stream
 - Intermittent Stream
- Wetland
- Body of Water
- Built-up area
- Adjacent Counties
- Lake Huron and Georgian Bay

Notes

0.1 0 0.05 0.1 Kilometers

NAD_1983_UTM_Zone_17N
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THIS MAP IS NOT TO BE USED FOR NAVIGATION