

April 28, 2017

Greg Keller
Regional District of Nanaimo
6300 Hammond Bay Road
Nanaimo, BC V9A 2G9

Dear Greg,

**RE: Schooner Cove DPA III
3521 Dolphin Drive, Fairwinds Landing**

RJC No. VIC.113554.0003

At the request of Leo Mariotto, RJC is providing a summary of how we intend to stabilize the slope and retain the soil at the Fairwinds Landing Development, 3521 Dolphin Drive, Nanoose Bay, BC.

Hazardous conditions require that the development be protected, and is applicable to lands within the plan area with a natural grade greater than 30 percent as identified in SSK-02 (Schedule A7). Natural grades exceeding 30 percent exist at the south-east corner of the existing structure that is to be renovated as part of the Schooner Cove Phase 1SC development permit application.

In order to stabilize the existing Hazardous conditions identified on schedule A7 our proposal is to re-grade the slope and retain the soils at the Fairwinds Landing Schooner Cove Phase 1SC by installing reinforced concrete retaining walls. These new walls would allow for backfill up to the main floor on the south-east corner of the existing structure and new retaining walls with some re-grading around the existing pool. The concrete reinforced retaining walls we be designed to meet the design forces and recommendations of the Geotechnical report prepared by EXP Services Inc. on May 25, 2016

I hope this letter fulfills all of your requirements. Please contact me if you have any questions.

Yours truly,

READ JONES CHRISTOFFERSEN LTD.

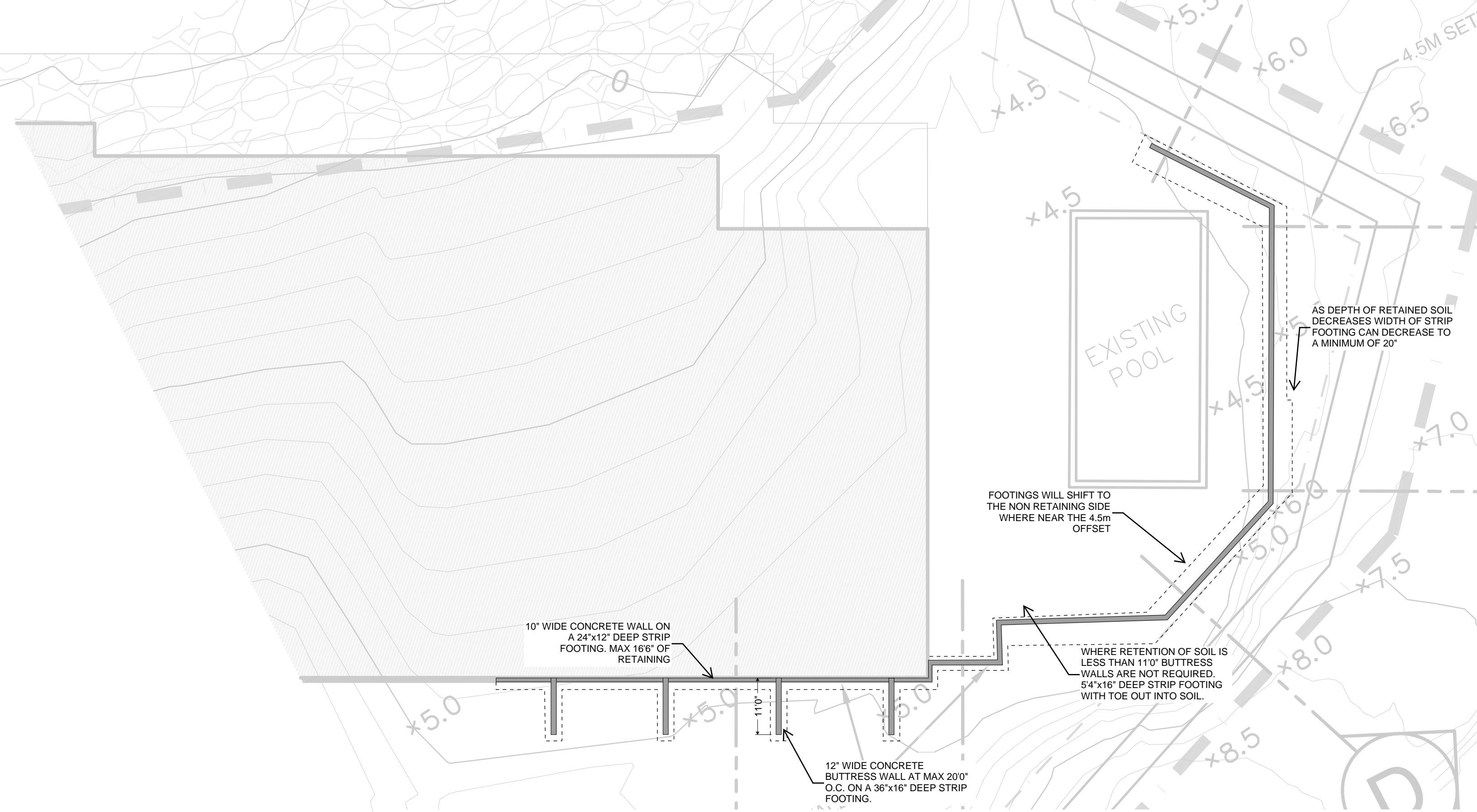
Prepared By:

Aaron Post, P.Eng
Design Engineer



AP/dd

Attachments: Retaining Walls (SSK-01) Schedule A7 (SSK-02)



10" WIDE CONCRETE WALL ON
A 24"x12" DEEP STRIP
FOOTING. MAX 16'6" OF
RETAINING

12" WIDE CONCRETE
BUTTRESS WALL AT MAX 20'0"
O.C. ON A 36"x16" DEEP STRIP
FOOTING.

WHERE RETENTION OF SOIL IS
LESS THAN 11'0" BUTTRESS
WALLS ARE NOT REQUIRED.
5'4"x16" DEEP STRIP FOOTING
WITH TOE OUT INTO SOIL.

FOOTINGS WILL SHIFT TO
THE NON RETAINING SIDE
WHERE NEAR THE 4.5m
OFFSET

AS DEPTH OF RETAINED SOIL
DECREASES WIDTH OF STRIP
FOOTING CAN DECREASE TO
A MINIMUM OF 20"

EXISTING
POOL



Project Name
Fairwinds Landing
3521 Dolphin Drive, Nanoose Bay, B.C.
Sketch Title
Retaining Walls


Dwg. Ref. **N/A**
Scale **1:100**
Date **2017/04/28**
Project No. **VIC.113554.003**
Sketch Number
SSK-01





Rev.

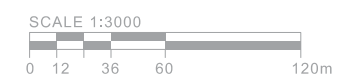
Schedule A7
DEVELOPMENT
PERMIT AREAS

FEBRUARY 2011

LEGEND

-  Schooner Cove Neighbourhood Plan Area

-  DPA I: Form and Character
-  DPA II: Environmentally Sensitive Development
-  DPA IV : Energy Conservation, Water Conservation and the Reduction of Greenhouse Gasses
-  DPA III: Hazardous Conditions (Slope >30%)



Project Name
Fairwinds Landing
3521 Dolphin Drive, Nanoose Bay, B.C.
Sketch Title
SCHEDULE A7

Dwg. Ref. **N/A**
Scale **1:100**
Date **2017/04/28**
Project No. **VIC.113554.003**
Sketch Number
SSK-02

Rev.