



DEVELOPMENT AGREEMENT – PROPOSAL

BY

BIANCA & PIERRE-LUC SÉVIGNY

# Agenda

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- Who are we?
- Why?
- What?
- Where?
- When?
- Since last meeting





# Who are we?



## Why?

*“Our mission is to utilize modern sustainability methods to provide a flow of ethically raised animal products and incorporate agritourism to promote small-scale farming.”*



# What?

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- Raise the amount of animals permitted on the farm.
- Build an on-site abattoir to process rabbits, chickens, and ducks.



# Amount of animals permitted

- Actual:

- 50 domestic fowls
- 10 any other types of livestock

- Proposed:

- 200 domestic fowls
  - 100 chickens
  - 100 ducks
- 55 other type
  - 6 horse (board)
  - 8 hogs
  - 4 goats
  - 30 rabbits





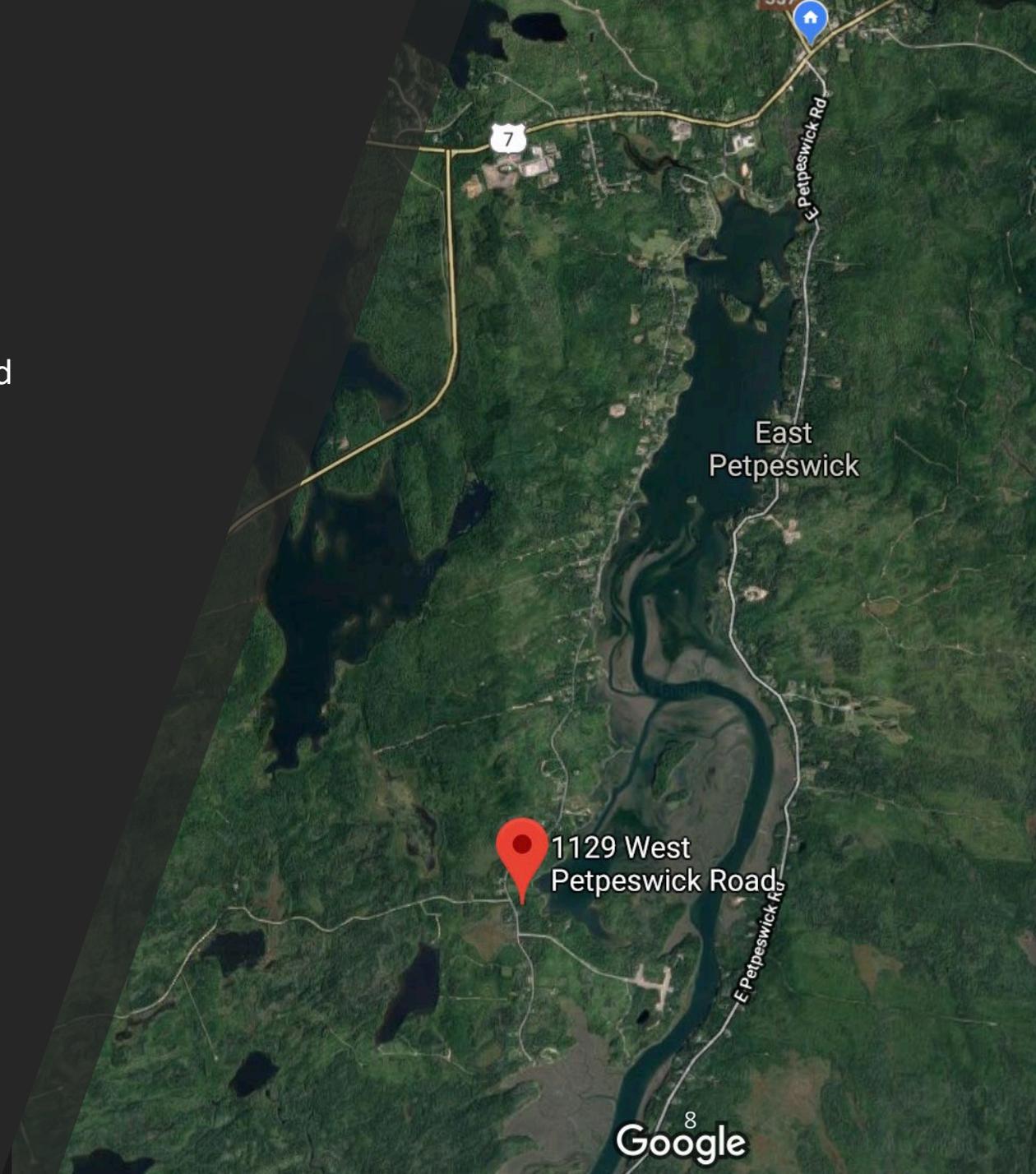
# Abattoir

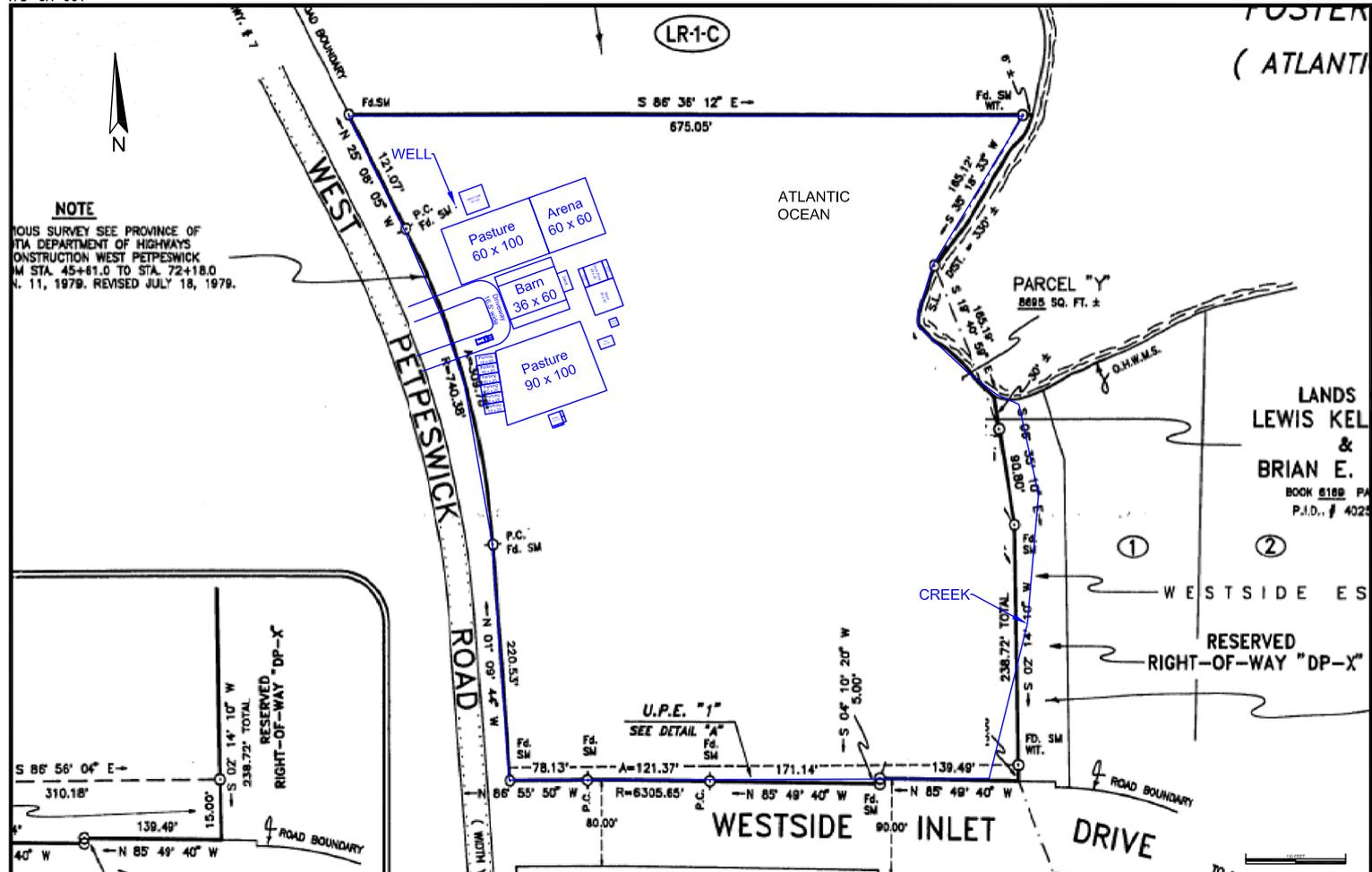
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- Size of the building: 24ft x 24ft, single story
- Monthly Production: 3 days/month
  - Meat chickens (May to October)
  - Ducks
  - Rabbits
- Designed with Dept of Env.
- Inspired by a facility in Bridgewater
- Engineered septic system
- Off-site disposal of by-product (city compost)

# Where?

- 1129 West Pestpeswick Rd
- 7.5 acres of land
- 300 feet of ocean front





REV	DATE	DESCRIPTION	BY
1	2020-07-08	ADD DRIVEWAY DIRECTION	PLS

**REVISIONS**

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TITLE	
THE FRENCH DUCK GENERAL ARRANGEMENT	
PROJECT No.	DATE 2020-05-06
DRAWN BY	PIERRE-LUC SEVIGNY, INC.
APPROVED BY	
DRAWING NO.	1

SHEET	
1 / 1	
REVISION	

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FILE NO. .DWG



# Concerns from Public Meeting November 2019



# What are the environmental impacts?

- Environmental Farm Plan has been completed
- Only 30% of the land used for farming
- Keep sufficient natural buffer with the waterbodies as outlined in the agreement by zones
- Approval of the farm plan by Nova Scotia Federation of Agriculture





# Not Enough Land

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# Chicken/Ducks

- Average Canadian Farm: 36,000 chicks
- Canadian Trends: Larger farms, less farms, aging farmers
- $38 \text{ kg/m}^2 = 83\text{lbs}/10\text{ft}^2 = (60,000 \text{ birds/acre})$
- Requirement of land varies from 80-400 chickens/acre
- USDA Organic Regulations – 2sqft per (over 20,000/acre)
- 200 does not consider age
- Evening manure composted
- Cycles of 30 broilers & 30 ducklings
- 40-50 in laying/breeding flocks





# Pigs

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- Average Canadian Herd: 1,720
- 220lbs = 7sqft = (6,000 pigs/acre)
- Organic Requirements: >190lb = 14sqft = 3,000/acre
- “The Homestead Hog”: 25-35 pigs/ acre is a good rule of thumb
- Planning maximum of 8 = 0.32 acre
- Yearly rotational system





## Horses, Goats & Rabbits

- Manure is not left on field
- Composted
- Stalled or in cages





**The French Duck**  
Published by Bianca Sévigny · 4d · 🌐

For those with gardens, we've got a nice manure pile free for anyone who wants 😊 It's a lovely mixture of horse, chicken & rabbit poo with wood shavings an peat moss!

801 People Reached      135 Engagements      [Boost Post](#)

Lab #	2001412-001		
Sample ID	MAIN FIELD		
Crop to be Grown	Grass Forage		
Parameter	Analysis	Rating	
pH (pH Units)	7.59		
Buffer pH (pH Units)	7.97		
Organic Matter (%)	1.6		
P2O5 (kg/ha)	156	M-	
K2O (kg/ha)	146	M-	
Calcium (kg/ha)	3037	M	
Magnesium (kg/ha)	296	M	
Sodium (kg/ha)	38		
Sulfur (kg/ha)	< 4		
Aluminum (ppm)	631		
Boron (ppm)	< 0.50		
Copper (ppm)	2.46		
Iron (ppm)	292		
Manganese (ppm)	214		
Zinc (ppm)	1.87		
CEC (meq/100 g)	9.3		
Base sat. K (%)	1.7		
Base sat. Ca (%)	81.6		
Base sat. Mg (%)	13.2		
Base sat. Na (%)	0.9		
Base sat. H (%)	2.6		
LR CaCO3 (t/ha to pH 6.5)			
Required Nutrient (kg/ha)	N	P2O5	K2O
	180	85	140

# What to do with Manure?

Compost (specific guidelines), give away or apply directly



## Noise Pollution

- Loudest are ducks
- Very vocal, especially feeding & pond play
- Automatic feeders/waterers
- Closest Neighbor: Jeff & Alana = 575ft
- Large buffer of natural vegetation

# Runoff into the inlet

- Land is like a bowl
- Water is held in & reabsorbed
- Large buffer zone to filter any possible runoff



# No Background in Agriculture

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- 2017 - Bachelor of Science in Marine Biology, BSc (Agr)
- Now – part time Bachelor of Science in Agriculture, BSc (Agr)
- Concentrating on course related to our farm as perquisites are already completed from previous BSc
- Numerous online resources (videos, articles, Joel Salatin, etc.) and books on agriculture



## Attract Rodents and Predators

# Why do you want a farm in your community?

Development Agreement - Public Presentation



# Addressing the food crisis and promoting a movement towards sustainability



- Reducing the number of animals in intense facilities
- Promoting sustainable agriculture
- Raising Awareness
- Implementing new techniques
- Fertilizer for locals, lower need for artificial fertilizers



# Education



- Programs
- Workshops
- 4-H
- Educational tours





# Farm Connections for local youth

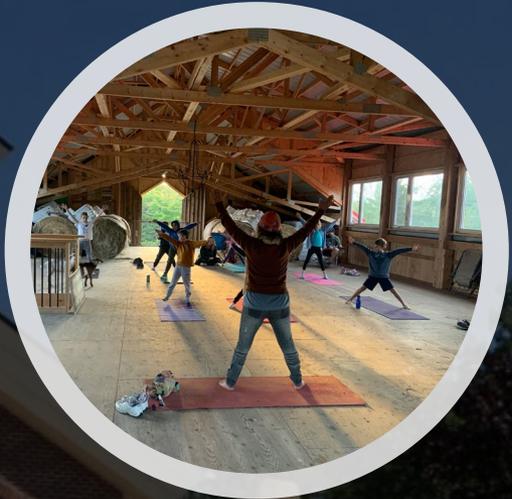


Increase Tourism

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# Promote Local Promote Local Jobs



# Community Events





People plant vegetables, we plant chickens



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Thank You