

Dealing with High Water and Changing Water Conditions
February 15, 2020

Welcome

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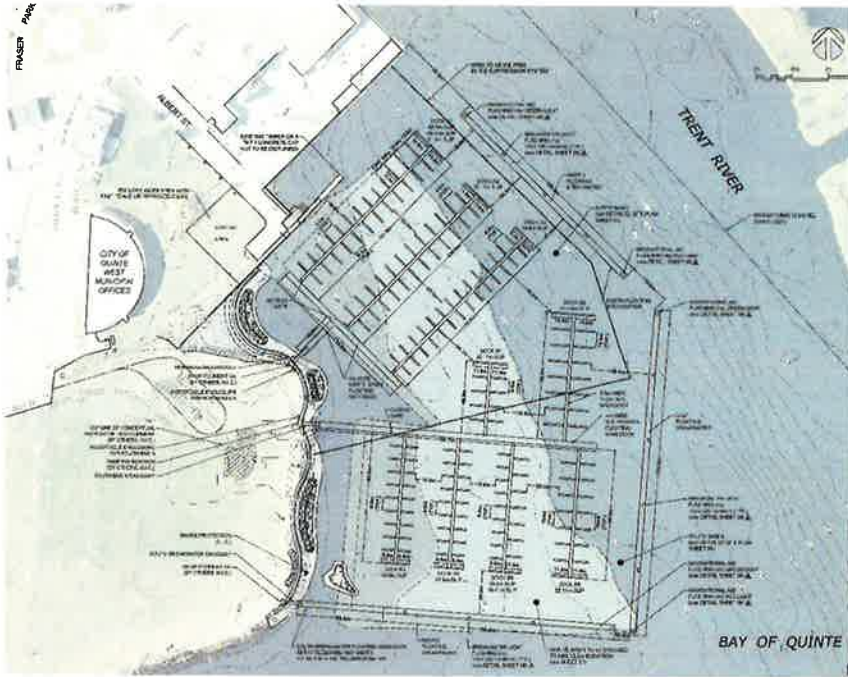
Introduction

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Marina Design – Trent Port Marina

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High Water Levels

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Design and Construction

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- Review existing marina:
 - Water depths, wall condition, floating or fixed dock condition
 - Vessel length, draft, and beam
 - Services: electrical and water supply, storage/haul-out facilities, fuel, pump-out
- Review coastal conditions:
 - water levels, wind, wave conditions, ice conditions
- Prepare design:
 - Shore treatments
 - Dredging
 - Marina layout and performance specifications for docks
 - Electrical service improvements
- Submit approval/review applications
- Prepare tender documents including contract drawings and tender documents
- Provide construction review
- Follow up with permit requirements post construction

Example Project

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2016

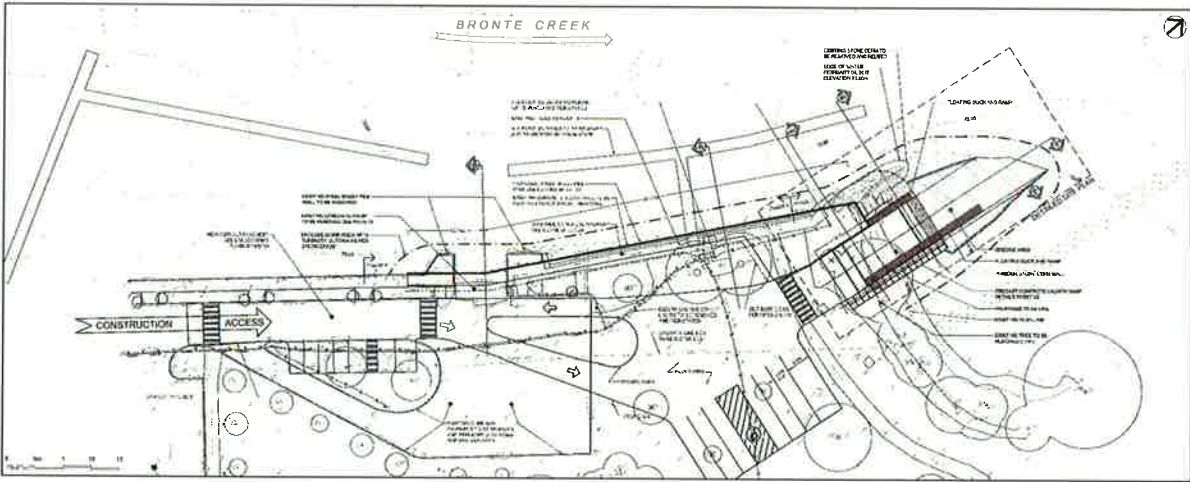


2017



Example Bronte Inner Harbour

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Approvals & Review

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- ❑ **Local Conservation Authority**
 - ❑ Ontario Regulation
- ❑ **Ministry of Natural Resources**
 - ❑ Public Lands Act
- ❑ **Ministry of Environment Conservation and Parks**
 - ❑ Endangered Species Act
- ❑ **Fisheries and Oceans Canada**
 - ❑ Fisheries Act
- ❑ **Transport Canada**
 - ❑ Navigation Protection Act

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Thank you for your time

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