





Council on CW-31-19

LaSalle Park and Marina

Current Wave Break

Legend

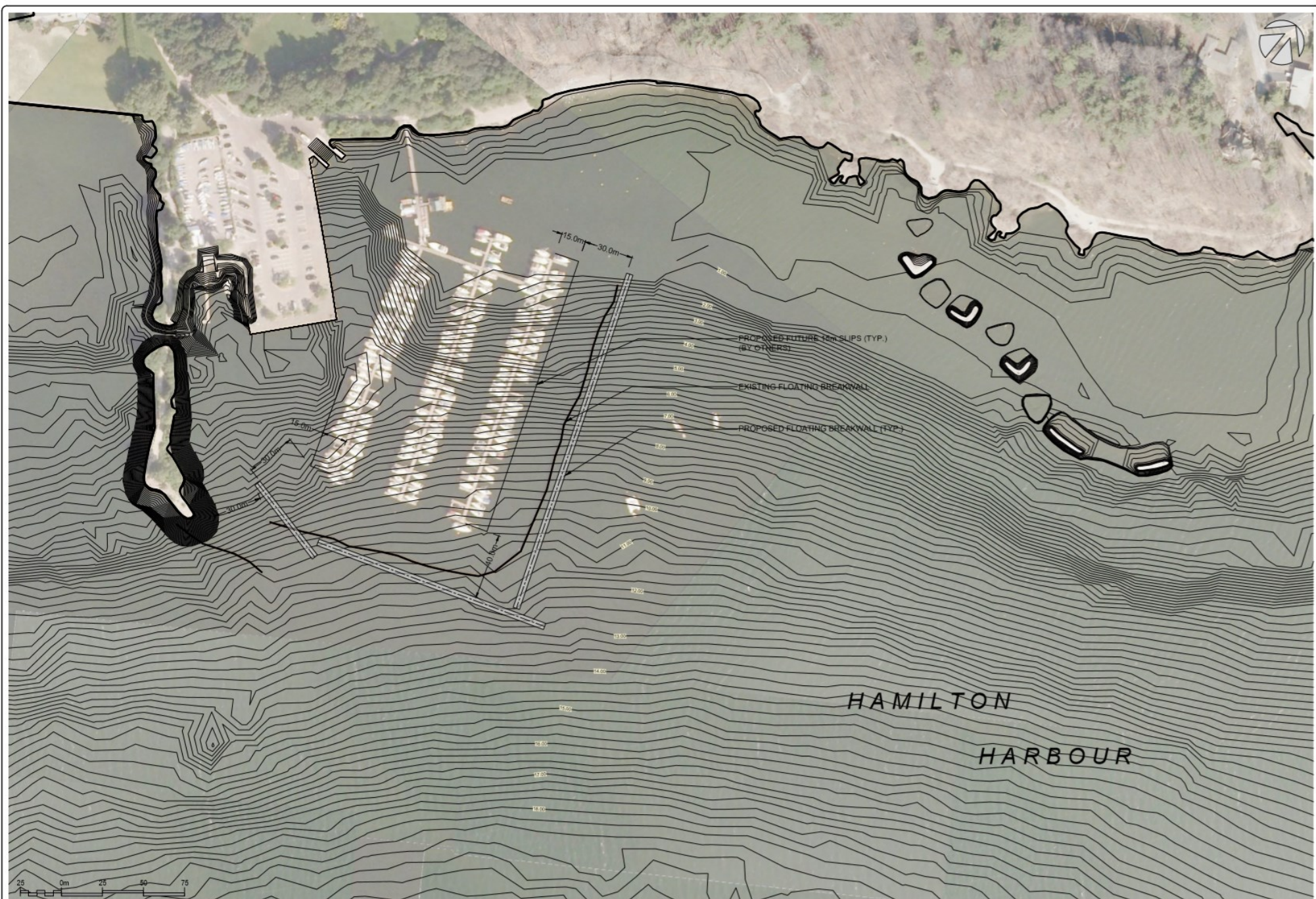
-  Burlington Sailing & Boating Club
-  Geraldo's At Lasalle Park
-  La Salle Park Marina Association
-  LaSalle Park

Google Earth

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300 m





(Definition of “contingency allowance” from the
[Cambridge Business English Dictionary](#) © Cambridge
University Press)

contingency allowance

noun [C] uk us

ACCOUNTING an amount of money that is
added to a calculation of costs to cover things
that are not known about now but that may
have to be paid for in the future:

Designing Buildings Wiki
Share your construction industry knowledge

An example of how a contingency might be reduced during a project is set out below:

At the preliminary business plan stage, total cost estimates might include a 15% contingency.

In the elemental cost plan this might reduce to 10% of fees and construction costs.

On awarding the contract, 5% of the contract value might be included as contingency in the cost plan.

Appendix A — Revised Financial Details

| | | | | |
|--------------------------------------|---------------------------|--|----|------------------------|
| Contract No.: RFP-204-19 | Capital Order No.: PRO150 | | | |
| Report No.: CW-31-19 | Report Date: July 15,2019 | | | |
| | | | | TENDER AWARD |
| CONTRACTED CONSTRUCTION | | | | |
| - Contracted Construction (incl HST) | | | \$ | 3,438,914.31 |
| - Contracted Warranty (incl HST) | | | \$ | 107,350.00 |
| Total Contracted Construction | | | \$ | 3,546,264.31 |
| EXTERNAL COSTS | | | | |
| - Consulting Fees | | | \$ | 131,000.00 |
| - Permits/Fixtures and Equipment | | | \$ | 10,000.00 |
| Total External Costs | | | \$ | 141,000.00 |
| Total Costs | | | | 3,687,264.31 |
| Contingency on Total (5%) | | | \$ | 184,363.22 |
| | | | | 368,726.43 @10% |
| TOTAL PROJECT COSTS | | | \$ | 3,871,627.53 |
| | | | | 4,055,990.74 |
| TOTAL PROJECT FINANCING | | | | |
| City Funding Sources | | | | |
| - Hydro Reserve Fund | | | \$ | 2,000,000.00 |
| - Tax Supported Debt | | | \$ | 2,000,000.00 |
| TOTAL CITY FUNDING (ROUNDED) | | | \$ | 4,000,000.00 |

Excess Funding 128,372.47

Excess funding + Contingency 312,735.69

Original Contingency (20.84%) 665,479.15

Majority of Original Contingency (51%) 339394.4

Conclusion - exceed project budget.

-26658.7



Current Wave Break Loaded with Shellfish(8/1/2016)



Shellfish Attached to Wavebreak



Damage to Wave Break (3/12/2017)

| | | | | | | | |
|---------------------------------|--|--|--|-----------------|-------------------|---------------|--|
| Operating and Maintenance Costs | | | | | | | |
| | | | | | | | |
| Rock Wave Break from EA | | | | 0.5-1.0% | of Capital | | |
| Floating Wave Break From EA | | | | 150,000-200,000 | | for Moving | |
| F-28-16 | | | | 2% | of Capital | Best Practice | |
| Floating Wave Break CW-31-19 | | | | 20,000 | ie .5% of Capital | | |
| Floating Wave Break CM-5-19 | | | | 40,000 | ie 1.0% | | |

Numbers are all over the place and mix actual operating costs with Capital Repair Costs.

1 Fixed and Floating can't both be 0.5% Floating is not as robust as Rock

2 Mixing Capital Replacement costs with Operating Costs.

Think About a House

Annual Operating Cost

Electric Bill

Telephone Bill

Cable

Oil or Gas for Heating

Lawn Service

Snow Removal

Incidentals - Light bulbs

Furnace air filter

Batteries for Smoke Detector

These are known period costs.

Calculate them.

Capital Maintenance

Roof Repair/Replacement

Repave Driveway

Replace Furnace

Replace Water Heater.

Replace water/sewer pipe to grid.

These are expected costs but the timing is unknown.

2% of Capital Best Practice

Grant Thornton First Report

Anecdote about LaSalle Park Spit

Installed in 1995 No Capital Maintenance at time of report.

But flood damaged bridge abutments 2 years ago

And again This year.



Burlington can't afford to ignore the swans.

Recommendation

Defer to September and have all the data.