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SJohnson@hydro.mb.ca

May 23, 2014

Director
Environmental Approvals Branch
Manitoba Conservation
Suite 160, 123 Main Street
Winnipeg, MB R3C 1A5

Dear Ms. Braun:

Re: Notice of Alteration for the Pointe du Bois Transmission Project

Manitoba Hydro submitted an application for license of the Pointe du Bois Transmission Project on April 11, 2014. This letter is to inform you of an alteration to the project. Based on the location of the Final Preferred Route of the PW75 115 kV transmission line in relation to the proposed location of a new Lee River Distribution Supply Center (DSC; see Map), Manitoba Hydro has decided to Tap the proposed PW75 line and construct a 115 kV line from the Tap location to the proposed Lee River DSC.

The Lee River DSC will be located adjacent to the existing Manitoba Hydro right-of-way (ROW) for the P1 - P4 Transmission Lines (Figure 1). The DSC is currently being designed. It will be similar to the existing Selkirk DSC (see attached photo and drawing).

Approximately 1.6 km of 115 kV transmission line will be required from the Tap location to the DSC location (Map 1). The route will replace the existing P1-P4 lines, currently planned for decommissioning.

The new route will be centered on the existing ROW similar to the proposed Pointe du Bois to Whiteshell Transmission Line (Figure 2). An additional 30 m of ROW will be required (15 m on the north side and 15 m on the south side). The transmission line design parameters (tower design, span length and ROW width) will be the same as the Pointe du Bois Station to Whiteshell Station transmission line described in Chapter 2 of the EA Report.

This 115 kV Tap would replace the proposed 66 kV line from Pointe du Bois Station to the Lee River DSC project outlined in the EA Report. Section 7.6.2.2 of the Cumulative Effects Section included the following project:

Construction of a Lee River Distribution Supply Centre (DSC) along with a 66 kV sub-transmission line paralleling the north side of the proposed PW75 line. Manitoba Hydro is proposing to construct the project in order to ensure a reliable electrical supply to residences and cottages in the vicinity of Lee River. DSCs are an alternative to



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construction of conventional sub-stations. They are smaller in size than conventional sub-stations (approximately 50 x 60 m). The project ISD is fall of 2016. Construction of a DSC typically takes about 40 days, while construction of the 66 kV lines is estimated to take about 120 days. Construction of the transmission line will occur during the winter months.

The proposed project will change as follows:

The 23 km long 66 kV line (20 m ROW) will not be constructed. Instead 1.6 km of 115 kV transmission line (60 m ROW) will be constructed. The DSC will remain the same.

The potential effects of the additional 1.6 km of transmission line are outlined in the attached table.

In closing, should you require more information or have any questions, please contact me at 360-4394.

Yours truly,

Shannon Johnson, Manager

Licensing & Environmental Assessment Department,

Transmission Planning & Design

Transmission

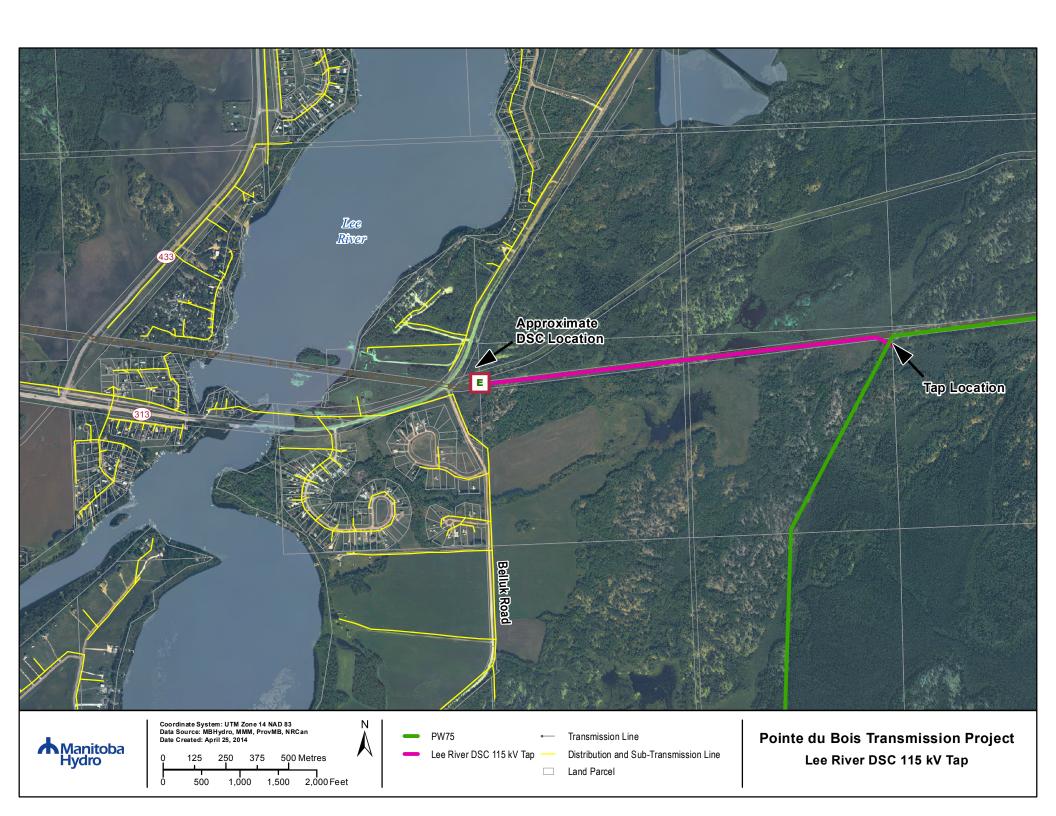




Figure 1: DSC location

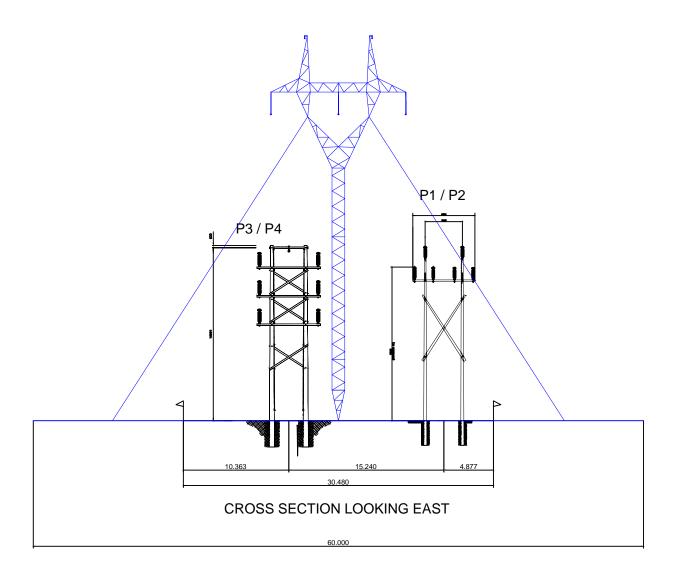
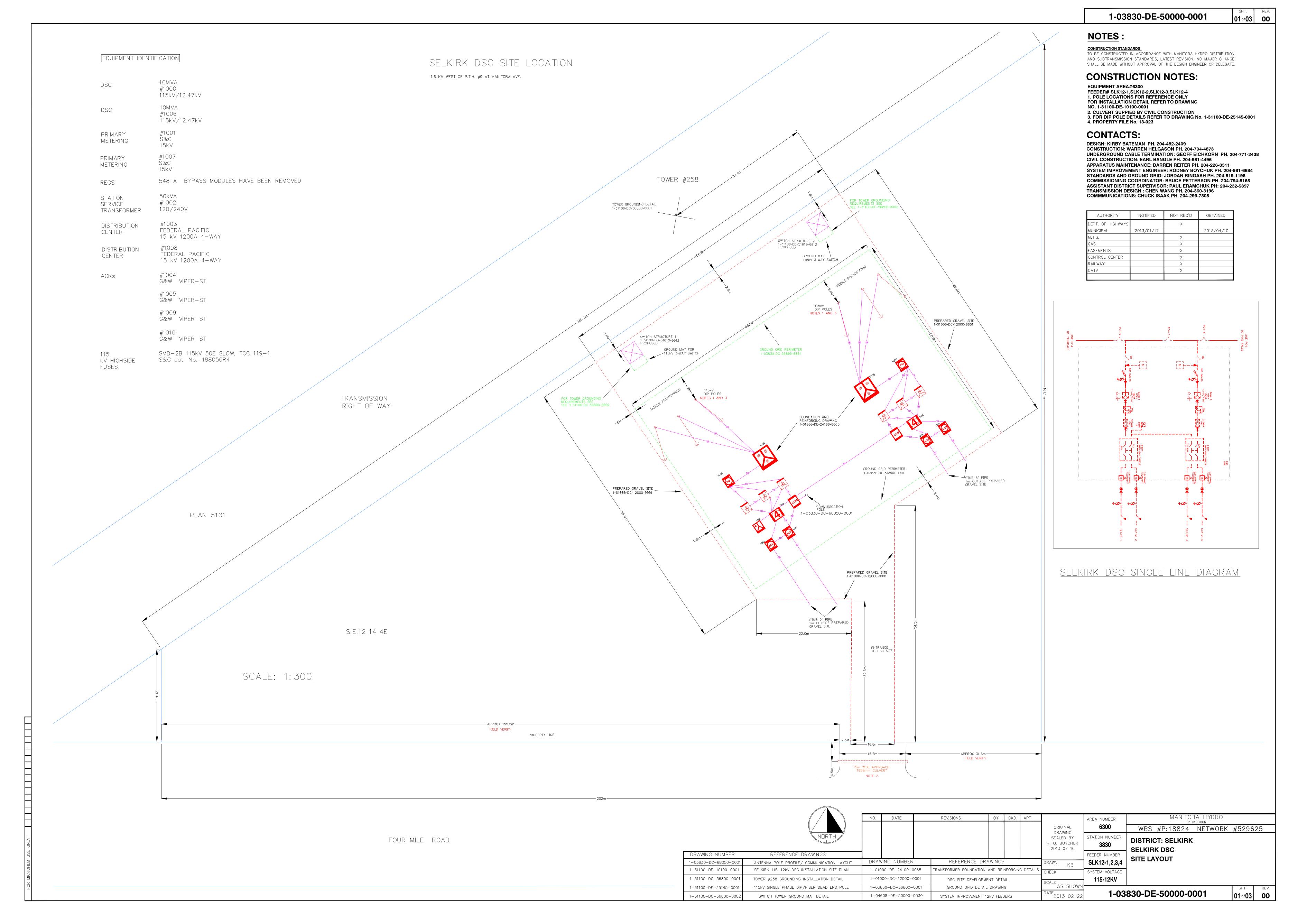


Figure 2: Pointe du Bois to Whiteshell Station proposed cross section along the existing P1-P4 ROW

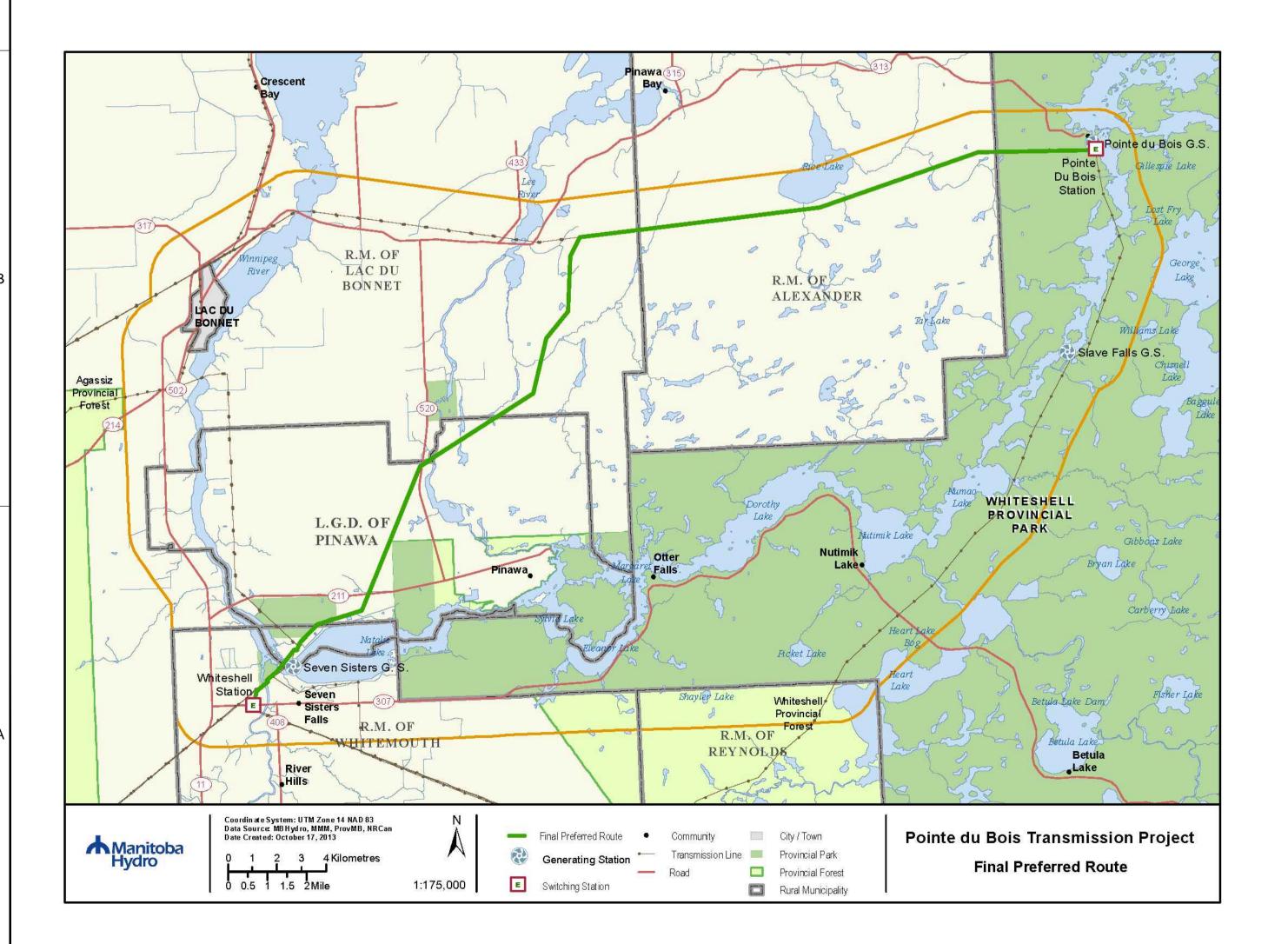


Photo of the Selkirk DSC



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SKETCH 1 DOOR 10.0.0.



IN-SERVICE DATE: SPRING 2017

T/L DESIGN

- LINE LENGTH 46.5 km
- RIGHT-OF-WAY 60m
- LENGTH OF AVERAGE SPAN 425m
- PHASE CONDUCTOR 795 MCM 26/7 ACSR (DRAKE)
 GROUND CONDUCTOR SIZE 9-7 STRAND STEEL -
- ONE POSITION / OPGW ONE POSITION
 2 HIGHWAY CROSSINGS
- 8 TRANSMISSION LINE CROSSINGS
- 4 NAVIGABLE WATER CROSSINGS

STRUCTURE QUANTITIES

90 - A-211

3 - A-210

19 - F-206

1 - G-201

1 - G-202

T/L DESIGN FOR DSC TAP

- LINE LENGTH 1.6 km
- RIGHT-OF-WAY 60m
- LENGTH OF AVERAGE SPAN 425m
- PHASE CONDUCTOR 795 MCM 26/7 ACSR (DRAKE)
- GROUND CONDUCTOR SIZE 9-7 STRAND STEEL

STRUCTURE QUANTITIES

- 3 A-211
- 4 F-206
- 3 115kV SWITCH STRUCTURES

CIVIL DESIGN

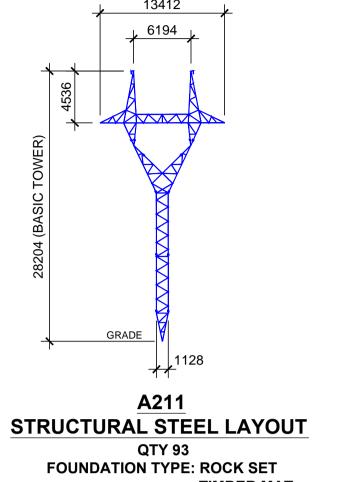
SINGLE CIRCUIT SUSPENSION A-210
 STRUCTURES REQUIRED FROM SEVEN SISTERS
 SOUTH TO WHITESHELL STATION

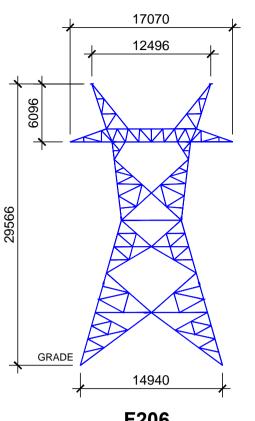
GEOTECHNICAL DESIGN

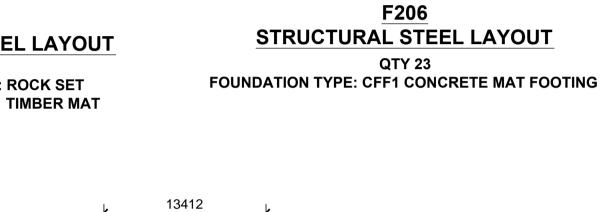
ASSUMPTIONS:

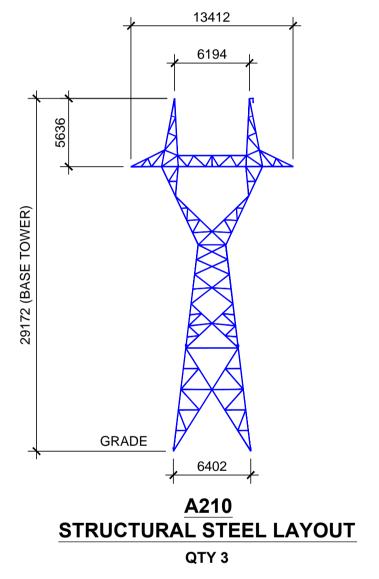
 ALL FOUNDATIONS FOUNDED ON FIRM/ CLAY BEDROCK

NOTE: THE INFORMATION CONTAINED WITHIN THIS DRAWING IS CONSIDERED PRELIMINARY AND IS SUBJECT TO CHANGE.









REV.	DATE		DESCR	RIPTION			BY	CKD). APP.	1		
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Manitoba Hydro		DESIGNED:		DATE:					A			
		POINTE DU BOIS - WHITESHELL TRANS. LINE]′			
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Topic	VEC	Potential Increased effects due to the proposed 115 kV Tap
	Property and Residential Development	 New structures will not alter aesthetics as they are on an existing ROW currently with two sets of lines. The additional construction will have a slight increase in noise, dust etc.
Land Use	First Nation Lands	 There are no existing First Nation Lands affected There will be a small decrease in available land for Reserve Lands.
	Protected Areas Initiative Lands	 There are no existing Protected Areas (including proposed protected areas) affected There will be a small loss of lands potentially protected in the future.
	Infrastructure	No infrastructure (aerodromes, communication towers etc.) should be affected
Economy	Economic Opportunities	The project will have a small increase in job and business opportunities.
Services	Community Services	 The additional construction (small workforce etc.) should have a negligible affect on community services.
	Travel & Transportation	The additional construction should cause a small increase in traffic.
Personal, Family & Community	Human Health	 The proposed should not alter noise, dust & vibration; EMF & audible noise, or herbicide use / ROW management as it is replacing two existing lines.
Life	Aesthetics	The new line will not alter aesthetics as it is replacing two existing lines.
	Mining & Aggregates	No existing mining claims, mineral leases, quarry leases etc. should be affected.
	Trapping	 The new line is outside of the Eastern RTL District and should not alter population numbers of furbearers in the region, therefore there should not affect trapping.
	Recreation & Tourism	 There should be no additional disruption / intrusion to Recreation & Tourism activities & facilities/sites or loss of business income as construction overlaps with the PW75 construction.
Resource Use	Domestic Resource Use	 There may be a small loss of traditional medicines, berries, etc, or disruption to hunting, fishing, and other traditional pursuits.
	Productive Forestland	 Small reduction in AAC levels, productive forest area available for timber production, and timber volume.
	High Value Forest Sites	No high value forest sites will be affected
Culture &	Heritage Resources	No recorded heritage sites will be affected
Heritage Resources	Cultural Resources	 No impairment of aesthetics or increase in noise, dust etc, as the new line replaces two existing lines.
Aquatics	Fish Habitat (as defined under the Fisheries Act)	There are no stream crossings along the proposed route.
Physical Environment	None	
Terrestrial Habitat & Ecosystems	Ecosystem Diversity	There will be a small loss of or alteration to terrestrial habitat/ecosystems, wetland or soils, or other priority habitats.
	Intactness	The new line will not affect intactness as it is not within the intact forest areas.
Terrestrial Plants	Priority Plants	 There may be a small disturbance of sub-populations, an increase in plant mortality or loss or alteration of habitat due to: Clearing of the additional ROW, altered surface water flow, changes to fire regime, spread of invasive species
	Moose	Some primary and secondary moose habitat will be altered.
		No primary American Marten Habitat (forest habitat greater than 60 years old) will be altered
	American Marten	 A small portion of secondary habitat (broadleaf species greater than 35 years old and any age needleleaf species) will be altered.
Wildlife	Canada Warbler	 Some primary Canada Warbler habitat (deciduous and coniferous broad habitat types) will be altered.
	Bald Eagle	 No primary bald eagle habitat (broadleaf species > 50 years old and needleleaf species > 60 years old within 500 m of waterbodies greater than 10 ha) or nests will be altered.
-	Ruffed Grouse	 Some primary Ruffed Grouse Habitat (deciduous and mixedwood forest) will be altered Potential for a small increase in mortality associated with bird-wire strikes.