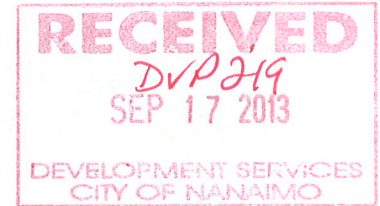


September 11, 2013



Ian Bournazel
4161 Jingle Pot Road
Nanaimo, BC, V9T 5P7

Attention: Mr. Ian Bournazel

Re: 4171 Jingle Pot Road, Watercourse Restoration / Riparian Area

Pursuant to notification by the City of Nanaimo of the disturbance to the existing watercourse and riparian area at the above noted municipal address we have been engaged by yourself to evaluate the extent of and the impacts of disturbance; to prepare documentation showing proposed remediation works; to coordinate such efforts with City of Nanaimo Staff; and to prepare and make submission to the City of Nanaimo for an Aquatic Development Permit for proposed remediation works.

We have visited the site on several occasions during the latter part of August to assess and to document the approximate extent of riparian indicator species together with the approximate extent of physical disturbance. We note that a recent assessment prepared for the abutting property immediately downstream by Streamline Environmental Consulting Ltd. forms a reasonable documentation of baseline of conditions prior to disturbance and did not defined the riparian area as a stream under the Riparian Areas Regulation This area is however, subject to development restrictions and requires that Aquatic Development Permit be obtained.





We have prepared a landscape remediation plan that will accomplish several objectives, including the reinstatement of the baseline flow pattern, and the replanting of the disturbed area with a diverse range of native plant species. The species are arranged in four polygons with a variation of species selection and distribution for each polygon.

Polygon "A" is about 130m² in area and is intended to repopulate the lower flow area reconnecting the existing watercourse broken by disturbance.

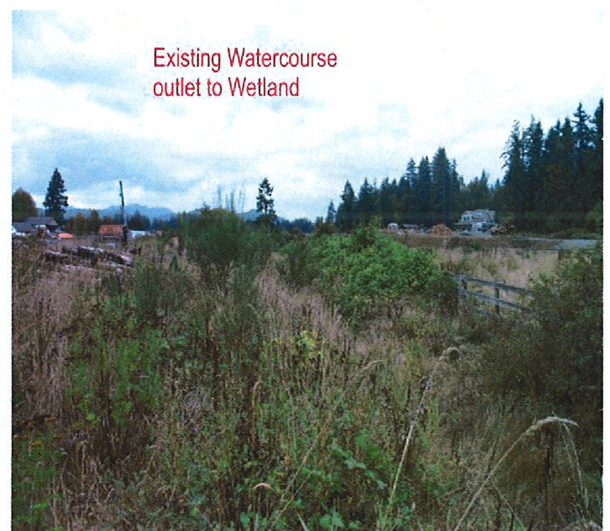
Polygon "B", as the watercourse edge will help define the newly constituted edge.

Polygon "C" is largest area of about 340m² and as located as the higher of the four zones may support Western Red Cedar, for example.

Polygon "D" is an area previously populated by aggressive grasses, interspersed with a limited population of rushes.

We foresee the following steps to restoration:

1. Pull back organic fills (150 to 180 mm) from polygon area "A" and reshape by hand to facilitate a natural drainage.
2. Remove invasive species that may have encroached within this wetland area.
3. Demark polygon areas in the field to confirm areas and zones intended.
4. Using demarked areas, reconfirm plant quantities required. Plants are specified at 1.5m OC (2.25m² per plant).



5. Upon completion of planting, over-seed entire area with specified seed mix.
6. Place a 30 to 40mm layer of oat straw over entire area.
7. Monitor plantings to identify growth and species success and replace materials where significant loss of cover is prevalent. Plants are sometimes like people. If they decide they don't like a particular environment they will move on.

We enclose a copy of our landscape restoration plan L.2.

Our proposal for remediation

Sincerely;

Frank Basciano Landscape Architect



Frank Basciano, BCSLA, CSLA

