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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>S1-S20</td>
<td>S1-Hert-107</td>
<td>High ridge south of Assiniboine</td>
<td>534656</td>
<td>5510292</td>
<td>14N</td>
</tr>
<tr>
<td>S1-S21</td>
<td>S1-Hert-108A</td>
<td>Registered Archaeological Site</td>
<td>535498</td>
<td>5510999</td>
<td>14N</td>
</tr>
<tr>
<td>S1-S21</td>
<td>S1-Hert-108B</td>
<td>Registered Archaeological Site</td>
<td>536699</td>
<td>5509807</td>
<td>14N</td>
</tr>
<tr>
<td>S1-S21</td>
<td>S1-Hert-109A</td>
<td>Free soil - tributary to Assiniboine</td>
<td>553485</td>
<td>5510705</td>
<td>14N</td>
</tr>
</tbody>
</table>

Potential Effects:

Potential disturbance to Heritage Resource

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
- Perform site investigation with Archaeologist 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
- The presence of the Project Archaeologist is required to monitor the excavation of tower footings at tower #6207

ESS Group: Forestry

<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>S1-S21</td>
<td>S1-316</td>
<td>Shelterbelt</td>
<td>530880</td>
<td>550753</td>
<td>14N</td>
</tr>
</tbody>
</table>

Potential Effects:

Removal in area of ROW intersect

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
- If burning of clearing debris is required it must be conducted during winter months only and ensure that all fires are extinguished prior to spring break-up
- Notify landowner regarding construction activities and schedule, address concerns prior to start of work
- Use existing access trails, roads or cut lines whenever possible as access routes
- Limit all equipment to project footprint only, where possible
- No damage to vegetation on the edge of the right of way
- No pushing debris into adjacent timber

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>Channel Width</th>
<th>Wet Width</th>
<th>Fish Habitat Class</th>
<th>Habitat Sensitivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1-S21</td>
<td>S1-Aqua 202</td>
<td>Aquifer</td>
<td>531927</td>
<td>551216</td>
<td>14N</td>
<td>No Data</td>
<td>No Data</td>
<td>No Data</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 soil 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 curvatures shrub and herbaceous understory veg will be maintained along with trees that do not violate HM veg Clearance Requirements
- 7m no machine zone will restrict equipment in close proximity to the waterbody except at the trail crossing.
- No in-stream works or fording from April 1 – July 15

ESS Group: Groundwater

<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>S1-S21</td>
<td>S1-Aqua-202</td>
<td>Aquifer</td>
<td>Site: 90 to 100</td>
<td>E-531927</td>
<td>E-535261</td>
<td>14N</td>
<td>4402 m</td>
</tr>
<tr>
<td>S1-S21</td>
<td>S1-Aqua-202</td>
<td>Aquifer</td>
<td>Site: 105 to 107</td>
<td>E-535261</td>
<td>E-537457</td>
<td>14N</td>
<td>2102 m</td>
</tr>
</tbody>
</table>

Potential Effects:

Potential groundwater contamination from a contingency event (e.g., spill)

Specific Mitigation:
- Marshaling yards will be located on upland sites where possible
- An Emergency Preparedness and Spill Response Plan will be developed and an emergency response spill kit will be kept on-site at all times in case of fluid leaks or spills from machinery
- Qualified driller with appropriate experience will be contracted to work in areas affected by artesian conditions
- Emergency response plans for sealing/grouting and pumping will be implemented as required

MAP NUMBER: 293
ESS Group: Forestry

<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>S1-S21</td>
<td>S1-Ruse-317</td>
<td>South Norfolk Woodlots</td>
<td>Size: 109 to 110</td>
<td>E-517259</td>
<td>E-538061</td>
<td>14N</td>
<td>801m</td>
</tr>
</tbody>
</table>

Potential Effects:

Removal in area of ROW intersect

Specific Mitigation:

- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion
- Soak and rip prior to start of work
- If burning of clear-cut debris is required, it must be conducted during winter months only and ensure that all fires are extinguished prior to spring break-up
- Notify landowner regarding construction activities and schedule, and address concerns prior to start of work
- Use existing access trails, roads or cut lines whenever possible as access routes
- Limit all equipment to project footprint only, where possible
- No damage to Vegetation on the edge of the Right of Way
- No pushing debris into adjacent timber

ESS Group: Species of Concern

<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>S1-S20</td>
<td>S1-Eco-302</td>
<td>Species of Concern (Plant)</td>
<td>Site: 89 to 99</td>
<td>E-521927</td>
<td>E-535261</td>
<td>14N</td>
<td>4402 m</td>
</tr>
<tr>
<td>S1-S21</td>
<td>S1-Eco-302</td>
<td>Species of Concern (Plant)</td>
<td>Site: 106 to 108</td>
<td>E-535261</td>
<td>E-538819</td>
<td>14N</td>
<td>3558 m</td>
</tr>
</tbody>
</table>

Potential Effects:

Potential loss of previously known plants of conservation concern from clearing, construction, maintenance and decommissioning activities.

Specific Mitigation:

- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion
- Use existing access roads and trails to the extent possible
- Remove trees by low-disturbance methods
- Confinf vehicle traffic to established trails to the extent possible
- Stabilize sites immediately after construction and re-vegetate disturbed areas in accordance with site Rehabilitation Plan
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Potential Effects:

Removal in area of ROW Intersect

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
- If burning of clearing debris is required it must be conducted during winter months only and ensure that all fires are extinguished prior to spring break-up
- Notify landowner regarding construction activities and schedule, and address concerns prior to start of work
- Use existing access trails, roads or cut lines whenever possible as access routes
- Limit all equipment to project footprint only, where possible
- No damage to vegetation on the edge of the Right of Way
- No pushing debris into adjacent timber

ESS Group: Species of Concern

<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>S1-521</td>
<td>S1-Eco-302</td>
<td>Species of Concern (Plant)</td>
<td>Site: 106 to 108</td>
<td>E-535261</td>
<td>E-538819</td>
<td>14N</td>
<td>3558m</td>
</tr>
<tr>
<td>S1-522</td>
<td>S1-Eco-302</td>
<td>Species of Concern (Plant)</td>
<td>Site: 111 to 112</td>
<td>E-538819</td>
<td>E-538852</td>
<td>14N</td>
<td>3390m</td>
</tr>
</tbody>
</table>

Potential Effects:

Potential loss of previously known plants of conservation concern from clearing, construction, maintenance and decommissioning activities.

Specific Mitigation:

- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion
- Use existing access roads and trails to the extent possible
- Remove trees by low-disturbance methods
- Confine vehicle traffic to established trails to the extent possible
- Stabilize sites immediately after construction and re-vegetate disturbed areas in accordance with site Rehabilitation Plan

ESS Group: Water Crossing

<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>S1-522</td>
<td>S1-Aqua-132</td>
<td>Small, unnamed waterbody</td>
<td>Site: 113 to 114</td>
<td>E-538847</td>
<td>E-538847</td>
<td>14N</td>
<td>22 m</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 Hi Veg Clearance requirements.
- 7m no machine zone will restrict equipment in close proximity to the waterbody except at the trail crossing.
- No in-stream work or fording from April 1 to July 15

MAP NUMBER: 294
Potential Effects:

Removal in area of ROW intersect

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
- If burning of clearing debris is required it must be conducted during winter months only and ensure that all fires are extinguished prior to spring break-up
- Notify landowner regarding construction activities and schedule, and address concerns prior to start of work
- Use existing access trails, roads or cut lines whenever possible as access routes
- Limit all equipment to project footprint only, where possible
- No damage to vegetation on the edge of the Right of Way
- No pushing debris into adjacent timber

ESS Group: Forestry

<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>S1-S22</td>
<td>S1-Ruse-319</td>
<td>Shelterbelt</td>
<td>Site: 119 to 120</td>
<td>E-539868 N-5505348</td>
<td>E-539868 N-5505348</td>
<td>14N</td>
<td>15m</td>
</tr>
</tbody>
</table>

Potential Effects:

Removal in area of ROW intersect

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
- If burning of clearing debris is required it must be conducted during winter months only and ensure that all fires are extinguished prior to spring break-up
- Notify landowner regarding construction activities and schedule, and address concerns prior to start of work
- Use existing access trails, roads or cut lines whenever possible as access routes
- Limit all equipment to project footprint only, where possible
- No damage to vegetation on the edge of the Right of Way
- No pushing debris into adjacent timber

ESS Group: Habitat

<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>S1-S22</td>
<td>S1-Eco-121</td>
<td>Species of Concern/Dry Upland Prairie</td>
<td>Site: 119 to 120</td>
<td>E-539863 N-5505374</td>
<td>E-539863 N-5505348</td>
<td>14N</td>
<td>15m</td>
</tr>
<tr>
<td>S1-S22</td>
<td>S1-Eco-100</td>
<td>Species of Concern/Dry Upland Prairie</td>
<td>Site: 117 to 118</td>
<td>E-539863 N-5505327</td>
<td>E-539863 N-5505286</td>
<td>14N</td>
<td>41m</td>
</tr>
<tr>
<td>S1-S22</td>
<td>S1-Eco-101</td>
<td>Species of Concern/Dry Upland Prairie</td>
<td>Site: 121 to 122</td>
<td>E-539863 N-5503389</td>
<td>E-539863 N-5503348</td>
<td>14N</td>
<td>41m</td>
</tr>
<tr>
<td>S1-S22</td>
<td>S1-Eco-102</td>
<td>Species of Concern/Dry Upland Prairie</td>
<td>Site: 123 to 124</td>
<td>E-539885 N-5503505</td>
<td>E-539885 N-5502918</td>
<td>14N</td>
<td>132m</td>
</tr>
<tr>
<td>S1-S22</td>
<td>S1-Eco-103</td>
<td>Species of Concern/Dry Upland Prairie</td>
<td>Site: 125 to 126</td>
<td>E-539885 N-5502509</td>
<td>E-539885 N-5502259</td>
<td>14N</td>
<td>249m</td>
</tr>
</tbody>
</table>

Potential Effects:

Potential loss of previously known plants of conservation concern from clearing, construction, maintenance and decommissioning activities

Specific Mitigation:

- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion
- Use existing access roads and trails to the extent possible
- Remove trees by low-disturbance methods
- Confin e vehicle traffic to established trails to the extent possible
- Stabilize sites immediately after construction and re-vegetate disturbed areas in accordance with site Rehabilitation Plan

MAP NUMBER: 295
ESS Group: Forestry

Potential Effects:
Removal in area of ROW Intersect

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
- If burning of clearing debris is required it must be conducted during winter months only and ensure that all fires are extinguished prior to spring break-up
- Notify landowner regarding construction activities and schedule, and address concerns prior to start of work
- Use existing access trails, roads or cut lines whenever possible as access routes
- Limit all equipment to project footprint only, where possible
- No damage to vegetation on the edge of the Right-of-Way
- No pushing debris into adjacent timber

ESS Group: Forestry

Potential Effects:
Removal in area of ROW Intersect

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
- If burning of clearing debris is required it must be conducted during winter months only and ensure that all fires are extinguished prior to spring break-up
- Notify landowner regarding construction activities and schedule, and address concerns prior to start of work
- Use existing access trails, roads or cut lines whenever possible as access routes
- Limit all equipment to project footprint only, where possible
- No damage to vegetation on the edge of the Right-of-Way
- No pushing debris into adjacent timber

ESS Group: Water Crossing

Potential Effects:
Habitat loss and contamination from structure foundations & instablizations; 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 50 yards or 15 meters in size based on slope and/or area entering waterway, within these buffers shrub and herbaceous understory veg will be maintained along with trees that do not violate Min Veg Clearance Requirements.
- 7m no machine zone will restrict equipment in close proximity to the waterbody except at the trail crossing

ESS Group: Intersection

Potential Effects:
Potential interference with snowmobilers; safety issues

Specific Mitigation:
- Identify and flag prior to start of work
- Avoid surface damage to and obstruction of access route
- Post warning markers and signs at snowmobile trail location
- Notify snowmobile club/users and local authorities regarding construction activities and schedule, and address concerns prior to construction
### ESS Group: Habitat

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
<th>ESS Name</th>
<th>Site Location</th>
<th>Start UTM Zone</th>
<th>Stop UTM Zone</th>
<th>UTM Zone</th>
<th>Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>51-56.5</td>
<td>S1-CO-155</td>
<td>Species of Concern/Dry Upland Prairie</td>
<td>Site: 1.29 to 1.31</td>
<td>E:53918097 N:5501675</td>
<td>E:53918097 N:5501625</td>
<td>14N</td>
<td>1.44 m</td>
</tr>
<tr>
<td>S1-S24</td>
<td>S1-Eco-104</td>
<td>Species of Concern/Dry Upland Prairie</td>
<td>Site: 1.31 to 1.32</td>
<td>E:539833 N:5499127</td>
<td>E:539833 N:5499041</td>
<td>14N</td>
<td>85 m</td>
</tr>
<tr>
<td>S1-S25</td>
<td>S1-Eco-104</td>
<td>Species of Concern/Dry Upland Prairie</td>
<td>Site: 1.53 to 1.54</td>
<td>E:540822 N:5498957</td>
<td>E:540822 N:5498809</td>
<td>14N</td>
<td>148 m</td>
</tr>
</tbody>
</table>

### Potential Effects:

Potential loss of previously known plants of conservation concern from clearing, construction, maintenance and decommissioning activities.

### Specific Mitigation:

- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion
- Use existing access roads and trails to the extent possible
- Remove trees by low-disturbance methods
- Confine vehicle traffic to established trails to the extent possible
- Stabilize sites immediately after construction and re-vegetate disturbed areas in accordance with site Rehabilitation 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>S1-525</td>
<td>S1-Aqu1-134</td>
<td>unnamed small wetland area</td>
<td>539814</td>
<td>5500670</td>
<td>14N</td>
<td>No Data</td>
<td>No Data</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 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 mark buffer areas prior to start of work
- Riparian buffers shall be maintained at a minimum of 15m and increase in size based on slope or 1:1 slope 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: Forestry

<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>S1-524</td>
<td>S1-RUse-322</td>
<td>Shelterbelt</td>
<td>Site: 135 to 136</td>
<td>E-539839 N-5498286</td>
<td>E-539839 N-5498272</td>
<td>14N</td>
<td>14m</td>
</tr>
</tbody>
</table>

Potential Effects:

Removal in area of ROW Intersect

Specific Mitigation:

- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion
- Identify and mark prior to start of work
- If burning of clearing debris is required it must be conducted during winter months only and ensure that all fires are extinguished prior to spring break-up
- Notify landowner regarding construction activities and schedule, and address concerns prior to start of work
- Use existing access trails, roads or cut lines whenever possible as access routes
- Limit all equipment to project footprint only, where possible
- No damage to Vegetation on the edge of the Right of Way
- No pushing debris into adjacent timber
ESS Group: Intersection

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
<th>Location</th>
<th>ESS Name</th>
<th>Crossing Coordinates</th>
<th>UTM Zone</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1-525</td>
<td>S1-RectUse-101</td>
<td>CS</td>
<td>Snowmobile Trail</td>
<td>E:544727 N:4697497</td>
<td>14N</td>
</tr>
</tbody>
</table>

Potential Effects:
- Potential interference with snowmobiles; safety issue

Specific Mitigation:
- Identify and flag prior to start of work
- Avoid surface damage to and obstruction of access route
- Post warning markers and signs at snowmobile trail location
- Notify snowmobile club/users and local authorities regarding construction activities and schedule, and address concerns prior to construction
No specific mitigation measures for this map, page intentionally left blank.
**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>S1-S27</td>
<td>S1-Lert-110</td>
<td>Grove of trees</td>
<td>553446</td>
<td>5496647</td>
<td>14N</td>
</tr>
</tbody>
</table>

**Potential Effects:**

Potential disturbance to Heritage Resource

**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 Archaeologist 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: Forestry**

<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>S1-S27</td>
<td>S1-Ruse-323</td>
<td>Shelterbelt</td>
<td>Site: 137 to 138</td>
<td>E-552400 N-5496681</td>
<td>E-552408 N-5496681</td>
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<tr>
<td>S1-S27</td>
<td>S1-Ruse-324</td>
<td>Shelterbelt</td>
<td>Site: 139 to 140</td>
<td>E-552548 N-5496665</td>
<td>E-552552 N-5496665</td>
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<td>3 m</td>
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</tbody>
</table>

**Potential Effects:**

Removal in area of ROW intersect

**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
- If burning of clearing debris is required, it must be conducted during winter months only and ensure that all fires are extinguished prior to spring break-up
- Notify landowner regarding construction activities and schedule, and address concerns prior to start of work
- Use existing access trails, roads or cut lines whenever possible as access routes
- Limit all equipment to project footprint only, where possible
- No damage to Vegetation on the edge of the Right o’ Way
- No pushing debris into adjacent timber
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>
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<tbody>
<tr>
<td>S1-530</td>
<td>S1-Hert-111</td>
<td>Creek bed</td>
<td>562628</td>
<td>5497635</td>
<td>14N</td>
</tr>
</tbody>
</table>

Potential Effects:
- Potential disturbance to Heritage Resource

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 Archaeologist post cleaning 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: Forestry

<table>
<thead>
<tr>
<th>Sec-Seg ID</th>
<th>ESS ID</th>
<th>ESS Name</th>
<th>Location</th>
<th>Start E</th>
<th>Stop E</th>
<th>UTM Zone</th>
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<tr>
<td>S1-529</td>
<td>S1-Ruse-325</td>
<td>Shelterbelt</td>
<td>Site: 141 to 142</td>
<td>E-559496 N-5496999</td>
<td>E-559503 N-5496998</td>
<td>14N</td>
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<tr>
<td>S1-529</td>
<td>S1-Ruse-326</td>
<td>Shelterbelt</td>
<td>Site: 143 to 144</td>
<td>E-559783 N-5497307</td>
<td>E-559792 N-5497318</td>
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<td>S1-529</td>
<td>S1-Ruse-327</td>
<td>Shelterbelt</td>
<td>Site: 145 to 146</td>
<td>E-559875 N-5497409</td>
<td>E-559882 N-5497416</td>
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<td>S1-529</td>
<td>S1-Ruse-328</td>
<td>Shelterbelt</td>
<td>Site: 147 to 148</td>
<td>E-559950 N-5497492</td>
<td>E-559957 N-5497500</td>
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<td>Site: 149 to 150</td>
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<td>S1-530</td>
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<td>Site: 151 to 152</td>
<td>E-561190 N-5497793</td>
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<td>S1-530</td>
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<td>Site: 153 to 154</td>
<td>E-663069 N-5497656</td>
<td>E-663074 N-5497656</td>
<td>14N</td>
<td>5 m</td>
</tr>
</tbody>
</table>

Potential Effects:
- Removal in area of ROW intersect

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