

THE CORPORATION OF THE
CITY OF WHITE ROCK
15322 BUENA VISTA AVENUE, WHITE ROCK, B.C. V4B 1Y6



March 4, 2010

A **SPECIAL MEETING** of CITY COUNCIL will be held in the **CITY HALL COUNCIL CHAMBERS, FRIDAY, MARCH 5, 2010** at 5:00 p.m., for the transaction of business listed below.

T. Arthur, City Clerk

A G E N D A

1. AGENDA APPROVAL

RECOMMENDATION:

THAT the Corporation of the City of White Rock Council adopt the agenda for the March 5, 2010 special meeting as circulated.

2. PREVIOUS MINUTES

Special Meeting – February 19, 2010

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RECOMMENDATION:

THAT the Corporation of the City of White Rock Council adopt the minutes of its February 19, 2010 special meeting as circulated.

**3. TREE TRIMMING SOUTH OF MARINE DRIVE
AND EAST OF THE PIER**

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A/City Manager (Director of Planning and Development Services) and A/Director of Engineering and Municipal Operations in attendance to discuss tree trimming south of Marine Drive/East of the Pier.

4. MOTION TO CLOSE THE MEETING

RECOMMENDATION:

THAT the meeting of the White Rock City Council scheduled for March 5, 2010 be closed pursuant to the *Community Charter* provisions, Section 90 (1) (g) and (i) as follows:

“90 (1) A part of a Council meeting may be closed to the public if the subject matter being considered relates to or is one or more of the following:

- (g) litigation or potential litigation affecting the municipality; and
- (i) the receipt of advice that is subject to solicitor-client privilege, including communications necessary for that purpose.

5. ADJOURN THE MEETING UNTIL CONCLUSION OF CLOSED MEETING

6. CONCLUDE SPECIAL MEETING OF MARCH 5, 2010

PRESENT: Mayor Ferguson, Chair
Councillor Anderson
Councillor Campbell
Councillor Fathers
Councillor Meyer
Councillor Sinclair

ABSENT: Councillor McLean

STAFF: P. Clark, City Manager
T. Arthur, City Clerk

The meeting was called to order at 2:08 p.m.

1. AGENDA APPROVAL

2010-078

It was MOVED and SECONDED

THAT the Corporation of the City of White Rock Council adopts the agenda for the February 19, 2010 Special Meeting as amended to include consideration of *Community Charter* provision 90(1)(a) under Item 3.

CARRIED

2. ADOPTION OF MINUTES

2010-079

It was MOVED and SECONDED

THAT the Corporation of the City of White Rock Council adopts the February 9, 2010 Special Meeting of Council minutes as circulated.

CARRIED

3. MOTION TO CLOSE THE MEETING

2010-080

It was MOVED and SECONDED

THAT the meeting of the White Rock City Council scheduled for February 19, 2010 be closed pursuant to the *Community Charter* provisions, Section 90 (1) (a), (c) (g), (i) and (k) as follows:
“90 (1) A part of a Council meeting may be closed to the public if the subject matter being considered relates to or is one or more of the following:

- (a) personal information about an identifiable individual who holds or is being considered for a position as an officer,

- employee or agent of the municipality or another position appointed by the municipality;
- (c) labour relations or other employee relations;
 - (g) litigation or potential litigation affecting the municipality;
 - (i) the receipt of advice that is subject to solicitor-client privilege, including communications necessary for that purpose;
 - (k) negotiations and related discussion respecting the proposed provision of a municipal service that are at their preliminary stages and that, in the view of the Council, could reasonably be expected to harm the interest of the municipality if they were held in public.


The special meeting adjourned at 2:10 p.m. until completion of the closed meeting.

The special meeting reconvened at 5:41 p.m. with all noted Council and staff.

4. CLOSURE

The Chair declared the Special meeting to be concluded at 5:42 p.m.

Mayor Ferguson, Chair



T. Arthur, City Clerk



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Proposed Scope of Work

Project: BNSF Lands – “The Hump” - White Rock, BC

Site Location: See Attached Site Diagram for Sections A, B, & C

Project Arborist: Austin Peterson
ISA Certified Arborist PN-1570
Tree Risk Assessor Certification #175

Landscape Architect: Ryan Crago
Van der Zalm + Associates

Introduction

The work plan outlined in this report is based on the Arborist Report dated October 18, 2006 prepared for Mr. George Melville of 15079 Marine Drive White Rock, British Columbia. The work plan defines the scope of work and project area, tree and shrub canopy cover retention/removal and work methods for carrying out the work.

Please refer to attached Arborist Report for site specific prescriptions.

Site History

The site has undergone significant changes from its origins when development in the area began in the early 1900's. Original stands of native conifers that were present prior to development of the railway and lost through that early development period of the City were replaced through natural forest succession with fast growing short lived native species such as Big Leaf Maple, Alder and Bitter Cherry.

The residential development of the slopes above Marine Drive in the period of approximately 1910-1940 initially led to the establishment of summer cottages and homes. With this came the desire of many of the owners to maintain and preserve views of the water and out laying San Juan and Gulf Islands. This led to the cutting and removal of trees on the foreshore slope to allow for view lines and to reduce risk of slope instability. This maintenance activity of cutting trees has been ongoing practice through to present day.

Scope of Project Area

All of the proposed works are occurring on property owned by the BNSF Railway. The proposed work site area begins at the east end of the City of White Rock pier parking lot and extends approximately 280m east along the Marine Drive frontage and extends from the back of side walk south to the railway line. A slope elevation cross section is provided in Diagram 1 for purposes of defining the slope components.

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Diagram 1

Slope Elevation Cross Section; Marine Drive – Railway Tracks

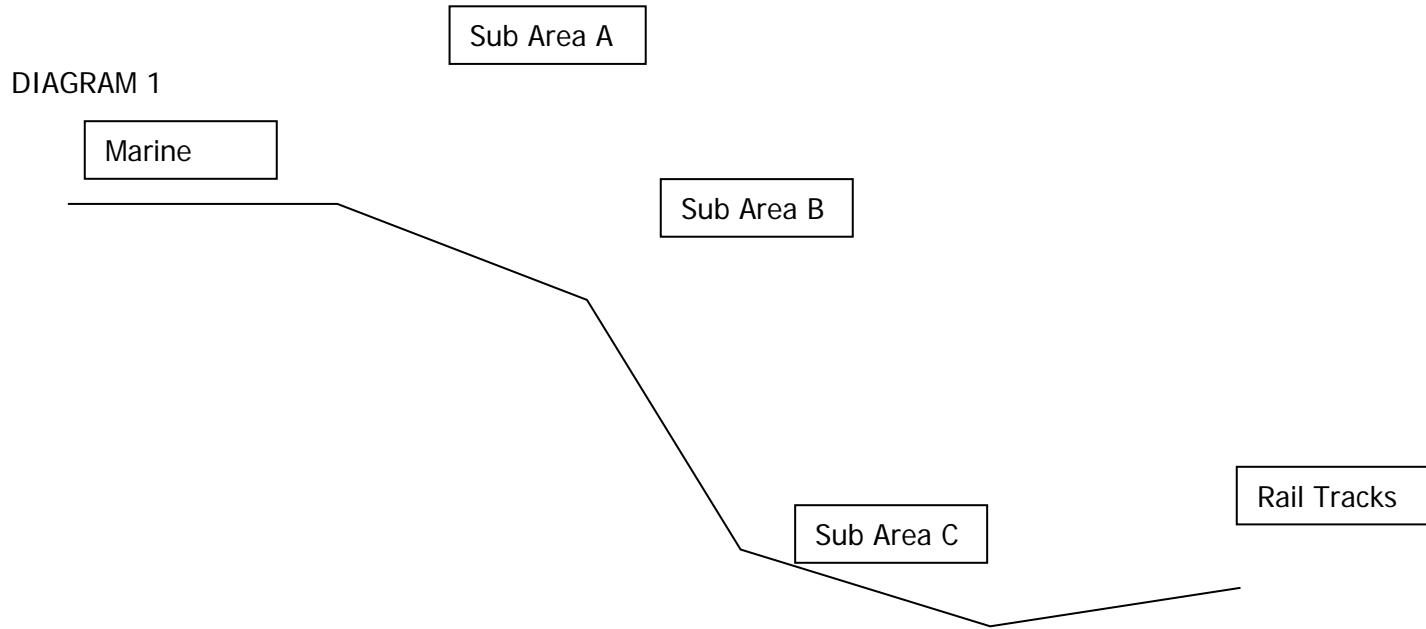
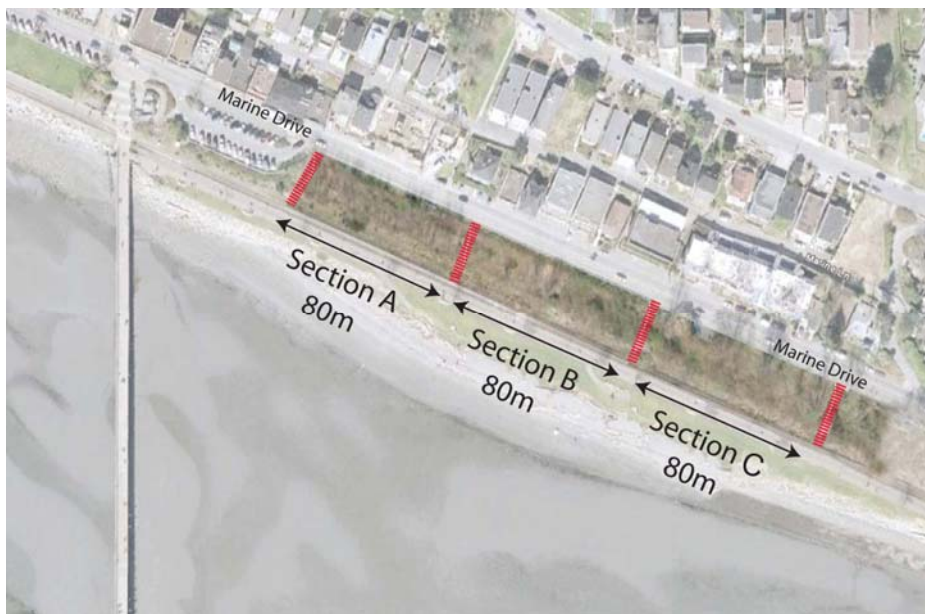


Diagram 2

Aerial Map



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Sub Area A

Forms a “top of bank” component approximately 8 meters deep from the south edge of the sidewalk on Marine Drive. This portion of the slope with its grade of approximately 30% or less forms a part of maintaining the structural integrity of Marine Drive’s roadway and sidewalk.

Sub Area B

Covers the steepest section of slope with grades ranging from 45-60%.

Sub Area C

Covers the toe of the slope with grades ranging from 30% and less to the rail line property.

Tree & Shrub Canopy Retention/Removal

The existing mix of vegetation on the slope is limited to a few native species with competition from invasive Himalayan Blackberry. The tree stem (trunk) diameters average 7 centimeters dbh (diameter at breast height) with a common range of tree stem diameters of between 6-12 cm. dbh. The existing trees are generally re-sprouts on previously cut trees. As such they are poor candidates for providing long term sustainability of trees on this slope. The re-sprouted stems of these trees all have poor attachments by the nature of how these trees regenerate growth. Consequently the larger these stems get the greater the risk that they will fail at the attachment point.

The work to be undertaken under this work plan is a continuation of maintenance practices that have been ongoing on this site for many years as noted in the site history portion of this document. The current growth and existing size of tree stems on the site is the result of re-growth resulting from previous tree cutting maintenance activities. It is worth noting that the term “removal” pertains to the removal of the tree stem or trunk above the ground and existing grade thus not disturbing the root zone and allowing for regeneration of new stems. All existing shrub canopy will be retained.

A selective removal of tree stems in Sub Area A will leave approximately 30% of the existing tree stems in there current condition. The majority of the trees in this sub area are Bitter Cherry. Tree stems chosen to be retained in the existing condition are deemed those most suitable for such retention and are typically retained in groups of 3 - 5. Trees to be retained have been marked with an orange spray painted dot on the south side of the tree stem. All unmarked stems will be removed.

Trees in Sub Area B & C composed predominantly of Big Leaf Maple will be reduced in height back to location of previous stem cuts at typical heights of three meters.



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Successional Planting

In certain areas of removals, low-growing successional planting will be required to ensure slope stability moving forward. Contractor to provide hydrdoseed with:

Coastal Re-vegetation Mix

% Seed Count	%Weight	Seed Type
28%	25%	Creeping Red Fescue
9%	20%	Perennial Ryegrass
10%	25%	Annual Ryegrass
6%	5%	Orchardgrass
5%	0.5%	Red Top
8%	0.5%	Colonial Bentgrass
16%	7%	Timothy
3%	2%	White Clover
12%	10%	Alsike Clover
3%	5%	Single Cut Red Clover

from Premier Seed Mix(604)881-1323 or approved equal. All exposed areas on Section A and Section C to receive successional planting.

Maintenance

Contractor to provide maintenance on seeded areas for one year after substantial completion. Maintenance to include removal of all invasive species from hydrdo-seeded areas.

Work Methods

As the tree work will be carried out with the use of aerial boom bucket trucks located on Marine Drive a Highway Use Permit including a traffic plan will be required by the City of White Rock. The contractor will ensure that traffic control is in place as required to direct traffic through out the duration of the work program. Additionally, there has been a request to BNSF to access the site from the base of the slope.

Tree stem removals will be carried out in such a way as to have the least impact on existing soils and plant materials. Stems will be secured by rope to the truck boom, the tree stem cut and then lifted out of the treed area. All tree stems and debris will be removed from the site utilizing tree chippers and truck boxes.

All contractors who have not attended the BNSF safety exercise will be required to do so prior to project start-up.

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Arborist Report – Site Prescriptions

Project: BNSF Lands – “The Hump” White Rock, BC

Site Location: 15000 block Marine Drive White Rock B.C.

Project Arborist: Austin Peterson
ISA Certified Arborist PN-1570
Tree Risk Assessor Certification #175

Landscape Architect: Ryan Crago

Date: January 30, 2010

Introduction

The Site Prescription provides information to direct the tree service contractor in meeting the objectives outlined in the Proposed Scope of Work under the heading Tree & Shrub Canopy Retention /Removal. Site prescription are outlined for each 80 meter section noted as Section A, B & C. The prescriptions are prepared to provide instruction for specific groupings of trees by species and or size. Trees have not been marked in the field.

Scope of Project Area

All of the proposed works are occurring on property owned by the BNSF Railway. The proposed work site area begins at the east end of the City of White Rock pier parking lot and extends 240 meters east along the Marine Drive frontage and extends from the back of side walk south to the railway line.

Section A

The trees in this section consist predominantly of Bitter Cherry. In 2008 a number of tree stems were removed to the ground with the remaining existing stems crown raised.

Site Prescription

- Remove 25% of existing Bitter Cherry tree stems to ground. Focus will be on those trees with the greatest height and dbh (diameter at breast height) and closest proximity to Marine Drive.

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Section A



Section B

The trees in this section are composed of approximately three groupings of Big Leaf Maple located in the mid point of this section. These trees have all been cut back to ground within the past 5-10 year period.

Site Prescription

- Reduce the size of the individual groupings by removing 30% of the tree stems from around the perimeters of the groupings.
- Remaining tree stems to be reduced in height to the elevation of the top rail of the pedestrian fence railing on Marine Drive.

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Section B



Section C

The trees in this section are composed of the following trees:

Common Name	DBH	Condition Rating	Comments
Big Leaf Maple	5 stems 25-35cm. (approx.)	Poor	Fair form for species but presents multiple visible defects that pose hazard risk. Multi trunk stem unions, decay present at unions, decay pockets in tree stems.
Red Alder	45cm. (approx.)	Poor	Fair form for species but presents multiple visible defects that pose hazard risk. Two trees grown together with separate tree trunk stems growing within 1.0 meters has resulted in a shared canopy. Decay present at trunk scaffold branch unions, decay pockets in main tree stems.
Bitter Cherry	25/25 cm. (approx.)	Poor	Co-dominant stem trunk. Some what shade suppressed by surrounding Alder and B.L. Maple.
Prunus sp.	10-15 cm. (approx.)	Fair	Multi stem tree. Fair form.

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Common Name	DBH	Condition Rating	Comments
Big Leaf Maple	6 stems 20-30cm. (approx.)	Poor	Fair form for species but presents multiple visible defects that pose hazard risk. Multi trunk stem unions, decay present at unions, decay pockets in tree stems.

Site Prescription

- Reduce the Big Leaf Maples to Wildlife stems to match height of existing wildlife stems.
- Reduce the crown size height and width of the Red Alder by 30%.
- Remove the Bitter Cherry to ground.
- Reduce the crown size height and width of the Prunus by 20%.

Section C



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Limitations

This report is valid for the day the trees were reviewed. This report is not to be re-printed, copied, published or distributed with out prior approval by van der Zalm + associates.

Sketches, diagrams and photographs contained in this report being intended as visual aids, should not be construed as engineering reports or legal surveys.

Only the subject tree(s) was inspected and no others. This report does not imply or in any other way infer that other trees on this site or near this site are sound and healthy.

The tendency of trees or parts of trees to fall due to environmental conditions and internal problems are unpredictable. Defects are often hidden within the tree or underground. The project arborist has endeavored to use his skill, education and judgment to assess the potential for failure, with reasonable methods and detail. It is the owner's responsibility to maintain the trees and inspect the trees to reasonable standards and to carry out recommendations for mitigation suggested in this report.

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