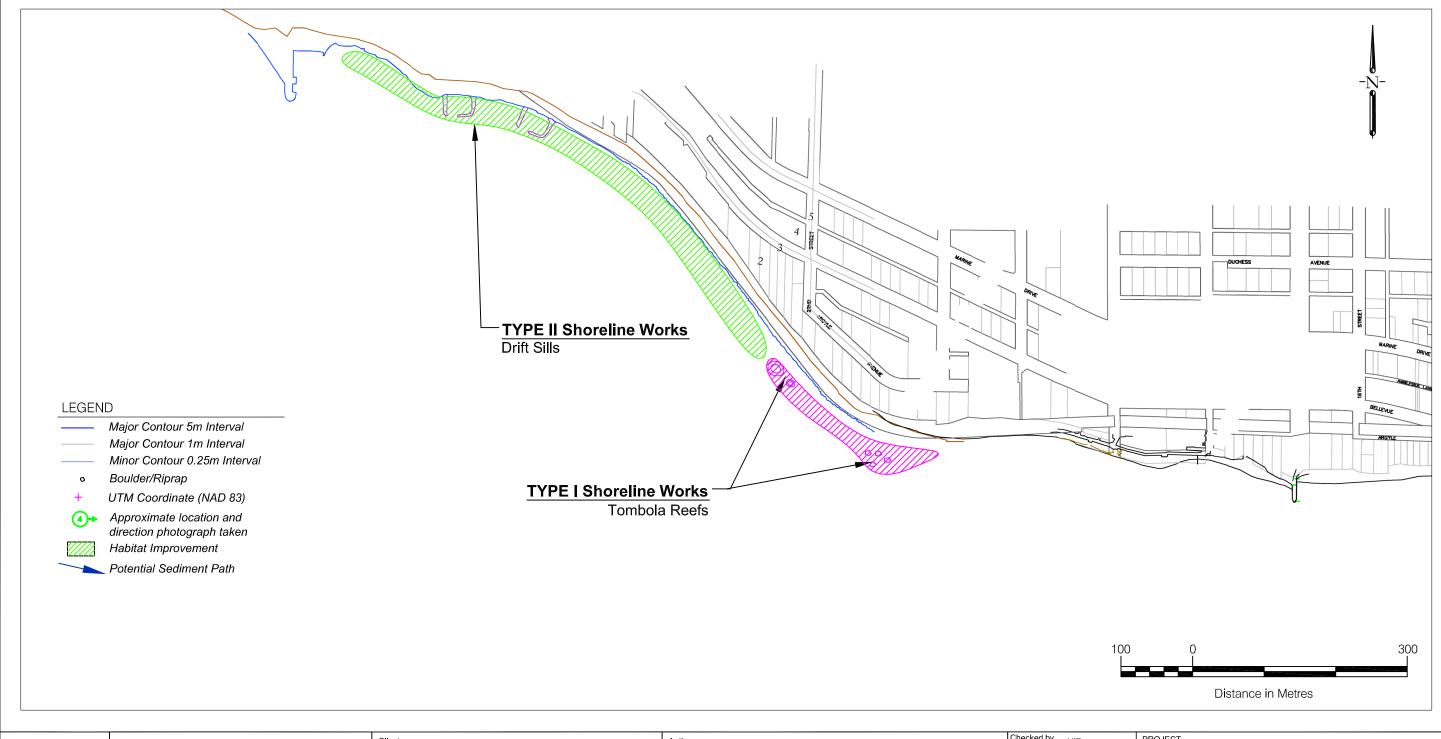
# APPENDIX D Future Project Drawings

## WEST VANCOUVER SHORELINE PRESERVATION PHASE 2 PILOT PROJECT LOCATION LAYOUT



		Client
		110004 110010 00111101
		west vancouver
		THE WATERFRONT COMMUNITY
Ref. No.	REFERENCE	

FORESHORE Technologies Inc.

118 Garden Ave. North Vancouver, B.C. CANADA V7P 3H2 Tel: 604.983.3111 Fax: 604.983.3454

Checked by	XIE	F
Drawn by	DB	
Date	Dec. 12, 2007	
Scale	AS NOTED	
Inspectors	WA/XIE/DC	
Paper	11 x 17	۱ ر

PHASE 2 PILOT PROJECTS LOCATION LAYOUT WEST VANCOUVER, BRITISH COLUMBIA

DWG. No. 2949-Y2-01A-R2

### WEST VANCOUVER SHORELINE PRESERVATION PHASE 2 PILOT PROJECT PROPOSALS

### PROJECT DESCRIPTION

The purpose of these works is to improve the shoreline profile and sediment erosion from wave action. This is achieved by introducing a variety of rock mound structures that appropriately direct sediment flow and accretion in order to create naturally occuring accretion zones that will encourage longterm stability of the shoreline, disrupt incident wave action and improve habitat value.

Two mechanism types are shown that work in different ways to control littoral sediment transport. Type I illustrates the use of two 'tombola' reef structures to broaden the surf zone by triggering waves to break. This disruption reduces the concentration of wave energy against the rip rap and allows for a more effective sediment accretion zone in the area around these structures. Type II shows how rock drift sills can be employed in tandem to catch sediment flow in two steps while still allowing a portion to accumulate on the far side of each sill.

#### LEGEND

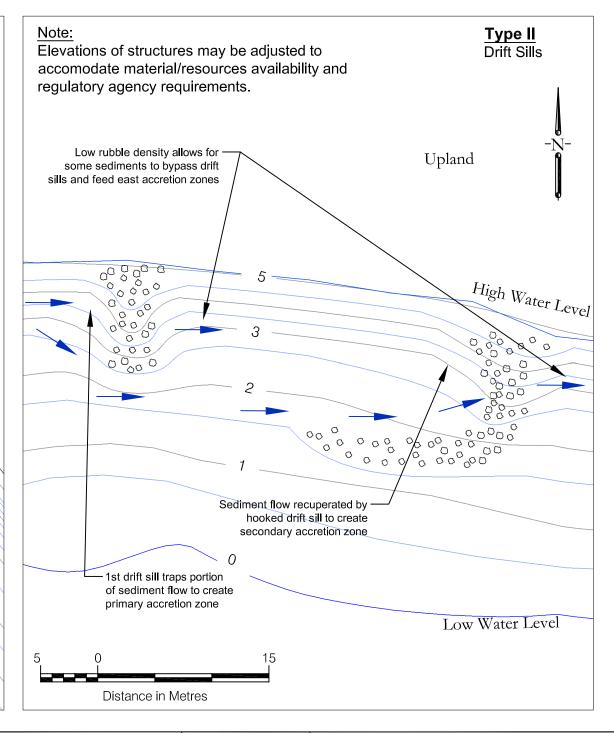
Major Contour 5m Interval
 Major Contour 1m Interval
 Minor Contour 0.25m Interval

Boulder/Riprap

UTM Coordinate (NAD 83)

Approximate location and direction photograph taken

Tombola Reefs Tombola · Sediment flow rate decreased through narrow passage between tombolas. Accretion zones created on both sides of tombolas. Distance in Metres



		Client
		west
		, , , , , ,
		THE WAT
Ref. No.	REFERENCE	

west vancouver
THE WATERFRONT COMMUNITY

FORESHORE Technologies Inc.

Type I

118 Garden Ave.
North Vancouver, B.C.
CANADA V7P 3H2 Tel: 604.983.3111 Fax: 604.983.3454

hecked by	XIE	PROJECT	
rawn by	DB		PHASE 2 PILOT PROJECTS
ate	Dec. 12, 2007	TYPES I & II	WEST VANCOUVER.
cale	AS NOTED		BRITISH COLUMBIA
spectors	WA/XIE/DC		

DWG. No.

2949-Y2-01B-R2

11 x 17

### WEST VANCOUVER SHORELINE PRESERVATION PHASE 2 MAJOR CAPITAL PROJECTS - EAST LAYOUT



Ref. No.	REFERENCE

west vancouver THE WATERFRONT COMMUNITY

Client

**FORESHORE** Technologies Inc.

118 Garden Ave. North Vancouver, B.C. CANADA V7P 3H2 Tel: 604.983.3111 Fax: 604.983.3454

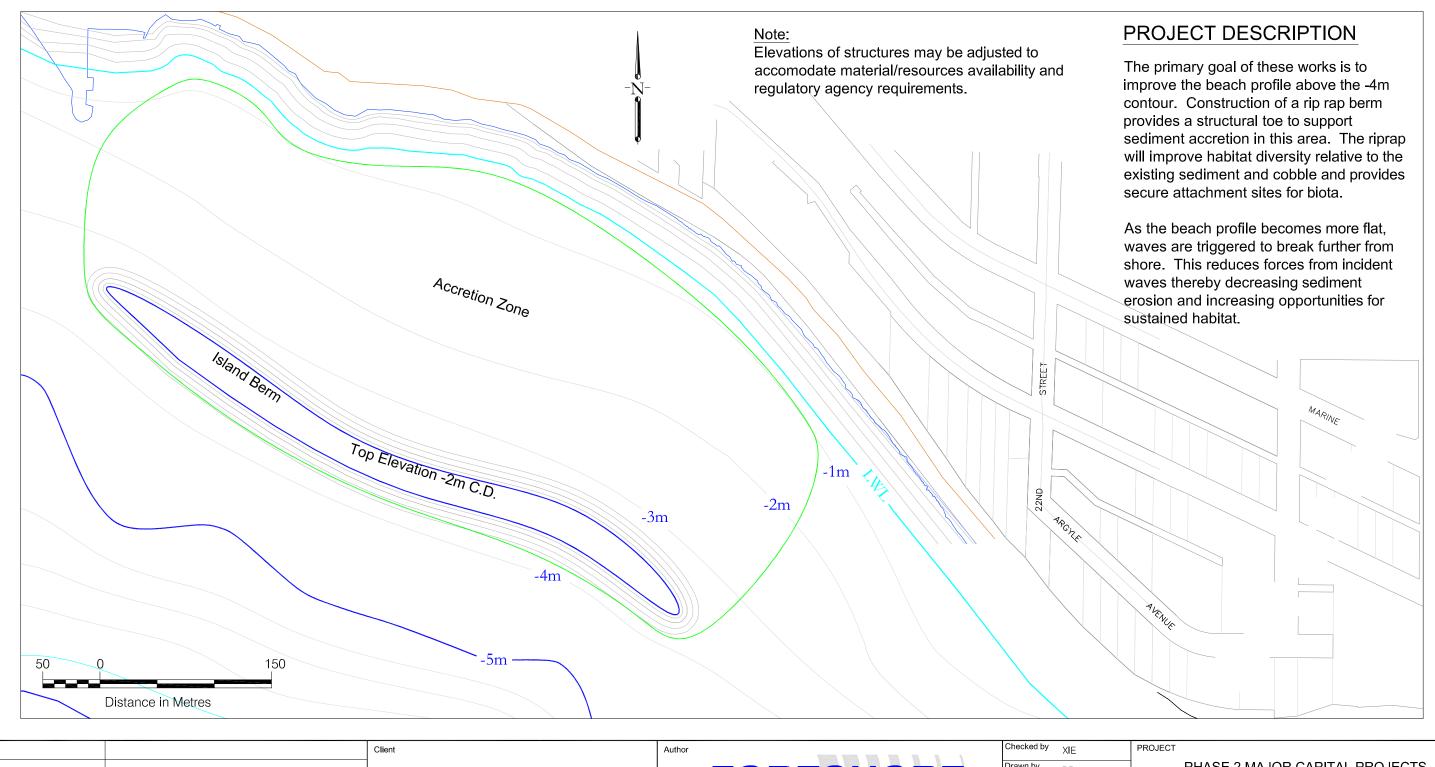
	Checked by	XIE
	Drawn by	DB
	Date	Dec. 12, 2007
	Scale	AS NOTED
	Inspectors	WA/XIE/DC

11 x 17

PHASE 2 MAJOR CAPITAL PROJECTS EAST LOCATION LAYOUT WEST VANCOUVER, **BRITISH COLUMBIA** 

2949-Y2-02B-R2 DWG. No.

### WEST VANCOUVER SHORELINE PRESERVATION PHASE 2 MAJOR CAPITAL PROJECTS - WEST LAYOUT



Ref. No. REFERENCE

West vancouver

THE WATERFRONT COMMUNITY

FORESHORE
Technologies Inc.

118 Garden Ave. North Vancouver, B.C. CANADA V7P 3H2 Tel: 604.983.3111 Fax: 604.983.3454 PHASE 2 MAJOR CAPITAL PROJECTS WEST LOCATION LAYOUT WEST VANCOUVER, BRITISH COLUMBIA

DWG. No. 2949-Y2-02A-R2

# LEGEND Depth Contour (metres Chart Datum) Option 1 Footprint Option 2 Footprint Option 3 Footprint

Ocean Loop Installation Area

### DRAWING NOTES

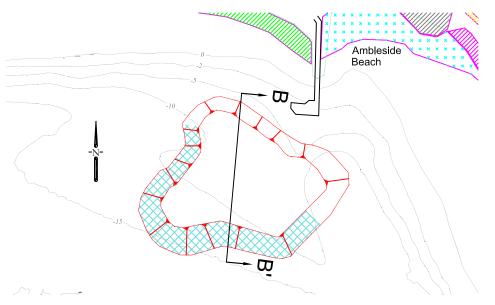
- Not an As-Built drawing. Not for construction.
- Estimated volumes and areas for conceptual discussion purposes only.
- Contours provided by Canadian Hydrographic Service (CHS).
- All dimensions are in metres.

■ The information, including bathymetric and survey data, presented on the drawings may vary from current conditions due to the passage of time or seasonal changes.

**OPTION 3: OCEAN LOOP BASE** 

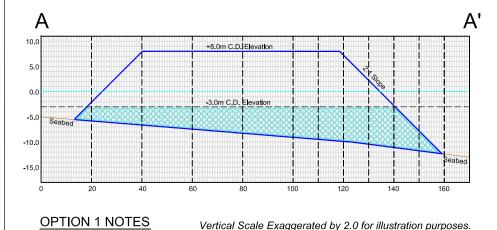
# OPTION 1: SKYE ISLAND Ambleside Beach Ambleside Ambleside Beach

### OPTION 2: SKYE ISLAND (BELOW -3m C.D.)

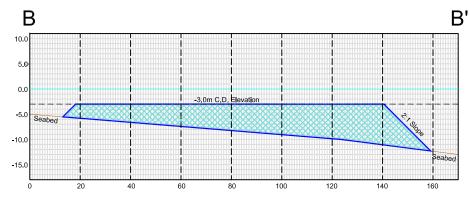


# -10

### **OPTION 1: SECTION VIEW**



### **OPTION 2: SECTION VIEW**



### OPTION 2 NOTES

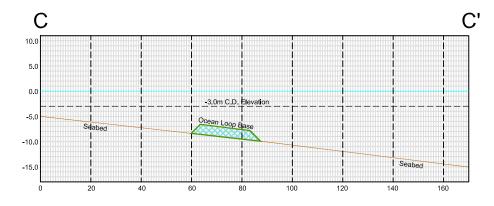
Vertical Scale Exaggerated by 2.0 for illustration purposes.

Overall Volume: 137,000 m3 Footprint Area: 25,950 m2

Oceanloop Area (Below -3m CD): 5,100 m2

Author

### **OPTION 3: SECTION VIEW**



#### **OPTION 3 NOTES**

Vertical Scale Exaggerated by 2.0 for illustration purposes.

Overall Volume: 10,200 m3 (Filter Material)

Footprint Area: 5,100 m2

Oceanloop Area (Below -3m CD): 5,100 m2

Overall Volume: 278,000 m3 Footprint Area: 25,950 m2 Buildable Area: 4,470 m2

Oceanloop Area (Below -3m CD): 5,100 m2

Ref. No. REFERENCE





Checked by	SC	PROJECT
Drawn by	DB	oc
Date	Dec. 18, 2009	HA We
Scale	AS SHOWN	BR
Inspectors	N/A	
Paper	11 x 17	DWG. No

OCEAN LOOP OPPORTUNITES ASSOCIATED WITH HABITAT ENHANCEMENT AND SHORELINE PROTECTION WEST VANCOUVER, BRITISH COLUMBIA

DWG. No. 5209-50-R1