

SITE OBSERVATION FORM: DNV Landslide Risk Assessment
LOCATION: 1383 Lennox Street
INSPECTION DATE: (mm/dd/yy) 11/03/05
WEATHER: Heavy rain, heavy rain for several days prior to visit.



BGC ENGINEERING INC.
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500 - 1045 Howe Street
 Vancouver, BC
 Canada V6Z 2A9

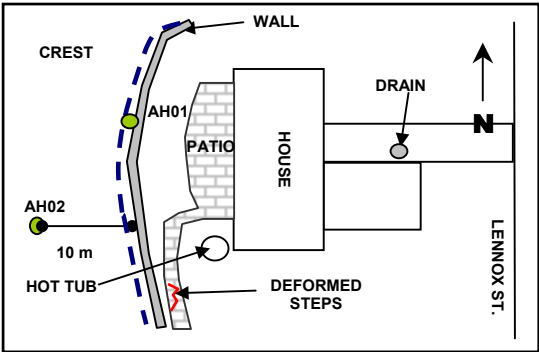
THICKNESS OF LOOSE MATERIALS	<1 m	1-2 m	2-3 m	>3 m
FENCE LINE		<input checked="" type="checkbox"/>		
10 m DOWNSLOPE FROM SLOPE CREST			<input checked="" type="checkbox"/>	

SLOPE BELOW FENCE/ RETAINING STRUCTURE	SLOPE = 38°		
	CRACKS	SLIDES	EROSION
OBSERVATIONS: Evidence of minor soil erosion around trees.			<input checked="" type="checkbox"/>

TREES BELOW FENCE/ RETAINING STRUCTURE	STRAIGHT	PISTOL-BUTT	LEANING
PERCENT CONIFER: 60%	<input checked="" type="checkbox"/>		
OBSERVATIONS: No evidence of leaning trees. Top portion of slope has been cleared of trees. Conifers down slope have been partially de-limbed.			

RETAINING STRUCTURES	YES <input checked="" type="checkbox"/>	NO	HEIGHT= 0.45 m
TYPE	BLOCKS	CONCRETE	TIMBER CRIB
			OTHER: Landscaping ties <input checked="" type="checkbox"/>
DEFORMATION	UNDEFORMED	CRACKED	SETTLED
	<input checked="" type="checkbox"/>		BULGING
OBSERVATIONS: 3-4 horizontal landscape ties high.			

DEFORMATION IN BACKYARD	YES <input checked="" type="checkbox"/>	NO
LOCATION: Patio steps, 4 m from southwest corner of house		
DESCRIPTION: Patio steps tilted and separated in down slope direction.		



POOLS	YES <input checked="" type="checkbox"/>	NO
DESCRIPTION: Hot tub at southwest corner of house.		

SEEPAGE/ SPRINGS IN OR BELOW FILL	YES	NO <input checked="" type="checkbox"/>
OBSERVATIONS: None observed.		

HOUSE DISTANCE TO CREST = 4 m

RECEIVES SURFACE RUNOFF FROM	BACKYARD	½ ROOF	FULL ROOF	FRONT YARD	STREET
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
OBSERVATIONS: Large drain in driveway near garage.					

CONNECTED TO STORM SEWER	YES	NO	UNSURE <input checked="" type="checkbox"/>
OWNERS COMMENTS: Unsure if large drain in driveway is connected to sewer system.			

GENERAL OBSERVATIONS

- Long driveway.
- Sprinkler system in backyard



Figure 1. 1383 Lennox Street – Front of the house



Figure 2. 1383 Lennox Street – Slight deformation in steps



Figure 3. 1383 Lennox Street – View of backyard looking SW

Project : DNV Landslide Risk Assessment

Project No. : 0404-002-01

Location : 1383 Lennox
Drill Method : Dutch Hand Auger
Inspection Date : 03 Nov 05
Logged by : MB/ES/SF/JB
Reviewed by : MJP

Depth (m)	Lithologic Description	Depth To Water Table	Depth (m)	Lithologic Description	Depth To Water Table
	<p>AUGERHOLE: BGC05-1383LEN-AH01 on Slope Crest FINAL DEPTH OF AUGERHOLE: 1.75 m THICKNESS OF LOOSE MATERIALS: 1.40 m</p>			<p>AUGERHOLE: BGC05-1383LEN-AH02 10 m Downslope FINAL DEPTH OF AUGERHOLE: 2.20 m THICKNESS OF LOOSE MATERIALS: 2.20 m</p>	
0.0	SAND (SM) Silty, trace fine gravel, poorly graded, loose, max particle size = 4 mm, sub-rounded, dark brown, organic odour, moist, homogeneous, no cementation, trace charcoal and rootlets [TOPSOIL]		0.0	SAND (SP) and SILT (ML) Trace fine to medium gravel, poorly graded sand, low plastic silt, loose, max particle size = 20 mm, sub-rounded, dark brown, no odour, moist, homogeneous, no cementation, trace rootlets [TOPSOIL]	
0.5	SAND (SP) Fine to medium sand, some silt, trace gravel sized sand clasts, poorly graded, loose, brown, no odour, moist, homogeneous, no cementation, trace rootlets [FILL]		0.5	SAND (SP) Trace silt, trace fine gravel, poorly graded, loose, max particle size = 3 mm, sub-rounded, brown, no odour, moist, homogeneous, no cementation [FILL]	
1.0	SAND (SP) Fine to medium sand, trace to some silt, gravel sized clasts of sand, poorly graded, loose, grey brown with trace orange mottling, homogeneous, no cementation [FILL / COLLUVIUM]		1.0	SAND (SP) Fine to medium sand, trace silt, trace fine gravel, poorly graded, loose, max particle size = 3 mm, sub-rounded, light brown with orange mottling, no odour, moist, homogeneous, no cementation [FILL] 1.00 m: Material density increases to 'compact'. 1.10 m: ORGANICS layer with ash	
1.5	1.40 m: Material density increases to 'compact'. Material colour becomes light grey, sand clasts and mottling are absent. 1.50 m: Material becomes 'wet'.	▼	1.5	SAND (SP) Fine to medium sand, trace silt, trace gravel, gravel sized silt clasts, poorly graded, loose to compact, max particle size = 20 mm, sub-rounded, light brown to grey with orange mottling, no odour, moist, homogeneous, no cementation [COLLUVIUM]	
2.0	1.75 m: EOH - Refusal as material is too dense to auger through.		2.0		
2.5			2.5		
3.0			3.0	2.20 m: EOH - Refusal as material is too stiff to auger through.	

BGC05-1383LEN-AH01

SITE OBSERVATION FORM: DNV Landslide Risk Assessment
LOCATION: 1425 Lennox Street
INSPECTION DATE: (mm/dd/yy) 11/03/05
WEATHER: Heavy rain, heavy rain for several days prior to visit.



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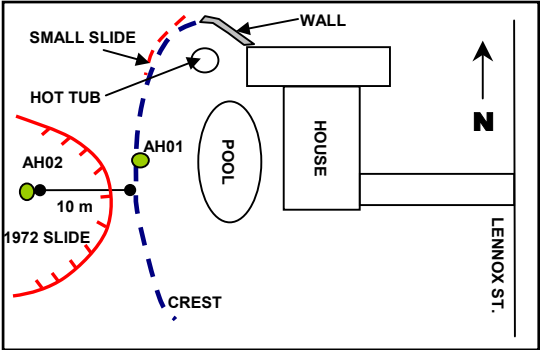
THICKNESS OF LOOSE MATERIALS	<1 m	1-2 m	2-3 m	>3 m
FENCE LINE		<input checked="" type="checkbox"/>		
10 m DOWNSLOPE FROM SLOPE CREST		<input checked="" type="checkbox"/>		

SLOPE BELOW FENCE/ RETAINING STRUCTURE	SLOPE = 42°		
	CRACKS	SLIDES	EROSION
		<input checked="" type="checkbox"/>	
OBSERVATIONS: Evidence of a small recent slide at the north end of the property at the crest. Evidence of 1972 slide downslope from crest.			

TREES BELOW FENCE/ RETAINING STRUCTURE	STRAIGHT	PISTOL-BUTT	LEANING
PERCENT CONIFER: 60%	<input checked="" type="checkbox"/>		
OBSERVATIONS: No evidence of leaning trees.			

RETAINING STRUCTURES	YES <input checked="" type="checkbox"/>	NO	HEIGHT= 1.80 m
TYPE	BLOCKS	CONCRETE	TIMBER CRIB
DEFORMATION	UNDEFORMED	CRACKED	SETTLED
OBSERVATIONS: In two terraces, 1.80 is total height.			

DEFORMATION IN BACKYARD	YES <input checked="" type="checkbox"/>	NO
LOCATION: Around pool, 2 m from crest.		
DESCRIPTION: Deck around pool tilted and settled		



POOLS	YES <input checked="" type="checkbox"/>	NO
DESCRIPTION: Pool and hot tub. Hot tub appears to be settling.		

SEEPAGE/ SPRINGS IN OR BELOW FILL	YES	NO <input checked="" type="checkbox"/>
OBSERVATIONS: Unable to determine due to heavily vegetated slope.		

HOUSE DISTANCE TO CREST = 8.2 m

RECEIVES SURFACE RUNOFF FROM	BACKYARD	½ ROOF	FULL ROOF	FRONT YARD	STREET
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
OBSERVATIONS: Slope is a long distance from street.					

CONNECTED TO STORM SEWER	YES <input checked="" type="checkbox"/>	NO	UNSURE
OWNERS COMMENTS: DNV reports that this property is connected to the storm sewer.			

GENERAL OBSERVATIONS

- Long gravel driveway.
- Site of old slide below lot. Alders in gully.
- Compost dumped over slope crest.



Figure 1. 1425 Lennox Street – Front of the house



Figure 2. 1425 Lennox Street – View down-slope from crest



Figure 3. 1425 Lennox Street – Settlement of concrete panels around swimming pool



Figure 4. 1425 Lennox Street – Exit of drainage at slope crest

INSPECTION LOCATION # 1425 Lennox

Project : DNV Landslide Risk Assessment

Project No. : 0404-002-01

Location : 1425 Lennox
Drill Method : Dutch Hand Auger
Inspection Date : 03 Nov 05
Logged by : MB/ES
Reviewed by : MJP

Depth (m)	Lithologic Description	Depth To Water Table	Depth (m)	Lithologic Description	Depth To Water Table
	<p>AUGERHOLE: BGC05-1425LEN-AH01 on Slope Crest FINAL DEPTH OF AUGERHOLE: 1.30 m THICKNESS OF LOOSE MATERIALS: 1.20 m</p>			<p>AUGERHOLE: BGC05-1425LEN-AH02 10 m Downslope FINAL DEPTH OF AUGERHOLE: 1.40 m THICKNESS OF LOOSE MATERIALS: 1.40 m</p>	
0.0	<p>SAND (SM) Mainly fine to medium sand, silty, poorly graded, loose, max particle size = 1 mm, dark brown, no odour, moist, homogeneous, no cementation, trace rootlets [TOPSOIL]</p>		0.0	<p>SAND (SM) Fine to medium sand, silty, poorly graded, loose, max particle size = 1 mm, dark brown, no odour, moist, homogeneous, no cementation, trace rootlets [TOPSOIL]</p>	
0.5	<p>SAND (SP) Fine to medium sand, trace coarse sand, trace silt, trace fine gravel, loose, max particle size = 5 mm, grey to light brown, no odour, moist, homogeneous, no cementation [FILL]</p>		0.5	<p>SAND (SP) Fine to medium sand, some silt, trace gravel, poorly graded, loose, max particle size = 4 mm, brown to light brown, no odour, moist, homogeneous, no cementation, trace roots [FILL]</p>	
1.0	<p>SAND (SP) Mainly fine to medium sand, some silt, gravel sized silt clasts, some silt clasts are hard while others are soft and show red mottling, poorly graded, loose, max particle size = 1 mm, grey with red mottling, moist, homogeneous, no cementation [FILL]</p>		1.0	<p>SAND (SW) Fine to coarse sand, some silt, trace fine to medium gravel, loose to compact, max particle size = 20 mm, light brown with orange mottling, no odour, moist, homogeneous, no cementation, trace roots [COLLUVIUM]</p>	
1.5	<p>SILT (ML) Sandy (mainly fine sand, some medium sand), low plastic, firm to stiff, grey with orange mottling, no odour, moist, homogeneous, no dilatancy [Weathered GLACIOMARINE]</p>		1.5	<p>1.40 m: EOH - Refusal as material is too stiff to auger through. No water table encountered</p>	
2.0	<p>1.30 m: EOH - Refusal as material is too stiff to auger through. No water table encountered</p>		2.0		
2.5			2.5		
3.0			3.0		

BGC05-1425LEN-AH01

SITE OBSERVATION FORM: DNV Landslide Risk Assessment
LOCATION: 1477 Lennox Street
INSPECTION DATE: (mm/dd/yy) 11/03/05
WEATHER: Raining, heavy rain for several days prior to visit.



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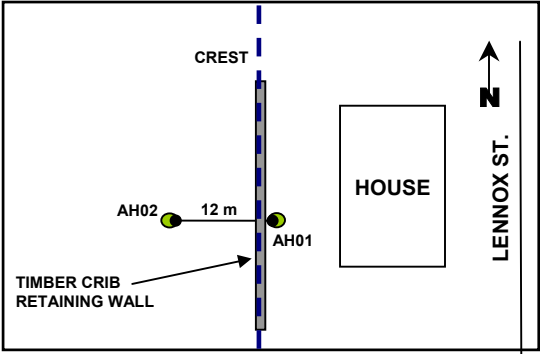
THICKNESS OF LOOSE MATERIALS	<1 m	1-2 m	2-3 m	>3 m
CRESTLINE			<input checked="" type="checkbox"/>	
12 m DOWNSLOPE FROM SLOPE CREST		<input checked="" type="checkbox"/>		

SLOPE BELOW FENCE/ RETAINING STRUCTURE	SLOPE = 33°		
	CRACKS	SLIDES	EROSION
			<input checked="" type="checkbox"/>
OBSERVATIONS: Surficial erosion at base of retaining wall. Scattered surficial erosion on slope.			

TREES BELOW FENCE/ RETAINING STRUCTURE	STRAIGHT	PISTOL-BUTT	LEANING
PERCENT CONIFER: <50%	<input checked="" type="checkbox"/>		
OBSERVATIONS: Some swayed trees			

RETAINING STRUCTURES	YES <input checked="" type="checkbox"/>	NO	HEIGHT = 1.50 - 2.85 m
TYPE	BLOCKS	CONCRETE	TIMBER CRIB
DEFORMATION	UNDEFORMED <input checked="" type="checkbox"/>	CRACKED	SETTLED
OBSERVATIONS: Timber crib is in good condition. Crib consists of two steps: 1.35m and 1.5m high.			

DEFORMATION IN BACKYARD	YES	NO <input checked="" type="checkbox"/>
LOCATION:		
DESCRIPTION:	Minor settlement behind retaining wall.	



HOUSE DISTANCE TO CREST = 7.25 m

POOLS	YES	NO <input checked="" type="checkbox"/>
DESCRIPTION:	None observed.	

SEEPAGE/ SPRINGS IN OR BELOW FILL	YES	NO <input checked="" type="checkbox"/>
OBSERVATIONS:	None observed	

RECEIVES SURFACE RUNOFF FROM	BACKYARD	½ ROOF	FULL ROOF	FRONT YARD	STREET
	<input checked="" type="checkbox"/>				
OBSERVATIONS:					

CONNECTED TO STORM SEWER	YES	NO <input checked="" type="checkbox"/>	UNSURE
OWNERS COMMENTS: Driveway drain runs between 1477 and 1479 Lennox Street collecting water from both driveways. Water in drain flows toward the slope, however no drain exit observed on the slopes behind 1479 and 1477 Lennox. (Drain is suspected to be connected to storm sewer.) DNV reports that 1477 is not connected to the storm sewer and that 1479 is connected.			

GENERAL OBSERVATIONS

- Larger lot was subdivided to add two new addresses: 1479 and 1477 Lennox Street



Figure 1. 1477 Lennox Street – Front of the house



Figure 2. 1477 Lennox Street – View looking south along fenceline



Figure 3. 1477 Lennox Street – View of backyard looking NW



Figure 4. 1477 Lennox Street – Timber crib retaining wall

INSPECTION LOCATION # 1477 Lennox

Project : DNV Landslide Risk Assessment

Project No. : 0404-002-01

Location : 1477 Lennox
Drill Method : Dutch Hand Auger
Inspection Date : 03 Nov 05
Logged by : SF/JB
Reviewed by : MJP

Depth (m)	Lithologic Description	Depth To Water Table	Depth (m)	Lithologic Description	Depth To Water Table
	<p>AUGERHOLE: BGC05-1477LEN-AH01 7 m from House FINAL DEPTH OF AUGERHOLE: 2.95 m THICKNESS OF LOOSE MATERIALS: 2.95 m</p>			<p>AUGERHOLE: BGC05-1477LEN-AH02 12 m Downslope FINAL DEPTH OF AUGERHOLE: 1.35 m THICKNESS OF LOOSE MATERIALS: 1.35 m minimum</p>	
0.0	SILT (ML) Trace sand, non plastic, wet, organic material, homogeneous [TOPSOIL]		0.0	Dark brown sand and silt [TOPSOIL]	
0.5	SAND (SP) Fine to medium sand with trace coarse sand, trace fine to medium gravel, sub-angular to sub-rounded, poorly graded, loose to very loose, brown, moist, homogeneous [FILL]		0.5	SAND (SP) Fine to medium sand, trace fine gravel, poorly graded, loose, max particle size = 8 mm, sub-angular, brown, moist to wet, homogeneous, trace organics [FILL]	
1.0	SILT (ML) Trace clay clasts, non plastic, moist, homogeneous, organic [FILL]		1.0	0.80 m: Becomes denser	
1.5	SAND (SP) Fine to medium sand with trace coarse sand, trace fine to medium gravel, sub-angular to sub-rounded, poorly graded, loose to very loose, brown, moist, homogeneous [FILL]		1.5	SAND (SP) Fine to medium sand, silty, trace fine gravel, loose to compact, light grey, no odour, wet, homogeneous, trace organics [COLLUVIUM]	
2.0	1.55 m: Organic lense 5 cm thick		2.0	1.35 m: EOH Refusal on gravel clasts, two holes attempted	
2.5	SAND (SP) Fine to medium sand, poorly graded, loose to compact, light brownish grey with orange mottling, moist, homogeneous [FILL / COLLUVIUM]		2.5		
3.0	2.95 m: EOH Refusal in compact material No groundwater encountered		3.0		

BGC05-1477LEN-AH01

SITE OBSERVATION FORM: DNV Landslide Risk Assessment
LOCATION: 1479 Lennox Street
INSPECTION DATE: (mm/dd/yy) 11/03/05
WEATHER: Raining, heavy rain for several days prior to visit.



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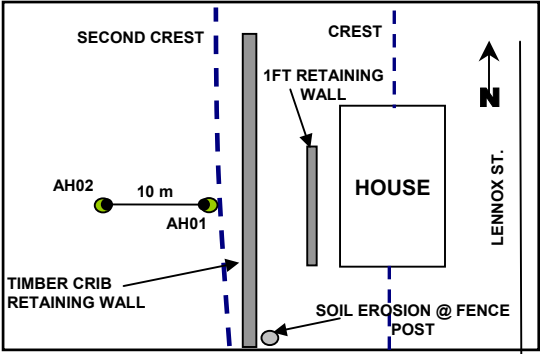
THICKNESS OF LOOSE MATERIALS	<1 m	1-2 m	2-3 m	>3 m
CRESTLINE		<input checked="" type="checkbox"/>		
10 m DOWNSLOPE FROM SLOPE CREST		<input checked="" type="checkbox"/>		

SLOPE BELOW FENCE/ RETAINING STRUCTURE	SLOPE = 37°		
	CRACKS	SLIDES	EROSION
			<input checked="" type="checkbox"/>
OBSERVATIONS: Minor surficial slumping on slope. Soil erosion occurring around fence post on south side of property.			

TREES BELOW FENCE/ RETAINING STRUCTURE	STRAIGHT	PISTOL-BUTT	LEANING
PERCENT CONIFER: 30-50%	<input checked="" type="checkbox"/>		
OBSERVATIONS:			

RETAINING STRUCTURES	YES <input checked="" type="checkbox"/>	NO	HEIGHT = 2 m
TYPE	BLOCKS	CONCRETE	TIMBER CRIB
DEFORMATION	UNDEFORMED	CRACKED	SETTLED
	<input checked="" type="checkbox"/>		
OBSERVATIONS: None observed			

DEFORMATION IN BACKYARD	YES <input checked="" type="checkbox"/>	NO
LOCATION: Retaining wall		
DESCRIPTION: Settlement behind retaining wall.		



HOUSE DISTANCE TO CREST = 7 m

POOLS	YES	NO <input checked="" type="checkbox"/>
DESCRIPTION: None observed.		

SEEPAGE/ SPRINGS IN OR BELOW FILL	YES	NO <input checked="" type="checkbox"/>
OBSERVATIONS: None observed.		

RECEIVES SURFACE RUNOFF FROM	BACKYARD	½ ROOF	FULL ROOF	FRONT YARD	STREET
	<input checked="" type="checkbox"/>				
OBSERVATIONS:					

CONNECTED TO STORM SEWER	YES <input checked="" type="checkbox"/>	NO	UNSURE
OWNERS COMMENTS: Driveway drain runs between 1477 and 1479 Lennox Street collecting water from both driveways. Water in drain flows toward the slope, however no drain exit observed on the slopes behind 1479 and 1477 Lennox. (Drain is suspected to be connected to storm sewer.) DNV reports that 1477 is not connected to the storm sewer and that 1479 is connected.			

GENERAL OBSERVATIONS

- Larger lot was subdivided to add two new addresses: 1479 and 1477 Lennox Street
- Sprinkler system installed in backyard



Figure 1. 1479 Lennox Street – Front of the house



Figure 2. 1479 Lennox Street – View of backyard looking SW



Figure 3. 1479 Lennox Street – View looking north along fenceline



Figure 4. 1479 Lennox Street – Timber crib retaining wall

INSPECTION LOCATION # 1479 Lennox

Project : DNV Landslide Risk Assessment

Project No. : 0404-002-01

Location : 1479 Lennox
Drill Method : Dutch Hand Auger
Inspection Date : 03 Nov 05
Logged by : SF/JB
Reviewed by : MJP

Depth (m)	Lithologic Description	Depth To Water Table	Depth (m)	Lithologic Description	Depth To Water Table
	<p>AUGERHOLE: BGC05-1479LEN-AH01 on Slope Crest FINAL DEPTH OF AUGERHOLE: 2.10 m THICKNESS OF LOOSE MATERIALS: 2.10 m minimum</p>			<p>AUGERHOLE: BGC05-1479LEN-AH02 10 m Downslope FINAL DEPTH OF AUGERHOLE: 1.90 m THICKNESS OF LOOSE MATERIALS: 1.90 m minimum</p>	
0.0	SAND (SP) and ORGANICS Fine to coarse sand, poorly graded, very loose, dark brown, organic odour, moist, homogeneous [TOPSOIL]		0.0	SAND (SP) Fine to medium sand, trace silt, poorly graded, very loose, brown, moist, organic odour, homogeneous [FILL]	
0.5	SAND (SP) Fine to medium sand, trace fine gravel, poorly graded, loose to very loose, light grey to light brown, moist, homogeneous, no cementation [FILL]		0.5	SAND (SP) Dark brown, organic [COLLUVIUM] SAND (SP) Fine to medium sand, trace silt, poorly graded, very loose, light brown with orange brown staining, moist, homogeneous [COLLUVIUM]	
1.0			1.0	1.00 m: Grades to yellow brown 1.10 m: Coarse gravel clast = 50 mm 1.20 m: Becomes denser	
1.5	1.20 m: Organic Lense SAND (SP) Fine to medium sand, poorly graded, loose, yellow brown with orange brown mottling, moist, homogeneous, no cementation [COLLUVIUM] 1.55 m: Becoming denser and orange brown with some darker red brown mottles		1.5		
2.0			2.0	1.90 m: EOH Refusal on gravel clast No groundwater encountered	
2.5			2.5		
3.0	2.10 m: EOH Refusal on a gravel clast		3.0		

BGC05-1479LEN-AH01

SITE OBSERVATION FORM: DNV Landslide Risk Assessment
LOCATION: 1491 Lennox Street
INSPECTION DATE: (mm/dd/yy) 11/03/05
WEATHER: Raining, heavy rain for several days prior to visit.



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THICKNESS OF LOOSE MATERIALS	<1 m	1-2 m	2-3 m	>3 m
AT CREST			<input checked="" type="checkbox"/>	
10 m DOWNSLOPE FROM SLOPE CREST		<input checked="" type="checkbox"/>		

SLOPE BELOW FENCE/ RETAINING STRUCTURE	SLOPE = 37°		
	CRACKS	SLIDES	EROSION
OBSERVATIONS: Minor erosion around tree roots.			<input checked="" type="checkbox"/>

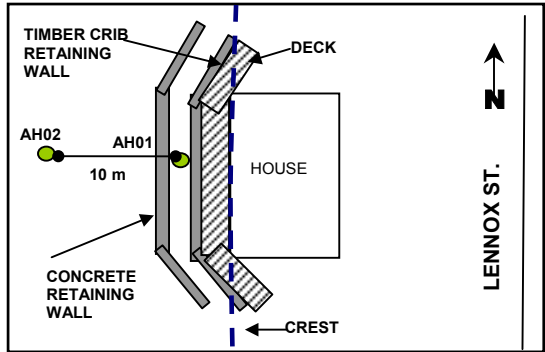
TREES BELOW FENCE/ RETAINING STRUCTURE	STRAIGHT	PISTOL-BUTT	LEANING
PERCENT CONIFER: 50%		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
OBSERVATIONS: Some leaning and pistol butt trees observed.			

RETAINING STRUCTURES	YES <input checked="" type="checkbox"/>	NO	HEIGHT = 3.5 m
TYPE	BLOCKS	CONCRETE	TIMBER CRIB
DEFORMATION	UNDEFORMED	CRACKED	SETTLED
OBSERVATIONS: Series of 2 walls. The top wall is 1.9 m high and the bottom is 1.6 m high. Some cracking observed.			

DEFORMATION IN BACKYARD	YES	NO <input checked="" type="checkbox"/>
LOCATION:		
DESCRIPTION: None observed.		

POOLS	YES	NO <input checked="" type="checkbox"/>
DESCRIPTION: None observed.		

SEEPAGE/ SPRINGS IN OR BELOW FILL	YES	NO <input checked="" type="checkbox"/>
OBSERVATIONS: None observed.		



HOUSE DISTANCE TO CREST = 0 m

RECEIVES SURFACE RUNOFF FROM	BACKYARD	½ ROOF	FULL ROOF	FRONT YARD	STREET
OBSERVATIONS: Driveway slopes toward house.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

CONNECTED TO STORM SEWER	YES	NO	UNSURE <input checked="" type="checkbox"/>
OWNERS COMMENTS: DNV reports that it is unknown if this property is connected to the storm sewer.			

GENERAL OBSERVATIONS

- Crest of slope at the house.



Figure 1. 1491 Lennox Street – Front of the house



Figure 2. 1491 Lennox Street – Test pit excavated for a previous investigation used in conjunction with AH#2



Figure 3. 1491 Lennox Street – Concrete retaining wall (lower wall)



Figure 4. 1491 Lennox Street – Deck and timber crib retaining wall (upper wall)

INSPECTION LOCATION # 1491 Lennox

Project : DNV Landslide Risk Assessment

Project No. : 0404-002-01

Location : 1491 Lennox
Drill Method : Dutch Hand Auger
Inspection Date : 03 Nov 05
Logged by : MB/ES
Reviewed by : MJP

Depth (m)	Lithologic Description	Depth To Water Table	Depth (m)	Lithologic Description	Depth To Water Table
	<p>AUGERHOLE: BGC05-1491LEN-AH01 2 m Below Slope Crest FINAL DEPTH OF AUGERHOLE: 1.30 m THICKNESS OF LOOSE MATERIALS: 1.10 m</p>			<p>AUGERHOLE: BGC05-1491LEN-AH02 10 m Downslope FINAL DEPTH OF AUGERHOLE: 1.65 m THICKNESS OF LOOSE MATERIALS: 1.60 m</p>	
0.0	<p>SAND (SW) Some silt, trace fine to coarse gravel, well graded, loose, max particle size = 40 mm, brown, no odour, homogeneous, no cementation, trace rootlets [TOPSOIL / FILL]</p>		0.0	<p>SAND (SW) Some silt, trace fine to coarse gravel, well graded sand, loose, max particle = 20 mm, brown, no odour, moist, homogeneous, no cementation, trace rootlets [TOPSOIL / FILL]</p>	
0.5	<p>SAND (SP) Fine to coarse sand, mainly medium sand, some silt, gravel sized fine sand and silt clasts, poorly graded, loose, max particle size = 1 mm, light brown to grey with orange mottling, no odour, moist, homogeneous, no cementation [FILL]</p>		0.5	<p>SAND (SP) Fine to coarse sand, mainly medium sand, some silt, poorly graded, loose, max particle size = 1 mm, light brown with orange mottling, trace grey, no odour, moist, homogeneous, no cementation, trace rootlets [FILL]</p>	
1.0			1.0		
1.5	<p>SILT (ML) Sandy, fine sand, trace clay, low plastic, stiff, grey with orange mottling, odourless, moist, homogeneous, no cementation, no dilatancy [Weathered GLACIOMARINE] 1.30 m: EOH - Refusal as material is too stiff to auger through. No water table encountered.</p>		1.5		
2.0			2.0	<p>SILT (ML) Sandy, fine to medium sand, trace clay, low plastic, stiff, grey with orange mottling, no odour, moist, homogeneous, no cementation, no dilatancy [Weathered GLACIOMARINE] 1.65 m: EOH - Refusal as material is too stiff to auger through</p>	
2.5			2.5		
3.0			3.0		

BGC05-1491LEN-AH01