

SITE OBSERVATION FORM: DNV Landslide Risk Assessment
LOCATION: 1535 Lennox Street
INSPECTION DATE: (mm/dd/yy) 11/03/05
WEATHER: Rain, heavy rain for several days prior to visit.



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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"/>	
4 m DOWNSLOPE FROM SLOPE CREST		<input checked="" type="checkbox"/>		

SLOPE BELOW FENCE/ RETAINING STRUCTURE	SLOPE = 39°		
	CRACKS	SLIDES	EROSION
OBSERVATIONS: Loose organic material on surface of slope (branches and leaves).			

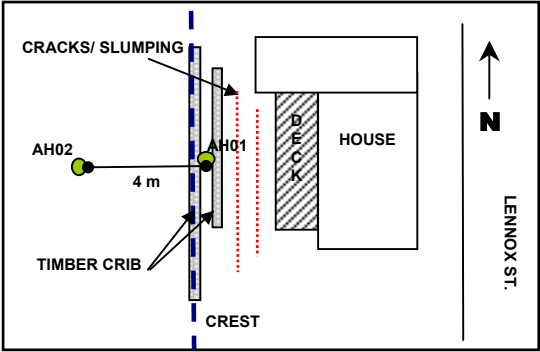
TREES BELOW FENCE/ RETAINING STRUCTURE	STRAIGHT	PISTOL-BUTT	LEANING
PERCENT CONIFER: 50%			<input checked="" type="checkbox"/>
OBSERVATIONS: Leaning tree at crest immediately below the crib wall. Some leaning trees observed, however generally straight.			

RETAINING STRUCTURES	YES <input checked="" type="checkbox"/>	NO	HEIGHT= 1.90 m
TYPE	BLOCKS CONCRETE	TIMBER CRIB	OTHER:
DEFORMATION	UNDEFORMED	CRACKED	BULGING
OBSERVATIONS: A small crib wall by patio is slumping. Bulging wall down slope is breaking apart. Wall being pressed against a tree at the crest causing the tree to lean.			

DEFORMATION IN BACKYARD	YES <input checked="" type="checkbox"/>	NO
LOCATION: Immediately behind crib wall.		
DESCRIPTION: Backyard is settling, and slumping in the down slope direction. Displacement on large crack is approximately 40 cm.		

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

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



HOUSE DISTANCE TO CREST = 3.2 m

RECEIVES SURFACE RUNOFF FROM	BACKYARD	1/2 ROOF	FULL ROOF	FRONT YARD	STREET
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
OBSERVATIONS: Potential for storm water from street to drain onto property.					

CONNECTED TO STORM SEWER	YES	NO <input checked="" type="checkbox"/>	UNSURE
OWNERS COMMENTS: DNV reports that this property is not connected to the storm sewer.			

GENERAL OBSERVATIONS

- House is 3.2 m from the crest at the closest point.
- Corrugated pipe runs onto slope at the south edge of the property.
- A concrete block wall between this yard and the neighbouring property (1557) is cracked and tilted down slope.



Figure 1. 1535 Lennox Street – Front of the house



Figure 2. 1535 Lennox Street – Bulging timber crib retaining wall



Figure 3. 1535 Lennox Street – View looking north of settling/slumping backyard

Project : DNV Landslide Risk Assessment

Project No. : 0404-002-01

Location : 1535 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: BGC05-1535LEN-AH01 1m Back From Slope Crest FINAL DEPTH OF AUGERHOLE: 2.60 m THICKNESS OF LOOSE MATERIALS: 2.20 m</p>			<p>AUGERHOLE: BGC05-1535LEN-AH02 4 m Downslope FINAL DEPTH OF AUGERHOLE: 2.00 m THICKNESS OF LOOSE MATERIALS: 1.50 m</p>	
0.0	SAND (SM) Silty, some fine to medium gravel, poorly graded, loose, max particle size = 10 mm, sub-rounded, dark brown, no odour, moist, homogeneous, no cementation, trace rootlets [TOPSOIL]		0.0	SAND (SM) Silty, some fine to medium gravel, well graded, loose, max particle = 10 mm, sub-rounded, dark brown, no odour, moist, homogeneous, no cementation, trace rootlets [TOPSOIL]	
0.5	SAND (SW) Trace silt, gravel sized silt clasts, well graded, loose, max particle size = 1 mm, sub-rounded, brown, odourless, moist, homogeneous, no cementation, trace rootlets [FILL]		0.5	SAND (SM) Fine to medium sand, silty, trace gravel, trace gravel sized silt clasts, poorly graded, loose, max particle size = 10 mm, sub-rounded, brown, no odour, moist, homogeneous, no cementation [FILL]	
1.0	SAND (SW) Trace silt, trace gravel, well graded, loose, max particle size = 15 mm, sub-angular, light brown with orange mottling, no odour, moist, homogeneous, no cementation [FILL]		1.0	SAND (SM) Fine to medium sand, silty, trace clay, gravel sized silt clasts, poorly graded, loose, max particle size = 1 mm, light brown to brown with some orange mottling, no odour, moist, homogeneous, no cementation [FILL / COLLUVIUM]	
1.5			1.5	SAND (SP) Fine to medium sand, trace coarse gravel, poorly graded, compact, max particle = 20 mm, light brown, no odour, moist, homogeneous, no cementation [Weathered GLACIOMARINE]	
2.0	SAND (SW) Some silt, trace fine gravel, well graded, loose, max particle size = 10 mm, sub-rounded, dark brown, no odour, moist, homogeneous, no cementation, roots, rootlets, wood fragments [FILL]		2.0	2.00 m: EOH - Refusal as material is too stiff to auger through. No water table encountered.	
2.5	SAND (SP) Fine sand, silty, gravel sized silt clasts, poorly graded, loose to compact, max particle size = <1 mm, light brown with orange mottling, moist, homogeneous, no cementation [COLLUVIUM]		2.5		
3.0	2.60 m: EOH - Refusal as material is too stiff to auger through. No water table encountered.		3.0		

BGC05-1535LEN-AH01

SITE OBSERVATION FORM: DNV Landslide Risk Assessment
LOCATION: 1557 Lennox Street
INSPECTION DATE: (mm/dd/yy) 11/03/05
WEATHER: Rain, heavy rain for several days prior to visit.



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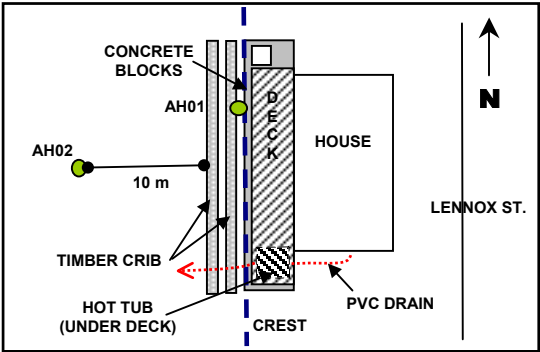
THICKNESS OF LOOSE MATERIALS	<1 m	1-2 m	2-3 m	>3 m
FENCE LINE				<input checked="" type="checkbox"/>
10 m DOWNSLOPE FROM SLOPE CREST		<input checked="" type="checkbox"/>		

SLOPE BELOW FENCE/ RETAINING STRUCTURE	SLOPE = 35°		
	CRACKS	SLIDES	EROSION
			<input checked="" type="checkbox"/>
OBSERVATIONS: Slope wash observed. Assorted rubbish and roof tiles below slope crest. Large granite boulder, ~1.5 m diameter, adjacent to second auger hole.			

TREES BELOW FENCE/ RETAINING STRUCTURE	STRAIGHT	PISTOL-BUTT	LEANING
PERCENT CONIFER: 25%	<input checked="" type="checkbox"/>		
OBSERVATIONS: Heavily vegetated, few trees.			

RETAINING STRUCTURES	YES <input checked="" type="checkbox"/>	NO	HEIGHT= 0.75-1.5 m
TYPE	CONCRETE <input checked="" type="checkbox"/>	TIMBER CRIB <input checked="" type="checkbox"/>	OTHER:
DEFORMATION	UNDEFORMED <input checked="" type="checkbox"/>	CRACKED <input checked="" type="checkbox"/>	BULGING
OBSERVATIONS: 3 retaining walls on slope. Lowest wall is timber crib (0.75 m high) and undeformed. Middle retaining wall is 1.5m high with concrete patio on top (covered by brush), appears competent, undeformed except for top 0.5 m near trail access (leaning 10° down slope). Top retaining wall is 1.5 m high concrete blocks and mortar, beneath deck, cracking observed beneath deck and at south east corner of property.			

DEFORMATION IN BACKYARD	YES <input checked="" type="checkbox"/>	NO
LOCATION:		
DESCRIPTION:	Entire backyard is covered by deck and concrete retaining wall. Cracking observed in concrete retaining wall.	



POOLS	YES <input checked="" type="checkbox"/>	NO
DESCRIPTION:	Tile/Concrete hot tub not currently in use but collecting rainwater. Unable to view walls of hot tub to check or cracking.	

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

HOUSE DISTANCE TO CREST = 5 - 7m

RECEIVES SURFACE RUNOFF FROM	BACKYARD	1/2 ROOF	FULL ROOF	FRONT YARD	STREET
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
OBSERVATIONS: PVC pipe captures roof drainage and directs it through the wood deck and retaining walls discharging down the slope. Exact location of end of pipe unknown.					

CONNECTED TO STORM SEWER	YES	NO <input checked="" type="checkbox"/>	UNSURE
OWNERS COMMENTS:	DNV reports that this property is connected to the storm sewer, however site observations confirm that some roof drainage is diverted down slope by a PVC pipe.		

GENERAL OBSERVATIONS

- Owner reports that this site has been monitored by a geotechnical engineer
- Various cracks (maximum displacement approx. 5 cm) were observed in upper retaining wall below wood deck.



Figure 1. 1557 Lennox Street – Front of the house



Figure 2. 1557 Lennox Street – Drainage pipe exiting house, draining downslope



Figure 3. 1557 Lennox Street – Crack in concrete retaining wall



Figure 4. 1557 Lennox Street – View looking south along crest

INSPECTION LOCATION # 1557 Lennox

Project : DNV Landslide Risk Assessment

Project No. : 0404-002-01

Location : 1557 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: BGC05-1557LEN-AH01 0.6m Back From Slope Crest FINAL DEPTH OF AUGERHOLE: 3.00 m THICKNESS OF LOOSE MATERIALS: 3.00 m minimum</p>			<p>AUGERHOLE: BGC05-1557LEN-AH02 4 m Downslope FINAL DEPTH OF AUGERHOLE: 1.85 m THICKNESS OF LOOSE MATERIALS: 1.60 m</p>	
0.0	<p>SAND (SP) Fine to coarse sand, silty, some fine to medium gravel, poorly graded, very loose, max particle size = 15 mm, sub-rounded, brown with light brown zones, concrete fragments, trace organics [FILL]</p>		0.0	<p>SILT (ML) Some fine sand, fine to medium gravel, fine gravel sized silt clasts, non plastic, soft, grey brown, moist, homogeneous, organics [FILL / COLLUVIUM]</p>	
0.5	<p>SILT (ML) Trace fine to coarse sand, gravelly, fine to coarse gravel, non plastic, soft, max particle size = 50 mm, rounded, moist to wet [FILL]</p>		0.5	<p>SILT (ML) Some sand, non plastic, very soft, dark brown, no odour, moist, homogeneous, bark, organic matter [FILL]</p>	
1.0	<p>SAND (SP) Trace fine to coarse sand, gravelly, fine to coarse gravel, non plastic, soft, max particle size = 50 mm, rounded, moist to wet [FILL]</p>		1.0	<p>SAND (SP) Fine to medium sand, trace fine to medium gravel sized sand clasts, poorly graded, loose to compact, light orange brown, moist, homogeneous [COLLUVIUM]</p>	
1.5	<p>1.65 m: ORGANICS layer, material becoming siltier</p>		1.5	<p>1.10 m: Material is becoming silty</p> <p>1.35 m: Silt content increases to SILT (ML)</p>	
2.0	<p>SILT (ML) Trace fine to coarse sand, some fine to medium gravel, gravel sized silt clasts, low plastic, soft, light brown, moist, homogeneous, trace organics [COLLUVIUM or FILL]</p>		2.0	<p>SAND (SP) Fine to medium sand, trace coarse sand, trace silt, trace fine gravel, poorly graded, loose to compact, light yellow brown, moist, homogeneous [Weathered GLACIOMARINE]</p> <p>1.85 m: EOH - Refusal as material is too stiff to auger through.</p>	
2.5	<p>SAND (SP) Fine to medium sand, trace coarse sand, trace fine gravel, loose to compact, poorly graded, max particle size = 5 mm, sub-rounded, light yellow brown, dry to moist, homogeneous [Weathered GLACIOMARINE]</p>		2.5		
3.0	<p>3.00 m: EOH - Extent of auger</p>		3.0		

BGC05-1557LEN-AH01

BGC ENGINEERING INC.
 AN APPLIED EARTH SCIENCES COMPANY
 Vancouver, BC Phone: (604) 684 5900

Client: District of North Vancouver

SITE OBSERVATION FORM: DNV Landslide Risk Assessment
LOCATION: 1583 Lennox Street
INSPECTION DATE: (mm/dd/yy) 11/02/05
WEATHER: Raining, heavy rain for several days prior to visit.



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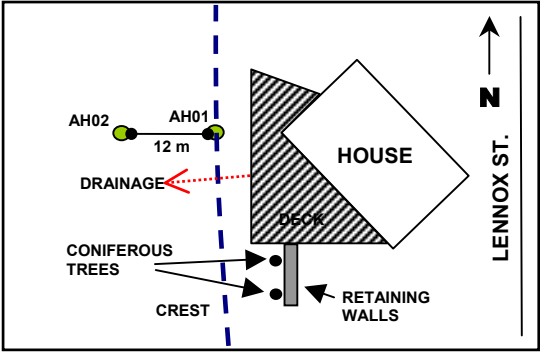
THICKNESS OF LOOSE MATERIALS	<1 m	1-2 m	2-3 m	>3 m
FENCE LINE			<input checked="" type="checkbox"/>	
12 m DOWNSLOPE FROM SLOPE CREST		<input checked="" type="checkbox"/>		

SLOPE BELOW FENCE/ RETAINING STRUCTURE	SLOPE = 35° to 36°		
	CRACKS	SLIDES	EROSION
OBSERVATIONS: No slope deformation was observed. Slope is heavily vegetated.			

TREES BELOW FENCE/ RETAINING STRUCTURE	STRAIGHT	PISTOL-BUTT	LEANING
PERCENT CONIFER: 20%	<input checked="" type="checkbox"/>		
OBSERVATIONS: Slope appears to be clear of trees for 75 – 100 m down slope from crest.			

RETAINING STRUCTURES	YES <input checked="" type="checkbox"/>	NO	HEIGHT = 2.0 m
TYPE	CONCRETE <input checked="" type="checkbox"/>	TIMBER CRIB <input checked="" type="checkbox"/>	OTHER:
DEFORMATION	UNDEFORMED <input checked="" type="checkbox"/>	CRACKED <input checked="" type="checkbox"/>	BULGING
OBSERVATIONS: Retaining wall at south end of property consists of 3 adjacent parts: 2m high timber crib, 0.5m high cinder blocks, 0.75m high stone and mortar segment. All parts are slightly cracked but are somewhat supported by two 2' diameter straight conifers.			

DEFORMATION IN BACKYARD	YES	NO <input checked="" type="checkbox"/>
LOCATION:		
DESCRIPTION: None observed. Backyard almost completely occupied by deck.		



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 = 2.0 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: Unsure of where roof drainage exits.					

CONNECTED TO STORM SEWER	YES	NO <input checked="" type="checkbox"/>	UNSURE
OWNERS COMMENTS: Drain exits at back of house from beneath the house. DNV reports that the property is not connected to the storm sewer.			

GENERAL OBSERVATIONS

- Large conifers support the retaining wall.
- Retaining walls support garden and not house.



Figure 1. 1583 Lennox Street – Front of the house



Figure 2. 1583 Lennox Street – View of slope crest looking south



Figure 3. 1583 Lennox Street - View of slope crest looking north

INSPECTION LOCATION # 1583 Lennox

Project : DNV Landslide Risk Assessment

Project No. : 0404-002-01

Location : 1583 Lennox
Drill Method : Dutch Hand Auger
Inspection Date : 02 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: BGC05-1583LEN-AH01 on Slope Crest FINAL DEPTH OF AUGERHOLE: 2.30 m THICKNESS OF LOOSE MATERIALS: 2.30 m</p>			<p>AUGERHOLE: BGC05-1583LEN-AH02 12 m Downslope FINAL DEPTH OF AUGERHOLE: 1.35 m THICKNESS OF LOOSE MATERIALS: 1.35 m minimum</p>	
0.0	<p>ORGANICS Bark, roots, conifer needles, very loose [ORGANIC MATERIAL]</p>		0.0	<p>ORGANICS SAND (SP) Fine to medium sand, trace coarse sand to fine gravel sized silt clasts, poorly graded, very loose, brown, dry, homogeneous [FILL]</p>	
0.5	<p>SAND (SP) Fine to medium sand, silty, trace gravel sized sand clasts, poorly graded, very loose, max particle size = 15 mm [TOPSOIL]</p>		0.5	<p>0.50 m: Decomposed tree 4 cm thick</p>	
1.0	<p>GRAVEL (GP) Fine to coarse, sandy, fine to coarse, some silt, poorly graded, loose, dark grey brown, moist, homogeneous [FILL]</p> <p>SAND (SP) Fine to medium sand, trace fine to medium gravel, gravel sized silt and sand clasts, poorly graded, loose, grey, moist, homogeneous [FILL]</p> <p>0.80 m: Disturbed layer with some organics</p>		1.0	<p>SAND (SP) Fine to medium sand, some silt, poorly graded, very loose, dark brown, moist, homogeneous [FILL]</p> <p>SAND (SP) Fine to medium sand, trace medium gravel, poorly graded, loose to compact, light brown with orange mottling, moist, homogeneous, tree roots [COLLUVIUM]</p>	
1.5	<p>1.35 m: Organic lense or layer</p> <p>1.45 m: Becoming wet</p>		1.5	<p>1.35 m: EOH - Refusal on a tree root</p>	
2.0	<p>SAND (SP) Fine to medium sand, trace coarse sand to fine gravel, poorly graded, loose, light golden brown with orange brown mottles, moist, homogeneous, trace organics [Weathered GLACIOMARINE]</p>		2.0		
2.5	<p>2.20 m: Loose to compact 2.30 m: Compact 2.30 m: EOH - Refusal in compact material</p>		2.5		
3.0			3.0		

BGC05-1583LEN-AH01

SITE OBSERVATION FORM: DNV Landslide Risk Assessment
LOCATION: 1593 Lennox Street
INSPECTION DATE: (mm/dd/yy) 11/02/05
WEATHER: Light rain, heavy rain for several days prior to visit.



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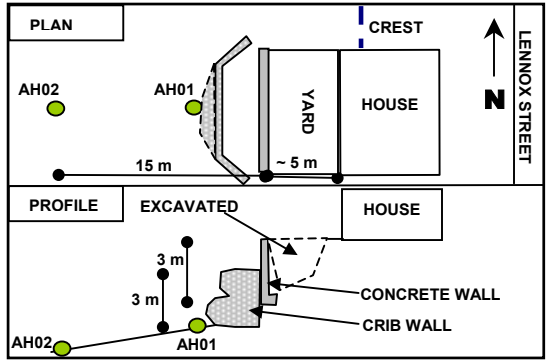
THICKNESS OF LOOSE MATERIALS	<1 m	1-2 m	2-3 m	>3 m
FENCE LINE				<input checked="" type="checkbox"/>
15 m DOWNSLOPE FROM SLOPE CREST			<input checked="" type="checkbox"/>	

SLOPE BELOW FENCE/ RETAINING STRUCTURE	SLOPE = 34° - 36°		
	CRACKS	SLIDES	EROSION
			<input checked="" type="checkbox"/>
OBSERVATIONS: Slope is 34° to 36° below concrete wall and 29° beside concrete wall. Erosion observed at base of concrete wall.			

TREES BELOW FENCE/ RETAINING STRUCTURE	STRAIGHT	PISTOL-BUTT	LEANING
PERCENT CONIFER: 90%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
OBSERVATIONS: Some leaning and pistol butt are present, but in general trees are straight.			

RETAINING STRUCTURES	YES <input checked="" type="checkbox"/>	NO	HEIGHT= 3 m concrete; 3 m timber
TYPE	CONCRETE <input checked="" type="checkbox"/>	TIMBER CRIB <input checked="" type="checkbox"/>	OTHER: <input checked="" type="checkbox"/>
DEFORMATION	UNDEFORMED <input checked="" type="checkbox"/>	CRACKED <input checked="" type="checkbox"/>	SETTLED <input checked="" type="checkbox"/>
OBSERVATIONS: Concrete and timber crib walls overlap by 1.5 m. Concrete wall is constructed with concrete blocks above the timber crib wall. Concrete wall is cracking in several places. Timber crib wall is bulging (1 m horizontal bulge from original placement).			

DEFORMATION IN BACKYARD	YES <input checked="" type="checkbox"/>	NO
LOCATION: Backyard above concrete block wall.		
DESCRIPTION: Slumping observed in the down slope direction.		



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

SEEPAGE/ SPRINGS IN OR BELOW FILL	YES <input checked="" type="checkbox"/>	NO
OBSERVATIONS: Seepage through the timber crib wall observed.		

HOUSE DISTANCE TO CREST = 0 m

RECEIVES SURFACE RUNOFF FROM	BACKYARD	1/2 ROOF	FULL ROOF	FRONT YARD	STREET
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
OBSERVATIONS: Front driveway and yard dip toward the house and the slope. Runoff appears to be pumped off site to street, unsure where water is being pumped from.					

CONNECTED TO STORM SEWER	YES	NO <input checked="" type="checkbox"/>	UNSURE
OWNERS COMMENTS: DNV reports that this property is not connected to the storm sewer.			

GENERAL OBSERVATIONS

- House is constructed on the crest of the slope at west side of property.
- DNV geotech. eng. Brian Thompson has been working at this site; dug test pits.
- Backyard is fill behind concrete retaining wall; most of fill was removed after Jan. 2005 event; patio tiles dipping down slope



Figure 1. 1593 Lennox Street - Front of the house



Figure 2. 1593 Lennox Street – Test pit excavated for a previous investigation used in conjunction with AH#1



Figure 3. 1593 Lennox Street – Concrete retaining wall built on top of old timber crib wall (timber crib wall is bulging and concrete wall is cracking)



Figure 4. 1593 Lennox Street – Cracking on the west side of the concrete retaining wall



Figure 5. 1593 Lennox Street – Crack on the north side of the concrete retaining wall

INSPECTION LOCATION # 1593 Lennox

Project : DNV Landslide Risk Assessment

Project No. : 0404-002-01

Location : 1593 Lennox
Drill Method : Dutch Hand Auger
Inspection Date : 02 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: BGC05-1593LEN-AH01 3 m below Slope Crest FINAL DEPTH OF AUGERHOLE: 2.70 m THICKNESS OF LOOSE MATERIALS: 3.00 m minimum</p>			<p>AUGERHOLE: BGC05-1593LEN-AH02 15 m Downslope FINAL DEPTH OF AUGERHOLE: 2.10 m THICKNESS OF LOOSE MATERIALS: 2.10 m minimum</p>	
0.0	<p>SAND (SW) Fine sand, silty, trace fine gravel, poorly graded, loose, max particle size = 4 mm, sub-angular, dark brown, no odour, moist, homogeneous, no cementation [ORGANICS/TOPSOIL]</p>		0.0	<p>SAND (SM) Fine sand, silty, trace fine gravel, poorly graded, loose, max particle size = 10 mm, sub-angular, dark brown, no odour, moist, homogeneous, no cementation, rootlets [FILL]</p>	
0.5	<p>SAND (SP) Fine to medium sand, trace to some silt, gravel sized silt clasts, poorly graded, loose, max particle size = <1 mm, grey to brown, moist, homogeneous, no cementation [FILL] 0.40 - 0.50 m: Some cobbles, soil grading to brown colour</p>		0.5	<p>SAND (SP) Fine to medium sand, trace silt, gravel sized fine sand clasts, poorly graded, light brown with orange mottling, moist, homogeneous, no cementation, rootlets [FILL] 0.5 - 0.55 m: Organic layer, wood fragments and organic rich silt</p>	
1.0	<p>SAND (SM) Fine to medium sand, silty, trace fine to medium gravel, poorly graded sand, loose, max particle size = 4 mm, rounded, brown with dark brown organic seams, no odour, moist, homogeneous, no cementation [FILL]</p>		1.0	<p>SAND (SP) Fine to medium sand, trace silt, trace cobbles, gravel sized clasts of fine to medium sand, poorly graded, loose, max particle size = 100 mm, brown to light brown with some orange mottling, moist, homogeneous, no cementation, some rootlets [FILL/COLLUVIUM]</p>	
1.5			1.5		
2.0			2.0	2.00 m: Trace fine to coarse gravel	
2.5			2.5	2.10 m: EOH - Refusal on gravels No water table encountered	
3.0	2.70 m: EOH - Extent of auger No water table encountered		3.0		

BGC05-1593LEN-AH01