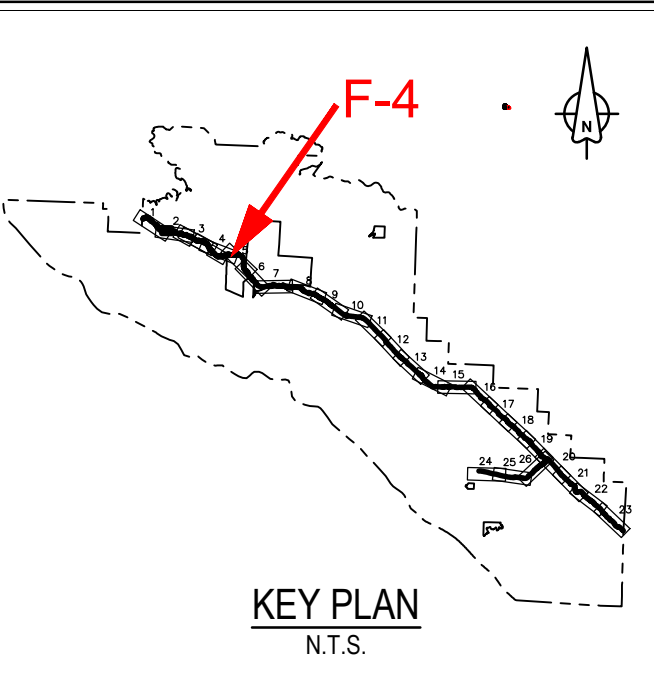


PARSONS



Revision/	Description/Description	Date/Date
2	ISSUED FOR TENDER	18/12/2016
1	ISSUED FOR TENDER	06/11/2017
0	ISSUED FOR TENDER	27/11/2017

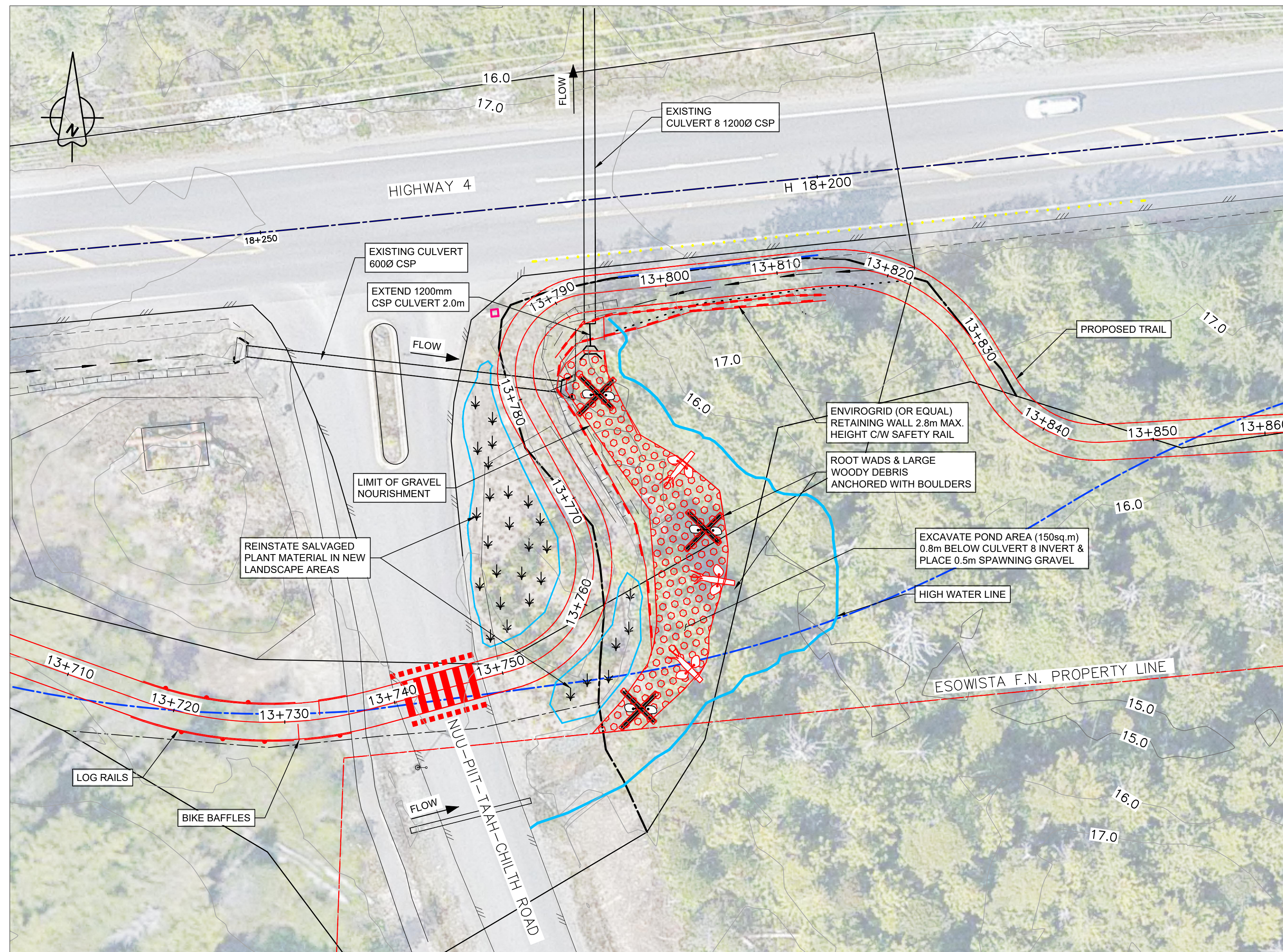
Client/client
Parks Canada L'Agence Parcs
Agency Canada
Western and Northern Region Ouest et Nord du Canada

Project title/Titre du projet
**TOFINO
PACIFIC RIM
NATIONAL PARK RESERVE
?apsciik tasii
(Ups-cheek ta-shee)
"Going in the right
direction on the trail"**

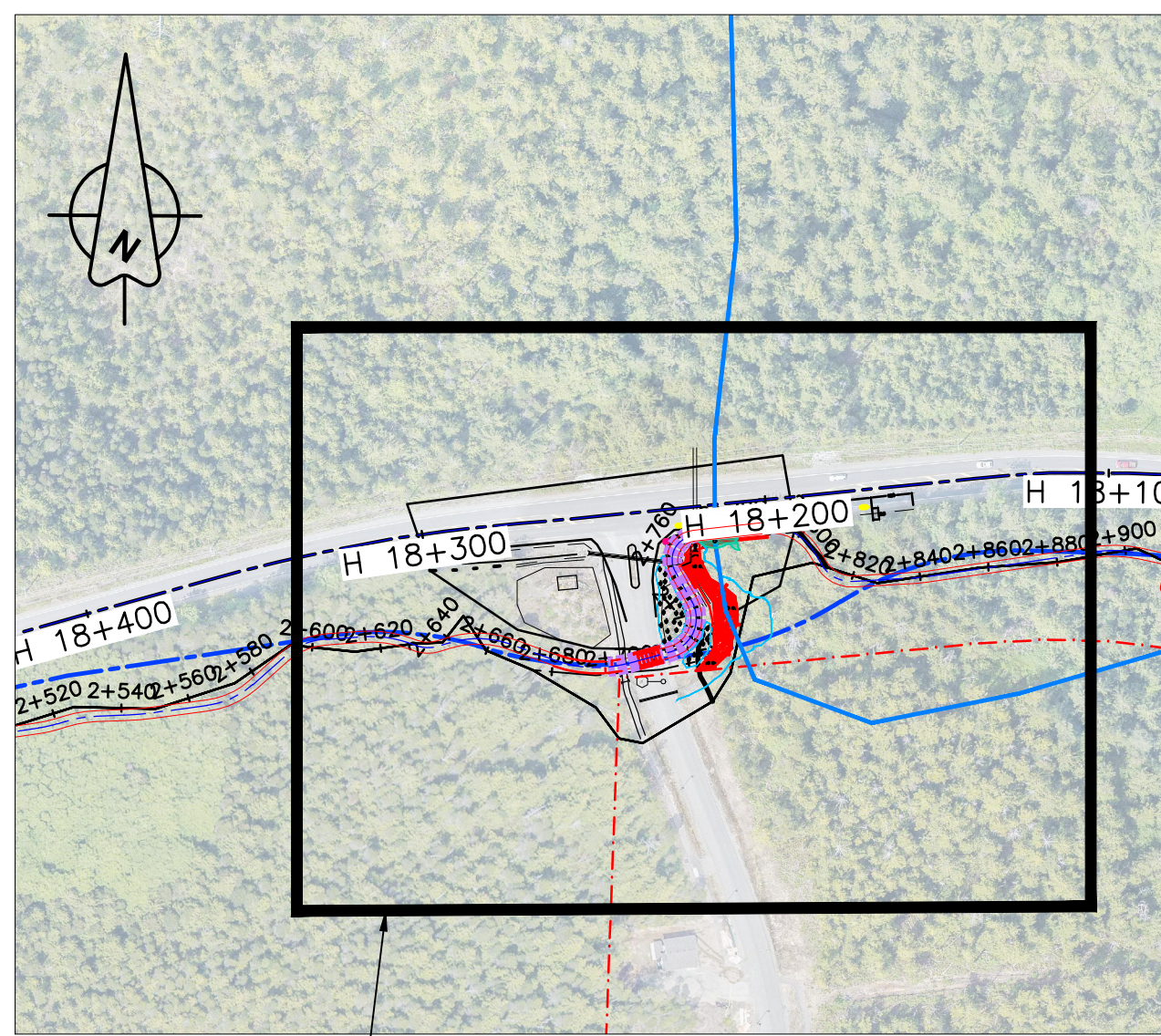
Consultant Signature Only
Designed by/Concept par
DON CHALMERS / 2016-11
Drawn by/Dessiné par
DAVID COX / 2017-08
PCA Project Manager/Technical Authority
Administrateur de Projets APC
JACKIE HICKS

Drawing title/Titre du dessin
**?apsciik tasii (Ups-cheek ta-shee)
"Going in the right direction on the
trail"
CONSTRUCTION PLAN
FISHERIES WORK
CULVERT '8'
HIGHWAY 4 STA H18+221**

Project No./No. du projet PCA #1522	Sheet/Fauille F-4 OF 15	Revision no./ La Révision no. 2
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PLAN
1:250
0 5 15m



1:1000
0 20 60m

Sheet F- 4 Fisheries Enhancement	
Existing Culvert #8 Information	
Location:	Hwy #4 - Station H18+221 (Site L)
Material:	CSP Galvanized
Diameter:	1,200 mm Circular
Length:	21 metres
Cover over culvert:	1.8 metres
Comments:	Extend 2 metres
Proposed Enhancements	
Minimize extension with use of retaining wall	
Supplement existing root wads and woody debris	
Place spawning gravel in pond area	

- NOTES:**
- REFER TO SHEET F-1 FOR ENVIRONMENTAL AND FISHERIES NOTES.
 - ALL WORK WITHIN THE HIGH WATER MARK SHALL BE DONE DURING THE FISHERIES WINDOWS UNLESS APPROVED OTHERWISE BY THE OWNER'S ENVIRONMENTAL MONITOR (OEM).
 - WATER SHALL BE DIVERTED AROUND THE CONSTRUCTION SITE USING METHODS APPROVED BY OEM.
 - ALL MATERIALS USED SHALL BE FREE OF INVASIVE SPECIES.
 - SPAWNING GRAVEL SHALL BE AS SPECIFIED IN SECTION 31 05 16. AGGREGATE MATERIALS.
 - WIERS SHALL BE CONSTRUCTED TO DETAILS SHOWN ON SHEET F-1.1.
 - ROOT WADS AND LARGE WOODY DEBRIS TO BE SUITABLY BALLASTED AS DETAILED ON SHEET F-1.
 - EXISTING STUMPS, ROOTWADS, LOGS, ETC. SHOULD BE RETAINED AND USED FOR HABITAT COMPLEXING.
 - RED SHOWS PROPOSED WORKS.

