ESS Group: Terrain

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
<th>ESS Name</th>
<th>Location</th>
<th>Start</th>
<th>Stop</th>
<th>UTM Zone</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Enduring Features (Unique Terrain/Soil Features)</td>
<td>Site: 119 to 124</td>
<td>E-768929 N-6289970</td>
<td>E-768975 N-6289947</td>
<td>14N</td>
<td>172 m</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>E-766466 N-6289638</td>
<td>E-766251 N-6289609</td>
<td>14N</td>
<td>217 m</td>
</tr>
</tbody>
</table>

Potential Effects:
Impairment or loss of approximately 36 ha (2.2%) of rare occurrence PAI enduring feature from right-of-way establishment.

Specific Mitigation:
- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion
- Use existing trails, roads or cut lines whenever possible as access routes
- Avoid development of new borrow areas, access routes and other activities within enduring features
- Maintain 100m setback around feature outside of ROW
- Minimize movement of vehicles, machinery and equipment during construction
- Prevent off-ROW activities and equipment use within terrain feature, during construction

ESS Group: Permafrost

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
<th>ESS Name</th>
<th>Location</th>
<th>Start</th>
<th>Stop</th>
<th>UTM Zone</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>N1-S05</td>
<td>N1-S05</td>
<td>Permafrost</td>
<td>Site: 119 to 124</td>
<td>E-768929 N-6289970</td>
<td>E-768975 N-6289947</td>
<td>14N</td>
<td>172 m</td>
</tr>
<tr>
<td>N1-S05</td>
<td>N1-S05</td>
<td>Permafrost</td>
<td>Site: 123 to 124</td>
<td>E-766466 N-6289638</td>
<td>E-766251 N-6289609</td>
<td>14N</td>
<td>217 m</td>
</tr>
</tbody>
</table>

Potential Effects:
Melting or loss of permafrost due to disturbance of the active layer

Specific Mitigation:
- Carry out construction activities on frozen ground to minimize surface damage and rutting.
- Use existing trails, roads or cut lines whenever possible as access routes
- Maintain shrub and herbaceous vegetation to the extent possible
- Remove trees by low-disturbance methods
- Confine vehicle traffic to established trails to the extent possible
- Implement erosion protection before commencing construction in accordance with Erosion/Sediment Control Plan
ESS Group: Terrain

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
<th>ESS Name</th>
<th>Location</th>
<th>Start</th>
<th>Stop</th>
<th>UTM Zone</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-04</td>
<td>N1-Kol. 302</td>
<td>Enduring Features (Unique Terrain/Soil Features)</td>
<td>N76477E N6287070</td>
<td>E75487E N6283837</td>
<td>19W 4911M</td>
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<td></td>
</tr>
</tbody>
</table>

Potential Effects:

Impairment or loss of approximately 0.6 ha (2.2%) of rare occurrence PAI enduring feature from right-of-way establishment.

Specific Mitigation:

- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion
- Use existing trails, roads or cut lines whenever possible as access routes
- Avoid development of new borrow areas, access routes and other activities within enduring features
- Maintain 100m setback around feature outside of ROW
- Minimize movement of vehicles, machinery and equipment during construction
- Prevent off-ROW activities and equipment use within terrain feature, during construction
ESS Group: Water Crossing

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
<th>ESS Name</th>
<th>Easting</th>
<th>Northing</th>
<th>UTM Zone</th>
<th>Channel Width</th>
<th>Wet Width</th>
<th>Fish Habitat Class</th>
<th>Habitat Sensitivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>N1-S06</td>
<td>N1-S06</td>
<td>Endurin</td>
<td>1395/1D</td>
<td>5263/UW</td>
<td>14N</td>
<td>1/N</td>
<td>N/A</td>
<td>LOW</td>
<td>IND FISH HABITAT</td>
</tr>
</tbody>
</table>

**Potential Effects:**
Habitat loss and contamination from structure foundations & installations; increased erosion & sedimentation of streams; Damage to stream banks; Loss of riparian vegetation; Fish habitat disturbances and impeded fish movement; Rutting of floodplain

**Specific Mitigation:**
- Carry out construction activities on frozen ground to minimize surface damage, rutting and erosion
- Use existing trails, roads or cut lines whenever possible as access routes
- Identify and flag buffer areas prior to start of work
- Riparian Buffers shall be a minimum of 30m and increase in size based on slope of land entering waterway. Within those buffers shrub and herbaceous understory veg will be maintained along with trees that do not violate veg clearance requirements.
- 7m no machine zone will restrict equipment in close proximity to the waterbody except at the trail crossing

ESS Group: Permafrost

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
<th>ESS Name</th>
<th>Location</th>
<th>Start</th>
<th>Stop</th>
<th>UTM Zone</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>N1-S06</td>
<td>N1-S06</td>
<td>Permafrost</td>
<td>Site: 127 to 128</td>
<td>E-760380</td>
<td>E-760489</td>
<td>N-179444</td>
<td>14N</td>
</tr>
<tr>
<td>N1-S06</td>
<td>N1-S06</td>
<td>Permafrost</td>
<td>Site: 129 to 130</td>
<td>E-759611</td>
<td>E-759721</td>
<td>N-179360</td>
<td>14N</td>
</tr>
<tr>
<td>N1-S07</td>
<td>N1-S07</td>
<td>Permafrost</td>
<td>Site: 131 to 132</td>
<td>E-759460</td>
<td>E-759437</td>
<td>N-179390</td>
<td>14N</td>
</tr>
</tbody>
</table>

**Potential Effects:**
Melting or loss of permafrost due to disturbance of the active layer

**Specific Mitigation:**
- Carry out construction activities on frozen ground to minimize surface damage and rutting.
- Use existing trails, roads or cut lines whenever possible as access routes
- Maintain shrub and herbaceous vegetation to the extent possible
- Remove trees by low-disturbance methods
- Confin vehicle traffic to established trails to the extent possible
- Implement erosion protection before commencing construction in accordance with Erosion/Sediment Control Plan

ESS Group: Terrain

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
<th>ESS Name</th>
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<th>Start</th>
<th>Stop</th>
<th>UTM Zone</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>N1-S06</td>
<td>N1-S06</td>
<td>Endurin</td>
<td>Site: 125 to 126</td>
<td>E-759857</td>
<td>E-763228</td>
<td>N-179360</td>
<td>14N</td>
</tr>
</tbody>
</table>

**Potential Effects:**
Impairment or loss of approximately 36 ha (2.2%) of rare occurrence PAI enduring feature from right-of-way establishment.

**Specific Mitigation:**
- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion
- Use existing trails, roads or cut lines whenever possible as access routes
- Avoid development of new borrow areas, access routes and other activities within enduring features
- Maintain 10m setback around feature outside of SWM
- Minimize movement of vehicles, machinery and equipment during construction
- Prevent off-ROW activities and equipment use with terrain feature, during construction

MAP NUMBER: 15
ESS Group: Water Crossing

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
<th>ESS Name</th>
<th>Easting</th>
<th>Northing</th>
<th>UTM Zone</th>
<th>Channel Width</th>
<th>Wet Width</th>
<th>Fish Habitat Class</th>
<th>Habitat Sensitivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>N1-507</td>
<td>N1-Aqua-122</td>
<td>Unnamed Tributary of Limestone River</td>
<td>755973</td>
<td>6281452</td>
<td>14N</td>
<td>N/A</td>
<td>N/A</td>
<td>Low</td>
<td>No Fish Habitat</td>
</tr>
</tbody>
</table>

Potential Effects:
Habitat loss and contamination from structure foundations & installations; increased erosion & sedimentation of streams; Damage to stream banks; Loss of riparian vegetation; Fish habitat disturbances and impeded fish movement; Rutting of flooding.

Specific Mitigation:
- Carry out construction activities on frozen ground to minimize surface damage, rutting and erosion
- Use existing trails, roads or cut lines whenever possible as access routes
- Identify and flag buffer areas prior to start of work
- Riparian Buffers shall be a minimum of 30m and increase in size based on slope of land entering waterway. Within these buffers shrub and herbaceous understory veg will be maintained along with trees that do not violate MH Veg Clearance Requirements.
- 7m no machine zone will restrict equipment in close proximity to the waterbody except at the trail crossing

ESS Group: Permafrost

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
<th>ESS Name</th>
<th>Location</th>
<th>Start</th>
<th>Stop</th>
<th>UTM Zone</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>N1-507</td>
<td>N1-Solls-137</td>
<td>Permafrost</td>
<td>Site: 133 to 134</td>
<td>E-757792 N-6262506</td>
<td>E-757109 N-6292110</td>
<td>14N</td>
<td>789 m</td>
</tr>
<tr>
<td>N1-507</td>
<td>N1-Solls-138</td>
<td>Permafrost</td>
<td>Site: 135 to 136</td>
<td>E-756401 N-6281700</td>
<td>E-756048 N-6281495</td>
<td>14N</td>
<td>407 m</td>
</tr>
</tbody>
</table>

Potential Effects:
Melting or loss of permafrost due to disturbance of the active layer

Specific Mitigation:
- Carry out construction activities on frozen ground to minimize surface damage and rutting
- Use existing trails, roads or cut lines whenever possible as access routes
- Maintain shrub and herbaceous vegetation to the extent possible
- Remove trees by low-disturbance methods
- Confining vehicle traffic to established trails to the extent possible
- Implement erosion protection before commencing construction in accordance with Erosion/Sediment Control Plan
ESS Group: Archaeological

Potential Effects:
- Potential disturbance to heritage resources

Specific Mitigation:
- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion
- Identify and flag prior to start of work
- Conduct site investigation with Archaeological, post, clearing and prior to construction
- Minimize surface disturbance around the site to the extent possible
- Inspect excavated materials or surface disturbance for heritage resources and report any finds to Environmental Inspector
- Implement additional mitigation from site investigation

ESS Group: Water Crossing

Potential Effects:
- Habitat loss and contamination from structure foundations & installations; increased erosion & sedimentation of streams; Damage to stream banks; Loss of riparian vegetation; Fish habitat disturbances and impeded fish movement; Rutting of floodplain

Specific Mitigation:
- Carry out construction activities on frozen ground to minimize surface damage, rutting and erosion
- Use existing trails, roads or cut lines whenever possible as access routes
- Identify and flag buffer areas prior to start of work
- Riparian Buffers shall be a minimum of 30m and increase in size based on slope of land entering waterway. Within these buffers shrub and herbaceous understory veg will be maintained along with trees that do not violate NH Veg Clearance Requirements.
- Ym no machine zone will restrict equipment in close proximity to the waterbody except at the trail crossing
- No in-stream works or felling from April 1 - July 15

ESS Group: Intersection

Potential Effects:
- Pedestrian disturbance of access

Specific Mitigation:
- Identify and flag prior to start of work
- Notify Manitoba Infrastructure and Transportation (MIT)/winter road operator and local authorities regarding construction activities and schedule, and address concerns prior to construction
- Avoid surface damage to and obstruction of access route
- Ensure that access road/trail are visible from ROW
- Provide warning signage for vehicle traffic and public safety

ESS Group: Permafrost

Potential Effects:
- Melting or loss of permafrost due to disturbance of the active layer

Specific Mitigation:
- Carry out construction activities on frozen ground to minimize surface damage and rutting.
- Use existing trails, roads or cut lines whenever possible as access routes
- Maintain shrub and herbaceous vegetation to the extent possible
- Remove trees by low-disturbance methods
- Confine vehicle traffic to established trails to the extent possible
- Implement erosion protection before commencing construction in accordance with Erosion/Sediment Control Plan

MAP NUMBER: 17
ESS Group: Permafrost

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
<th>ESS Name</th>
<th>Location</th>
<th>Start</th>
<th>Stop</th>
<th>UTM Zone</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>N1-S07</td>
<td>N1-Scalls-142</td>
<td>Permafrost</td>
<td>Site: 145 to 146</td>
<td>E:751719 N:679889</td>
<td>E:751791 N:679852</td>
<td>14N</td>
<td>147 m</td>
</tr>
<tr>
<td>N1-S08</td>
<td>N1-Scalls-143</td>
<td>Permafrost</td>
<td>Site: 147 to 148</td>
<td>E:748976 N:627898</td>
<td>E:748152 N:627839</td>
<td>14N</td>
<td>824 m</td>
</tr>
</tbody>
</table>

Potential Effects:

Melting or loss of permafrost due to disturbance of the active layer

Specific Mitigation:

- Carry out construction activities on frozen ground to minimize surface damage and rutting.
- Use existing trails, roads or cut lines whenever possible as access routes.
- Maintain shrub and herbaceous vegetation to the extent possible.
- Remove trees by low-disturbance methods.
- Confine vehicular traffic to established trails to the extent possible.
- Implement erosion protection before commencing construction in accordance with Erosion/Sediment Control Plan.
ESS Group: Archaeological

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
<th>ESS Name</th>
<th>Easting</th>
<th>Northing</th>
<th>UTM Zone</th>
</tr>
</thead>
<tbody>
<tr>
<td>N1-S08</td>
<td>N1-Hunt-102</td>
<td>Limestone River</td>
<td>745063</td>
<td>6278993</td>
<td>14N</td>
</tr>
<tr>
<td>N1-S08</td>
<td>N1-Hunt-102</td>
<td>Limestone River</td>
<td>745063</td>
<td>6278993</td>
<td>14N</td>
</tr>
</tbody>
</table>

Potential Effects:
- Surface disturbance to heritage resources due to construction activities.

Specific Mitigation:
- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion.
- Identify and flag prior to start of work.
- Conduct site investigation with Archaeological personnel prior to construction.
- Minimize surface disturbance and report any finds to Environmental Inspector.
- Implement additional mitigation from site investigation.

ESS Group: Water Crossing

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
<th>ESS Name</th>
<th>Easting</th>
<th>Northing</th>
<th>UTM Zone</th>
<th>Channel Width</th>
<th>Wet Width</th>
<th>Fish Habitat Class</th>
<th>Habitat Sensitivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>N1-S08</td>
<td>N1-Aqua-124</td>
<td>Limestone River</td>
<td>745061</td>
<td>6278994</td>
<td>14N</td>
<td>15m</td>
<td>15m</td>
<td>Low</td>
<td>Important</td>
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</table>

Potential Effects:
- Habitat loss and contamination from structure foundations and installations, increased erosion and sedimentation of streams.
- Loss of riparian vegetation, Fish habitat disturbances and impeded fish movement.
- Rutting of floodplain.

Specific Mitigation:
- Carry out construction activities on frozen ground to minimize surface damage, rutting and erosion.
- Use existing trails, roads or cut lines whenever possible as access routes.
- Maintain shrub and herbaceous vegetation to the extent possible.
- Remove trees by low-disturbance methods.
- Confining vehicle traffic to established trails to the extent possible.
- Implement erosion protection before commencing construction in accordance with Erosion/Sediment Control Plan.

ESS Group: Permafrost

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<thead>
<tr>
<th>Sec-Seg ID</th>
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<th>Location</th>
<th>Start</th>
<th>Stop</th>
<th>UTM Zone</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>N1-S08</td>
<td>N1-S08</td>
<td>Permafrost</td>
<td>Site: 147 to 148</td>
<td>E-746876</td>
<td>E-748152</td>
<td>14N</td>
<td>824m</td>
</tr>
<tr>
<td>N1-S08</td>
<td>N1-S08</td>
<td>Permafrost</td>
<td>Site: 149 to 150</td>
<td>E-748058</td>
<td>E-746893</td>
<td>14N</td>
<td>1176m</td>
</tr>
<tr>
<td>N1-S08</td>
<td>N1-S08</td>
<td>Permafrost</td>
<td>Site: 151 to 152</td>
<td>E-746812</td>
<td>E-746526</td>
<td>14N</td>
<td>197m</td>
</tr>
<tr>
<td>N1-S08</td>
<td>N1-S08</td>
<td>Permafrost</td>
<td>Site: 153 to 154</td>
<td>E-746530</td>
<td>E-7465094</td>
<td>14N</td>
<td>436m</td>
</tr>
</tbody>
</table>

Potential Effects:
- Melting or loss of permafrost due to disturbance of the active layer.

Specific Mitigation:
- Carry out construction activities on frozen ground to minimize surface damage and rutting.
- Use existing trails, roads or cut lines whenever possible as access routes.
- Maintain shrub and herbaceous vegetation to the extent possible.
- Remove trees by low-disturbance methods.
- Confining vehicle traffic to established trails to the extent possible.
- Implement erosion protection before commencing construction in accordance with Erosion/Sediment Control Plan.

MAP NUMBER: 19
ESS Group: Permafrost

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
<th>ESS Name</th>
<th>Location</th>
<th>Start</th>
<th>Stop</th>
<th>UTM Zone</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>N1-S08</td>
<td>N1-S08</td>
<td>Permafrost Site: 155 to 156</td>
<td>E-744080 N-6279031</td>
<td>E-74342 N-6279086</td>
<td>14N</td>
<td>838 m</td>
<td></td>
</tr>
<tr>
<td>N1-S08</td>
<td>N1-S08</td>
<td>Permafrost Site: 157 to 158</td>
<td>E-742827 N-6279106</td>
<td>E-742583 N-6279119</td>
<td>14N</td>
<td>264 m</td>
<td></td>
</tr>
</tbody>
</table>

Potential Effects:
Melting or loss of permafrost due to disturbance of the active layer

Specific Mitigation:
- Carry out construction activities on frozen ground to minimize surface damage and rutting.
- Use existing trails, roads or cut lines whenever possible as access routes.
- Maintain shrub and herbaceous vegetation to the extent possible.
- Remove trees by low disturbance methods.
- Confinement of vehicle traffic to established trails to the extent possible.
- Implement erosion protection before commencing construction in accordance with Erosion/Sediment Control Plan.
ESS Group: Water Crossing

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
<th>ESS Name</th>
<th>Easting</th>
<th>Northing</th>
<th>UTM Zone</th>
<th>Channel Width</th>
<th>Wet Width</th>
<th>Fish Habitat Class</th>
<th>Habitat Sensitivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>N1-508</td>
<td>N1-Aqua-125</td>
<td>Unnamed Tributary of Limestone River</td>
<td>739913</td>
<td>629252</td>
<td>14N</td>
<td>3.3m</td>
<td>3.3m</td>
<td>Moderate</td>
<td>Marginal</td>
</tr>
</tbody>
</table>

Potential Effects:
Habitat loss and contamination from structure foundations & installations; increased erosion & sedimentation of streams; Damage to stream banks; Loss of riparian vegetation; Fish habitat disturbances and impeded fish movement; Rutting of floodplain.

Specific Mitigation:
- Carry out construction activities on frozen ground to minimize surface damage, rutting and erosion
- Use existing trails, roads or cut lines whenever possible as access routes
- Identify and flag buffer areas prior to start of work
- Riparian Buffers shall be a minimum of 30m and increase in size based on slope of land entering waterway. Within these buffers shrub and herbaceous understory vegetation will be maintained along with trees that do not violate MH Veg Clearance Requirements.
- No machine zone will restrict equipment in close proximity to the waterbody except at the trail crossing
- No instream works or fording from April 1 - July 15

ESS Group: Permafrost

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
<th>ESS Name</th>
<th>Location</th>
<th>Start</th>
<th>Stop</th>
<th>UTM Zone</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>N1-508</td>
<td>N1-Solls-146</td>
<td>Permafrost</td>
<td>Site: 159 to 160</td>
<td>E-749143 N-627949</td>
<td>E-739732 N-627932</td>
<td>14N</td>
<td>361 m</td>
</tr>
<tr>
<td>N1-508</td>
<td>N1-Solls-146</td>
<td>Permafrost</td>
<td>Site: 163 to 164</td>
<td>E-738470 N-627934</td>
<td>E-738390 N-627932</td>
<td>14N</td>
<td>80 m</td>
</tr>
<tr>
<td>N1-508</td>
<td>N1-Solls-146</td>
<td>Permafrost</td>
<td>Site: 165 to 166</td>
<td>E-736209 N-627937</td>
<td>E-736068 N-627924</td>
<td>14N</td>
<td>140 m</td>
</tr>
<tr>
<td>N1-508</td>
<td>N1-Solls-146</td>
<td>Permafrost</td>
<td>Site: 167 to 168</td>
<td>E-737389 N-627937</td>
<td>E-737096 N-627939</td>
<td>14N</td>
<td>303 m</td>
</tr>
</tbody>
</table>

Potential Effects:
Melting or loss of permafrost due to disturbance of the active layer.

Specific Mitigation:
- Carry out construction activities on frozen ground to minimize surface damage and rutting
- Use existing trails, roads or cut lines whenever possible as access routes
- Maintain shrub and herbaceous vegetation to the extent possible
- Remove trees by low-disturbance methods
- Confine vehicle traffic to established trails to the extent possible
- Implement erosion protection before commencing construction in accordance with Erosion/Sediment Control Plan

ESS Group: Terrain

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
<th>ESS Name</th>
<th>Location</th>
<th>Start</th>
<th>Stop</th>
<th>UTM Zone</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>N1-Suj</td>
<td>N1-Solls-303</td>
<td>Enduring Features (Unique Terrain/Soil Features)</td>
<td>Site: 1b1 to 1b2</td>
<td>E-738706 N-6279308</td>
<td>E-736223 N-6279437</td>
<td>14N</td>
<td>2.6 ft</td>
</tr>
</tbody>
</table>

Potential Effects:
Existing access routes will be utilized and machinery shall not operate outside of the project areas within enduring features.

Specific Mitigation:
- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion
- Use existing trails, roads or cut lines whenever possible as access routes
- Avoid development of new borrow areas, access routes and other activities within enduring features
- Maintain 100m setback around feature outside of ROW
- Minimize movement of vehicles, machinery and equipment during construction
- Prevent off-ROW activities and equipment use within terrain feature, during construction