



Transport Canada Transports Canada

Navigation Protection Program  
Suite 610, 800 Burrard Street  
Vancouver B.C. V6Z 2J8

Your file

Our file  
**2016-500458**

May 16, 2017

BC Hydro  
Suite 600 - Four Bentall Ctr  
1055 Dunsmuir St. PO Box 49260  
Vancouver, BC V7X 1V5

**Attention: Karen von Muehldorfer**

**RE: Notice to the Minister/permission to proceed under the *Navigation Protection Act* for a Transmission Line, located at 55° 59' 14.37" N x 121° 59' 12.58" W, Peace River, on unsurveyed foreshore or land covered by water being part of the bed of Peace River, Site C, within District Lots 148, 149 and 3937, West of the 6th Meridian Peace River District, City of Fort St. John, in the Province of British Columbia**

The Minister of Transport has determined that your work is not likely to substantially interfere with navigation.

Therefore, your work is permitted under the NPA s.9(1) Construction, and you may proceed pursuant to the attached plans (2) in accordance with the following terms and conditions:

1. The minimum vertical clearance of the cable(s) above Highest High Water shall be no less than 15m.
2. Watch shall be kept for marine traffic while the conductors are being strung across the waterway.

The owner is responsible to ensure the temporary construction works are designed and maintained to withstand local weather conditions and the wash of vessels transiting the area.

Pursuant to Sec. 34 of the Navigation Protection Act, the owner shall provide unimpeded access to the Minister or their representatives for inspection purposes.

Pursuant to Sec. 5 of the Navigable Waters Works Regulations, no person shall permit any tools, equipment, vehicles, temporary structures or parts thereof used or maintained for the purpose of building or placing a work in a navigable water to remain in such water after the completion of the project.

Pursuant to Sec. 6 of the Navigable Waters Works Regulations, where a work or a portion of a work that is being constructed or maintained in a navigable water causes debris or other material to accumulate on the bed or the surface of such water, the owner of that work or portion of that work shall cause the debris or other material to be removed to the satisfaction of the minister.

This permission relates only to the effect of your work on navigation under the NPA and does not grant any rights related to the ownership of the bed of the waterway.

It is the owner's responsibility to comply with any other applicable laws and regulations.

Please note that the NPA, amongst other obligations, requires the owner to immediately notify the Minister if his work causes or is likely to cause serious or imminent danger to navigation and take reasonable measures to remediate the danger to navigation (section 12 of the NPA).

**Should you have any questions, please do not hesitate to contact our office in Vancouver by phone at (604) 775-8867 or by e-mail at [NPPAC-PPNPAC@tc.gc.ca](mailto:NPPAC-PPNPAC@tc.gc.ca).**

Respectfully,



Colin Parkinson  
Navigation Protection Program Officer  
Programs Group  
Transport Canada  
Pacific Region

CP/co

cc: DFO  
[Brian.Naito@dfo-mpo.gc.ca](mailto:Brian.Naito@dfo-mpo.gc.ca)  
[Stephanie.Major@dfo-mpo.gc.ca](mailto:Stephanie.Major@dfo-mpo.gc.ca)

FLNRO - [Keith.Hansen@gov.bc.ca](mailto:Keith.Hansen@gov.bc.ca)

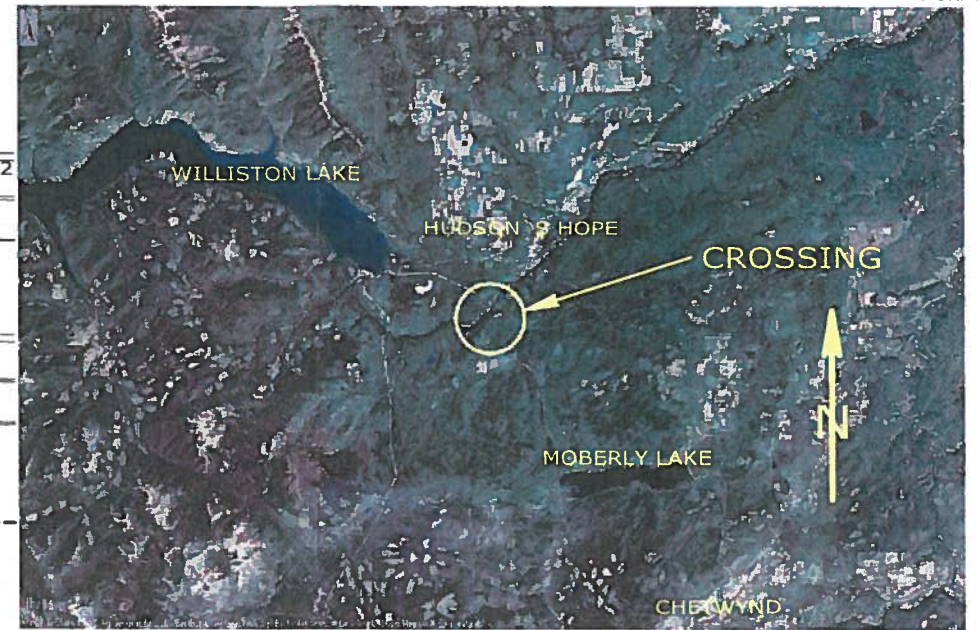
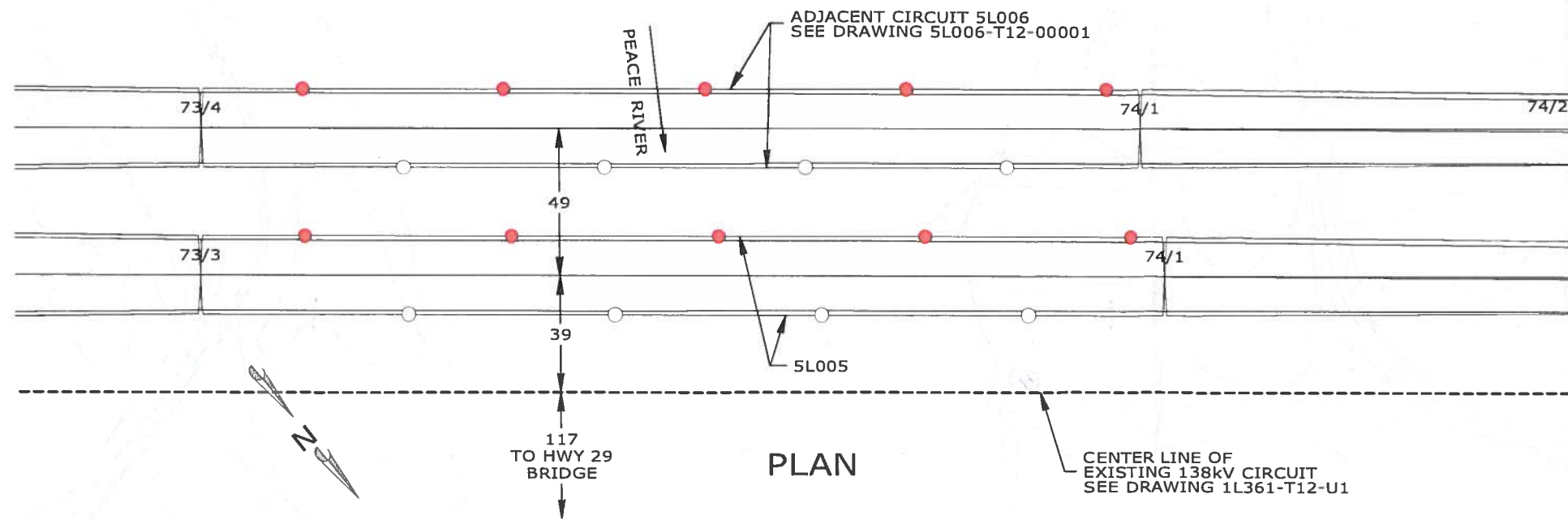
CEAA - [Compliance.Conformite@ceaa-acee.gc.ca](mailto:Compliance.Conformite@ceaa-acee.gc.ca)

First Nation's

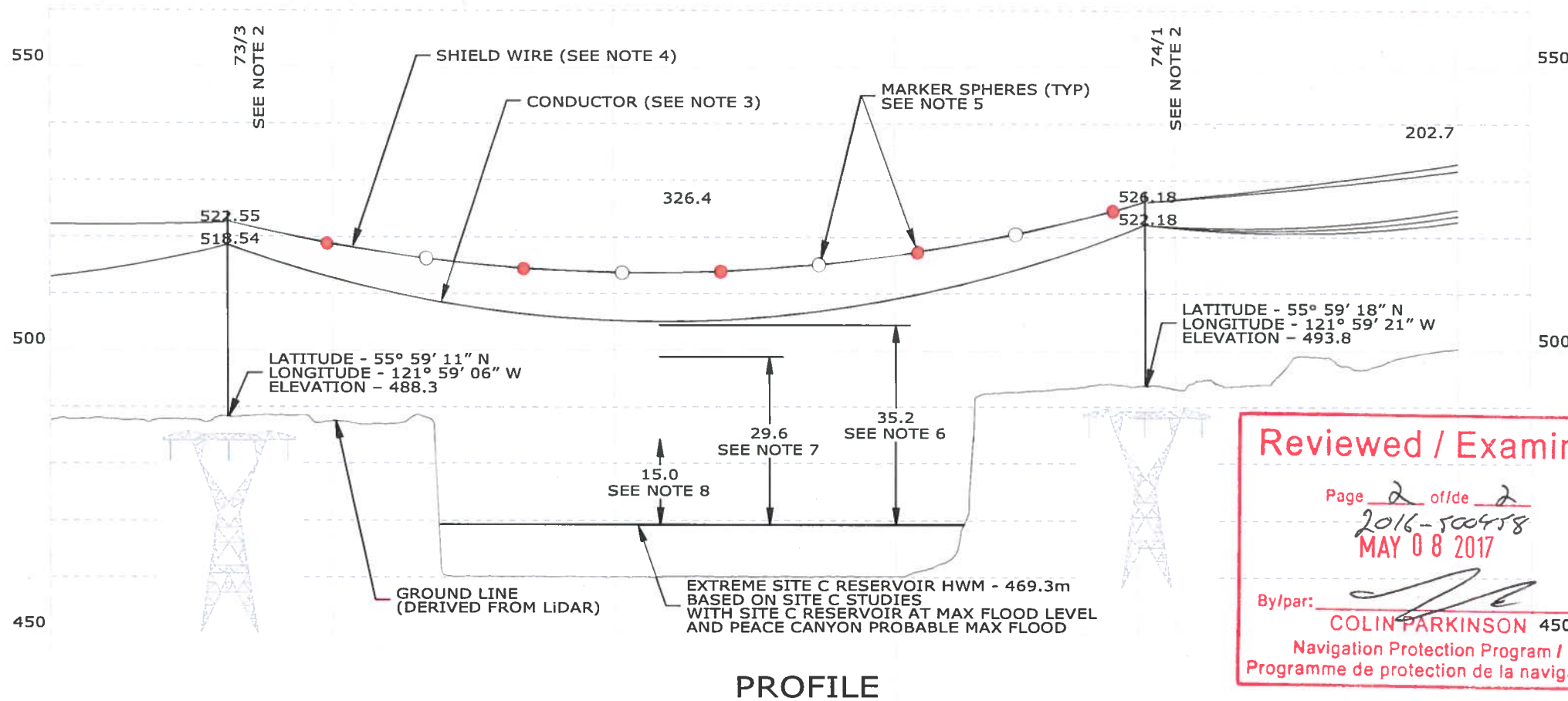


FILE SITE C 2016-OCT-19 FORMATTED FOR PEACE CROSSING DRAWINGS.VPX PLOTTED 2016-11-03

PLS-CADD Drawing



LOCATION PLAN  
N.T.S



PROFILE

NOTES:

- 1) ALL DIMENSIONS IN METRES UNLESS OTHERWISE NOTED
- 2) STRUCTURE NOTES:
  - STR 73/3
    - 500kV GALVANIZED STEEL LATTICE SUSPENSION TOWER WITH SHIELD WIRE
    - TYPE 2AGM
    - 30.1m NOMINAL HEIGHT TO LOWEST CONDUCTOR ATTACHMENT
    - 36.1m OVERALL TOWER HEIGHT
  - STR 74/1
    - 500kV GALVANIZED STEEL LATTICE SUSPENSION TOWER WITH SHIELD WIRE
    - TYPE 2AGM
    - 27.1m NOMINAL HEIGHT TO LOWEST CONDUCTOR ATTACHMENT
    - 33.1m OVERALL TOWER HEIGHT
- 3) 500kV CONDUCTOR NOTES:
  - CONDUCTOR TYPE - SP-926.7-45/7 ACSR (469.5-A1/S1A-45/7), 29.16mm DIA.
  - 4 WIRES PER PHASE IN A BUNDLED CONFIGURATION, 457mm WIRE SPACING
  - DISPLAYED AT MAXIMUM SAG CONDITION (75 DEG. C)
- 4) SHIELD WIRE NOTES:
  - WIRE TYPE - S9 GRADE 1300 GALVANIZED STEEL WIRE, 9.0mm DIA.
  - DISPLAYED AT MEAN ANNUAL TEMPERATURE (1 DEG. C)
- 5) MARKER SPHERE NOTES:
  - ALL SPHERES ARE 75cm (30") DIAMETER
  - COLOUR WILL BE ALTERNATING ORANGE AND WHITE
  - SPACING WILL BE NOT GREATER THAN 45m (150ft)
  - AS PER "CANADIAN AVIATION REGULATIONS 2016-1, PART VI, STANDARD 621 - OBSTRUCTION MARKING AND LIGHTING, CHAPTER 10"
  - DETAILED MARKER SPHERE SCHEME TO BE DETERMINED
- 6) DESIGN CLEARANCE TO THE LOWEST CONDUCTOR IN THE BUNDLE (SUBJECT TO CHANGE UNTIL DESIGN IS FINALIZED)
- 7) SAFE NAVIGABLE CLEARANCE - IS EQUAL TO THE DESIGN CLEARANCE MINUS ALLOWANCE FOR ELECTRICAL FLASHOVER (500kV), DESIGN TOLERANCE AND A 1 METRE BUFFER
- 8) MINIMUM REQUIRED CLEARANCE AS PER CAN/CSA C22.3 No. 1-15 OVERHEAD SYSTEMS, TABLE 3, FOR CROSSING CLASS 4 (10.0m REFERENCE VESSEL HEIGHT)
- 9) ELEVATIONS ARE GEODETIC
- 10) STRUCTURE COORDINATE DATUM NAD83

**Reviewed / Examiné**  
 Page 2 of de 2  
 2016-500458  
 MAY 08 2017  
 By/par: *[Signature]*  
**COLIN PARKINSON 450**  
 Navigation Protection Program /  
 Programme de protection de la navigation

20.0 m Horiz. Scale  
10.0 m Vert. Scale

PRELIMINARY

DSGN	
INDEP CHK	
DFTG	
DFTG CHK	
INSP	
REV	
ACPT	

**BC Hydro**

**FIGURE 4**  
**SOUTH BANK - PEACE CANYON 500kV T/L**  
**PLAN TO ACCOMPANY**  
**NPA NOTICE OF WORKS FORM**  
**FOR CROSSING OF THE PEACE RIVER**  
**5L005 STR 73/3 TO 74/1**

DATE 04-NOV-2016    DISTR    DWG NO 5L005-T12-00001    SIZE B    R B

NO	REMARKS	DATE	DESIGNED	INDEP CHK	DFTG	DFTG CHK	INSP	REV	ACPT
REVISIONS									