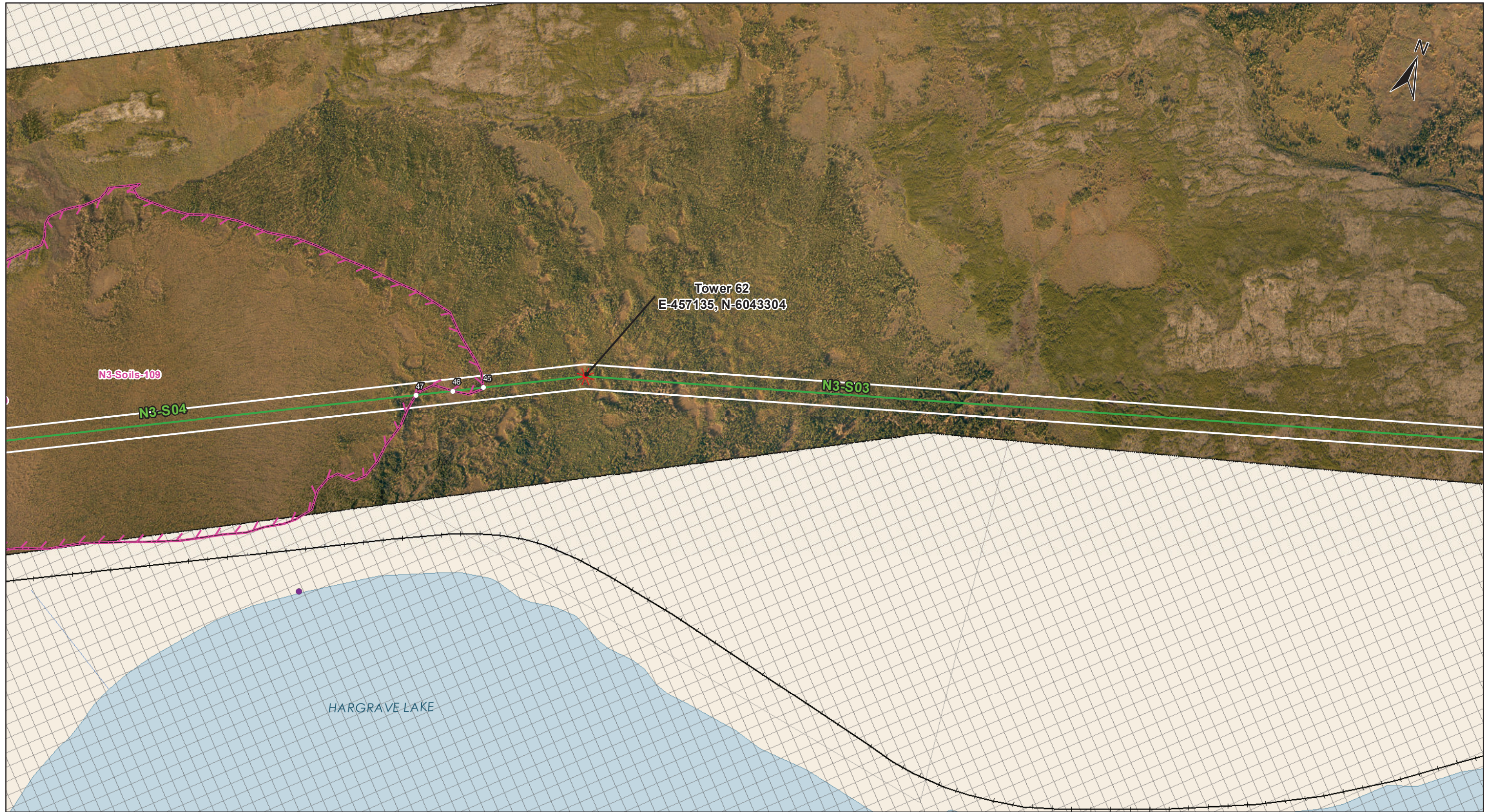


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Coordinate System: UTM Zone 14N NAD83  
 Data Source: MB Hydro, ProvMB, NRCAN  
 Date Created: November 29, 2013

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**
- Heritage**
- Archaeological
- Soils and Terrain**
- Permafrost

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

**MAP NUMBER :** 123

**ESS Group :** Groundwater

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
N3-S04	N3-Soils-109	Permafrost	Site: 45 to 46	E-456890 N-6043175	E-456816 N-6043136	14N	83m
N3-S04	N3-Soils-109	Permafrost	Site: 47 to 48	E-456728 N-6043089	E-455490 N-6042435	14N	1400m

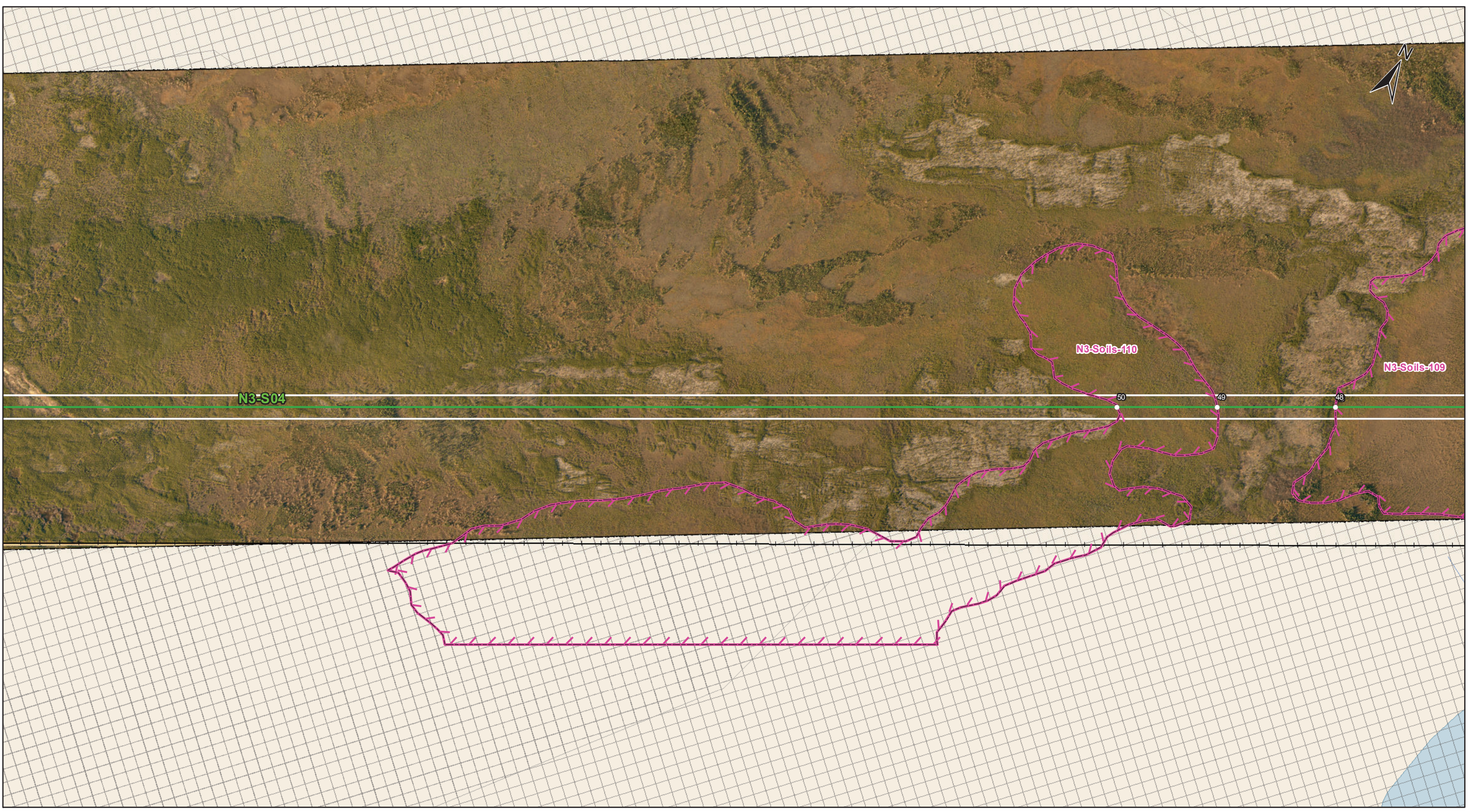
**Potential Effects:**

*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

DOCUMENT PATH: G:\\_GIS\_PROJECT\_FOLDER00\_HYDRO\11440054\_BPIII\_EPPARCMAPIESS\_N3\BPIII\_CENVPP\_NIN2N3N4C1SECTIONBASEMAP\_MAPBOOK\_BTIB\_STANTEC\_20131128A.MXD



Coordinate System: UTM Zone 14N NAD83  
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 Date Created: November 29, 2013

0 125 250 500  
 Metres  
 1:10,000

- Land Base**
- Transmission Line
  - Highway
  - Major Road
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  - Winter Road
  - Railway (Operational)
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- 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**
- Soils and Terrain
  - Permafrost

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

**MAP NUMBER :** 124

**ESS Group :** Permafrost

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
N3-S04	N3-Soils-109	Permafrost	Site: 47 to 48	E-456728 N-6043089	E-455490 N-6042435	14N	1400m
N3-S04	N3-Soils-110	Permafrost	Site: 49 to 50	E-455204 N-6042284	E-454962 N-6042156	14N	273m

**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