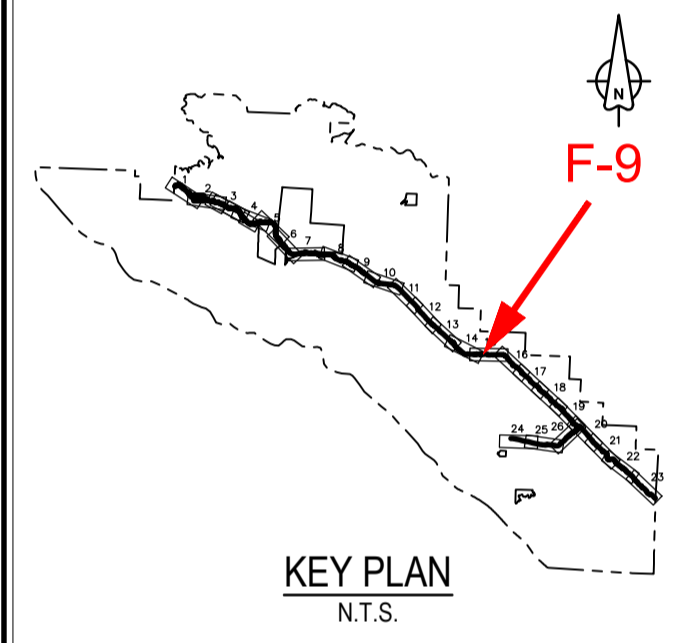


PARSONS



| | | |
|---|-------------------|------------|
| 2 | ISSUED FOR TENDER | 18/12/2016 |
| 1 | ISSUED FOR TENDER | 06/11/2017 |
| 0 | ISSUED FOR TENDER | 27/11/2017 |

| Revision/ | Description/Description | Date/Date |
|-----------|-------------------------|-----------|
|-----------|-------------------------|-----------|

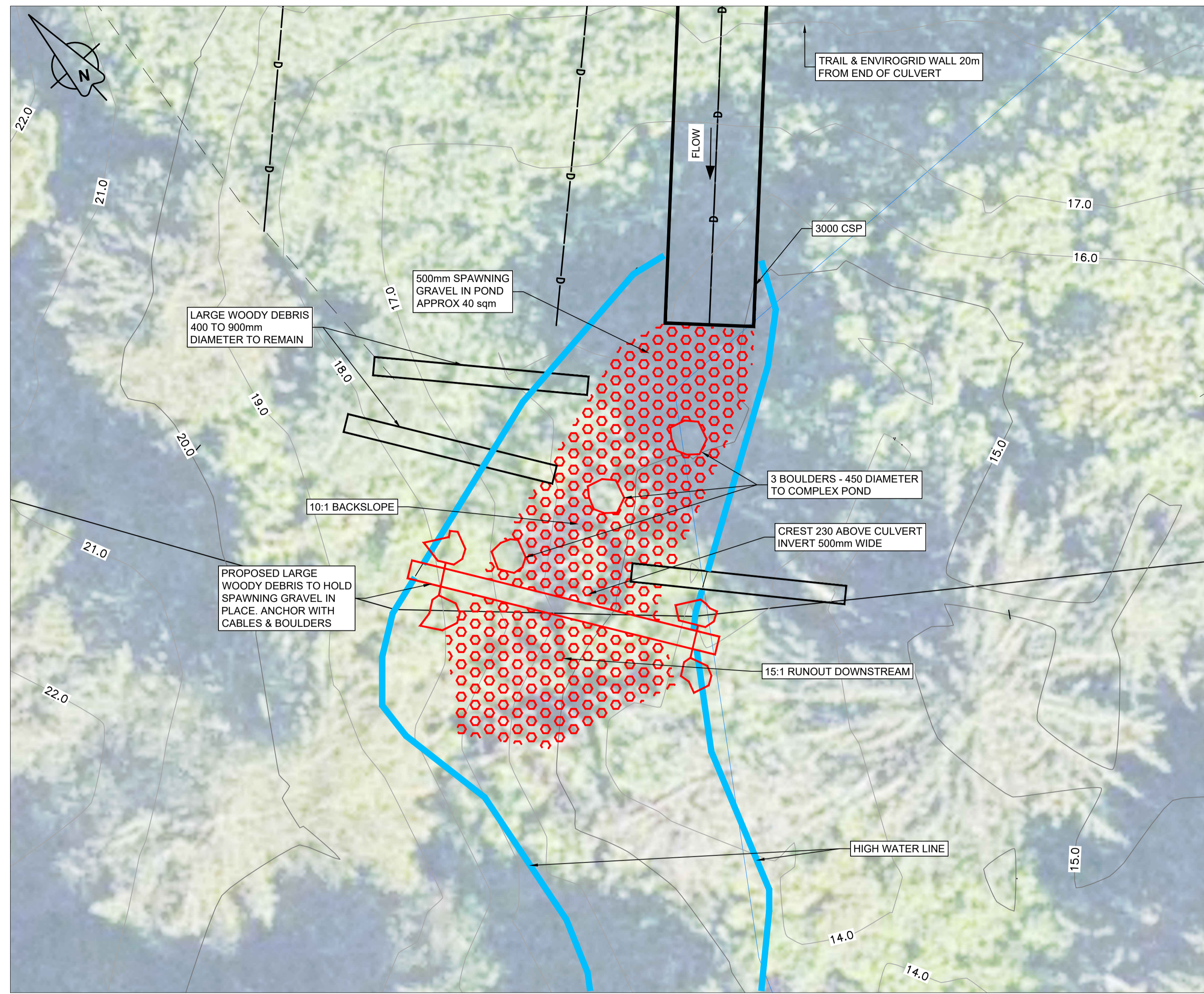
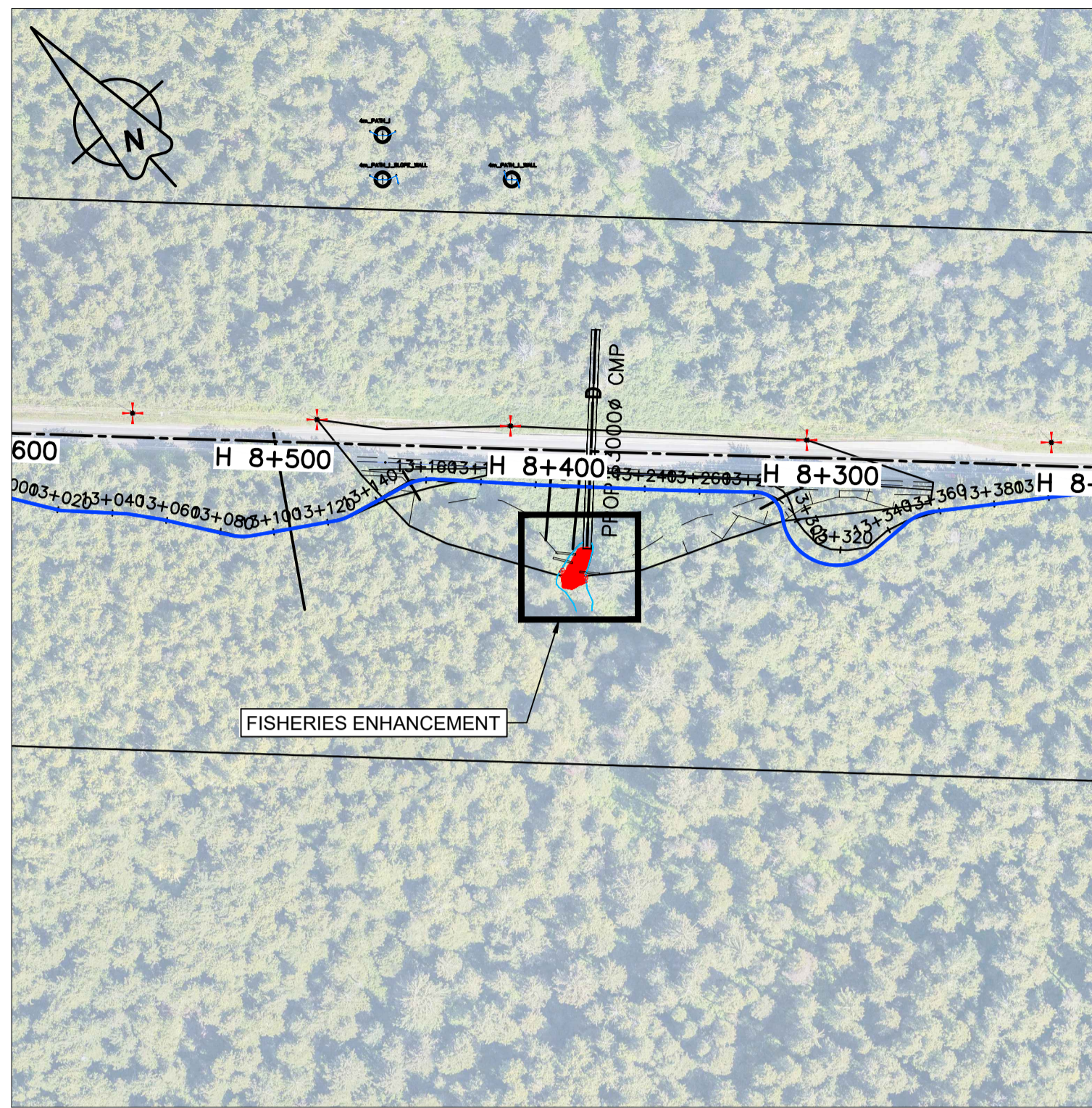
Client/client
Parks Canada L'Agence Parcs
Agency Canada
Western and Northern Region Ouest et Nord du Canada

Project title/Titre du projet
TOFINO
PACIFIC RIM NATIONAL PARK RESERVE
ᑖᐱᓂᓕᓴᓴ ᓂᐱᓴᓴ
"Going in the right direction on the trail"

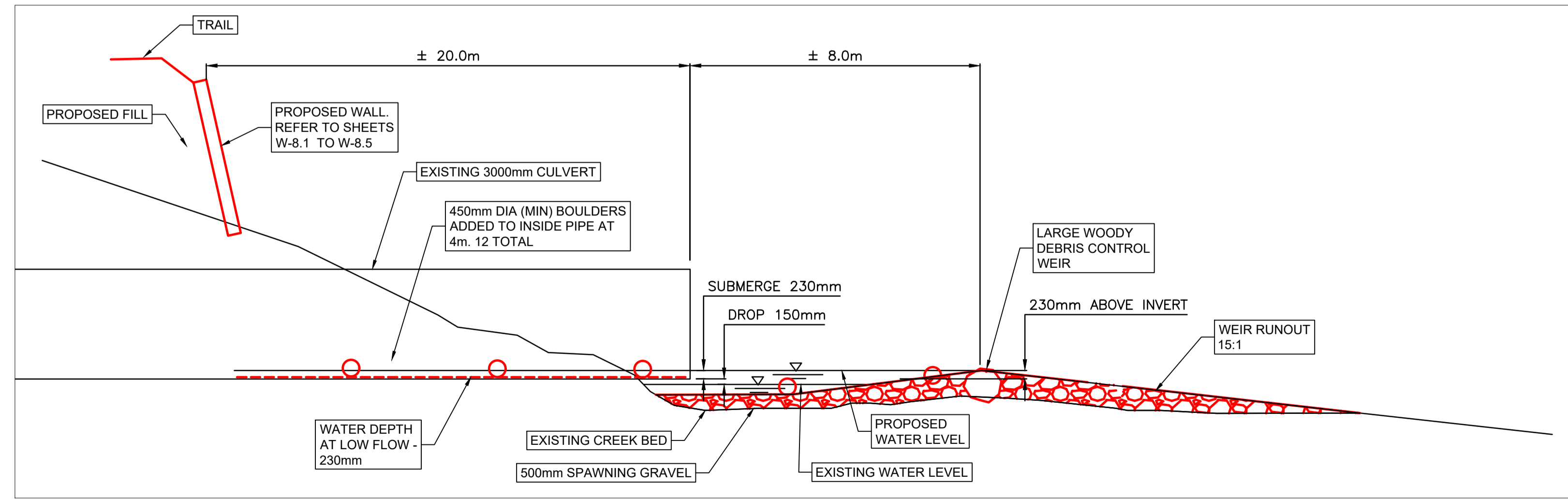
Consultant Signature Only
Designed by/Concept par
DON CHALMERS / 2016-11
Drawn by/Dessiné par
DAVID COX / 2017-08
PCA Project Manager/Technical Authority
Administrateur de Projets APC
JACKIE HICKS

Drawing title/Titre du dessin
ᑖᐱᓂᓕᓴᓴ ᓂᐱᓴᓴ (Ups-cheek ta-shée)
"Going in the right direction on the trail"
CONSTRUCTION PLAN
FISHERIES WORK
CULVERT '57'
HIGHWAY 4 STA H8+400

| | | |
|---|--------------------------------------|--|
| Project No./No. du projet PCA #1522 | Sheet/Feuille F-9 OF 15 | Revision no./Lo Révision no. 2 |
|---|--------------------------------------|--|



PLAN
N.T.S.



PROFILE
N.T.S.

| Fisheries Enhancement | |
|------------------------------------|---|
| Existing Culvert Information | |
| Locations: | Highway #4 - Station H4+400 at Wall # 8 |
| Material: | CSP Galvanized Coating |
| Diameter: | 3,000 mm Circular |
| Length: | 80 to 90 metres |
| Cover over culvert: | 11 metres |
| Comments: | Perched end |
| Proposed Enhancements | |
| Eliminate Perched End | |
| Provide additional spawning gravel | |
| Add boulder baffles inside culvert | |

- 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\43121 - PWGSC - 2016-11-19\PROJECT - TRAILWORKS\FISHERIES\AS3121-11T-SHEETS\F-9-FISHERIES.DWG PLOTTED ON 2016/12/14 10:48am BY P00290C