

Schedule 1 to the Minutes of the  
Development Permit Panel  
meeting held on Wednesday,  
May 16, 2018.

# Pacific Grace MB Church

Environmental Assessment and Planting Plan for  
9251-9271 Beckwith Road, Richmond BC



John Black  
May 16, 2018

## Background

- The property was a residential single family home, with in an commercial area in the City of Richmond,
- The residence has been demolished, and the property overgrown, and
- Large accumulation of garbage present



## Purpose of the Assessment

- Was to conduct a base line inventory of the site and describe any significant biophysical features
- Assess the potential of the property to support bird and wildlife species, The environmental impact of the proposed development
- Erosion and Sediment Control Plan
- Planting Plan.



# Methods

JBL conducted an inventory surveys on August 15 , 2015  
Including:

- Reviewed existing environmental information on the site
- Inventoried existing vegetation
- A raptor nest survey and recorded wildlife trees and evidence of wildlife sign,
- Assessment of the potential for properties vegetation habitats to support small mammals, amphibians and nesting bird species at risk as well as habitat corridors

# Results

The Property contains numerous ornamental trees and shrubs

Notable habitat features Included :

1. Row of maturing conifer trees on the north boundary
2. Small group of mature fruit trees in the west-centre of the Property
3. One mature western redcedar tree in the north-centre of the Property
4. mature cherry tree adjacent to the western redcedar in the north-centre of the Property
5. Multi-trunked mature European horse chestnut

# Notable habitat features on the Property



1



2



3



4



5

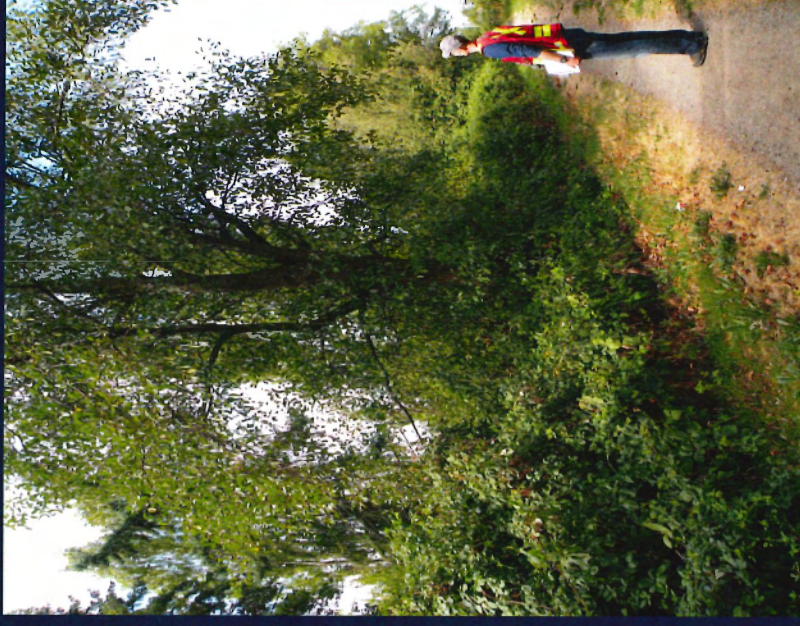
# Results

- The lack of surface water restricts any aquatic or amphibian species.
- No raptor or songbird nests were observed.
- Although 3 wildlife species at risk have the potential to be present in the study area (Band-tailed pigeons, Oregon forest snail, Pacific sideband snails). Non were observed.
- The area provides limited habitat as a result of the extensive growth of invasive vegetation.
- Bridgeport Trail and the ROW below the Highway 99 may act as a wildlife corridor for small to medium sized mammals.
- Raccoon (*Procyon lotor*) tracks were identified in the ROW



## Detailed Planting Plan

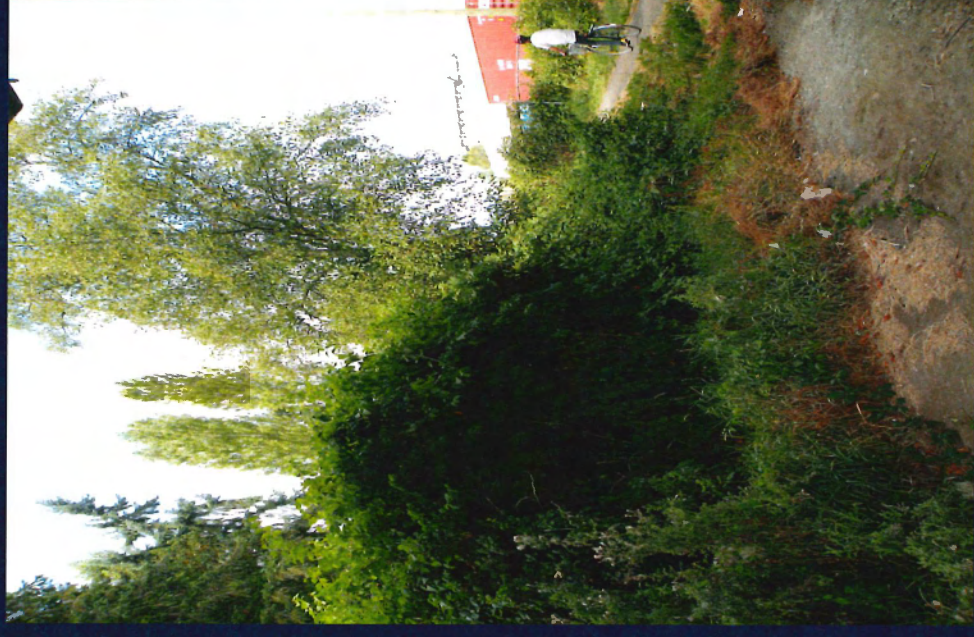
- To offset habitat loss as a result of vegetation clearing within an environmentally sensitive area
- 27 significant trees will be lost on the Property
- We have proposed to replanting of a 400-m<sup>2</sup> section of the Bridgeport Trail adjacent to the property that is over run by invasive species





## Invasive species

- Himalayan blackberry and English ivy will be eliminated by manual removal
- Japanese knotweed is exempt from the Pesticide Use Control Bylaw and will require 2 application of foliar spray herbicide prior to removal
- After removal organic material will be taken directly to Harves Power for composting.



## Site Preparation

- The removal of vegetation will be mindful of migratory bird nesting window, from March 15 to August 15
- After removal of any invasive plant
- 600 mm of growing medium will be placed over the planting areas



## Planting

- Forty-eight trees and 452 shrubs will be planted in the 400 m<sup>2</sup> area.
- Plants will be planted at a density of 1 plant per 0.8 m<sup>2</sup> (1.25 plants /m<sup>2</sup>)
- Plantings will be composed of nursery stock in 1- and 2-gallon pots
- Tree plantings will comply with the City's Tree Protection Bylaw

# Monitoring

- An as-built report will be submitted to the City of Richmond after completion of the planting
- Monitoring will take place for 3 years and will include:
  - Count all plants to determine survival,
  - Percent cover to determine percentage of invasive species.
- The success of the replanting project will be defined as:
  - Less than 5 % cover of non-native shrubs; and
  - Establishment and persistence of 80 % of planted species

## Post-Planting Maintenance

- Ongoing invasive plant removal of all invasive shrub seedlings and re-sprouts will occur on a yearly basis for 3 years and will include,
- Annual replacement of plants that have died during the maintenance period.

Thank You

