Application 151/21
1021 Cook Road - Addition/alteration

This additional space will be used as storage and pantry, as well as an exercise area for my wife and I.

My wife has had lower back surgery and has chronic back pain. This extra space will also provide us with an exercise area, treadmill etc. and an area for stretching and Pilates.

This storage area will be used for off season clothing, boots, winter coats, suits, dresses etc.

It will also provide an office area as I am continuing employment, part time working from home. Storage for important personal documents, filing cabinets etc.

We would also like to utilize this space for a pantry for storing food, a chest freezer, cleaning supplies, linens and personal hygiene products.

We would like to have an entry/exit door to be used as a mud room and emergency exit.

This additional space will be constructed as per building codes.

Breakdown of application per each test:

1. Not impact the control of flooding/not impacted by flooding.
    a. All habitable area will continue to be outside of the flood elevation of 183.88MASL for Crowe Lake with the dwelling being over 1m above the existing elevation of 183.71MASL;
    b. The floodplain in this area is not subject to significant flows;
    c. There are several large trees between the dwelling and lake that may block waterborne/windblown debris/ice floating in flood waters;
    d. The proposed dwelling is on piers and displacement will be based on the portions of the piers within the floodplain;
        i. With 4 additional piers on 12" (~30cm) diameter sonotube footings with the maximum depth in the floodplain being 0.16m the total displaced water is 0.181m3 (181L)
    e. There is no increase to number of rooms/habitation ability; and,
    f. The driveway and access is within the flood access standards (<30cm) for safe ingress and egress.
2. Not impact/be impacted by the erosion hazard.
    a. The proposed development is over 6m outside the erosion hazard per the MNRF Technical Guide- River and Stream Systems: Erosion Hazard Limit.
3. Not increase the potential for pollution.
    a. The habitation of the dwelling is being maintained (no additional rooms) so potential impact from nutrient management/sewage does not change.
4. Not impact/be impacted by dynamic beaches.

    a. Dynamic Beaches are limited to the Great lakes, Lake Simcoe, and Lake Nipissing.
5. Conservation of land.
    a. The proposed addition is towards the rear of the property/away from the lake; and,
    b. The proposed addition is outside of the setback to the wetland.

As per the five tests, **there are no negative effects** for adding a small addition to this location, as the addition and the existing dwelling is built on piers and not displacing any waters.

The addition is 50% or less of the original habitable floor space to a maximum footprint of 46.5 square metres (~500 square feet), whichever is less, or in the case of multiple additions, all additions combined are equal to or less than 50% of the original habitable floor space to a maximum footprint of 46.5 square metres (~500 square feet), whichever is less;*

When speaking with a Conservation Ontario Representative in Newmarket, Ontario, I was told that this policy is only a guideline and can be altered to meet homeowners needs.

This policy is designed for fast moving rivers with fast moving waters, not for small inland lakes like Crowe Lake.

Thank you for your assistance,
Rocco & Lori Lamanna

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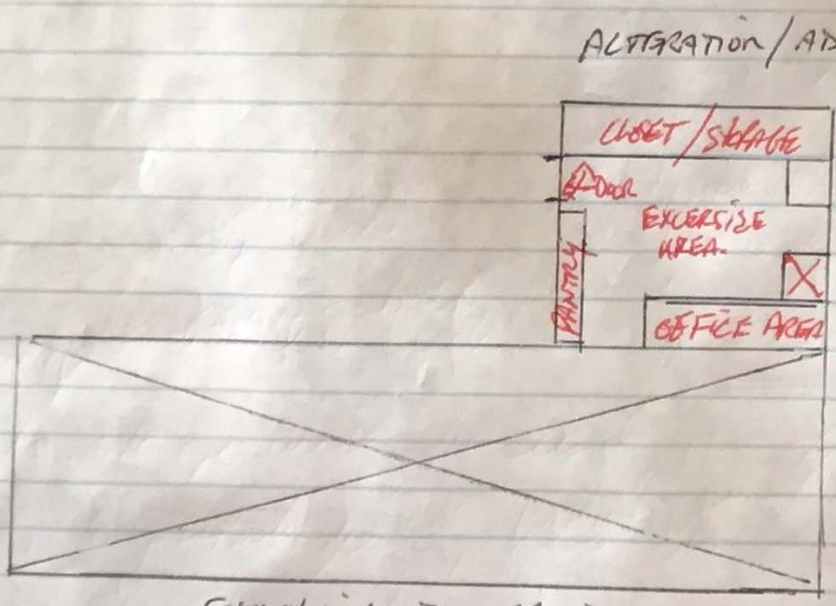
1021 COOK Rd.

ROCCO · LORI LAMANNA



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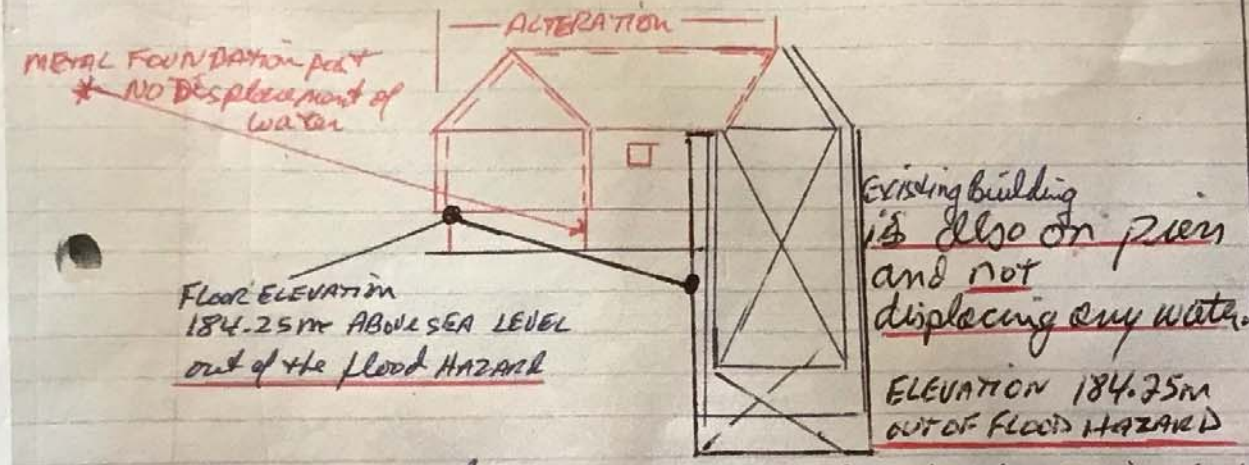
1021 COOK Rd. ROCCO + LORI LAMANNA FILE # 151/21

To whom it may concern:

We believe this application complies with flood proofing measures, and we accept responsibilities for future damage caused by flooding

There will be no digging or soil disruption, NO creation of a new Lot or change in land use. No changes in landscape or alteration.



The control of flooding will not be impacted by the size of this alteration.
There will be NO displacement of water, using Metal foundation screw on Piers, or sonotube.

NO NATIVE species or Vegetation will be removed, NO WORK Near the Shoreline.

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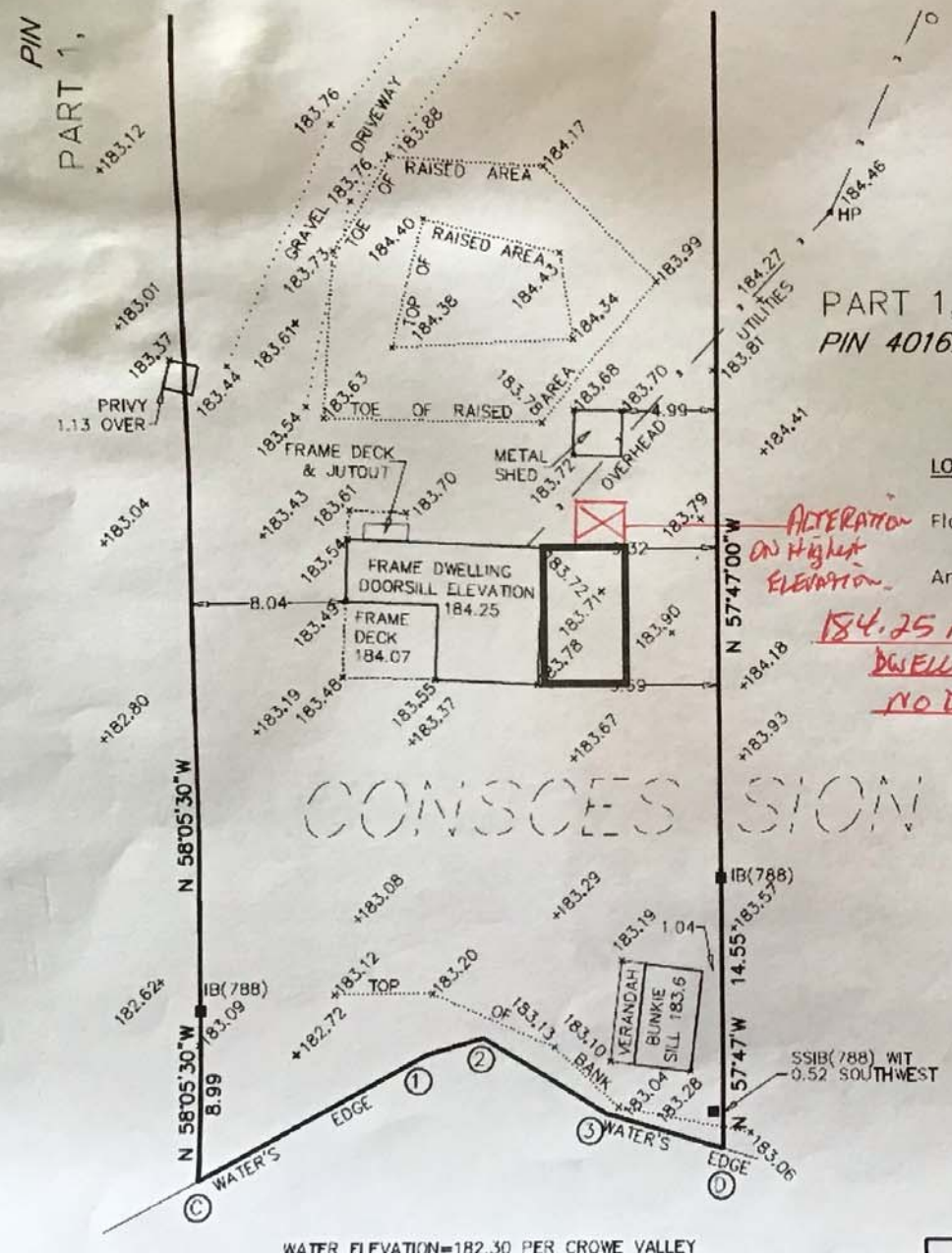

PART 1, PLAN 21R-18112
PIN 40162 – 0090

LOCATION OF PROPOSED ADDITION (not to scale)

Flood hazard elevation of Crowe Lake: 183.88 mas.

Any number on the survey below 183.88 is in the flood hazard.

184.25 m OUT of FLOOD HAZARD.
DWELLING ALREADY ON PIERS
NO Displacement of water.

Surveyor's Certificate

I certify that:

1. This survey and plan are correct and in accordance with the SURVEYS ACT, the SURVEYORS ACT and the LAND TITLES ACT and the regulations made under them.
2. The survey was completed on November 29th, 2016.

Date

Robert K. Harris
Ontario Land Surveyor

WATER ELEVATION=182.30 PER CROWE VALLEY

PAGE 4 Rocco · Lori Lamanna.
1021 Cook Rd.

- The Authority may grant permission to develop in or on the areas described in Sub Section 2. If in its opinion, the control of flooding, erosion, dynamic beaches, protection or the conservation of land will not be affected by the development.

FLOOD CONTROL

- Crowe Valley Conservation Authority operates 14 water-control structures, located across the Crowe Valley Watershed to manage water levels and flow. By managing and operating Dams throughout the Watershed 365 days a year.
- Fortunately, the Crowe Valley Watershed is still primarily in its natural condition. Since development has not eliminated the wetlands and other natural features. This is vital since these natural features help to absorb the impact of these storm events.
- Dams and Weirs in the Crowe Valley Watershed, Walliston Lake, Belmont Lake, Oak Lake, Pautsh Lake, Methuen Lake, Steinburg Lake, Marmoa Dam, Lasswaad Lake, Kashabog Lake, Cardova Lake, St. Ola Lake, Allan Mills Dam, Crowe-Bridge.
- There is no interference with wetlands. There is no alteration to shoreline and water course regulations.
- Protecting intrinsic natural heritage values, associated with wetlands, water course and shorelines. Minimizing property damage and social disruption, no digging of foundations to be performed.
- No unstable slopes as property is not near a river or stream, which could result in stream erosion. No digressional features associated with rivers and streams, consistent with fast moving rivers.
- Crowe Lake is consistent with rocky shore line that quickly turns to hard sand. Very little risk of erosion, Crowe Lakes' total surface area is 4 square miles. Not considered a large, inland lake, means those water bodies having a surface area of equal to or greater than 100 square kilometers where there is not a measureable or predictable response to a single run off event.
- No dynamic beaches, inherently unstable accumulations of shoreline sediments. There are no dynamic beaches, beaches that undergo continuous or change due to natural erosion and accretion are dynamic.
- No risk to wildlife due to this alteration and wildlife will be protected.
- No changes in landscape or alterations. Not a creation of a new lot or change in land use requiring approval under the Planning Act.