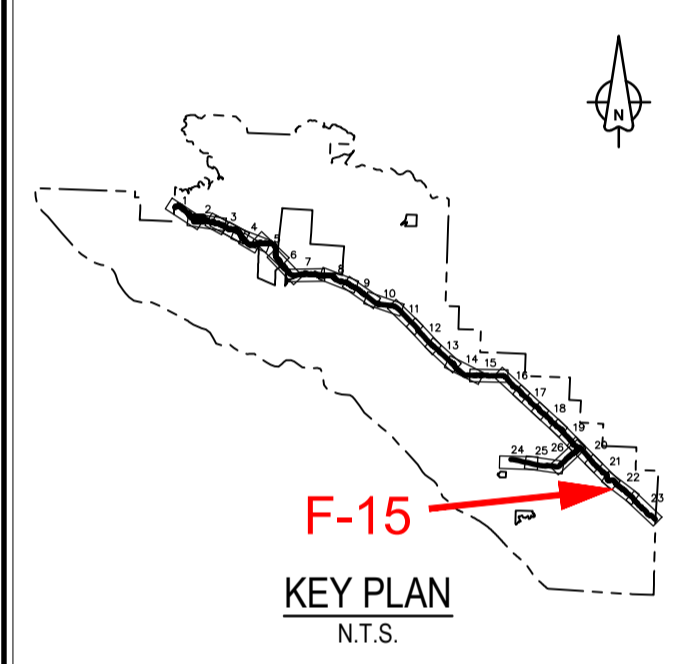


**PARSONS**



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**  
**ʔapsc̓iik tašii**  
**“Going in the right direction on the trail”**

Consultant Signature Only

Designed by/Concept par  
DON CHALMERS / 2016-11

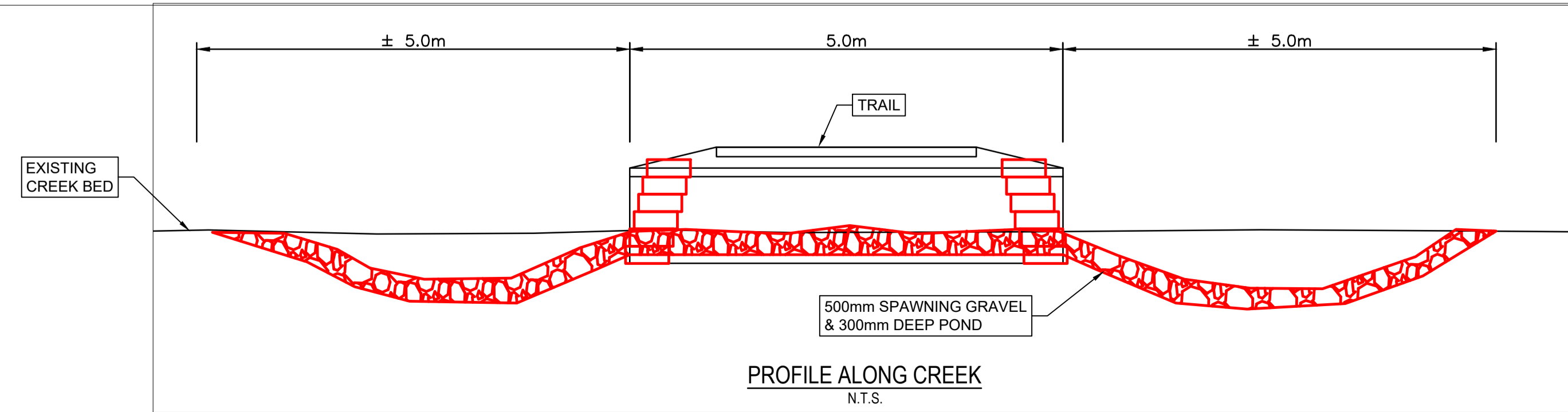
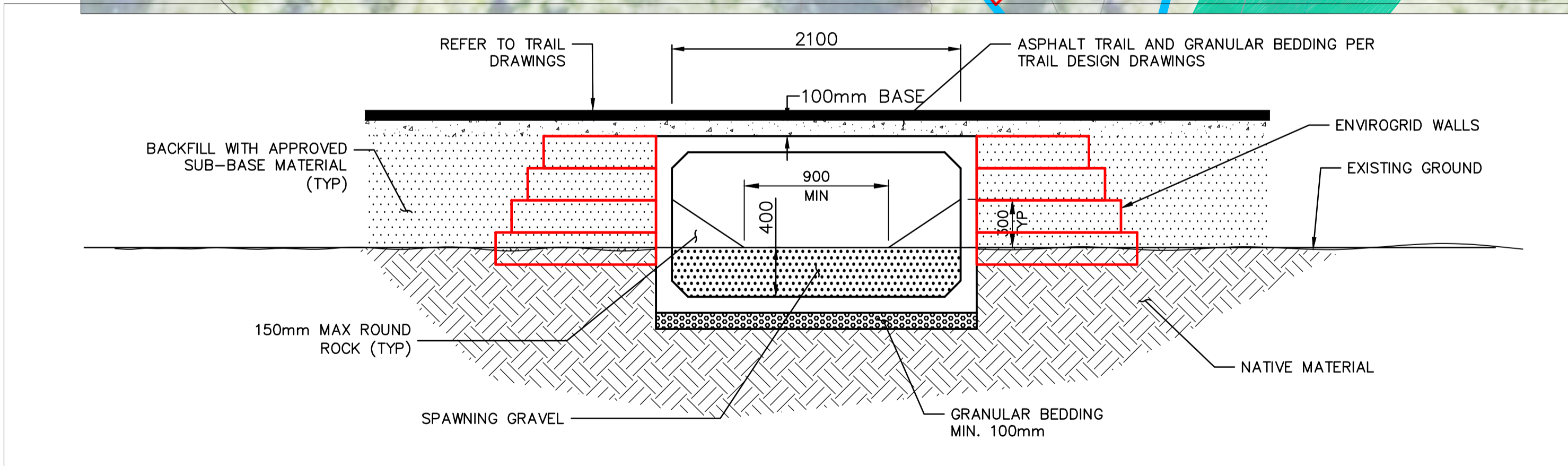
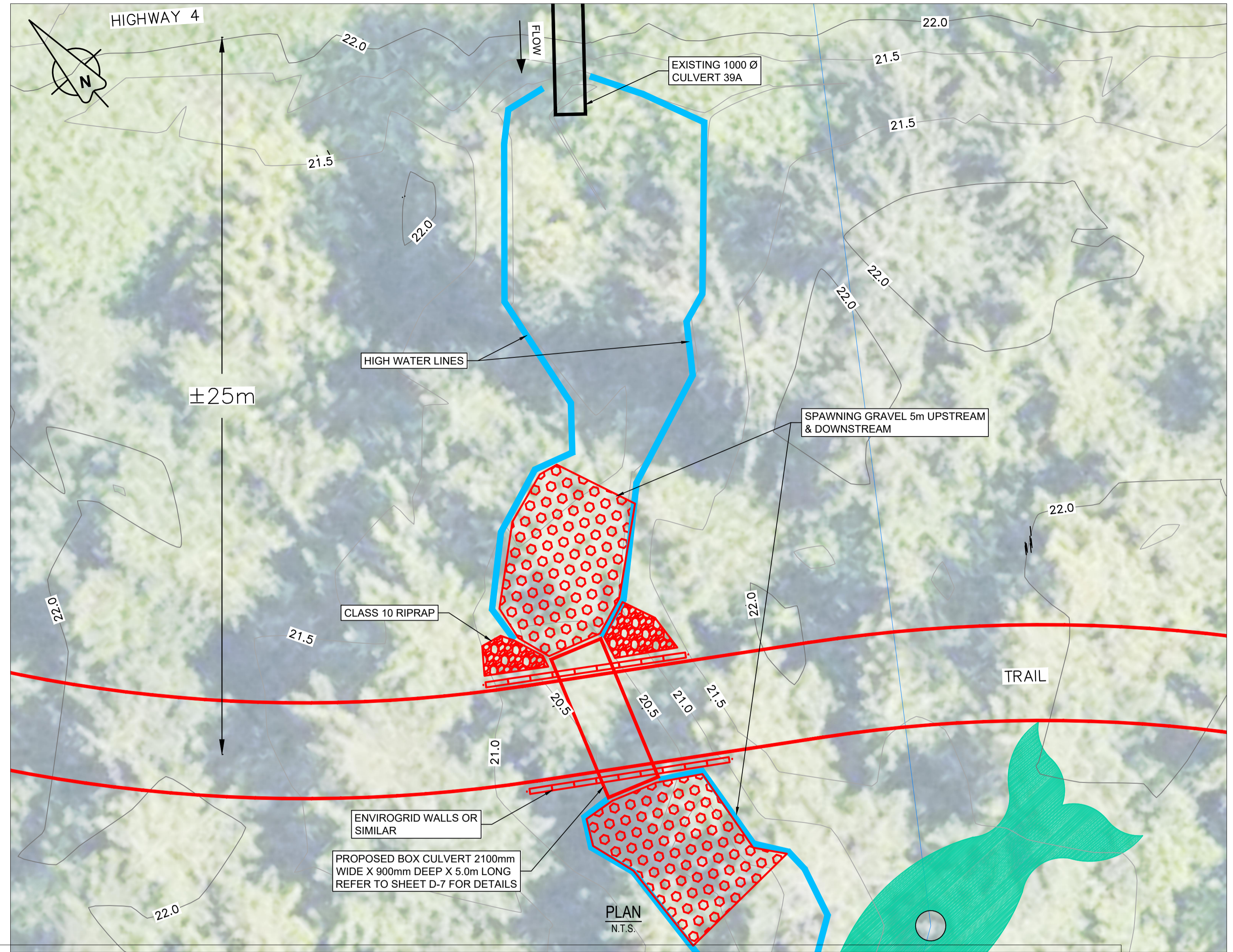
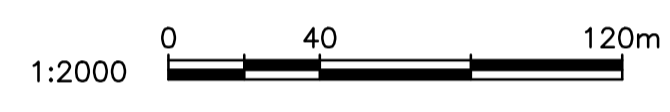
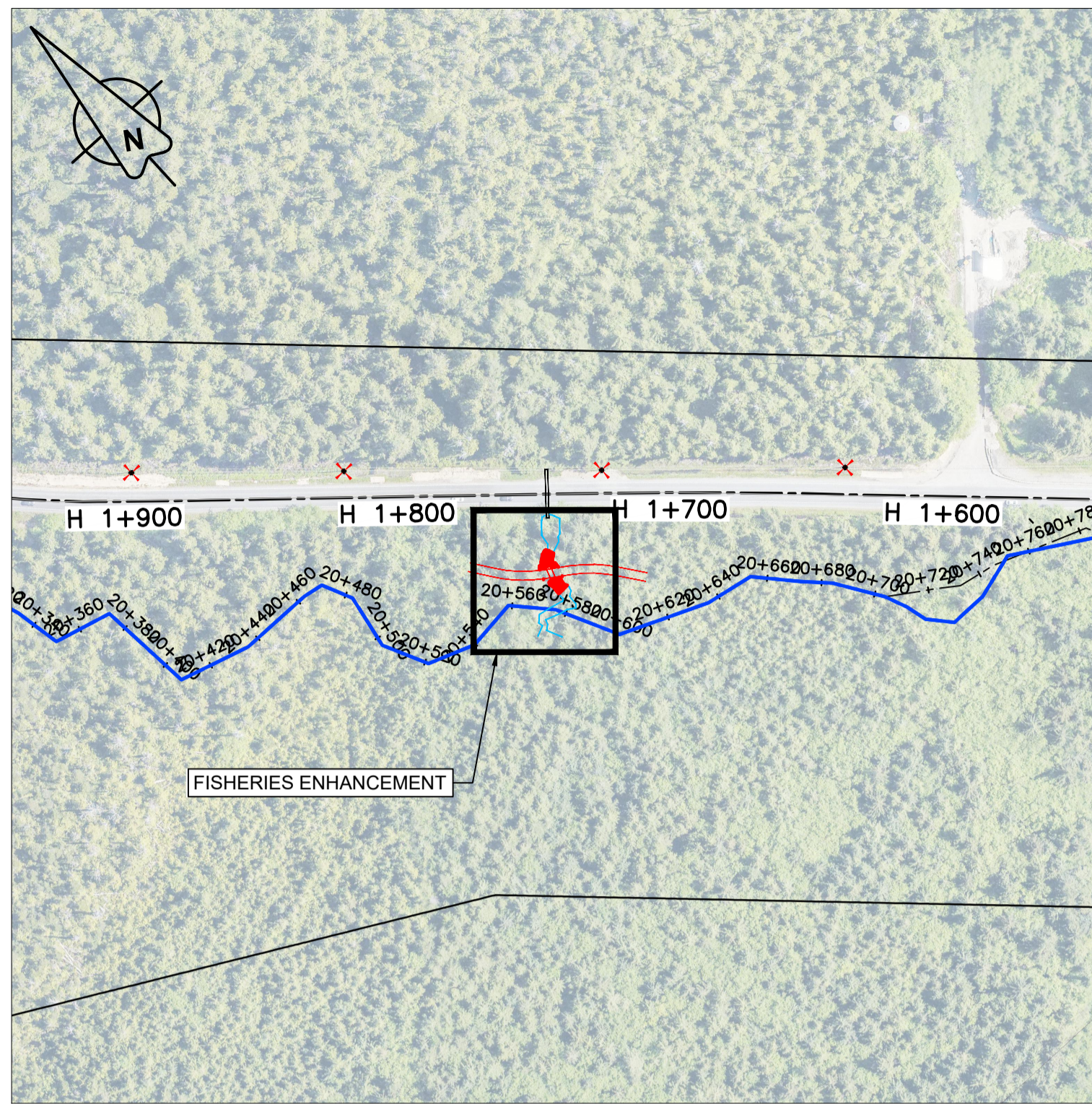
Drawn by/Dessiné par  
DAVID COX / 2017-08

PCA Project Manager/Technical Authority  
Administrateur de Projets APC  
JACKIE HICKS

Drawing title/Titre du dessin  
**ʔapsc̓iik tašii (Ups-cheek ta-shee)**  
**“Going in the right direction on the trail”**  
**CONSTRUCTION PLAN**  
**FISHERIES WORK**

CULVERT '39A'  
HIGHWAY 4 STA H1+744

Project No./No. du projet <b>PCA #1522</b>	Sheet/Feuille <b>F-15</b> OF 15	Revision no./Lo Révision no. <b>2</b>
---	---------------------------------------	--



Fisheries Enhancement	
Existing Culvert Information	
Locations:	Highway #4 - Station H1+744 at Culvert 39A
Material:	CSP Galvanized Coating
Diameter:	1,000 mm Circular
Length:	17 metres
Cover over culvert:	0.5 metres
Comments:	Trail located 25m from culvert and Highway
Proposed Enhancements	
Embed box culvert	
Place spawning gravel & create ponds in stream	

- 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

D:\V\643121 - PWGSC - 2016-12-14\PROJECTS\TRAILWORKS\FISHERIES\39A\39A-F15-1522.DWG PLOTTED ON 2016/12/14 1:08pm BY P000280C

