



A great place to live, work & play

### Scarborough Borough Council

### Condition Survey of Inclinometers and Piezometers – 26/3/2013



**Location**

Robin Hoods Bay

In the car park of the Victoria Hotel.

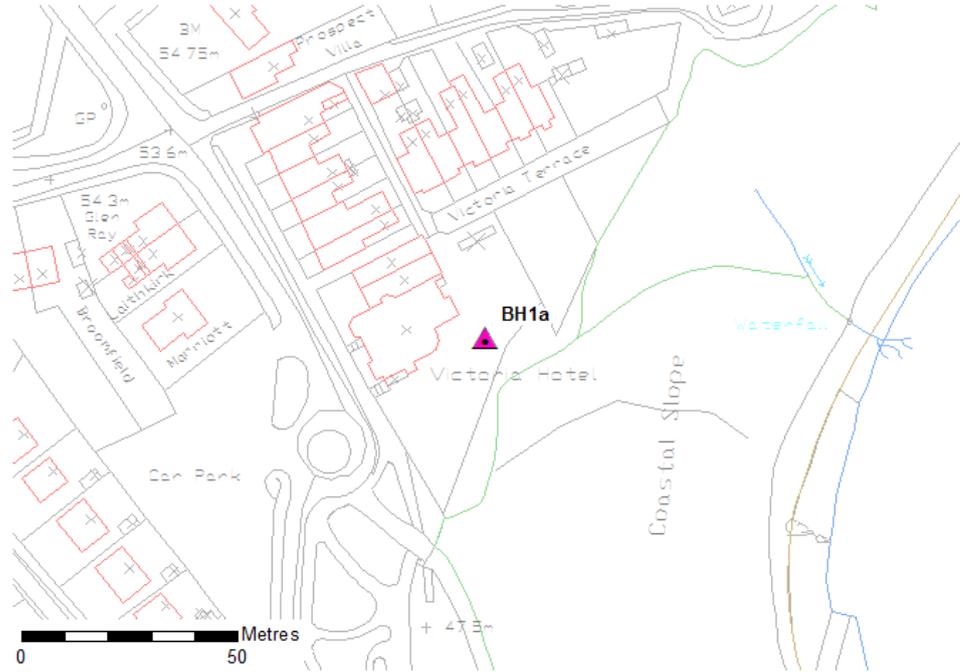
**Borehole**

BH1

**Piezometer - twin**

**Map**

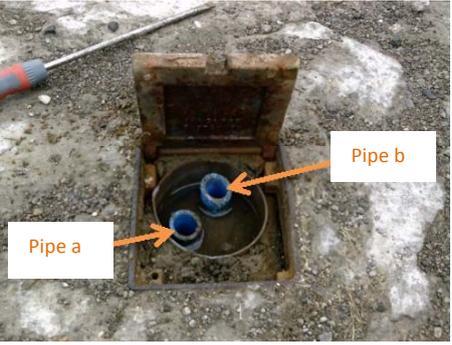
**GPS Reference:  
NZ 95197 05264**



**Location Photo**

(looking east)



<b>Condition Photos</b>					
<b>Condition</b>	<ul style="list-style-type: none"> <li>• Cover in acceptable condition, but locking screw has seized up and cannot be used.</li> <li>• The outer tube was full of water when cover was lifted.</li> </ul>				
<b>Recorded Depth to Instrument</b>	a) 25.40m b) 12.79m	<b>Recorded Depth to Water</b>	a) 22.40m b) 12.79m		
<b>Known Depth to Instrument</b>	a) 26.00m b) 14.00m	<b>Last Recorded Water Depth</b>	Not available	<b>Record Date</b>	Not available
<b>Comments</b>	<ul style="list-style-type: none"> <li>• Pipe a) is the shorter pipe on the left of the photo, and pipe b) is the slightly taller pipe on the right of the photo.</li> </ul>				



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**Location**

*Robin Hoods Bay*

Adjacent to (to the right/south) the Old Rocket House garage building.

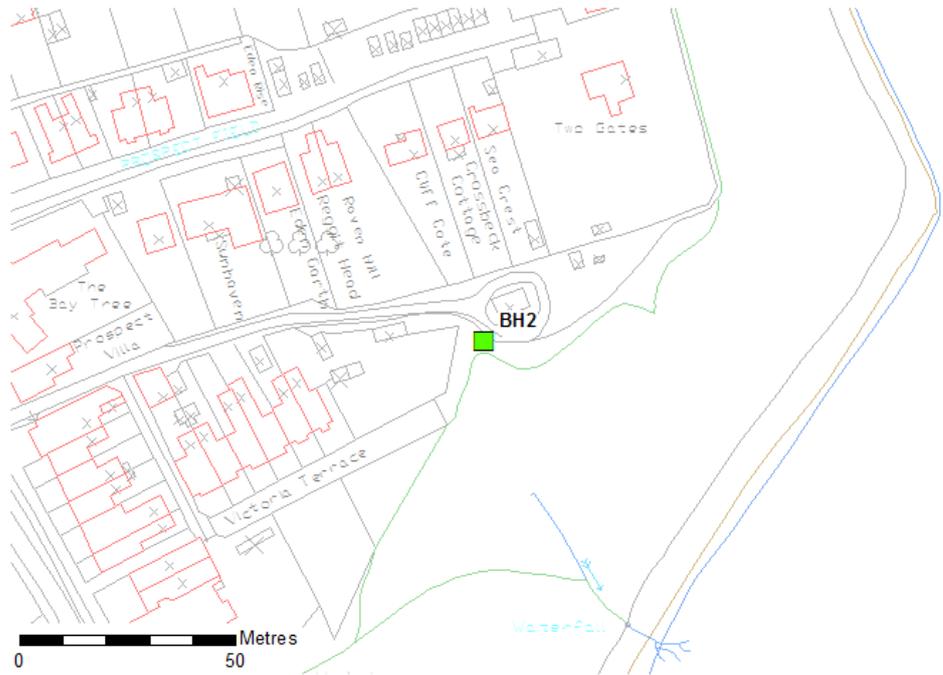
**Borehole**

BH2

**Inclinometer**

**Map**

**GPS Reference:  
NZ 95248 05334**



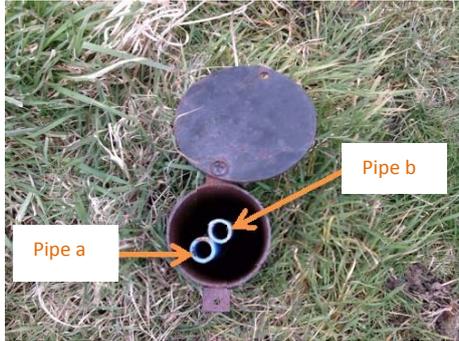
**Location Photo**

(looking east)



<b>Condition Photos</b>			
<b>Condition</b>	<ul style="list-style-type: none"> <li>• Cover ok but not locked, alun key lock is corroded beyond use.</li> <li>• Plastic cap on inclinometer tube present and in good condition.</li> <li>• Access restricted due to use of area for storing vehicles/trailers/boats. Gravelled surface, therefore no vegetation.</li> </ul>		
<b>Known Depth</b>	22.00m	<b>Recorded Depth</b>	42.23m
<b>Comments</b>	<ul style="list-style-type: none"> <li>• Water recorded at 29.12m.</li> <li>• Dummy inclinometer went to 36m.</li> </ul>		



<p><b>Condition Photos</b></p>						
<p><b>Condition</b></p>	<ul style="list-style-type: none"> <li>• Tube is above ground level, grass is fairly short in the field and does not obscure the borehole.</li> <li>• Cover is in ok condition, but it does not close due to the inner pipes being above the level of the outer tubes. This is allowing debris and insects access to the pipes (snail was stuck in pipe b).</li> </ul>					
<p><b>Recorded Depth to Instrument</b></p>	<p>a) 18.40m b) 4.37m</p>	<p><b>Recorded Depth to Water</b></p>	<p>a) 6.14m b) 3.73m</p>			
<p><b>Known Depth to Instrument</b></p>	<p>a) 20.30m b) 5.50m</p>	<p><b>Last Recorded Water Depth</b></p>	<p>Not available</p>	<p><b>Record Date</b></p>	<p>Not available</p>	
<p><b>Comments</b></p>	<ul style="list-style-type: none"> <li>• Pipe a) is the taller pipe on the left of the photo, and pipe b) is the slightly shorter pipe on the right of the photo.</li> <li>• Probe came up covered in brown rust staining from pipe a.</li> <li>• Access to the site is through two private gates at the rear of Alexandra Lodge (property faces on to Mount Pleasant East), from The Close (private road). Once through the second gate the borehole is located directly ahead towards the back edge of the field (towards the cliff edge).</li> </ul>					
<p><b>Access</b></p>	 <p>Access to field where borehole is located through second gate to the right</p> <p>Gate to back garden of Alexandra Lodge from the Close (private road)</p>					



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Royal HaskoningDHV  
Enhancing Society Together

**Location**

*Robin Hood's Bay*

Adjacent to Cleveland Way, at end of Mount Pleasant North.

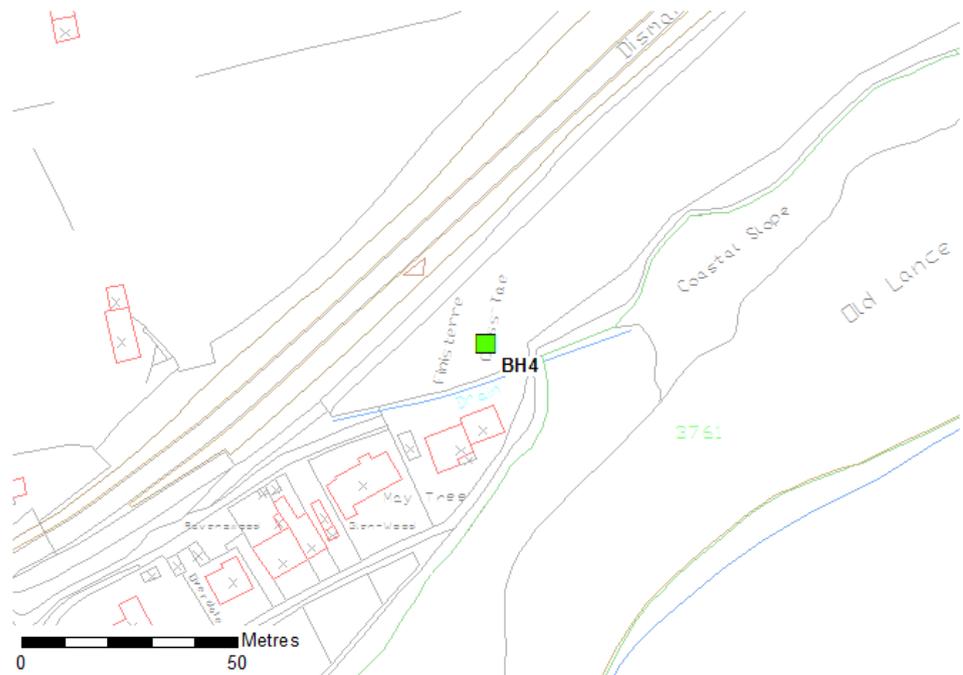
**Borehole**

BH4

**Inclinometer**

**Map**

**GPS Reference:  
NZ 95324 05639**



**Location Photo**

(looking west)



<p><b>Condition Photos</b></p>			
<p><b>Condition</b></p>	<ul style="list-style-type: none"> <li>• Cover ok but not locked.</li> <li>• Plastic cap on inclinometer tube present and in good condition.</li> <li>• Outer tube is above ground level and in good condition but the anti-stock measures (fence around the borehole) are damaged and non-functional.</li> </ul>		
<p><b>Known Depth</b></p>	<p>41.00m</p>	<p><b>Recorded Depth</b></p>	<p>41.42m</p>
<p><b>Comments</b></p>	<ul style="list-style-type: none"> <li>• Water recorded at 26.34m.</li> <li>• Dummy inclinometer went to 40.7m – therefore no signs of breakage/shear.</li> <li>• Access – Cleveland Way footpath from Mount Pleasant North. Borehole is in the field behind the last of the properties on Mount Pleasant North, access to field is through a gate at the end of the properties.</li> </ul>		