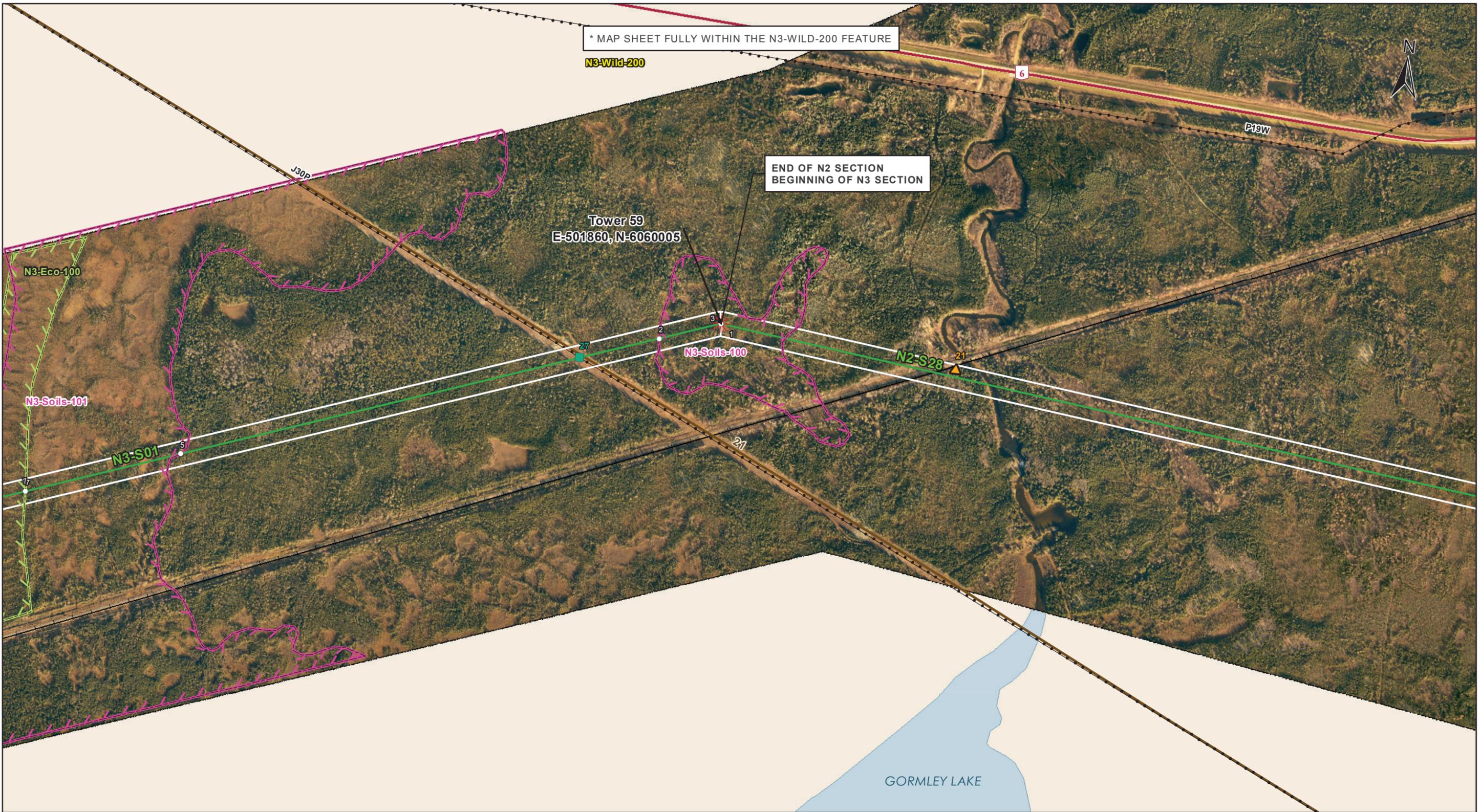


DOCUMENT PATH: G:\\_GIS\_PROJECT\_FOLDER0111440054\_BPIII\_EPPARCMAPIESS\_N3\BPIII\_CENVPP\_NIN2\N3\4C1SECTIONBASEMAP\_MAPBOOK\_BTIB\_STANTEC\_20131128A.MXD



\* MAP SHEET FULLY WITHIN THE N3-WILD-200 FEATURE

END OF N2 SECTION  
BEGINNING OF N3 SECTION

Tower 59  
E-501860, N-6060005

GORMLEY LAKE



Coordinate System: UTM Zone 14N NAD83  
Data Source: MB Hydro, ProvMB, NRCAN  
Date Created: November 29, 2013

0 125 250 500  
Metres  
1:10,000

- Land Base**
- Transmission Line
  - Highway
  - Major Road
  - Local Road
  - Winter Road
  - Railway (Operational)
  - Railway (Discontinued)
  - Mining
  - Provincial Park

- Project Infrastructure**
- Angle Tower Locations
  - BPIII Final Preferred Route
  - 66 m Right of Way

- Points of Access\***
- Proposed Access Point
  - Major Stream Crossing
  - Abandoned Rail Crossing
  - Rail Crossing
  - Transmission Line Crossing
  - Proposed Access Route
- \*Labels correspond to BPIII Access Management Database

- ESS Features**
- Wildlife**
  - Mammals and Habitat
  - Ecosystem**
  - Habitat
  - Soils and Terrain**
  - Permafrost

**Bipole III Transmission Project  
Construction Environmental Protection Plan  
Construction Section N3  
Environmentally Sensitive Site Locations**

MAP NUMBER: 111

ESS Group : Permafrost

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
N3-S01	N3-Soils-100	Permafrost	Site: 1 to 2	E-501860 N-6060005	E-501698 N-6059946	14N	173m
N3-S01	N3-Soils-101	Permafrost	Site: 5 to 6	E-500444 N-6059487	E-492274 N-6056499	14N	8699m

**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
- Avoid organic soils containing permafrost to the extent possible
- 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 : Habitat

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
N3-S01	N3-Eco-100	Patterned Fen	Site: 7 to 8	E-500037 N-6059338	E-497319 N-6058344	14N	2894m

**Potential Effects:**

*Potential loss of species 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
- Provide 5 m vegetated (shrub and herbaceous) buffer around site
- Remove trees by low-disturbance methods
- Confine vehicle traffic to established trails to the extent possible
- Install erosion protection and sediment control measures in accordance with Erosion/Sediment Control Plan

ESS Group : Mammals and Habitat

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
N3-S01	N3-Wild-200	Sensitive Caribou Range	Site: 3 to 4	E-501860 N-6060005	E-491200 N-6056106	14N	11351m

**Potential Effects:**

*Potential disturbance to and loss of sensitive caribou habitat*

**Specific Mitigation:**

- Harvest within caribou range boundary will not include shear blading except for access, conductor stringing trails, and tower footprints.
- No shear blading to clear the right of way (ROW) in the sensitive range. Selective cutting methods will only be used to remove danger trees, vegetation within tower footprint, access route, and helicopter access points, to maintain low tree, shrub and herb plant communities on the ROW. Use existing access roads and trails to the extent possible
- Maintenance trails to be maintained to reduce line of sight for hunters and predators. Remove trees by low-disturbance methods
- Annual ground inspection of towers to occur late in winter season to avoid creating packed snow trails that facilitate predator use of the ROW.
- Any Manitoba Hydro constructed or improved access routes used to access the ROW for construction that will not be needed for future maintenance will be decommissioned on completion of construction. Any culverts or road improvements will be removed and the first 100 m from of the trail dug up to the extent possible. Available slash <1 m in height will also be evenly distributed over the access route to reduce the possibility of use by ATV traffic.

DOCUMENT PATH: G:\GIS\_PROJECT\_FOLDER\011440054\_BPIII\_EPPARCMAPIESS\_N3\BPIII\_CENVPP\_NTIN2N3N4C1SECTIONBASEMAP\_MAPBOOK\_BTIB\_STANTEC\_20131128A.MXD

\* MAP SHEET FULLY WITHIN THE N3-WILD-200 FEATURE

N3-Wild-200



Coordinate System: UTM Zone 14N NAD83  
 Data Source: MB Hydro, ProvMB, NRCAN  
 Date Created: November 29, 2013

1:10,000

- Land Base**
- Transmission Line
  - Highway
  - Major Road
  - Local Road
  - Winter Road
  - Railway (Operational)
  - Railway (Discontinued)
  - Mining
  - Provincial Park

- Project Infrastructure**
- ★ Angle Tower Locations
  - BPIII Final Preferred Route
  - 66 m Right of Way

- Points of Access\***
- Proposed Access Point
  - Major Stream Crossing
  - ▲ Abandoned Rail Crossing
  - ▲ Rail Crossing
  - Transmission Line Crossing
  - Proposed Access Route
- \*Labels correspond to BPIII Access Management Database

- ESS Features**
- Wildlife**
  - Mammals and Habitat
  - Ecosystem**
  - Habitat
  - Soils and Terrain**
  - Permafrost

**Bipole III Transmission Project  
 Construction Environmental Protection Plan  
 Construction Section N3  
 Environmentally Sensitive Site Locations**

MAP NUMBER : 112

ESS Group : Habitat

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
N3-S01	N3-Eco-100	Patterned Fen	Site: 7 to 8	E-500037 N-6059338	E-497319 N-6058344	14N	2894m
N3-S01	N3-Eco-100	Patterned Fen	Site: 9 to 10	E-496745 N-6058134	E-495151 N-6057551	14N	1697m

**Potential Effects:**

*Potential loss of species 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
- Provide 5 m vegetated (shrub and herbaceous) buffer around site
- Remove trees by low-disturbance methods
- Confine vehicle traffic to established trails to the extent possible
- Install erosion protection and sediment control measures in accordance with Erosion/Sediment Control Plan

ESS Group : Permafrost

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
N3-S01	N3-Soils-101	Permafrost	Site: 5 to 6	E- 500444 N- 6059487	E-492274 N-6056499	14N	8699m

**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.
- Avoid organic soils containing permafrost to the extent possible
- 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 : Mammals and Habitat

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
N3-S01	N3-Wild-200	Sensitive Caribou Range	Site: 3 to 4	E-501860 N-6060005	E-491200 N-6056106	14N	11351m

**Potential Effects:**

*Potential disturbance to and loss of sensitive caribou habitat*

**Specific Mitigation:**

- Harvest within caribou range boundary will not include shear blading except for access, conductor stringing trails, and tower footprints.
- No shear blading to clear the right of way (ROW) in the sensitive range. Selective cutting methods will only be used to remove danger trees, vegetation within tower footprint, access route, and helicopter access points, to maintain low tree, shrub and herb plant communities on the ROW. Use existing access roads and trails to the extent possible
- Maintenance trails to be maintained to reduce line of sight for hunters and predators. Remove trees by low-disturbance methods
- Annual ground inspection of towers to occur late in winter season to avoid creating packed snow trails that facilitate predator use of the ROW.
- Any Manitoba Hydro constructed or improved access routes used to access the ROW for construction that will not be needed for future maintenance will be decommissioned on completion of construction. Any culverts or road improvements will be removed and the first 100 m from of the trail dug up to the extent possible. Available slash <1 m in height will also be evenly distributed over the access route to reduce the possibility of use by ATV traffic.