

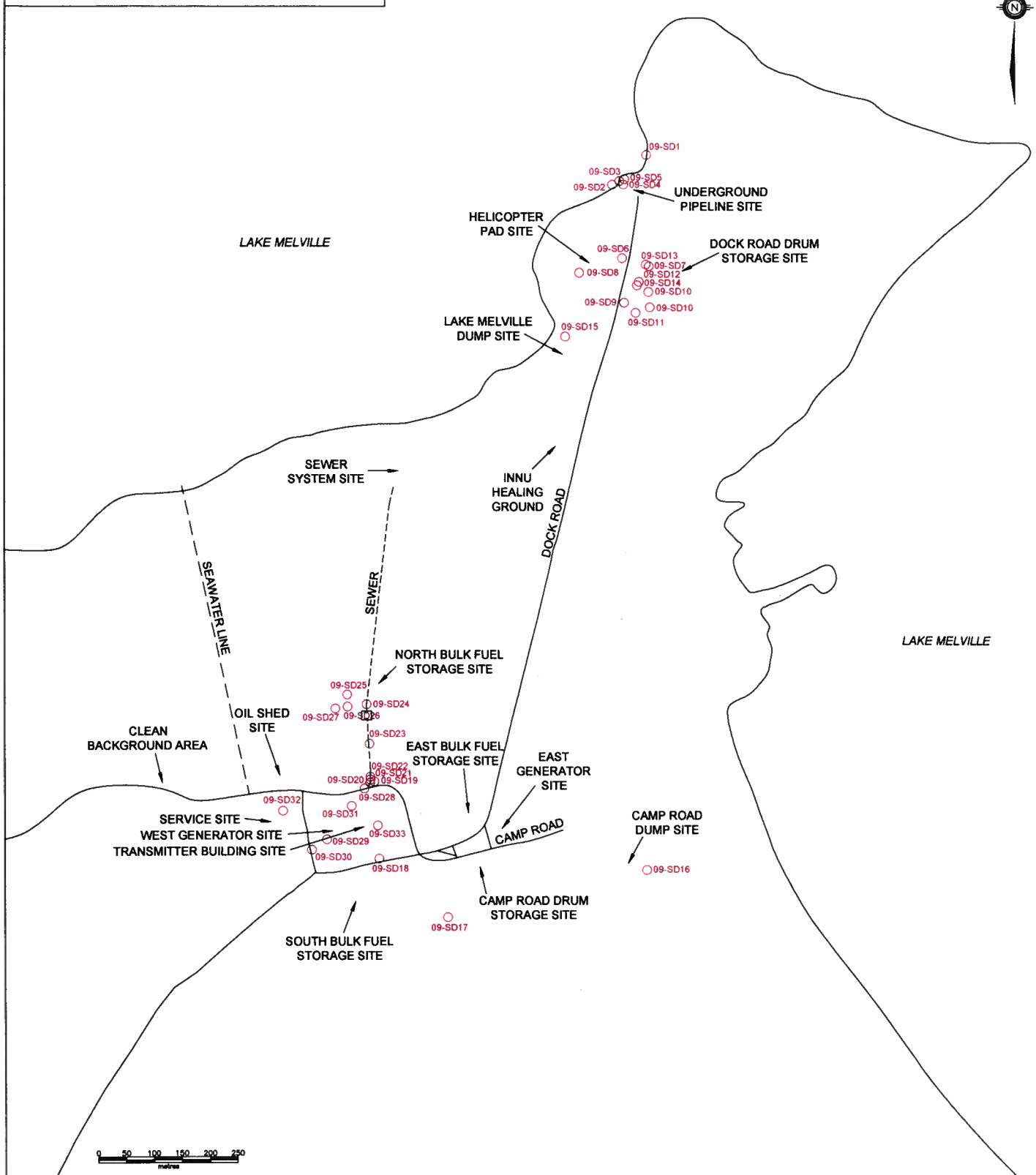
Appendix 20a

Site Drawings

– Surface Debris

LEGEND

○ SURFACE DEBRIS LOCATION (STANTEC 2009)



NOTE: THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A STANTEC CONSULTING LTD. REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

CLIENT: NEWFOUNDLAND AND LABRADOR DEPARTMENT OF ENVIRONMENT AND CONSERVATION		SCALE: 1:10,000	DATE: JUNE 15, 2010
PROJECT TITLE: PHASE III ESA, HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENTS, REMEDIAL ACTION PLAN FOR THE FORMER U.S. MILITARY FACILITY OF NORTHWEST POINT, NL		DRAWN BY: N.M.	CHECKED BY: A.R.
DRAWING TITLE: LOCATION OF SURFACE DEBRIS		EDITED BY: -	REV. No. 0
		DRAWING No: 121410105-EE-20A	
		CAD FILE: 1044857-EE-18.DWG	






Stantec



Appendix 20b

Log of Surface Debris and Physical Hazards

LOG OF SURFACE DEBRIS AND PHYSICAL HAZARDS

Location ID / Description	Photo(s)
<p><u>09-SD1</u></p> <p>Coordinates (NAD27) Easting: 694776 Northing: 5932363</p> <p>Description: 1 m³ concrete block, steel cable</p> <p>Location: Lake Melville shoreline, north of Underground Pipeline Site</p>	
<p><u>09-SD2</u></p> <p>Coordinates (NAD27) Easting: 694715 Northing: 5932308</p> <p>Description: 1.5 m³ concrete anchor block</p> <p>Location: Lake Melville shoreline, Underground Pipeline Site</p>	
<p><u>09-SD3</u></p> <p>Coordinates (NAD27) Easting: 694728 Northing: 5932315</p> <p>Description: 6 m long 200 mm diameter steel pipe, valve</p> <p>Location: Lake Melville shoreline, Underground Pipeline Site</p>	



LOG OF SURFACE DEBRIS AND PHYSICAL HAZARDS

Location ID / Description	Photo(s)
<p><u>09-SD4</u></p> <p>Coordinates (NAD27) Easting: 694736 Northing: 5932309</p> <p>Description: 4 m of pipe protruding from ground</p> <p>Location: Underground Pipeline Site (09-Pipe2)</p>	
<p><u>09-SD5</u></p> <p>Coordinates (NAD27) Easting: 694737 Northing: 5932318</p> <p>Description: 10 m of steel cable</p> <p>Location: Lake Melville shoreline, Underground Pipeline Site</p>	<p>No photo taken</p>
<p><u>09-SD6</u></p> <p>Coordinates (NAD27) Easting: 694736 Northing: 5932176</p> <p>Description: 1 empty 200 L steel drum</p> <p>Location: Between Dock Road and Pipeline, east of Helicopter Pad Site</p>	




LOG OF SURFACE DEBRIS AND PHYSICAL HAZARDS

Location ID / Description	Photo(s)
<p><u>09-SD7</u></p> <p>Coordinates (NAD27) Easting: 694784 Northing: 5932162</p> <p>Description: 2 empty 200 L steel drums</p> <p>Location: Dock Road Drum Storage Site</p>	
<p><u>09-SD8</u></p> <p>Coordinates (NAD27) Easting: 694659 Northing: 5932148</p> <p>Description: Remnants of an old trailer, aluminum, wood debris</p> <p>Location: West of Helicopter Pad Site</p>	



LOG OF SURFACE DEBRIS AND PHYSICAL HAZARDS

Location ID / Description	Photo(s)
<p><u>09-SD9</u></p> <p>Coordinates (NAD27) Easting: 694741 Northing: 5932095</p> <p>Description: 5 m long 50 mm diameter galvanized steel pipe</p> <p>Location: Dock Road Drum Storage Site</p>	
<p><u>09-SD10</u></p> <p>Coordinates (NAD27) Easting: 694787 to 694784 Northing: 5932088 to 5932116</p> <p>Description: 100 m x 30 m scattered surface and partially buried debris (plate steel, pipe, steel cable, drums, etc.)</p> <p>Location: Dock Road Drum Storage Site</p>	


LOG OF SURFACE DEBRIS AND PHYSICAL HAZARDS

Location ID / Description	Photo(s)
<p><u>09-SD10 (continued)</u></p>	
<p><u>09-SD11</u></p> <p>Coordinates (NAD27) Easting: 694762 Northing: 5932078</p> <p>Description: 20 m steel cable, 5 m long 50 mm diameter galvanized steel pipe</p> <p>Location: Dock Road Drum Storage Site</p>	
<p><u>09-SD12</u></p> <p>Coordinates (NAD27) Easting: 694767 Northing: 5932134</p> <p>Description: Partially buried rear end of car</p> <p>Location: Dock Road Drum Storage Site</p>	


LOG OF SURFACE DEBRIS AND PHYSICAL HAZARDS

Location ID / Description	Photo(s)
<p><u>09-SD13</u></p> <p>Coordinates (NAD27) Easting: 694778 Northing: 5932165</p> <p>Description: 1 m² piece of steel</p> <p>Location: Dock Road Drum Storage Site</p>	
<p><u>09-SD14</u></p> <p>Coordinates (NAD27) Easting: 694763 Northing: 5932127</p> <p>Description: 2 m x 3 m tail gate</p> <p>Location: Dock Road Drum Storage Site</p>	



LOG OF SURFACE DEBRIS AND PHYSICAL HAZARDS

Location ID / Description	Photo(s)
<p><u>09-SD15</u></p> <p>Coordinates (NAD27) Easting: 694636 Northing: 5932032</p> <p>Description: 5 200 L drums, small amounts of surface and partially buried debris (metal, batteries, etc.)</p> <p>Location: Lake Melville Dump Site</p>	



LOG OF SURFACE DEBRIS AND PHYSICAL HAZARDS

Location ID / Description	Photo(s)
<p data-bbox="186 905 289 934"><u>09-SD16</u></p> <p data-bbox="186 959 431 989">Coordinates (NAD27)</p> <p data-bbox="186 989 373 1018">Easting: 694799</p> <p data-bbox="186 1018 399 1047">Northing: 5931074</p> <p data-bbox="186 1073 553 1155">Description: Partially buried and surface metal debris (drums, pipe, cans)</p> <p data-bbox="186 1180 553 1209">Location: Camp Road Dump Site</p>	 <p>The first photograph shows a circular metal drum partially buried in a hole in the ground, surrounded by dry leaves and brush. The second photograph shows a long, rusted metal pipe lying on the ground among fallen leaves and twigs. The third photograph shows a large, light-colored log or pipe lying horizontally on the ground in a wooded area with scattered debris.</p>




LOG OF SURFACE DEBRIS AND PHYSICAL HAZARDS

Location ID / Description	Photo(s)
<p><u>09-SD17</u></p> <p>Coordinates (NAD27) Easting: 694443 Northing: 5930981</p> <p>Description: 7 m long 200 mm diameter open steel pipe, 0.9 m of a 200 mm diameter open steel pipe protruding from ground</p> <p>Location: Between South Bulk Fuel Storage Site and Camp Road Drum Storage Site</p>	 <p>The top photograph shows a long, dark-colored steel pipe lying horizontally on a sandy, light-colored ground surface in a wooded area with bare trees. The bottom photograph is a close-up of a pipe protruding from the ground, showing a flanged end with several bolts. The ground around the pipe is sandy and has some sparse vegetation.</p>
<p><u>09-SD18</u></p> <p>Coordinates (NAD27) Easting: 694317 Northing: 5931085</p> <p>Description: 0.4 m of 75 mm diameter steel pipe protruding from ground</p> <p>Location: North of VOR road, north of South Bulk Fuel Storage Site</p>	 <p>This photograph shows a close-up of a pipe protruding from the ground. The pipe is surrounded by a dense layer of dry, brown leaves and bare, grey twigs. The ground appears to be a mix of soil and organic matter.</p>




LOG OF SURFACE DEBRIS AND PHYSICAL HAZARDS

Location ID / Description	Photo(s)
<p><u>09-SD19</u></p> <p>Coordinates (NAD27) Easting: 694306 Northing: 5931223</p> <p>Description: 20 m of steel cable</p> <p>Location: North of Main Access Road, along sewer line</p>	 <p>The top photograph shows a wooded area with many bare, thin branches and a ground covered in fallen yellow and brown leaves. A piece of light-colored wood or debris lies on the ground. The bottom photograph shows a similar wooded area with a prominent, thick, reddish-brown branch in the foreground and a white plastic bag or piece of debris on the ground.</p>
<p><u>09-SD20</u></p> <p>Coordinates (NAD27) Easting: 694297 Northing: 5931229</p> <p>Description: Sewer manhole, 20 m of steel cable</p> <p>Location: North of Main Access Road, along sewer line</p>	 <p>The photograph shows a circular, dark metal manhole cover with a textured, grid-like pattern. It is set in a concrete base. The surrounding area is covered with fallen yellow and brown leaves and bare branches.</p>




LOG OF SURFACE DEBRIS AND PHYSICAL HAZARDS

Location ID / Description	Photo(s)
<p><u>09-SD21</u></p> <p>Coordinates (NAD27) Easting: 694295 Northing: 5931235</p> <p>Description: Sewer manhole</p> <p>Location: North of Main Access Road, along sewer line</p>	
<p><u>09-SD22</u></p> <p>Coordinates (NAD27) Easting: 694294 Northing: 5931245</p> <p>Description: Sewer manhole</p> <p>Location: North of Main Access Road, along sewer line</p>	
<p><u>09-SD23</u></p> <p>Coordinates (NAD27) Easting: 694296 Northing: 5931291</p> <p>Description: Domestic debris, old skidoo, outboard motor, tire</p> <p>Location: North Bulk Fuel Storage Site, near the former tower rubble location</p>	


LOG OF SURFACE DEBRIS AND PHYSICAL HAZARDS

Location ID / Description	Photo(s)
<p><u>09-SD24</u></p> <p>Coordinates (NAD27) Easting: 694284 Northing: 5931368</p> <p>Description: Manhole cover</p> <p>Location: North Bulk Fuel Storage Site</p>	
<p><u>09-SD25</u></p> <p>Coordinates (NAD27) Easting: 694254 Northing: 5931379</p> <p>Description: 12 m long 200 mm diameter steel pipe, valve</p> <p>Location: North Bulk Fuel Storage Site</p>	
<p><u>09-SD26</u></p> <p>Coordinates (NAD27) Easting: 694255 Northing: 5931357</p> <p>Description: 0.3 m of 50 mm diameter steel pipe protruding from ground, valve</p> <p>Location: North Bulk Fuel Storage Site</p>	


LOG OF SURFACE DEBRIS AND PHYSICAL HAZARDS

Location ID / Description	Photo(s)
<p><u>09-SD27</u></p> <p>Coordinates (NAD27) Easting: 694233 Northing: 5931353</p> <p>Description: 2 empty 200 L steel drums</p> <p>Location: North Bulk Fuel Storage Site</p>	
<p><u>09-SD28</u></p> <p>Coordinates (NAD27) Easting: 694288 Northing: 5931210</p> <p>Description: Steel drum, partially buried concrete debris</p> <p>Location: Sewer Site, north of Main Access Road</p>	
<p><u>09-SD29</u></p> <p>Coordinates (NAD27) Not recorded</p> <p>Description: 10 m² of partially buried pipe, metal and concrete debris</p> <p>Location: West Generator Site</p>	



LOG OF SURFACE DEBRIS AND PHYSICAL HAZARDS

Location ID / Description	Photo(s)
<p data-bbox="186 1045 423 1073"><u>09-SD29 (continued)</u></p>	 <p>The top photograph shows a dense thicket of bare, brown branches. In the center-left, a dark, rectangular object is partially visible behind the branches. The middle photograph shows a concrete slab on the ground with a long, rusted metal pipe lying horizontally across it. The bottom photograph shows a concrete slab on the ground with a concrete block and a rusted metal pipe lying near it, with a large pile of branches and debris in the background.</p>


LOG OF SURFACE DEBRIS AND PHYSICAL HAZARDS

Location ID / Description	Photo(s)
<p data-bbox="186 877 289 909"><u>09-SD30</u></p> <p data-bbox="186 934 430 966">Coordinates (NAD27)</p> <p data-bbox="186 961 373 993">Easting: 694195</p> <p data-bbox="186 989 397 1020">Northing: 5931098</p> <p data-bbox="186 1045 560 1182">Description: 100 m stretch of partially buried metal and concrete (50 mm, 200 mm and 300 mm diameter pipes, metal sheeting, drums, valves, cable, etc.)</p> <p data-bbox="186 1207 527 1239">Location: West Generator Site</p>	 <p>The top photograph shows a large, flat piece of metal sheeting lying on the ground, partially covered by fallen leaves and twigs. A large, rusted pipe is also visible in the background. The middle photograph shows a large, rusted pipe lying on the ground, surrounded by fallen leaves and twigs. The bottom photograph shows a pipe partially buried in a wooded area, surrounded by fallen leaves and twigs.</p>

LOG OF SURFACE DEBRIS AND PHYSICAL HAZARDS

Location ID / Description	Photo(s)
<p><u>09-SD31</u></p> <p>Coordinates (NAD27) Easting: 694266 Northing: 5931178</p> <p>Description: 6 m long 200 mm diameter steel pipe (partially buried), 1 m³ of concrete debris</p> <p>Location: North of Transmitter Building site</p>	
<p><u>09-SD32</u></p> <p>Coordinates (NAD27) Easting: 694142 Northing: 5931167</p> <p>Description: 10 m long 50 mm diameter steel pipe, 10 m long 25 mm conduit (partially buried)</p> <p>Location: Service Site</p>	

LOG OF SURFACE DEBRIS AND PHYSICAL HAZARDS

Location ID / Description	Photo(s)
<p><u>09-SD32 (continued)</u></p>	
<p><u>09-SD33</u></p> <p>Coordinates (NAD27) Easting: 694314 Northing: 5931144</p> <p>Description: Tower Debris</p> <p>Location: Transmitter Building</p>	<p>No photo taken</p>