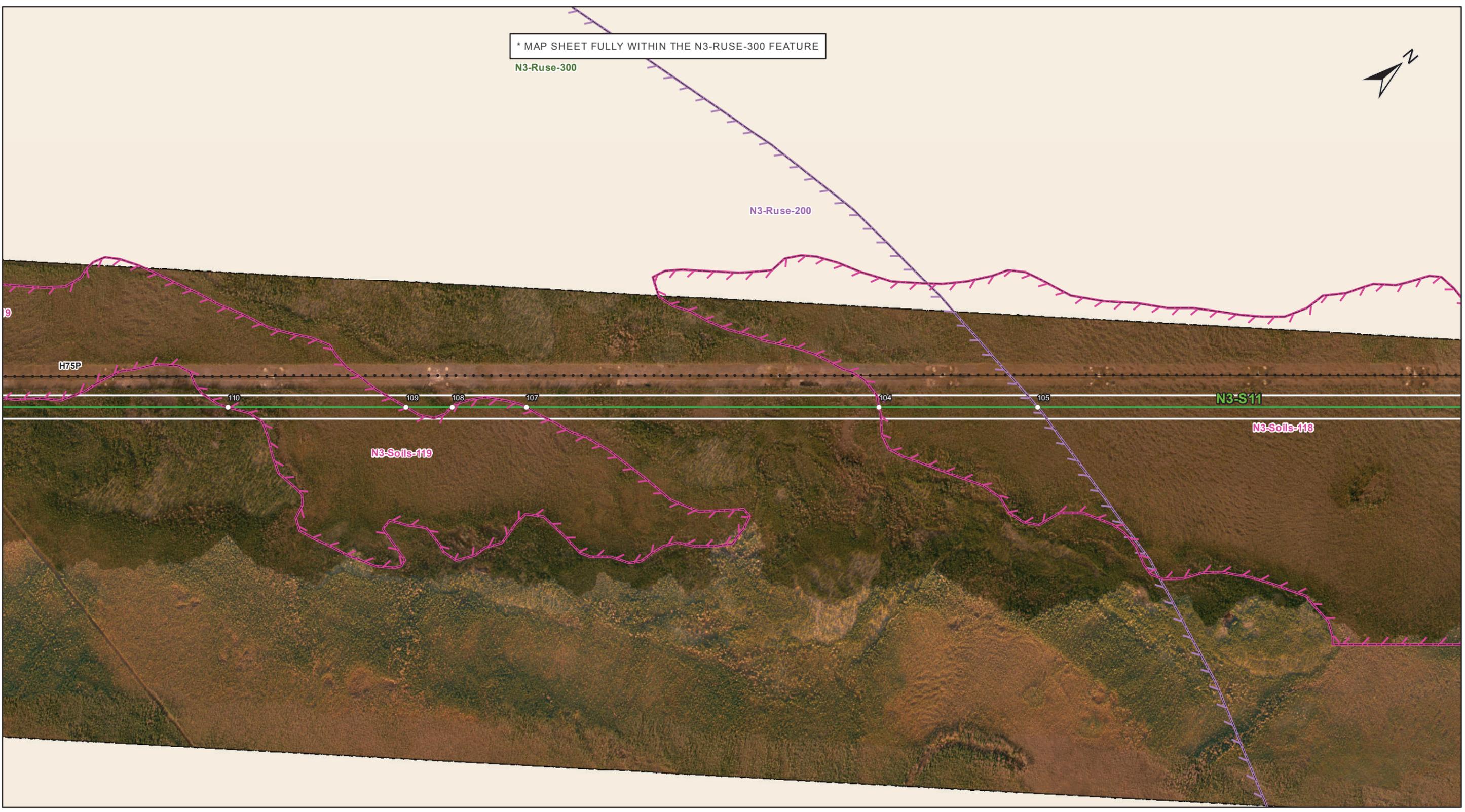


DOCUMENT PATH: G:\GIS\PROJECT_FOLDER\11440054_BPIII_EPP\ARCMAPIESS_N3\BPIII_CENVPP_NIN2\N3\4C1\SECTIONBASEMAP_MAPBOOK_BTIB_STANTEC_20131128A.MXD



* MAP SHEET FULLY WITHIN THE N3-RUSE-300 FEATURE

N3-Ruse-300

N3-Ruse-200

H75P

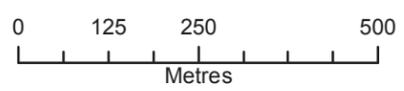
N3-S11

N3-Soils-119

N3-Soils-118



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

- Resource Use**
- Food/Medicinal
- Forestry
- Soils and Terrain**
- Permafrost

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

MAP NUMBER : 137

ESS Group : Permafrost

| Sec-Seg ID | ESS ID | ESS Name | Location | Start | Stop | UTM Zone | Distance |
|------------|--------------|------------|------------------|-----------------------|-----------------------|----------|----------|
| N3-S11 | N3-Soils-118 | Permafrost | Site: 103 to 104 | E-414259 N-6014526 | E-412982 N-6012989 | 14N | 1998 m |
| N3-S11 | N3-Soils-119 | Permafrost | Site: 107 to 108 | E-412363 N-6012245 | E-412234 N-6012089 | 14N | 203m |
| N3-S11 | N3-Soils-119 | Permafrost | Site: 109 to 110 | E-412153 N-6011992 | E-411841 N-6011617 | 14N | 488 m |

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 : Forestry

| Sec-Seg ID | ESS ID | ESS Name | Location | Start | Stop | UTM Zone | Distance |
|------------|-------------|----------------|------------------|-----------------------|-----------------------|----------|----------|
| N3-S11 | N3-RUse-300 | Fuel Wood Area | Site: 101 to 102 | E-414450 N-6014756 | E-409095 N-6008312 | 14N | 8378 m |

Potential Effects:

Potential to disrupt access to fuel wood area

Specific Mitigation:

- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion
- Avoid surface damage to and obstruction of access route
- Make fuel wood from ROW clearing available to local community where demand exists

ESS Group : Food/Medicinal

| Sec-Seg ID | ESS ID | ESS Name | Location | Start | Stop | UTM Zone | Distance |
|------------|-------------|-------------------------|------------------|-----------------------|-----------------------|----------|----------|
| N3-S11 | N3-RUse-200 | Medicine Gathering Area | Site: 105 to 106 | E-413260 N-6013324 | E-409311 N-6008572 | 14N | 6179m |

Potential Effects:

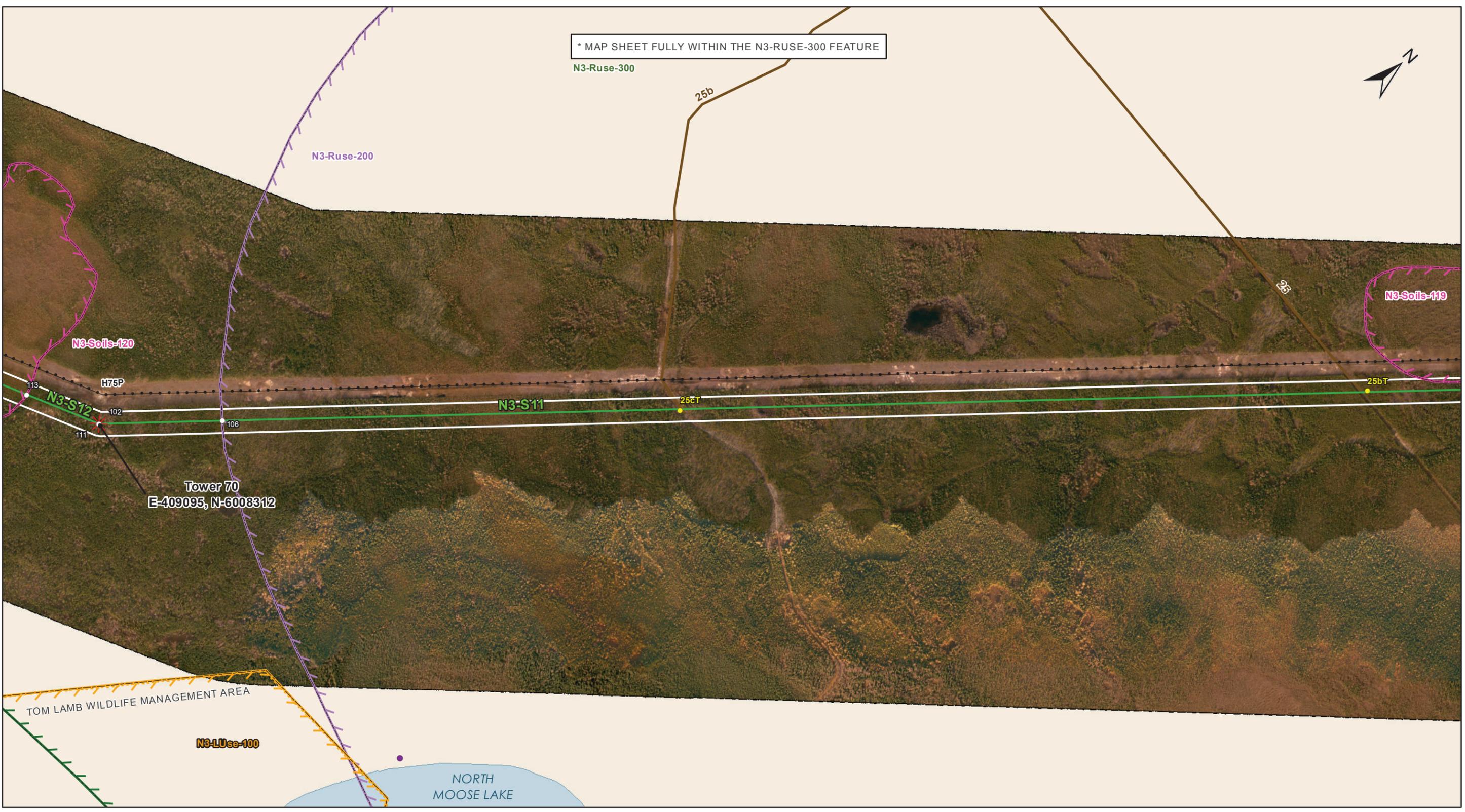
Loss of plant habitat and therefore loss of traditional medicinal gathering sites

Specific Mitigation:

- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion
- Minimize surface disturbance around the site to the extent possible
- Remove trees by low-disturbance methods
- No Herbicide to be applied during construction
- Confine vehicle traffic to established trails to the extent possible

DOCUMENT PATH: G:_GIS_PROJECT_FOLDER\00_HYDRO\11440054_BPIII_EPP\ARCMAPIESS_N3\BPIII_CENVPP_NIN2\N3\4C1SECTION\BASEMAP_MAPBOOK_BTIB_STANTEC_20131128A.MXD

* MAP SHEET FULLY WITHIN THE N3-RUSE-300 FEATURE



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

Land Use

- Conservation

Resource Use

- Food/Medicinal
- Forestry

Soils and Terrain

- Permafrost

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

MAP NUMBER : 138

ESS Group : Permafrost

| Sec-Seg ID | ESS ID | ESS Name | Location | Start | Stop | UTM Zone | Distance |
|------------|--------------|------------|------------------|-----------------------|-----------------------|----------|----------|
| N3-S11 | N3-Soils-119 | Permafrost | Site: 107 to 108 | E-412363 N-6012245 | E-412234 N-6012089 | 14N | 203m |
| N3-S11 | N3-Soils-119 | Permafrost | Site: 109 to 110 | E-412153 N-6011992 | E-411841 N-6011617 | 14N | 488m |
| N3-S12 | N3-Soils-120 | Permafrost | Site: 113 to 114 | E-408904 N-6008215 | E-408339 N-6007929 | 14N | 634m |

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 : Forestry

| Sec-Seg ID | ESS ID | ESS Name | Location | Start | Stop | UTM Zone | Distance |
|------------|-------------|----------------|------------------|-----------------------|-----------------------|----------|----------|
| N3-S11 | N3-RUse-300 | Fuel Wood Area | Site: 101 to 102 | E-414450 N-6014756 | E-409095 N-6008312 | 14N | 8378m |
| N3-S11 | N3-RUse-300 | Fuel Wood Area | Site: 111 to 112 | E-409095 N-6008312 | E-407513 N-6007510 | 14N | 1174m |

Potential Effects:

Potential to disrupt access to fuel wood area

Specific Mitigation:

- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion
- Avoid surface damage to and obstruction of access route
- Make fuel wood from ROW clearing available to local community where demand exists

ESS Group : Food/Medicinal

| Sec-Seg ID | ESS ID | ESS Name | Location | Start | Stop | UTM Zone | Distance |
|------------|-------------|-------------------------|------------------|-----------------------|-----------------------|----------|----------|
| N3-S11 | N3-RUse-200 | Medicine Gathering Area | Site: 105 to 106 | E-413260 N-6013324 | E-409311 N-6008572 | 14N | 6179m |

Potential Effects:

Loss of plant habitat and therefore loss of traditional medicinal gathering sites

Specific Mitigation:

- Carry out construction activities on frozen or dry ground to minimize surface damage, rutting and erosion
- Minimize surface disturbance around the site to the extent possible
- Remove trees by low-disturbance methods
- No Herbicide to be applied during construction
- Confine vehicle traffic to established trails to the extent possible