

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
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(Ups-cheek ta-shee)
"Going in the right
direction on the trail"**

Consultant Signature Only

Designed by/Concept par
DON CHALMERS / 2016-11

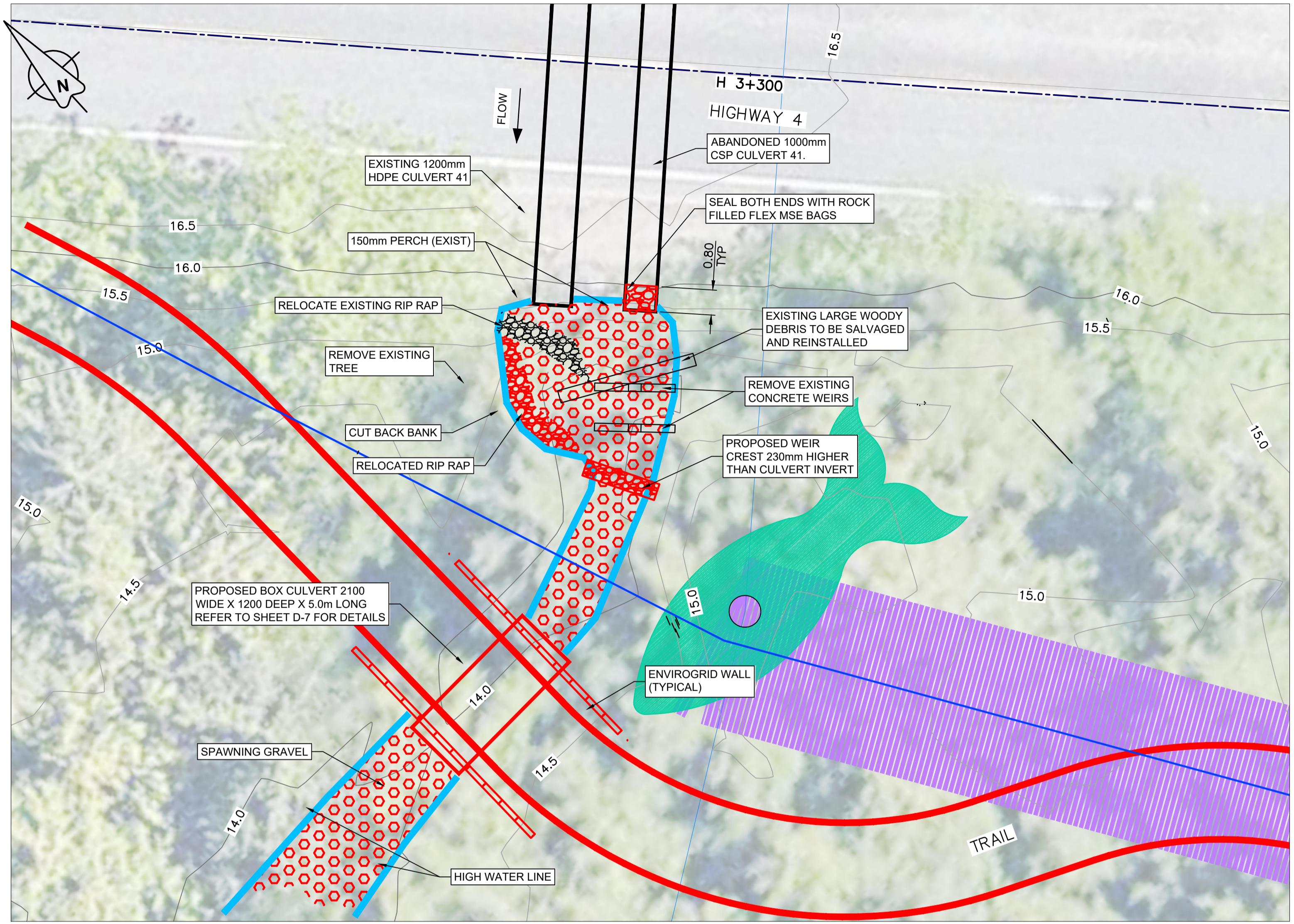
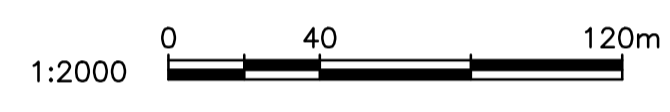
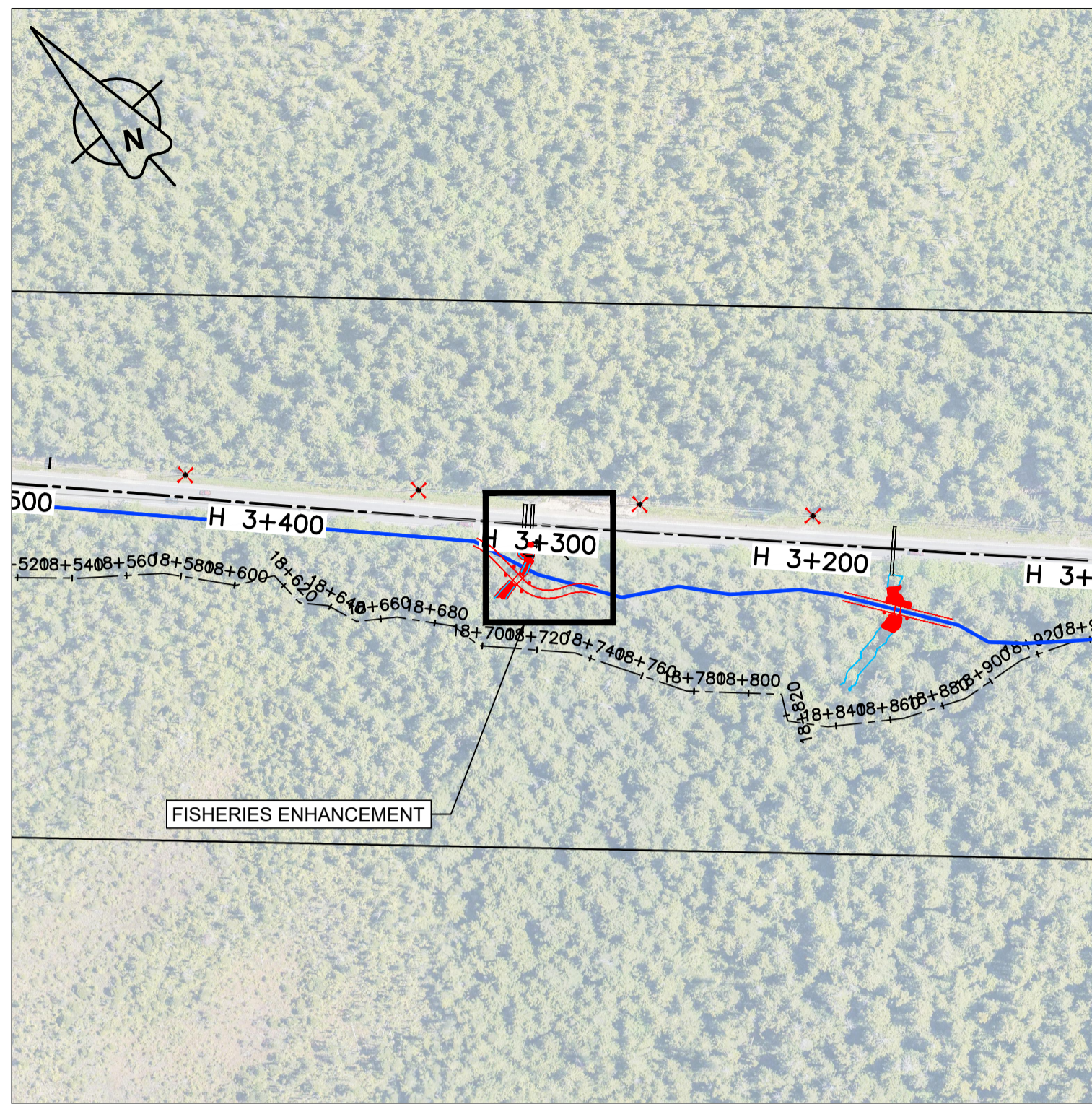
Drawn by/Dessiné par
DAVID COX / 2017-08

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

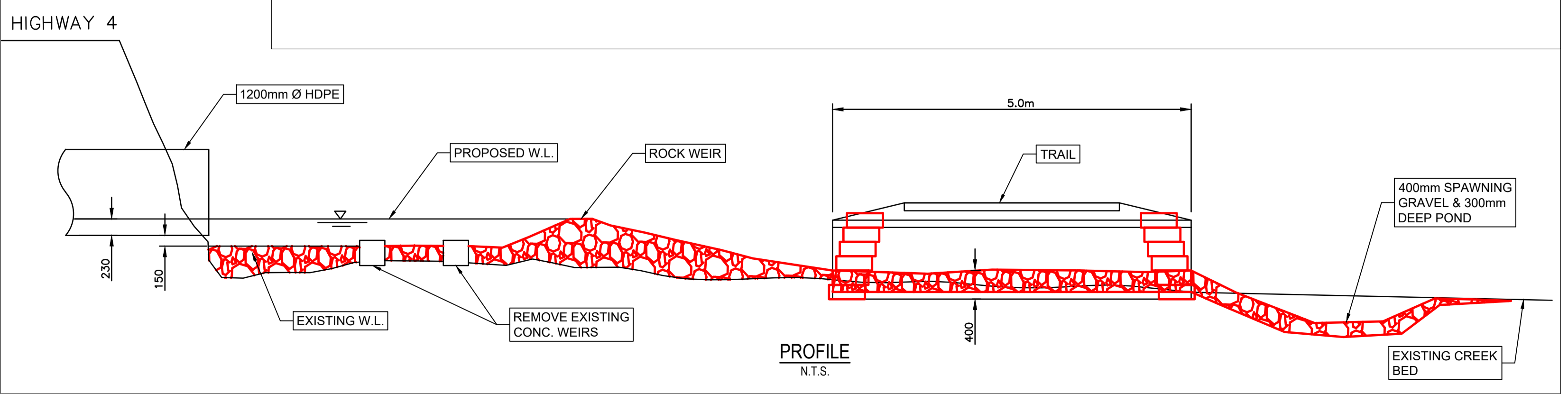
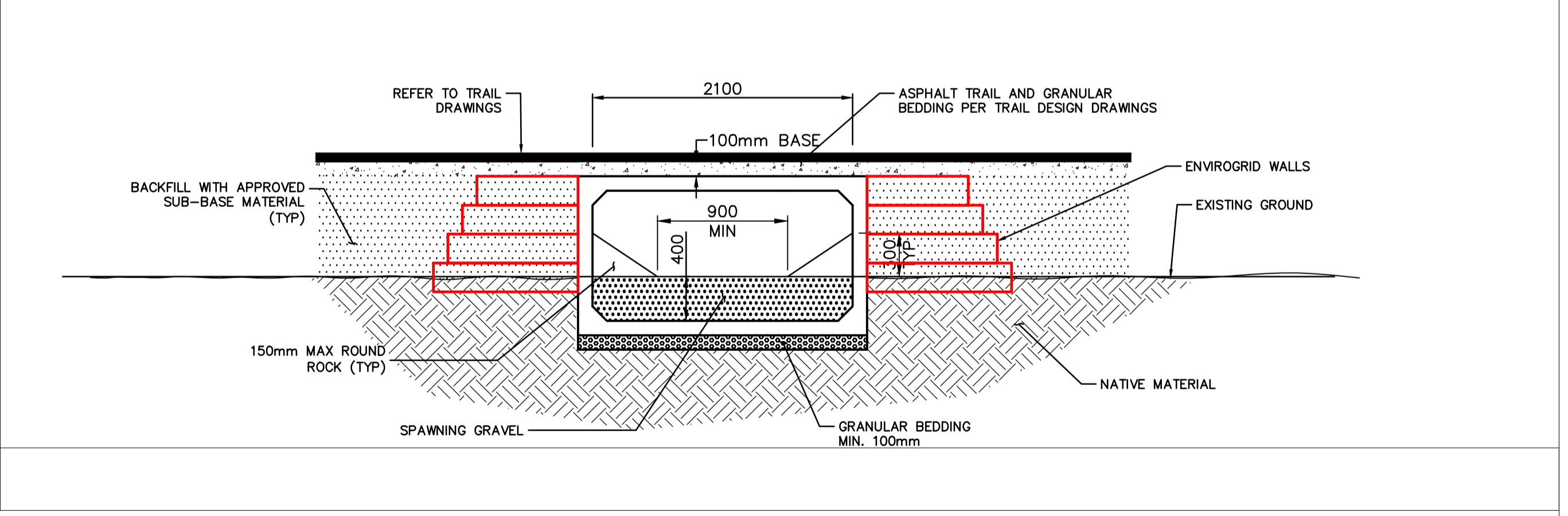
Drawing title/Titre du dessin
**ᑭᐱᓂᓕᓴᓴ ᓂᓴᓴᓴ (Ups-cheek ta-shee)
"Going in the right direction on the trail"
CONSTRUCTION PLAN
FISHERIES WORK**

CULVERT '41'
HIGHWAY 4 STA H3+304

Project No./No. du projet PCA #1522	Sheet/Feuille F-13 OF 15	Revision no./ Lo Révision no. 2
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PLAN
N.T.S.



PROFILE
N.T.S.

Fisheries Enhancement	
Existing Culvert Information	
Locations:	Highway #4 - Station H3+304 at Culvert 41
Material:	HDPE (2015 Clv't), CSP (Aband)
Diameter:	1,200 mm (2015), 1,000 mm (Aband)
Length:	18 metres (2015 and Aband)
Cover over culvert:	1.4 metres (2015), 1.5m (Aband)
Comments:	Trail located 10 m from culvert and Highway 150 mm Perched Invert
Proposed Enhancements	
Embed box culvert	
Create weir and submerge inlet of 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

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