

“A Survey of the parcel prepared by a British Columbia Land Surveyor”

Sections i. – vi.

The lot was surveyed by WSP on December 12, 2019. The topographic map titled “Type ‘C’ Soil Deposit Permit Topographic Survey”, dated January 8, 2020, is generally in conformance with Bylaw No.4236 Section 12. It should be noted that the drawing does not encompass the northeastern portion of the lot. We do not consider this portion of the lot will be impacted by the proposed soils deposit. This is indicated in the attached WSP drawing titled “Type ‘C’ Soil Deposit Permit Volume Calculation Site Plan”, dated February 25, 2020.

“A Soil Assessment and Deposition Plan prepared by a Registered Professional”

Sections i. – ii.

WSP has produced a topographic map, titled “Type ‘C’ Soil Deposit Permit Volume Calculation Site Plan”, which details the proposed soils deposit area, slopes, final elevations, four cross sections, and current and proposed total fill volumes.

WSP has calculated the existing fill that has been deposited prior to this application. As no topographic survey was conducted preceding to the fill being placed, all elevations are inferred from surrounding grades along the toe of the existing fill. Under this assumption the **approximate existing fill volume is 24,000 m³**.

Based on our report dated November 19, 2019, Active Earth report dated February 2020, and discussions on site, the extent of the proposed soil deposit area was determined. Based on the required setbacks from property lines and slope grades, the **approximate net future proposed fill volume is 54,750 m³**.

Section iii.

At this time the schedule for placing soil within the proposed soil deposit is unknown. We understand the placement of soil will be carried out over the permit period of 5 years. In the event that the proposed fill volume is not completed in that period a renewal application will be submitted prior to the expiry of the current permit, as specified in Bylaw No.4236.

Section iv.

As stated in our previous letter of November 19, 2019, site access will be achieved from the existing driveway. An access road is recommended to be established to transport and place material at the toe of the proposed deposit site. All onsite traffic will be limited to the driveway and access road to minimize disturbance to the lot.

Sections v. – vi.

All potential site sources of soil will be required to follow a procedure for assessing the soil material and composition to ensure the soil is suitable for the land use from both a geotechnical and environmental standpoint. All soils accepted to site will need to adhere to the current Environmental Management Act and Schedule 1 of the Contaminated Site Regulation. The environmental aspects of soil will be reviewed by Cascadia. This will entail review of previous environmental assessment reports and monitoring of soil deposition. In conjunction with Cascadia, Ryzuk Geotechnical (Ryzuk) will review the source site location to estimate the nature of the soil and intermittently attend site to monitor during deposition.

The location of soil placement will be documented by the owner and will be monitored by both Ryzuk and Cascadia. Documentation of soil location will include tracking of individual truck slips from each site, area of placement, including elevation, recorded with a handheld GSP unit. All information related the source of soils will be kept on site including dates deposited, site address, truck slips, GPS coordinates, and volume of soil. Documentation will ensure general location and volume of material from specific sites can be tracked.

Section vii.

This portion of the application is detailed in our letter dated November 19, 2019.

“An Environmental Protection Plan prepared by a Registered Professional”

Section i.

This portion of the application is detailed in our letter dated November 19, 2019, Cascadia report dated March 5, 2020, and Active Earth report dated February 2020.

Section ii.

This portion of the application is detailed in Cascadia report dated March 5, 2020. It should be noted that no riparian areas, watercourses, or sensitive environmental features were identified in the above mentioned report.

Sections iii. – iv. minimizing soil onto public road, cleaning roads, dust

From discussion with the owner, we understand that a tractor with a plough attachment will be utilized to clear/clean the driveway, Stonecrest Way, and if required Goldstream Heights Drive, of any deleterious material associated with the proposed soil deposit. In conjunction with the tractor and plough a water tender will be employed to wash the Stonecrest Way and Goldstream Heights Drive when required. The water tender will also be used to control dust emissions associated with transportation and placement of soils.

Section v.

This portion of the application is detailed in our letter dated November 19, 2019, Cascadia report dated March 5, 2020, and Active Earth report dated February 2020



The intended plot size of this plan is 841mm in width by 594mm in height (ISO A1 size) when plotted at a scale of 1:500

All distances are in metres and decimals thereof.

LEGEND

- denotes culvert
- denotes hydro pole
- denotes hydro pole with pilaster
- denotes pole anchor
- denotes sewer manhole
- denotes top of bank
- denotes bottom of bank
- denotes edge of pavement
- denotes edge of gravel
- denotes building outline
- denotes spot elevation
- denotes tree line
- denotes property line
- denotes existing major contour
- denotes existing minor contour
- denotes proposed major contour
- denotes proposed minor contour

Legal Description: STRATA LOT 6 BLOCK 361 MALAHAT DISTRICT STRATA PLAN EPS21 TOGETHER WITH AN INTEREST IN THE COMMON PROPERTY IN PROPORTION TO THE UNIT ENTITLEMENT OF THE STRATA LOT AS SHOWN ON FORM V

PID: 027-675-190

Date of Field Survey: December 12, 2019.

Contours shown are existing and proposed final contours

Contour interval = 1m

Elevations are to geodetic datum.

Vertical Datum CGVD28 (HTV2.0).

Lot boundaries shown hereon are derived from ties to existing survey evidence and Land Title Office records. Lot boundaries are subject to change upon legal survey.

This plan represents the best information available at the time of survey. WSP Surveys (BC) Limited Partnership and its employees take no responsibility for the location of any underground conduits, pipes, or other facilities whether shown on or omitted from this plan. All underground installations should be located by the respective authorities prior to construction.

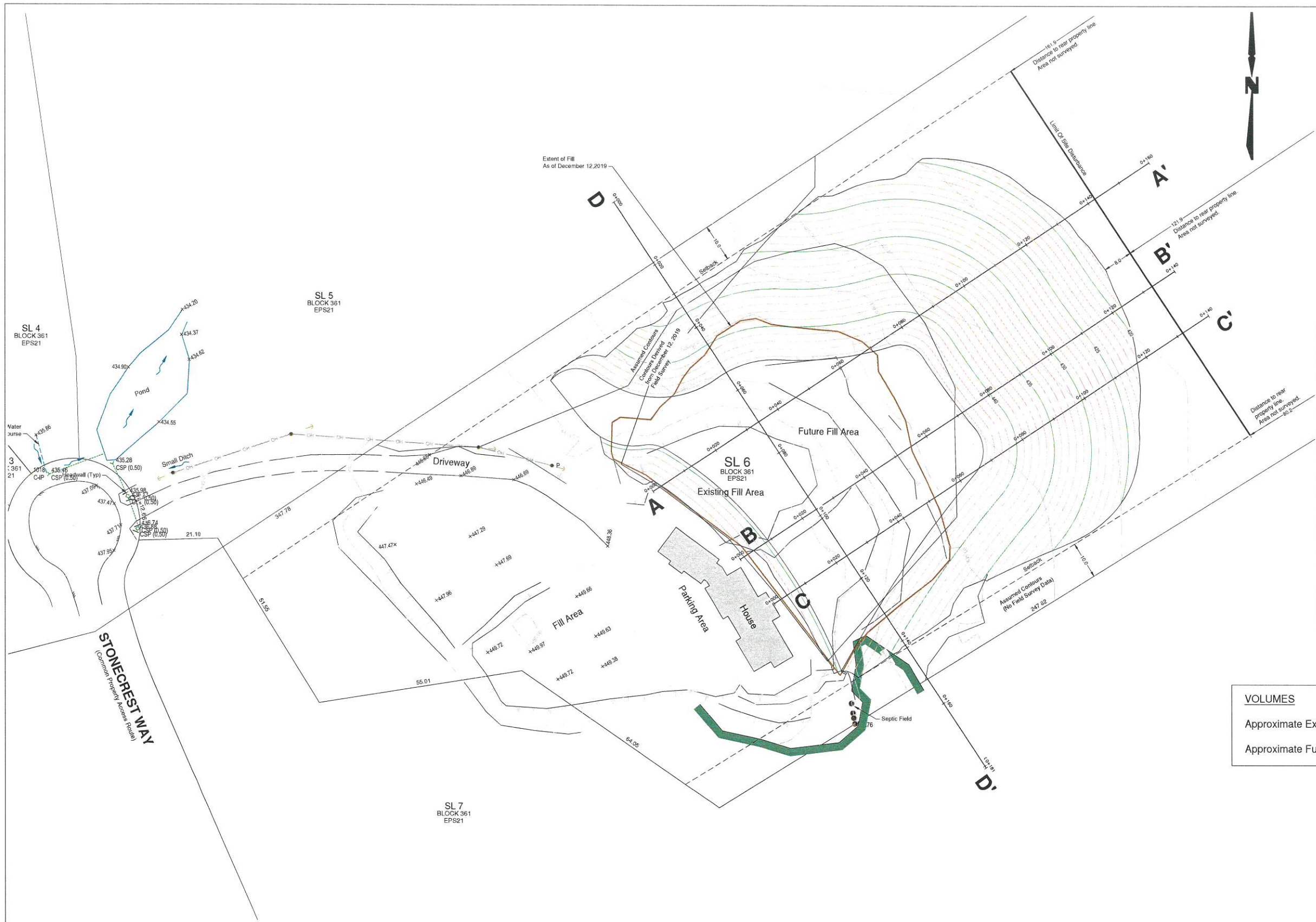
Title subject to:

- | | |
|-----------|---------------------------|
| 216159G | Right of Way |
| CA2642913 | Right of Way |
| EX25550 | Statutory Right of Way |
| EX25552 | Statutory Right of Way |
| FB182131 | Statutory Right of Way |
| FB182132 | Statutory Right of Way |
| FB212951 | Covenant |
| CA1060110 | Statutory Building Scheme |

VOLUMES

Approximate Existing Fill 24,000m³

Approximate Future Proposed Fill (NET) 54,750m³



1

0

2020-02-25

2020-02-13

ADDED LIMIT OF SITE DISTURBANCE, CROSS SECTION FILL HATCHING

ISSUED TO CLIENT

BKS

BKS

HC

MLE

DESCRIPTION

DRN

CHK

CLIENT:

D&H Excavating

WSP

Canada Inc.

301-3600 Uptown Boulevard,

Victoria, BC V8Z 0B9

t. 250-384-5510 www.wsp.com

CLIENT REF. NO.

PROJECT:

1160 Stonecrest Way

PROJECT NO

191-14479-G0

SCALE:

As-Noted

DISCIPLINE

GEOMATICS

TITLE:

Type 'C' Soil Deposit Permit
Volume Calculation Site Plan

DRAWING NO:

191-14479-G0-SSDSI001-R1

SHEET NO:

1 OF 2