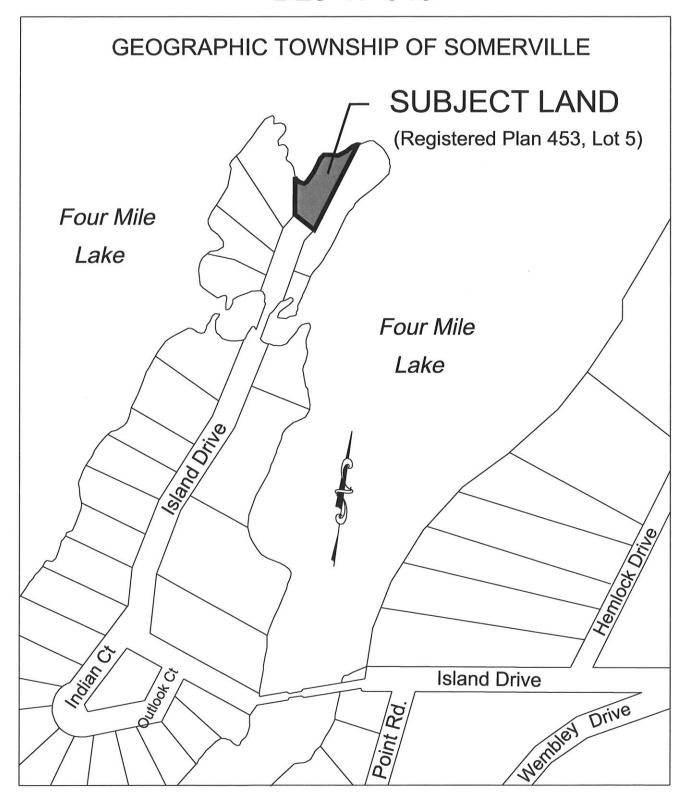
APPENDIX <u>" A "</u>

to

REPORT COA2018-013

FILE NO: <u>D20-17-049</u>

D20-17-049





NORTH

Kilometers

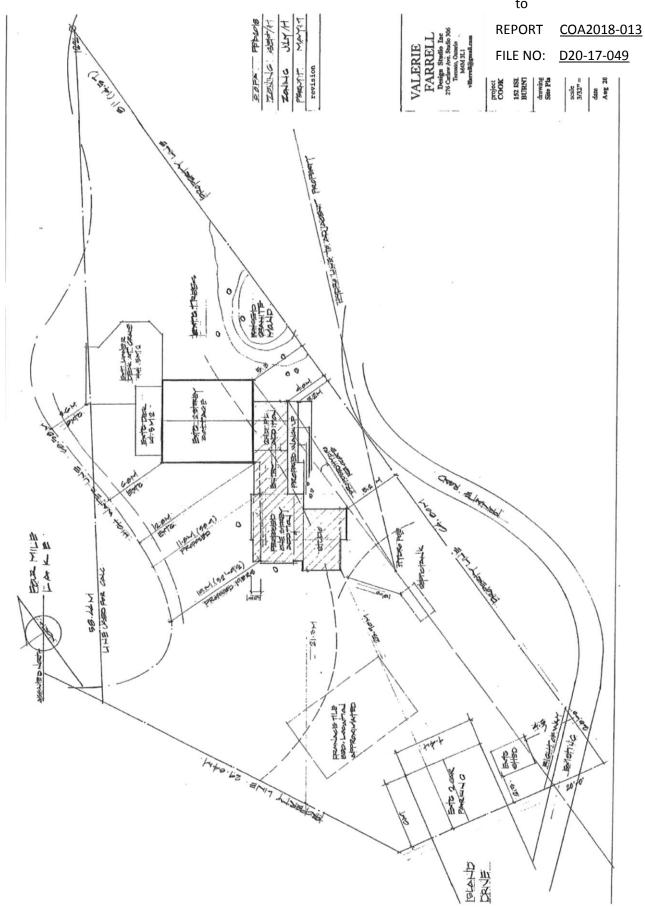
WGS\_1984\_Web\_Mercator\_Auxiliary\_Sphere © City Of Kawartha Lakes

152 Island Drive, geographic Twp Somerville

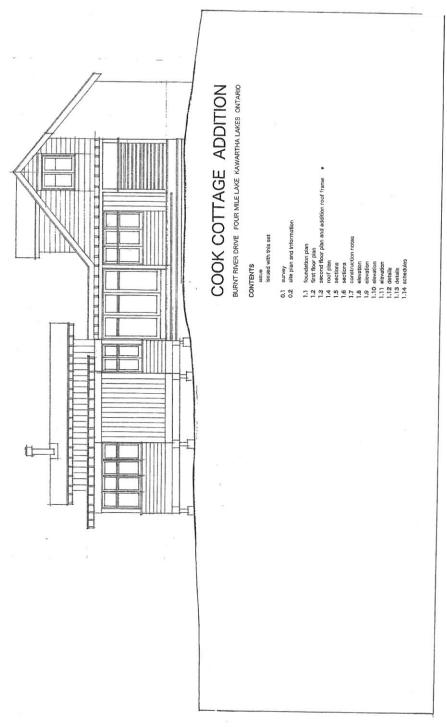
GEOMATICS

KAWARTHA LAKES

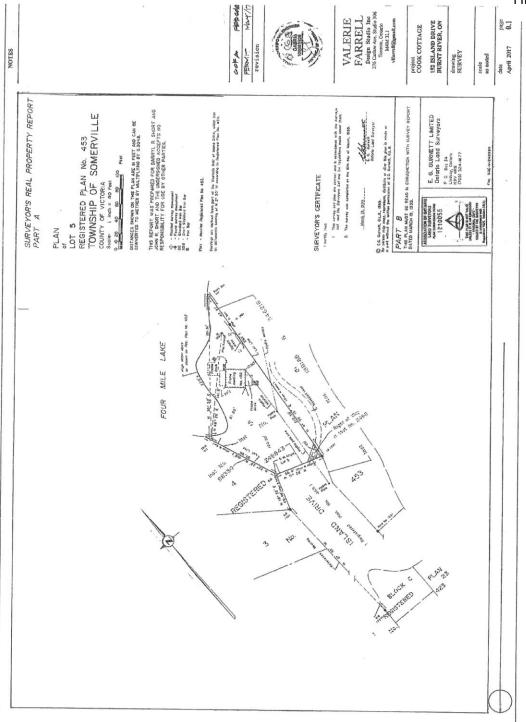
MAPPING



REPORT COA2018-013



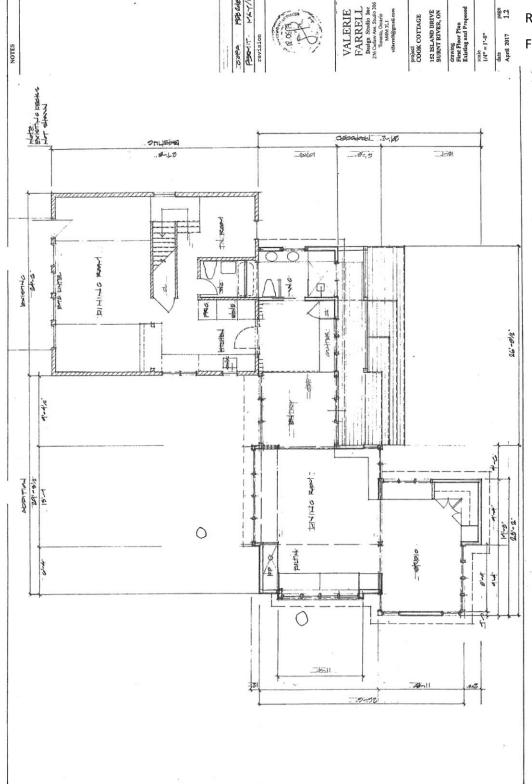
REPORT <u>COA2018-013</u>

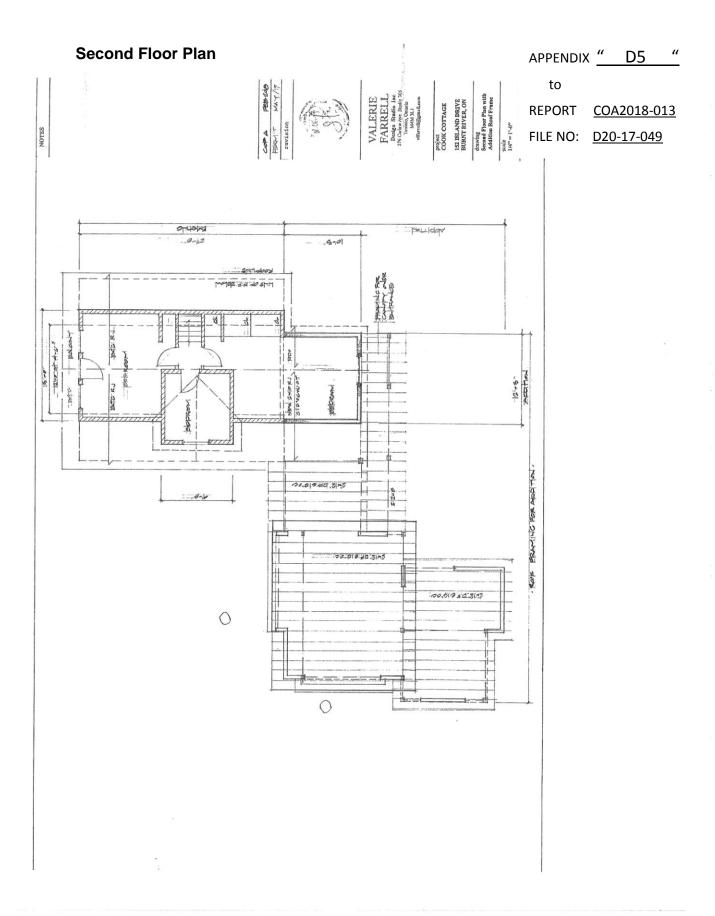


APPENDIX <u>" D3 "</u> to **REPORT** COA2018-013 FILE NO: <u>D20-17-049</u>

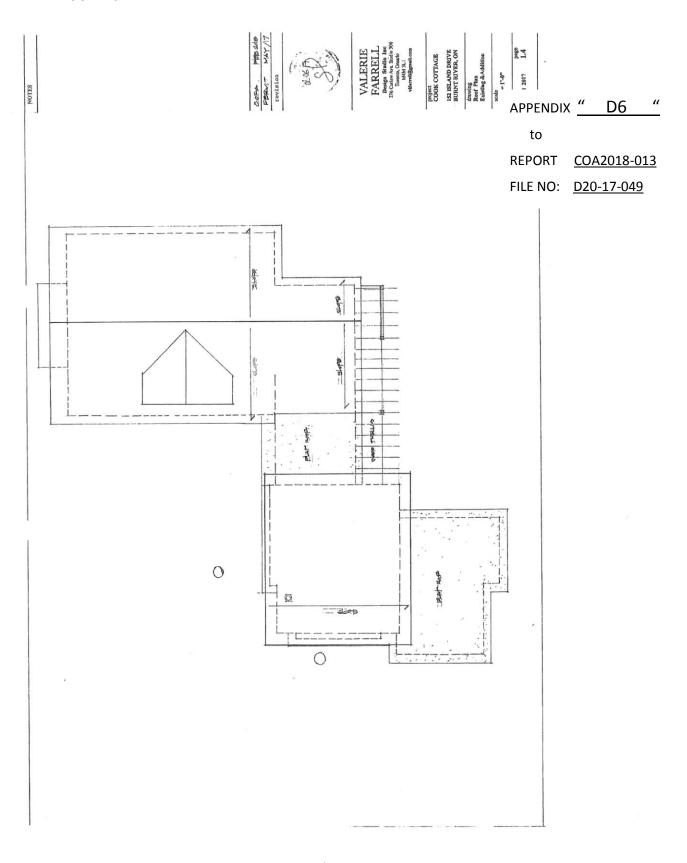
VALERIE FARREL Design Studio Inc. 226 Carlew Ave. Studio 306 Tornic, Charlo MAN 314 viferrell@geneticom project COOK COTTAGE 152 ISLAND DRIVE BURYT RIVER, ON NOTES -1-121 - 4-17 2142:5 00342700 10:0.21:30:42 123 2019/14/16/00 0 1

REPORT COA2018-013





# **Roof Plan**



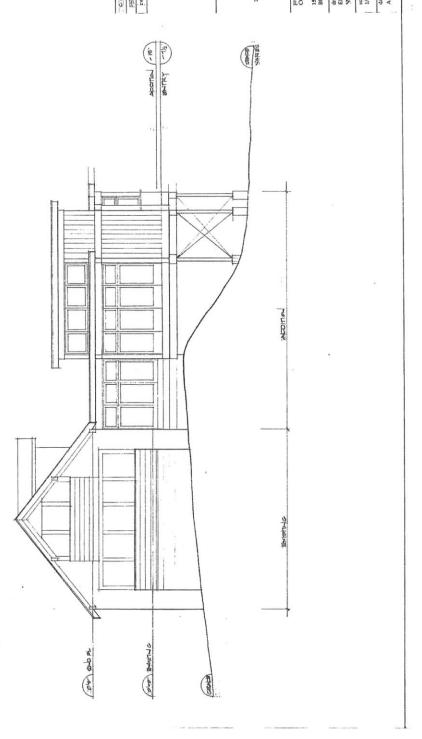
West (Water) Elevation

NOTES

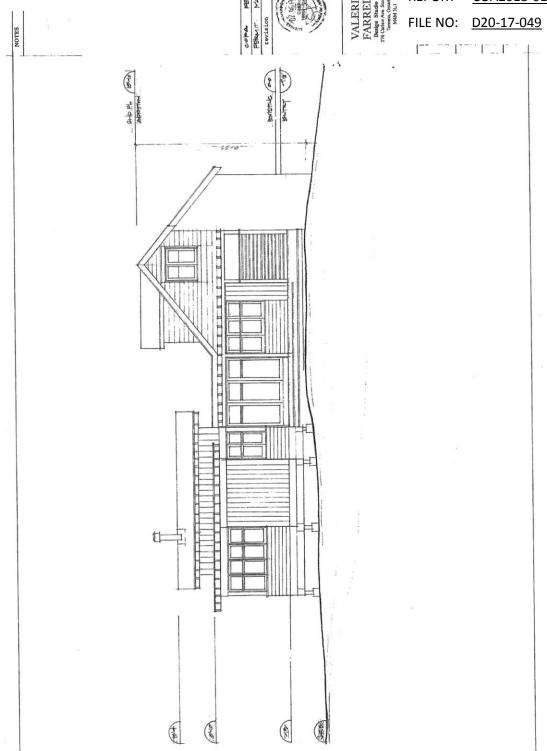
VALERIE
FARREL
Peroviation
VALERIE
FARREL
Poblight Studio lice
276 Cannow And 346
Trenolouri
MAN 341
Warvillightantle con
MAN 341
Warvillightantle con
RELYANTON
STATE
BURNT RIVER, ON
STATE
BURNT RIVER, ON
STATE

to

REPORT COA2018-013



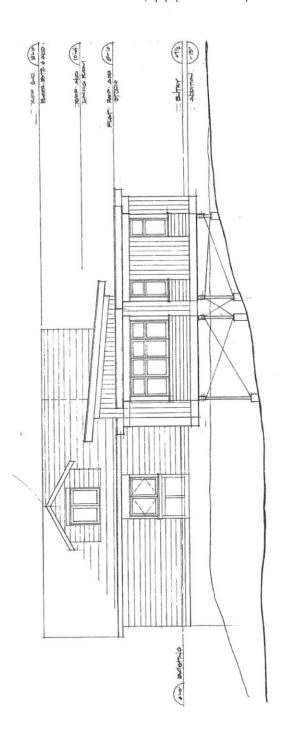
REPORT COA2018-013



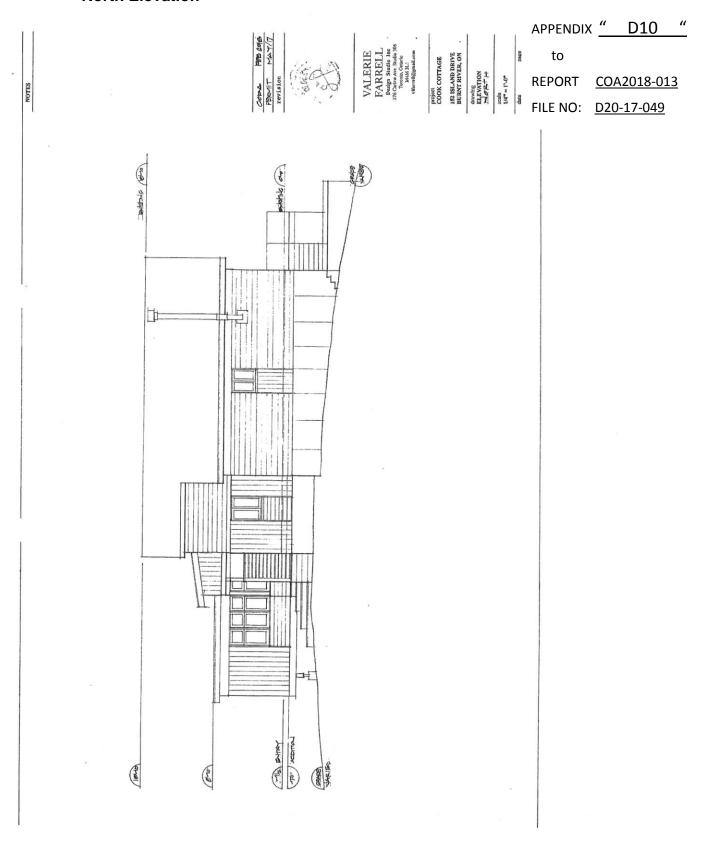


NOTES





# **North Elevation**



Veceiue APPENDIX " E1 "
Febil to

I52 ISLAND DRIVE
Four Mile Lake
Somerville Township
City of Kawartha Lakes, Ontario

REPORT COA2018-013

FILE NO: <u>D20-17-049</u>

Accompanying Notes and Photos for Variance Application

Prepared by Valerie Farrell AOCA M.Arch.

VALERIE FARRELL DESIGN STUDIO INC., TORONTO, ONTARIO

## **INTRODUCTION and REQUESTED VARIANCES**

#### Variances Requested

- 1. Water Setback; to reduce the minimum required water setback from 15 M to 10 M
- 2. Projection into Setback; Increase maximum projection of a cantilevered floor area from .6 M to 1.0 M
- 3. Existing Shed in Front Yard; to permit and maintain an existing shed of 8' x 10' in the existing front yard with a setback of 2.5 M from the front property line whee 7,5 is required

For this application it is important to respectfully acknowledge that waterfront setbacks are difficult requests to consider.

It is understood that the concerns are manyfold and that the following must be taken into consideration,

- The environmental impact and importance of maintaining buffer zone is met;
- Possibility of being precedent setting;
- 3. Maintaining the visual and aesthetic characteristics of the area; and,
- considering the viability of any other available options

The general intent of the by-law must be deemed to remain in effect when granting such a variance.

APPENDIX " E2 "

to

REPORT <u>COA2018-013</u>

FILE NO: <u>D20-17-049</u>

#### **INTENT & OBJECTIVES**

It is the expressed intent of this brief to outline and illustrate the following with respect to the waterline setback request

- No other solution is reasonable or possible as the existing lot is insufficient in size and shape to permit
  any compliant addition to the existing cottage
- · It is a very unique island site therefore cannot be viewed as precedent setting
- · Location of existing services, septic, road and neighbour privacy concerns determine location
- The Environmental concerns are meet by the type of structure and foundation system proposed.
- The existing vegetation and trees on the site are maintained allowing for natural run off.
- · Flooding concerns are eliminated by the type of structure proposed.
- · The character and existing harmony and balance held by the existing cottages are maintained
- · That in the evaluation the Four Tests are meet

Prepared by Valerie Farrell AOCA M.Arch.

VALERIE FARRELL DESIGN STUDIO INC . TORONTO, ONTARIO

## Site description and restrictions

The site is located on Island Drive. A roadway which connects, by two bridges, the two islands located close to the shoreline of Four Mile Lake. See Map It is simultaneously a very beautiful, unique, private and challenging location to build on. Typically the existing cottages are built close to the shore line upon the rockier outcrops that jut into the lake. These outcrops create outer rock shoals and private coves. It is within one of this private coves that this site is located.

It is important to note, that it is unfortunate that some newer cottages although appearing to comply with zoning regulations have removed most of the trees and vegetation on the site. That is not intent of this proposal.

This particular site is the second from the end of the two islands. It is reached by a shared dirt road created only by the passage of vehicles through the well treed centre of the island.

The site is a very narrow rectangular pie shape, with the longest edge along the shoreline. It is tugged into a shallow cove within the island.

The existing cottage is perched close to the water's edge upon the rock face, as are a number of the existing cottage of the island. This is in-part due to the narrowness of the islands and the inner sections being more challenging and to heavily treed to build upon.

The narrowness of the site and the shape of the cove makes it physically impossible to build a new addition to the cottage that is not within the water setback, conflicts with the location of existing septic and power lines or encroaches upon and disrespects the privacy of the neighbours.

See Site Photos Attached in Appendixes

APPENDIX <u>" E3 '</u>

to

The solution proposes an addition to the rear and south west side of the exiting cottage. Linking it by a enclosed entrance way to the existing cottage. The side portion of the addition would be a **one storey** addition located in a small gully, tucked in amongst the trees and built on concrete and steel piers. The floor level is raised significantly above grade here to a level two steps down from the existing cottage. Thereby eliminating any concern for flooding.

REPORT <u>COA2018-013</u>

FILE NO: <u>D20-17-049</u>

The proposal answers to the following concerns:

#### **Environmental Buffer Zone is maintained**

The major trees in the area have been located and the addition designed to be constructed around them.

The structural pier system of the foundation;

retains the naturalness of the site

prevents erosion

**Proposed Solution** 

maintains surface runoff

retains the natural fauna

maintains the natural buffer

Retaining the trees and their root system prevents erosion of the site and allows for below subsurface water retention.

The structural pier system also allows for modifications and adjustments to be made on site to respond to conditions.

Flood plan issues are eliminated and non existent due to the raised first floor

Prepared by Valerie Farrell AOCA M.Arch.

VALERIE FARRELL DESIGN STUDIO INC . TORONTO, ONTARIO

## Visual Buffer Zone is maintained;

Trees and natural vegetation are maintained
The natural shoreline and rock faces and outcrops are maintained
The addition is concealed by the trees
The side addition is one storey

## Character of the existing cottages and shoreline is maintained:

The visual character of the design is that of a grouping of simple box shapes that is consistent with the character and language of older first generation cottages that where tucked in amongst the trees and shorelines.

The exterior material will be wood cladding in a darker tone to blend with the existing cottage. The proposed addition is built on steel piers, a construction similar to a boat house. Which is an acceptable built form within this set back....as per the by

See Cottage Plans Attached

## **Alternative Solutions?**

A number of alternative solutions were considered and determined to be inappropriate for the following reasons.

REPORT COA2018-013

APPENDIX " E4

to

FILE NO: D20-17-049

- 1. Impact on the privacy of the neighbours was too great. The site lines and
- 2. Conflict with the Hydro Lines
- 3. Conflict with the existing septic tank location and assumed location of tile bed
- 4. Too close to the roadway, impacts on the neighbour, privacy and enjoyment of the island
- 5. Require the removal of too many trees and levelling of higher rock formations
- 6. Could not be linked to the existing cottage space and if so would require greater lot coverage.
- 7. Lack of sunlight and views
- 8. Inability to access shoreline with out trespassing on the neighbouring property

Prepared by Valerie Farrell AOCA M.Arch.

VALERIE FARRELL DESIGN STUDIO INC. TORONTO, ONTARIO

## Neighbours Support

The proposal has been discussed with the two adjacent and affected neighbours and they are in support of the application.

Views of the neighbouring cottages are attached see site photos in appendixes

#### THE FOUR TESTS

#### 1. Does the proposal maintain the intent of the Official Plan

As per Section 6.7.4

(1.) This proposal maintains the visual and environmental concerns of the required buffer zone. In that trees and vegetation on the site are maintained.

(2.) the proposed steel pier construction and raised first floor in the buffer zone allows the natural vegetation to remain thereby continuing to maximize the control of pollutants to the water and maintain the natural habitat

Note: The pier construction is similar to that of a boat house which is an allowable built form within this buffer zone.

As per Section 6.7.5.

- (1.) The density and massing of the structures are low in profile and blend with the natural surroundings
- (3,4,5) The natural shoreline vegetation, tree cover and existing rock faces are maintained
- (5) The addition is hidden among the trees and cannot dominate the landscape.

Please refer to site photos in Appendixes

The proposal maintains the intent of the by-law for these reasons both visually and environmentally

Prepared by Valerie Farrell AOCA M.Arch.

VALERIE FARRELL DESIGN STUDIO INC . TORONTO, ONTARIO

## 2. Does the proposal maintain the general Intent and Purpose of the Zoning By-law

The proposal adheres to the purpose of the applicable Zones by maintaining a vacation dwelling which is in keeping with the characteristics of the neighbouring and existing dwellings. Our intention to create a compatible form of vacation dwelling to what is already existing requires a minor variance since the form of existing building characteristic to this site and neighbouring sites does not conform to the setback provisions of the by law.

## 3. Is the proposal desirable for the appropriate development or use of the land

This proposal seeks to vary the zoning by law in a manner that is characteristic of the area

#### 4. Is the proposal minor

Given that this is a very narrow and unusual site, the extent of the impact of the proposed addition on the neighbouring properties as a whole are minor and nonexistent. The mass and height of the proposed addition are situated so as to not impact on the adjoining properties or pose a condition that promotes unpleasant views, loss of light, disruption of services or overlooks.

The proposed addition maintains the buffer zone trees, vegetation and drainage. As a, result would be extremely difficult to see from the lake as well as the neighbours' cottages.

The proposed development is compatible with the established built form and character of the island site and has been carefully designed to quietly blend into the surroundings, respecting the environment and neighbours.

Prepared by Valerie Farrell AOCA M.Arch.

VALERIE FARRELL DESIGN STUDIO INC . TORONTO, ONTARIO

APPENDIX "

to

REPORT

COA2018-013

FILE NO: D20-17-049



the travelled road in. costage undden in the background.



first view of cottage. Gestie tile bee mound viable on the left.

APPENDIX <u>" E6 "</u>

to

REPORT COA2018-013

FILE NO: <u>D20-17-049</u>





septic Tile Bed mound. proposed addition with Across the rear of cottage extending to the last

cook's cottage

Neighbours cottage risula down the raw

View of Existing Cottage (from the rear) and proposed Addition Location. Taken from Read.



proposed addition location.

APPENDIX <u>" E7 "</u>

to

REPORT COA2018-013



View of neighbours cottage



View of Cook's estinge taken from neighbouring cottage. Showing proposed location & cove.

Lower deck railing



outer shoul, core and neighbours whave

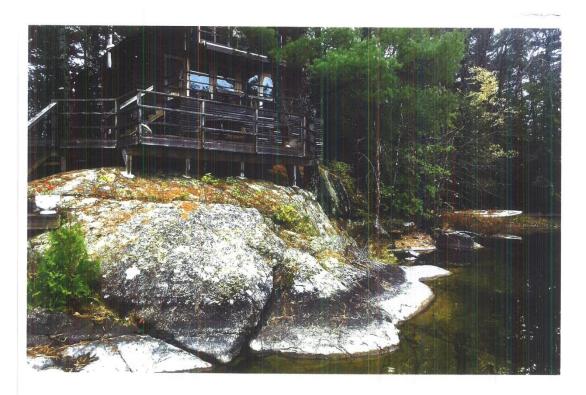
APPENDIX <u>" E8 "</u>

to

REPORT <u>COA2018-013</u>



· View of core from outer edge showing rocks, shoots, cooks cottage of migh bours.



APPENDIX <u>" E9 "</u>

to

REPORT COA2018-013





APPENDIX <u>" E10 "</u>

to

REPORT COA2018-013





APPENDIX <u>" E11 "</u>

to

REPORT COA2018-013



tubioct	D20-17-049
Subject	D20-17-049
From	Derryk Wolven
То	Charlotte Crockford-Toomey
Sent	Wednesday, February 21, 2018 3:14 PM

Please be advised building division has no concerns with the above noted application.

## **Derryk Wolven, CBCO**

Plans Examiner
Development Servicess, Building Division, City of Kawartha Lakes
705-324-9411 ext. 1273 <a href="https://www.kawarthalakes.ca">www.kawarthalakes.ca</a>



Subject	D20-17-049
From	Derryk Wolven
То	Janet Wong
Sent	Tuesday, March 06, 2018 3:37 PM

Provide confirmation from hydro that there is no concern with the conductors over the deck.

# **Derryk Wolven, CBCO**

Plans Examiner
Development Services, Building Division, City of Kawartha Lakes
705-324-9411 ext. 1273 <a href="https://www.kawarthalakes.ca">www.kawarthalakes.ca</a>





February 27, 2018 KRCA File No. 16168

APPENDIX <u>" F "</u>

to

REPORT <u>COA2018-013</u>

FILE NO: D20-17-049

Charlotte Crockford-Toomey
Development Services – Planning Division
City of Kawartha Lakes
180 Kent Street West
Lindsay, ON K9V 2Y6

Regarding:

Minor Variance Application D20-17-049

152 Island Drive

Island, Geographic Township of Somerville

City of Kawartha Lakes

Dear Ms. Crockford-Toomey:

Kawartha Conservation staff have now completed our review of the above noted application to reduce the water setback from a minimum of 15m to 10m; to increase the maximum projection for a cantilevered floor from 0.6m to 1m; to permit an existing shed in the front yard where only permitted in the side or rear yard; as well as to permit a shed 2.5m from the front lot line where 7.5m is required.

The subject property fronts onto the shoreline of Four Mile Lake. There is a flooding hazard associated with this waterbody, which in the absence of detailed data, is approximately 1m about above the highwater mark. Therefore, all new finished floor elevations associated with development should be a minimum elevation of 1m above the highwater mark. Staff note the property is located outside of Kawartha Conservation's watershed, therefore it is not regulated pursuant to Ontario Regulation 182/06 and no Permit from this office is required.

The following comments are provided as recommendations under our Memorandum of Understanding (MOU) with the City of Kawartha Lakes.

## City of Kawartha Lakes MOU

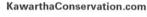
## Wildlife Habitat

The site is not designated significant woodland under the City of Kawartha Lakes Official Plan, and therefore an Environmental Impact Study is not required. However, a Tree Preservation/Protection Plan is recommended to demonstrate that the proposal "maintains the buffer zone trees [and] vegetation" as stated in the Accompanying Notes and Photos for Variance Application, 152 Island Drive, Four Mile Lake, Somerville Township, City of Kawartha Lakes, Ontario, prepared by Valerie Farrell Design Studio Inc., received February 26, 2018. Should any trees be removed for the purposes of constructing the proposed addition, Kawartha Conservation has a tree removal compensation approach that can be provided to the City.

Staff note that the *Accompanying Notes* asserts the "proposed steel pier construction and raised first floor addition in the buffer zone allows the natural vegetation to remain thereby continuing to maximize the control of pollutants to the water and maintain natural habitat". Staff do not find this statement to be entirely accurate, as the construction of development on piers, blocks out both the sun and precipitation to the landscape over which it is constructed and significantly impacts the mortality rates of existing vegetation. Staff note however that shrubs and non-native species are not considered as lost trees in the compensation plan.

#### **KAWARTHA CONSERVATION**

277 Kenrei Road, Lindsay, ON K9V 4R1 705.328.2271 Fax 705.328.2286





#### Fish Habitat

Four Mile Lake is considered fish habitat. Policy 2.1.8 of Provincial Policy Statement states,

"Development and site alteration shall not be permitted on adjacent lands (120m) to fish habitat unless the ecological function of the adjacent lands has been evaluated and it has been demonstrated that there will be no negative impacts on the natural features or on their ecological functions".

In addition, the Ministry of Natural Resources and Forestry recommends a minimum vegetated buffer for fish habitat of 30 metres. Based on the drawings submitted, the existing cottage and proposed development does not and cannot meet the 30 metre setback. Kawartha Conservation policies would recommend a fish habitat buffer planting plan, but given the nature of the shoreline and property (i.e. bedrock, shallow soils) a planting plan is unlikely to be the preferred method to protect fish habitat. The trees along the shoreline and tableland are providing quality fish habitat, and therefore should be protected. This reinforces Kawartha Conservation's recommendation for a Tree Preservation Plan to protect the existing vegetation, and identify areas of compensation, if necessary.

#### Summary

Based on our review of the above information, we can advise staff would foresee no issue with the approval of this application based on our consideration for natural heritage, natural hazards and water quality and quantity protection policies, subject to the following condition:

1. The proponent complete and submit a tree preservation/protection plan to the City of Kawartha Lakes and Kawartha Conservation to our satisfaction, prior to issuance of a Building Permit so as to confirm site vegetation and *fish habitat* are being protected through the development process.

I trust this meets your information requirements at this time. Should you require any additional information, please do not hesitate to contact this office.

Yours truly,

Katel Jane Harus

Katie Jane Harris, Resources Planner

Cc: Janet Wong, City of Kawartha Lakes, via email

## **Janet Wong**

From: Katie Jane Harris <kjharris@kawarthaconservation.com>

**Sent:** Monday, March 05, 2018 2:34 PM

To: Janet Wong

**Subject:** RE: Cook Minor Variance Application D20-17-049

#### Hi Janet,

As per our discussion earlier last week, wherein it was acknowledged that a standard planting plan to address fish habitat impacts would not be appropriate for this site, given the topography, Rob has thought about the fish habitat planting plan for the Cook Minor Variance and has come up with the following recommendation.

- Once they have completed the clearing and construction phase they should <u>over seed</u> and, <u>if possible</u> plant some trees.
- First they should seed with a forest understory or forest edge mix consisting of a variety of native understory or edge plants.

Some examples of a seed mixes are included below.

- No lawn creation or mowing be permitted on this property to allow for natural succession to occur and the local seed bank to root once site disturbance is completed
- If there are locations on site with enough overburden (soil) to plant, <u>staff recommend bare-root</u>, <u>White Pine seedlings</u>.

## **Seed Mixes**

A -- -- | 10 15 | -- /b --

Semi-Shade Forest Edge Seed Mix Details (St. Williams Nursery)

The Semi-Shade Forest Edge Seed Mix consists of wildflowers and grasses designed for semi shade conditions. Species will thrive in full-part sun, in average-well drained soils, and is ideal for smaller scale sites like under shade trees or in semi-shaded areas around structures. This mix is designed to add diversity to existing landscapes and once established, these species are drought tolerant.

Apply at 10-15 kg/ha		
Common Name	Species	%
Bottle Brush Grass	Elymus hystrix	30
Silky Rye	Elymus villosus	30
Indian Grass	Sorghastrum nutans	10
Big Bluestem	Andropogon gerardii	10
Wild Columbine	Aquilegia canadensis	8
Giant Yellow Hyssop	Agastache nepetoides	3
Switch Grass	Panicum virgatum	3
White Vervain	Verbena urtriculata	2
Brown Eyed Susan	Pycnanthemum virginianum	2
Dwarf Blazing Star	Liatris cylindracea	2

Or from the Ontario Seed Company (OSC) Limited

Woodland Seed Mix

https://www.oscseeds.com/ecommerce/-lawns---grass---sedges-/-problem--solver--mixtures-/Woodland-Seed-Mix.htm

This mix takes on shaded sites, diverse soil types, uses native Canadian perennials and actually grows well on its own.

Contains: Foxglove Beardtongue (Penstemon digitalis), Bebb's Sedge (Carex bebbii), Nodding/Fringed Sedge (Carex crinata), Fowl Bluegrass (Poa palustris), Showy Tick Trefoil (Desmodium canadensis), Fowl Mannagrass (Glyceria striata) Spotted Joe Pye Weed (Eupatorium maculatum), Canada Anemone (Anemone canadensis), White Avens (Geum canadense).

One package of 500 grams covers 200 sq. m. (2150 sq. ft.).

The above approach to mitigating impacts to fish habitat are recommendations made by KRCA to the City of Kawartha Lakes, as part of the Minor Variance application D20-17-049.

I trust the above is of assistance.

Best Regards, Katie Jane

Katie Jane Harris B.E.S. Resources Planner KAWARTHA CONSERVATION 277 Kenrei Road Lindsay, ON K9V 4R1

Tel: 705.328.2271 ext. 232

Fax: 705.328.2286

KawarthaConservation.com



Discover · Protect · Restore

This electronic transmission, including all attachments, is directed in confidence solely to the person(s) to which it is addressed, or an authorized recipient, and may not otherwise be distributed, copied, printed or disclosed. Any review or distribution by others is strictly prohibited. If you have received this electronic transmission in error, please notify the sender immediately by return electronic transmission and then immediately delete this transmission, including all attachments, without copying, printing, distributing or disclosing same. Opinions, conclusions or other information expressed or contained in this email are not given or endorsed by the sender unless otherwise affirmed independently by the sender.

From: Robert Stavinga

Sent: Monday, March 05, 2018 11:44 AM

To: Katie Jane Harris

Subject: RE: Seed spreading instead of tree planting

Hope this helps.

**Rob Stavinga**