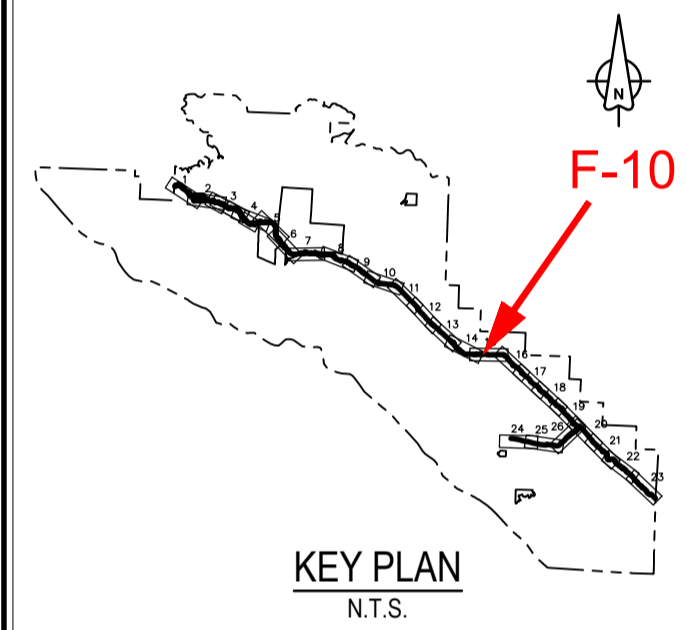


**PARSONS**



Revision/	Description/Description	Date/Date
3	ISSUED FOR TENDER	18/12/2016
2	ISSUED FOR TENDER	18/11/2016
1	ISSUED FOR TENDER	30/11/2017
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  
?apsciiik tašii  
(Ups-cheek ta-shee)  
"Going in the right  
direction on the trail"**

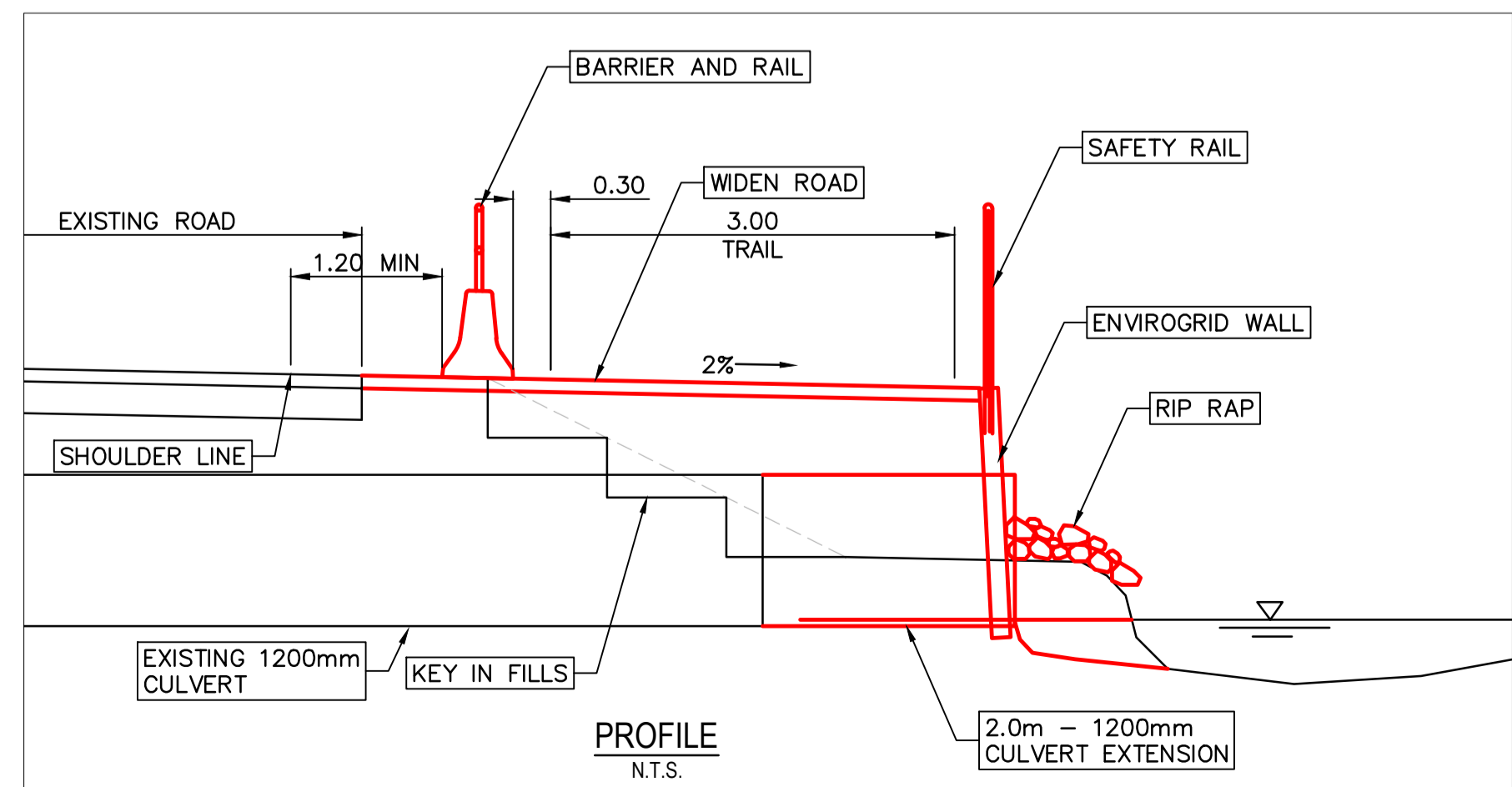
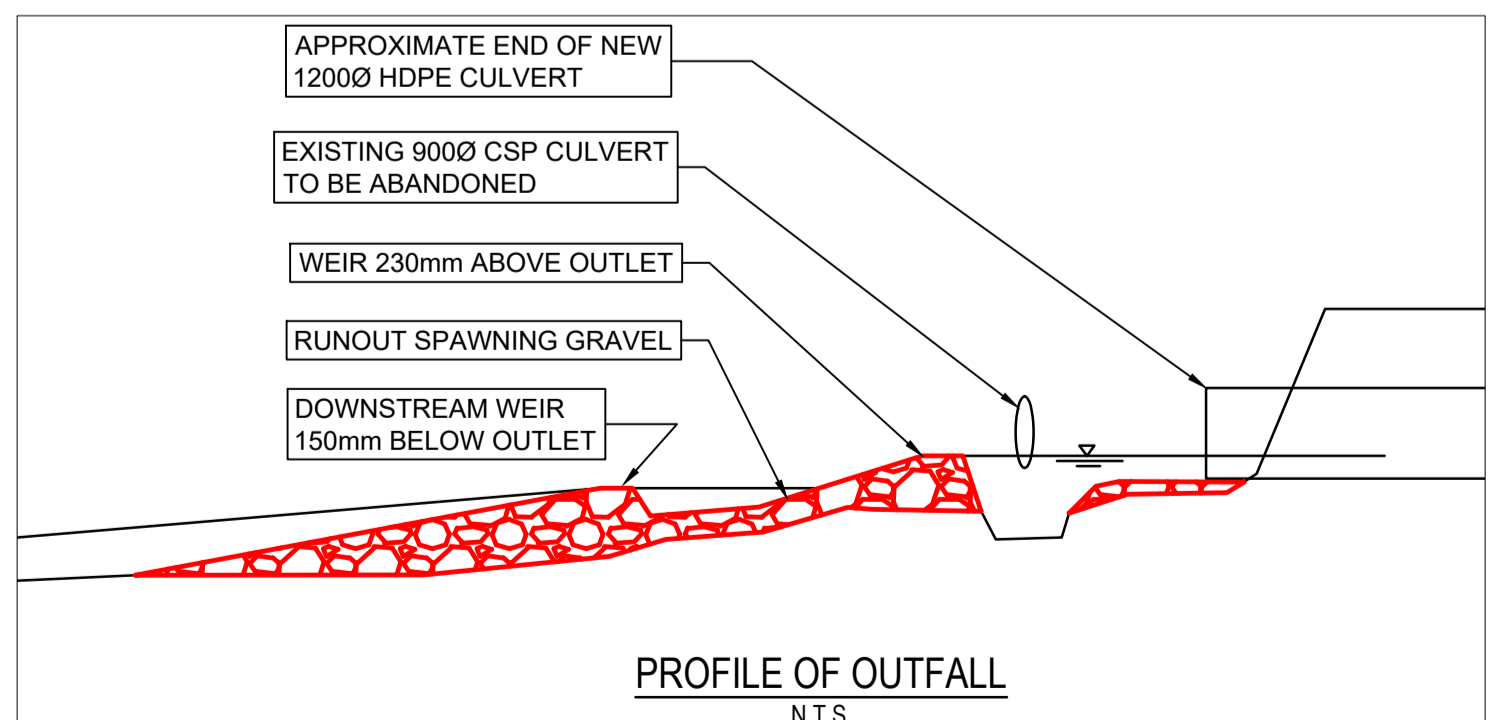
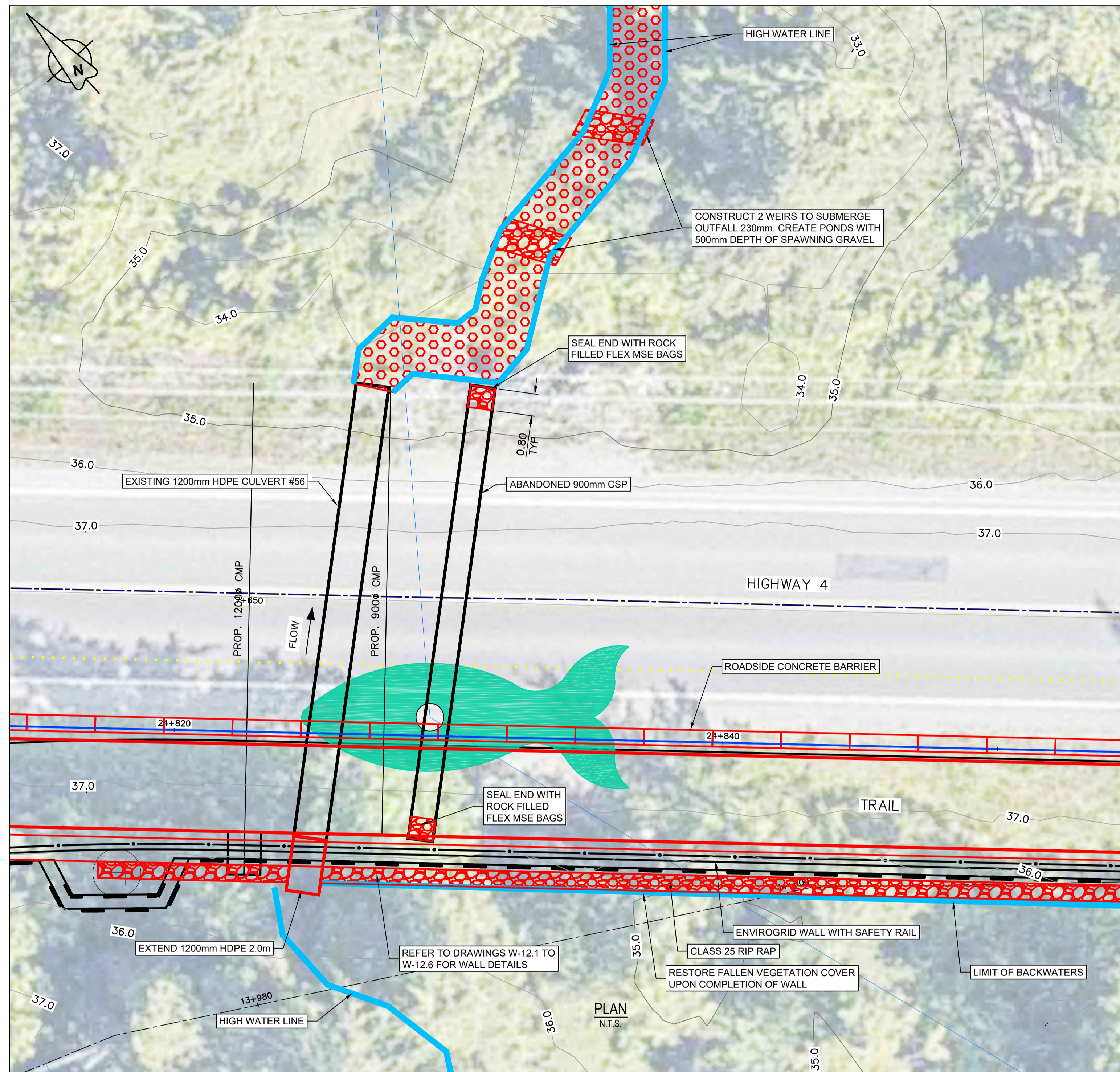
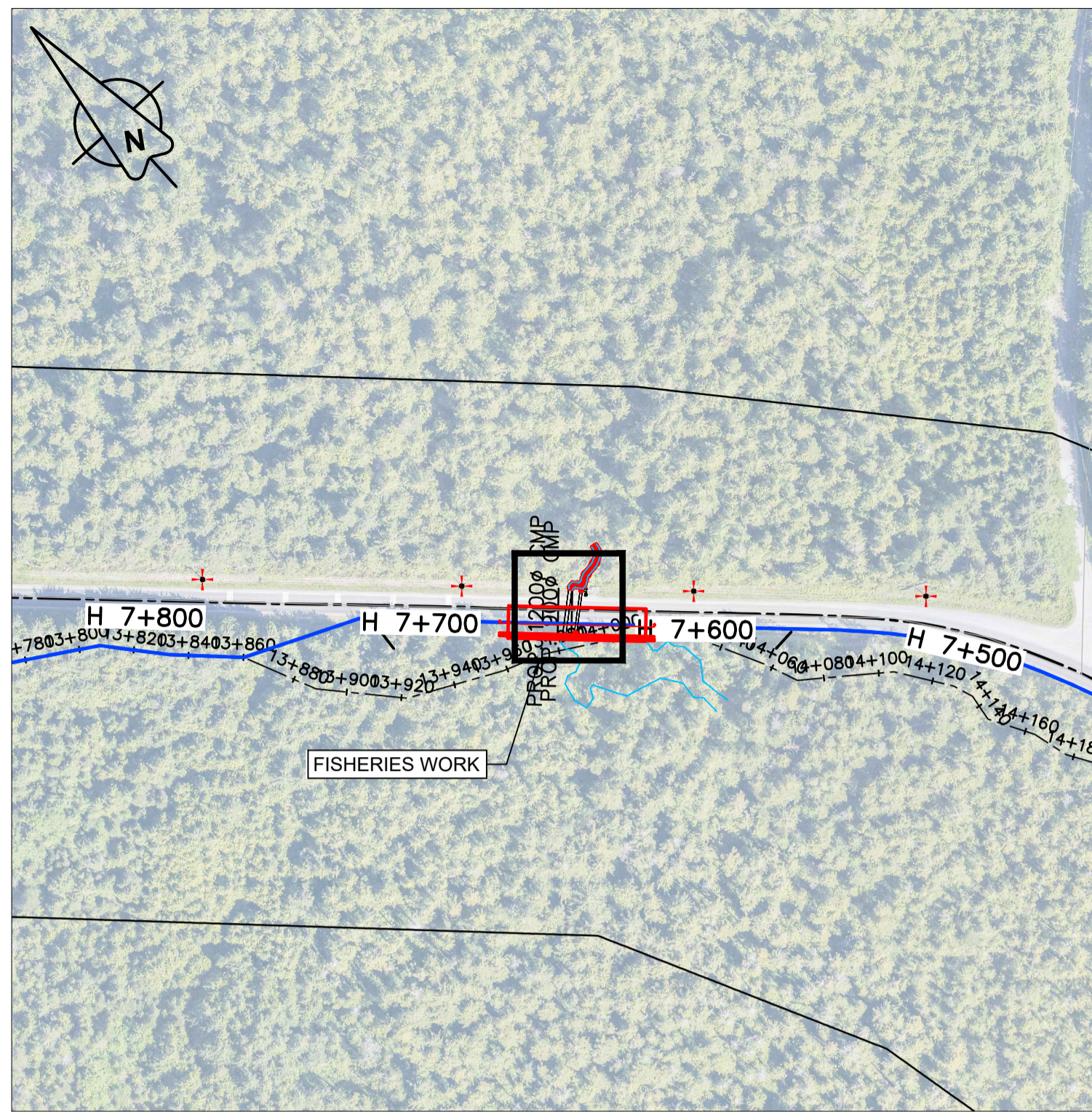
Consultant Signature Only

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  
**?apsciiik tašii (Ups-cheek ta-shee)  
"Going in the right direction on the  
trail"  
CONSTRUCTION PLAN  
FISHERIES WORK**

CULVERT '56'  
HIGHWAY 4 STA H7+630

Project No./No. du projet PCA #1522	Sheet/Fauille <b>F-10</b> OF 15	Revision no./ Lo Révision no. <b>3</b>
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Fisheries Enhancement	
Existing Culvert Information	
Locations:	Highway #4 - Station H7+630 at Culvert 56
Material:	HDPE (New Clv't), CSP (Aband)
Diameter:	1,200 mm (New), 900 mm (Aband)
Length:	16.4 metres (New and Aband)
Cover over culvert:	1.5 metres (New), 1.7 m (Aband)
Comments:	Extend new 2 metres. Seal abandoned Culvert
	Perched outfall
Proposed Enhancements	
Limit required extension to 2.0m with retaining wall	
Eliminate perched outfall	

- FISHERIES CONSTRUCTION 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
  - WEIRS 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, ROOT WADS, LOGS, ETC. SHOULD BE RETAINED AND USED FOR HABITAT COMPLEXING
  - RED SHOWS PROPOSED WORKS

DRAWN BY: DAVID COX, 2017-08-14, 11:03am, BY: P002900