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MAP SHEET FULLY WITHIN THE S1-ECO-302 FEATURE

N

S1-Eco-302

ASSINIBOINE RIVER

S1-RUse-500

S1-RUse-317

S1-Hert-107

6207

6208

S1-S20

S1-Hert-108

105

99

100

106

6209

ROAD 50N

S1-RUse-316

6210

S1-S21

6211

S1-Hert-108A

6212

S1-Hert-108B

6213

6214

109

107

S1-Hert-109

S1-Aqua-131

6215

110

6216

S1-Aqua-202

ROAD 45W

NW-16-9-8-W

NE-16-9-8-W

SW-16-9-8-W

SE-16-9-8-W

SE-17-9-8-W

SW-16-9-8-W

NW-17-9-8-W

NW-9-9-8-W

NE-9-9-8-W

NW-10-9-8-W

SW-10-9-8-W

SE-9-9-8-W

NW-8-9-8-W

NE-8-9-8-W

Manitoba Hydro

Coordinate System: UTM Zone 14N NAD83
Data Source: MB Hydro, ProvMB, NRCAN
Date Created: January 23, 2017
Version: Final 2.03

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Metres

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Land Base
- Transmission Line
- Highway
- Major Road
- Local Road
- Railway (Operational)
- Railway (Discontinued)
- First Nation
- Mining
- Provincial Forest
- Parcel Fabric

Project Infrastructure
- Angle Tower Locations
- Towers (Preliminary)
- BPIII Final Preferred Route
- 66 m Right of Way

*Towers are subject to change, and are only used as a rough guide

Sensitive Sites
- Point Features
- Linear Features
- Area Features

*Currently outside the Project footprint

Points of Access*
- Proposed Access Point
- Major Stream Crossing
- Abandoned Rail Crossing
- Rail Crossing
- Transmission Line Crossing
- Approved Access Route

ESS Features

Heritage
- Archaeological

Heritage
- Archaeological

Resource Use
- Forestry

Water
- Water Crossing

BPIII_ENVPP_EnvironSensSites_MH_CM_LN

Resource Use
- Fishing
- Trapping

Ecosystem
- Species of Concern

Resource Use
- Forestry

Water
- Groundwater

Bipole III Transmission Project
Construction Environmental Protection Plan
Construction Section S1
Environmentally Sensitive Site Locations

Map 293

ESS Group: Archaeological

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone
S1-S20	S1-Hert-107	High ridge south of Assiniboine	534656	5510292	14N
S1-S20	S1-Hert-108	Potential Archaeological Site	535146	5509899	14N
S1-S21	S1-Hert-108A	Registered Archaeological Site	536199	5509807	14N
S1-S21	S1-Hert-108B	Registered Archaeological Site	536877	5509800	14N
S1-S21	S1-Hert-109	Creek bed - tributary to Assiniboine	537484	5509799	14N

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

ESS Group: Forestry

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone
S1-S21	S1-RUse-316	Shelterbelt	538880	5504753	14N

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

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone	Channel Width	Wet Width	Fish Habitat Class	Habitat Sensitivity
S1-S21	S1-Aqua-131	Small, unnamed waterbody	538027	5509781	14N	No Data	No Data	No Data	No Data

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 MH Veg Clearance Requirements
- 7m 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: Groundwater

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
S1-S20	S1-Aqua-202	Aquifer	Site: 90 to 100	E-531927 N-5512644	E-535261 N-5509768	14N	4402 m
S1-S21	S1-Aqua-202	Aquifer	Site: 105 to 107	E-535261 N-5509768	E-537457 N-5509791	14N	2195 m

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

ESS Group: Forestry

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
S1-S21	S1-RUse-317	South Norfolk Woodlots	Site: 109 to 110	E-537259 N-5509788	E-538061 N-5509802	14N	801m

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

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
S1-S20	S1-Eco-302	Species of Concern (Plant)	Site: 89 to 99	E-531927 N-5512644	E-535261 N-5509768	14N	4402 m
S1-S21	S1-Eco-302	Species of Concern (Plant)	Site: 106 to 108	E-535261 N-5509768	E-538819 N-5509816	14N	3558 m

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

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Manitoba Hydro

Coordinate System: UTM Zone 14N NAD83
Data Source: MB Hydro, ProvMB, NRCAN
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Land Base
- Transmission Line
- Highway
- Major Road
- Local Road
- Railway (Operational)
- Railway (Discontinued)
- First Nation
- Mining
- Provincial Forest
- Parcel Fabric

Project Infrastructure
- Angle Tower Locations
- Towers (Preliminary)
- BPIII Final Preferred Route
- 66 m Right of Way

*Towers are subject to change, and are only used as a rough guide

Sensitive Sites
- Point Features
- Linear Features
- Area Features

*Currently outside the Project footprint

Points of Access*
- Proposed Access Point
- Major Stream Crossing
- Abandoned Rail Crossing
- Rail Crossing
- Transmission Line Crossing
- Approved Access Route

ESS Features
Resource Use
- Forestry

Water
- Water Crossing

Water
- Water Crossing

Ecosystem
- Species of Concern

Bipole III Transmission Project
Construction Environmental Protection Plan
Construction Section S1
Environmentally Sensitive Site Locations

Map 294

ESS Group: Forestry

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone
S1-S22	S1-RUse-318	Shelterbelt	538880	5504753	14N

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

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
S1-S21	S1-Eco-302	Species of Concern (Plant)	Site: 106 to 108	E-535261 N-5509768	E-538819 N-5509816	14N	3558m
S1-S22	S1-Eco-302	Species of Concern (Plant)	Site: 111 to 112	E-538819 N-5509816	E-538852 N-5506425	14N	3390m

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

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
S1-S22	S1-Aqua-132	Small, unnamed waterbody	Site: 113 to 114	E-538847 N-5507000	E-538847 N-5506978	14N	22 m

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 MH Veg Clearance Requirements.
- 7m no machine zone will restrict equipment in close proximity to the waterbody except at the trail crossing.
- No instream work or fording from April 1 to July 15

Manitoba Hydro

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Land Base
- Transmission Line
- Highway
- Major Road
- Local Road
- Railway (Operational)
- Railway (Discontinued)
- First Nation
- Mining
- Provincial Forest
- Parcel Fabric

Project Infrastructure
- Angle Tower Locations
- Towers (Preliminary)
- BPIII Final Preferred Route
- 66 m Right of Way

*Towers are subject to change, and are only used as a rough guide

Sensitive Sites
- Point Features
- Linear Features
- Area Features

*Currently outside the Project footprint

Points of Access*
- Proposed Access Point
- Major Stream Crossing
- Abandoned Rail Crossing
- Rail Crossing
- Transmission Line Crossing
- Approved Access Route

ESS Features
Resource Use
- Forestry

Ecosystem
- Habitat

Ecosystem
- Habitat

Ecosystem
- Species of Concern

Resource Use
- Forestry

Bipole III Transmission Project
Construction Environmental Protection Plan
Construction Section S1
Environmentally Sensitive Site Locations

Map 295

ESS Group: Forestry

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
S1-S22	S1-RUse-319	Shelterbelt	Site: 119 to 120	E-538868 N-5504865	E-538868 N-5504815	14N	50m

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

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone
S1-S22	S1-RUse-320	Shelterbelt	538880	5504753	14N

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

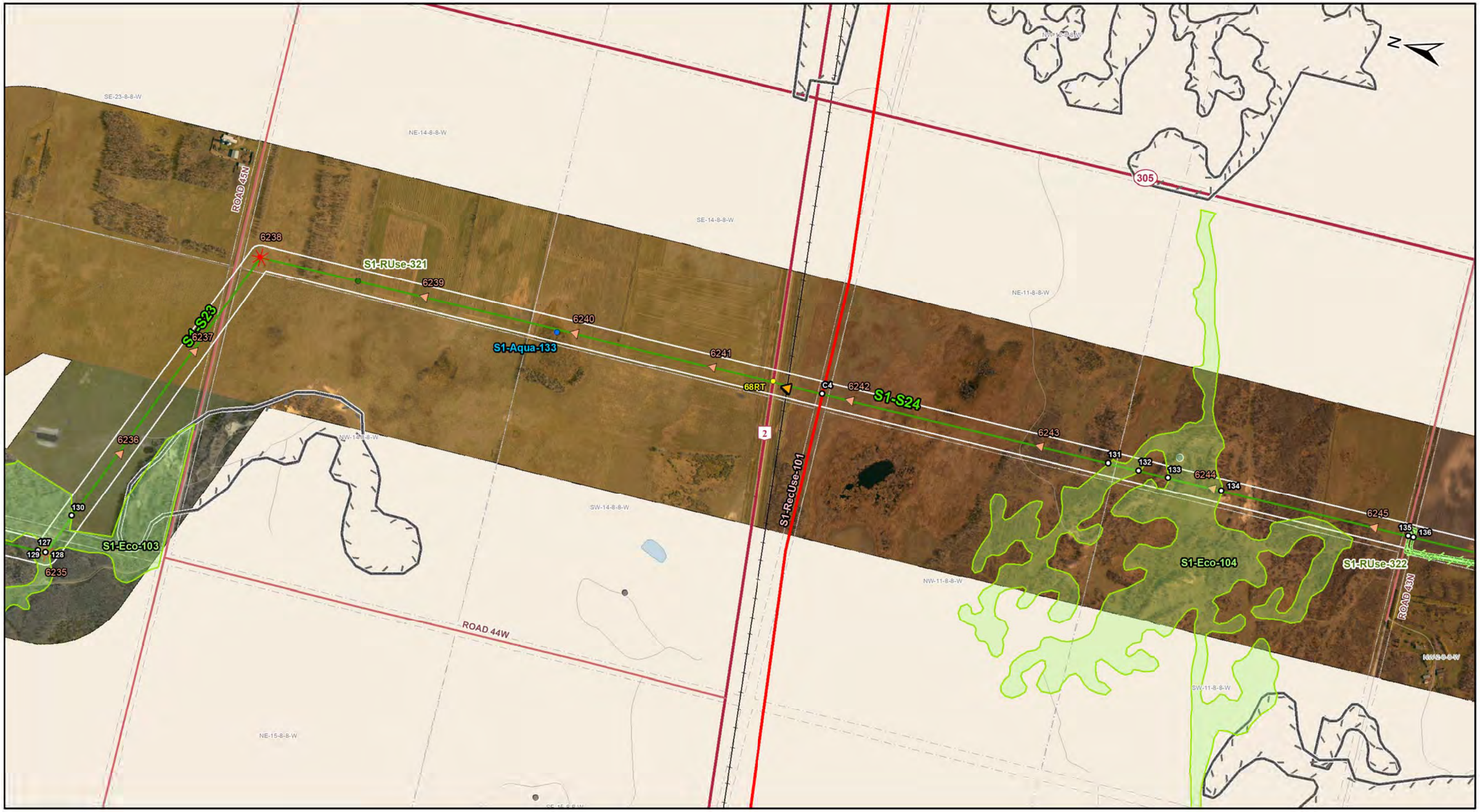
Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
S1-S22	S1-Eco-100	Species of Concern/Dry Upland Prairie	Site: 115 to 116	E-538863 N-5505374	E-538863 N-5505348	14N	26 m
S1-S22	S1-Eco-100	Species of Concern/Dry Upland Prairie	Site: 117 to 118	E-538863 N-5505327	E-538863 N-5505286	14N	41 m
S1-S22	S1-Eco-101	Species of Concern/Dry Upland Prairie	Site: 121 to 122	E-538882 N-5503389	E-538883 N-5503348	14N	41 m
S1-S22	S1-Eco-102	Species of Concern/Dry Upland Prairie	Site: 123 to 124	E-538885 N-5503051	E-538886 N-5502918	14N	132 m
S1-S22	S1-Eco-103	Species of Concern/Dry Upland Prairie	Site: 125 to 126	E-538889 N-5502509	E-538891 N-5502259	14N	249 m

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



Manitoba Hydro

Coordinate System: UTM Zone 14N NAD83
Data Source: MB Hydro, ProvMB, NRCAN
Date Created: January 23, 2017
Version: Final 2.03

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Land Base
- Transmission Line
- Highway
- Major Road
- Local Road
- Railway (Operational)
- Railway (Discontinued)
- First Nation
- Mining
- Provincial Forest
- Parcel Fabric

Project Infrastructure
- Angle Tower Locations
- Towers (Preliminary)
- BPIII Final Preferred Route
- 66 m Right of Way

*Towers are subject to change, and are only used as a rough guide

Sensitive Sites
- Point Features
- Linear Features
- Area Features

*Currently outside the Project footprint

Points of Access*
- Proposed Access Point
- Major Stream Crossing
- Abandoned Rail Crossing
- Rail Crossing
- Transmission Line Crossing
- Approved Access Route

ESS Features
Resource Use
- Forestry

Water
- Water Crossing

Access
- Intersection

Ecosystem
- Habitat

Ecosystem
- Habitat

Resource Use
- Forestry

Bipole III Transmission Project
Construction Environmental Protection Plan
Construction Section S1
Environmentally Sensitive Site Locations

Map 296

ESS Group: Forestry

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone
S1-S24	S1-RUse-321	Shelterbelt	538880	5504753	14N

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

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
S1-S24	S1-RUse-322	Shelterbelt	Site: 135 to 136	E-539839 N-5498286	E-539839 N-5498272	14N	14m

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

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone	Channel Width	Wet Width	Fish Habitat Class	Habitat Sensitivity
S1-S24	S1-Aqua-133	Unnamed small wetland area	539814	5500670	14N	No Data	No Data	Low	No Fish Habitat

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 MH Veg Clearance Requirements.
- 7m no machine zone will restrict equipment in close proximity to the waterbody except at the trail crossing.

ESS Group: Intersection

Sec-Seg ID	ESS ID	Location	ESS Name	Crossing Coordinates	UTM Zone
S1-S24	S1-RecUse-101	C4	Snowmobile Trail	E-539826 N-5499926	14N

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

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
S1-S23	S1-Eco-103	Species of Concern/Dry Upland Prairie	Site: 129 to 130	E-538893 N-5501870	E-539007 N-5501825	14N	122 m
S1-S24	S1-Eco-104	Species of Concern/Dry Upland Prairie	Site: 131 to 132	E-539833 N-5499127	E-539833 N-5499041	14N	85 m
S1-S25	S1-Eco-104	Species of Concern/Dry Upland Prairie	Site: 133 to 134	E-539834 N-5498957	E-539835 N-5498809	14N	148 m

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

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Manitoba Hydro

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Land Base
- Transmission Line
- Highway
- Major Road
- Local Road
- Railway (Operational)
- Railway (Discontinued)
- First Nation
- Mining
- Provincial Forest
- Parcel Fabric

Project Infrastructure
- Angle Tower Locations
- Towers (Preliminary)
- BPIII Final Preferred Route
- 66 m Right of Way

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Sensitive Sites
- Point Features
- Linear Features
- Area Features

*Currently outside the Project footprint

Points of Access*
- Proposed Access Point
- Major Stream Crossing
- Abandoned Rail Crossing
- Rail Crossing
- Transmission Line Crossing
- Approved Access Route

ESS Features
Water
- Water Crossing

Ecosystem
- Habitat

Ecosystem
- Habitat

Resource Use
- Forestry

Bipole III Transmission Project
Construction Environmental Protection Plan
Construction Section S1
Environmentally Sensitive Site Locations

Map 297

ESS Group: Water Crossing

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone	Channel Width	Wet Width	Fish Habitat Class	Habitat Sensitivity
S1-S25	S1-Aqua-134	Unnamed small wetland area	539814	5500670	14N	No Data	No Data	Low	No Fish Habitat

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 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

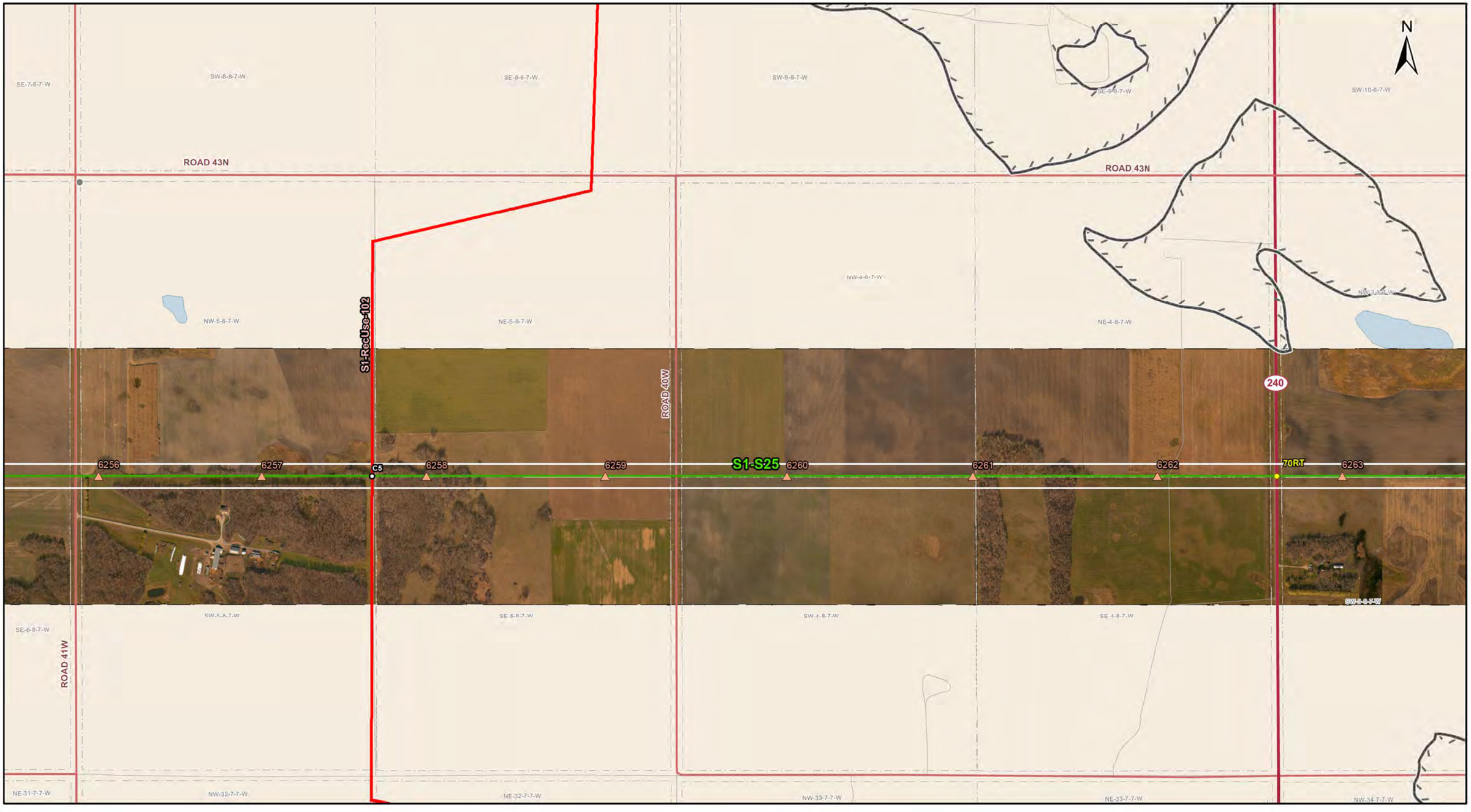
Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
S1-S24	S1-RUse-322	Shelterbelt	Site: 135 to 136	E-539839 N-5498286	E-539839 N-5498272	14N	14m

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



Manitoba Hydro

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Metres
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Land Base
- Transmission Line
- Highway
- Major Road
- Local Road
- Railway (Operational)
- Railway (Discontinued)
- First Nation
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- Provincial Forest
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Project Infrastructure
- Angle Tower Locations
- Towers (Preliminary)
- BPIII Final Preferred Route
- 66 m Right of Way

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Sensitive Sites
- Point Features
- Linear Features
- Area Features

*Currently outside the Project footprint

Points of Access*
- Proposed Access Point
- Major Stream Crossing
- Abandoned Rail Crossing
- Rail Crossing
- Transmission Line Crossing
- Approved Access Route

ESS Features
BPIII_ENVPP_EnvironSensSites_MH_CM_LN
Access
- Intersection

Bipole III Transmission Project
Construction Environmental Protection Plan
Construction Section S1
Environmentally Sensitive Site Locations

Map 298

ESS Group: Intersection

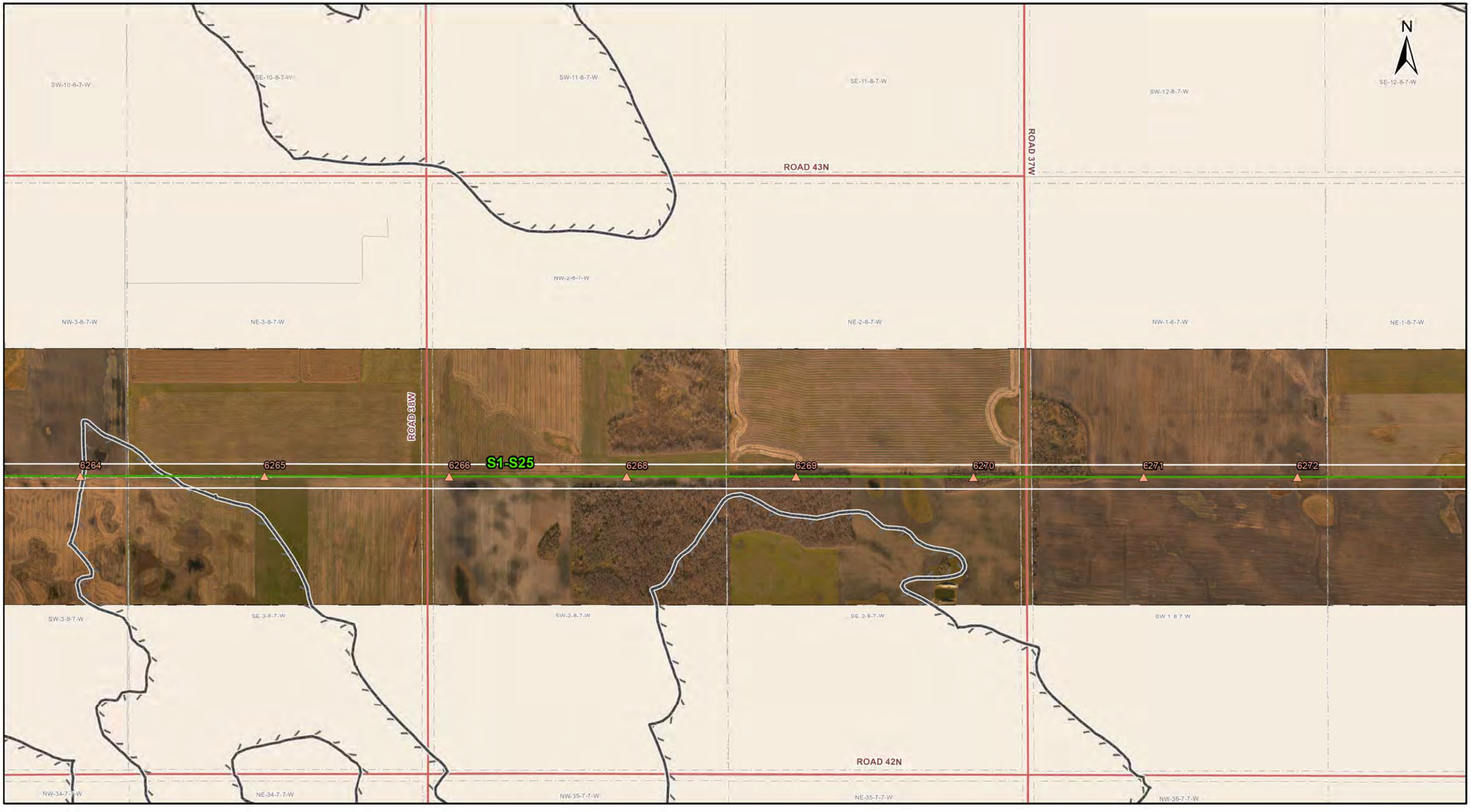
Sec-Seg ID	ESS ID	Location	ESS Name	Crossing Coordinates	UTM Zone
S1-S25	S1-RecUse-101	C5	Snowmobile Trail	E-544727 N-5497503	14N

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



Manitoba Hydro

Coordinate System: UTM Zone 14N NAD83
Data Source: MB Hydro, ProvMB, NRCAN
Date Created: January 23, 2017
Version: Final 2.03

0 125 250 500
Metres
1:10,000

Land Base
- Transmission Line
- Highway
- Major Road
- Local Road
- Railway (Operational)
- Railway (Discontinued)
- First Nation
- Mining
- Provincial Forest
- Parcel Fabric

Project Infrastructure
- Angle Tower Locations
- Towers (Preliminary)
- BPIII Final Preferred Route
- 66 m Right of Way

*Towers are subject to change, and are only used as a rough guide

Sensitive Sites
- Point Features
- Linear Features
- Area Features

*Currently outside the Project footprint

Points of Access*
- Proposed Access Point
- Major Stream Crossing
- Abandoned Rail Crossing
- Rail Crossing
- Transmission Line Crossing
- Approved Access Route

ESS Features

Bipole III Transmission Project
Construction Environmental Protection Plan
Construction Section S1
Environmentally Sensitive Site Locations

Map 299

No specific mitigation measures for this map, page intentionally left blank

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ESS Features
Heritage
- Archaeological

Resource Use
- Forestry

Bipole III Transmission Project
Construction Environmental Protection Plan
Construction Section S1
Environmentally Sensitive Site Locations

Map 300

ESS Group: Archaeological

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone
S1-S27	S1-Hert-110	Grove of trees	553446	5496647	14N

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

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
S1-S27	S1-RUse-323	Shelterbelt	Site: 137 to 138	E-552400 N-5496681	E-552408 N-5496681	14N	8 m
S1-S27	S1-RUse-324	Shelterbelt	Site: 139 to 140	E-552948 N-5496665	E-552952 N-5496665	14N	3 m

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

Manitoba Hydro

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0 125 250 500
Metres

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Project Infrastructure
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Sensitive Sites
- Point Features
- Linear Features
- Area Features

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- Proposed Access Point
- Major Stream Crossing
- Abandoned Rail Crossing
- Rail Crossing
- Transmission Line Crossing
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ESS Features

Bipole III Transmission Project
Construction Environmental Protection Plan
Construction Section S1
Environmentally Sensitive Site Locations

Map 301

No specific mitigation measures for this map, page intentionally left blank

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Sensitive Sites
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- Linear Features
- Area Features

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- Proposed Access Point
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- Rail Crossing
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- Approved Access Route

ESS Features
Heritage
- Archaeological

Resource Use
- Forestry

Bipole III Transmission Project
Construction Environmental Protection Plan
Construction Section S1
Environmentally Sensitive Site Locations

Map 302

ESS Group: Archaeological

Sec-Seg ID	ESS ID	ESS Name	Easting	Northing	UTM Zone
S1-S30	S1-Hert-111	Creek bed	562628	5497635	14N

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

Sec-Seg ID	ESS ID	ESS Name	Location	Start	Stop	UTM Zone	Distance
S1-S29	S1-RUse-325	Shelterbelt	Site: 141 to 142	E-559496 N-5496990	E-559503 N-5496998	14N	11 m
S1-S29	S1-RUse-326	Shelterbelt	Site: 143 to 144	E-559783 N-5497307	E-559792 N-5497318	14N	13 m
S1-S29	S1-RUse-327	Shelterbelt	Site: 145 to 146	E-559875 N-5497409	E-559882 N-5497416	14N	9 m
S1-S29	S1-RUse-328	Shelterbelt	Site: 147 to 148	E-559950 N-5497492	E-559957 N-5497500	14N	10 m
S1-S30	S1-RUse-329	Shelterbelt	Site: 149 to 150	E-560290 N-5497563	E-560302 N-5497564	14N	11 m
S1-S30	S1-RUse-330	Shelterbelt	Site: 151 to 152	E-561190 N-5497593	E-561195 N-5497593	14N	4 m
S1-S30	S1-RUse-331	Shelterbelt	Site: 153 to 154	E-563069 N-5497656	E-563074 N-5497656	14N	5 m

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
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