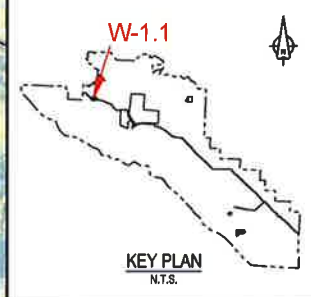
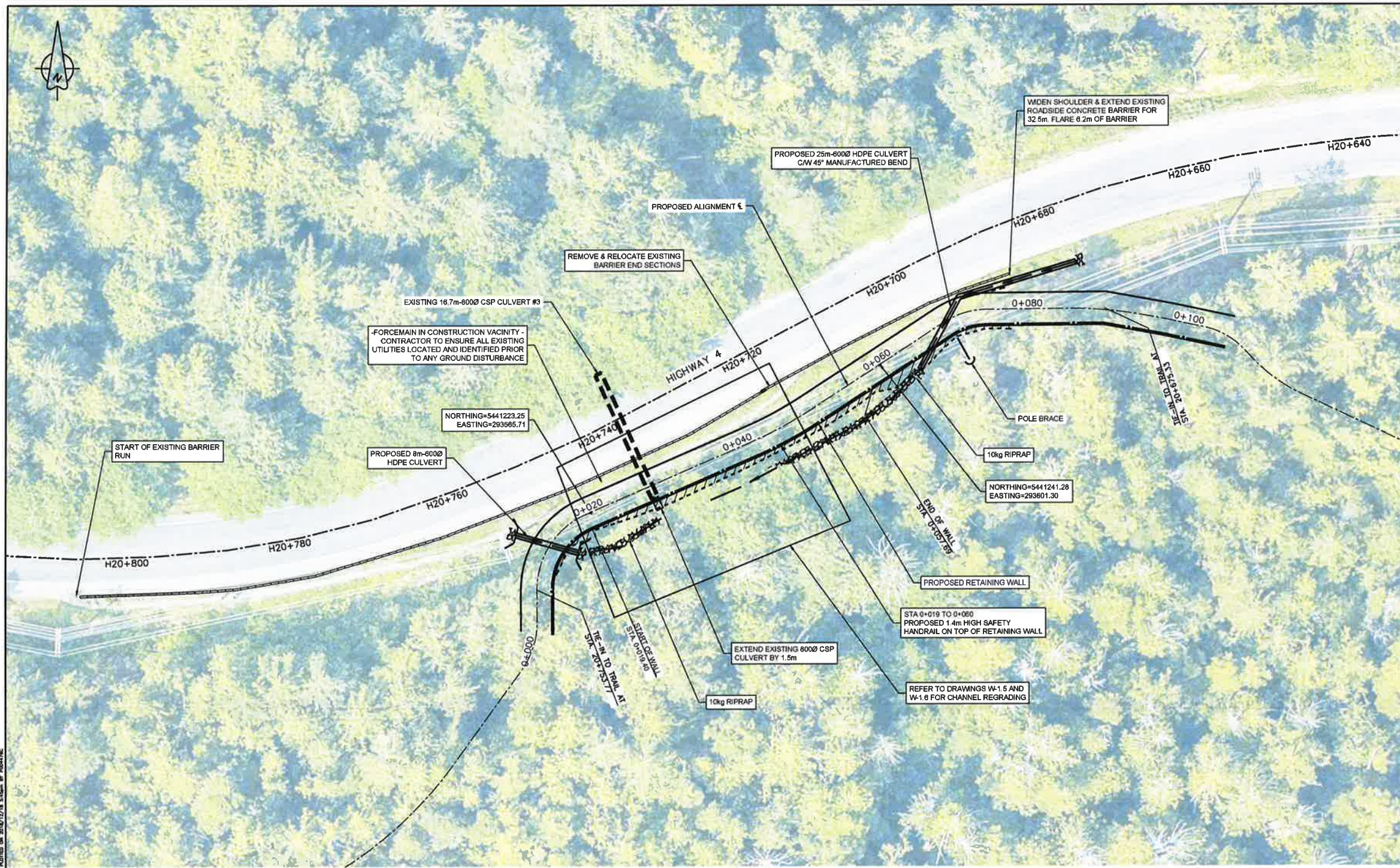


**PARSONS**



1	ISSUED FOR TENDER	03/11/2018
2	ISSUED FOR TENDER	03/11/2018
3	ISSUED FOR TENDER	03/11/2018
4	ISSUED FOR TENDER	03/11/2018
5	ISSUED FOR TENDER	03/11/2018

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

**TOFINO**  
**PACIFIC RIM NATIONAL PARK RESERVE**  
**ʔapsčlik ʔasłil**  
**"Ups-cheek ta-shoo"**  
**"Going in the right direction on the trail"**

Designer: Don Chalmers / 2018-11  
Drawn by: David Oox / 2018-11  
PCA Project Manager/Ingénieur de Projets APC  
JACOBIE HICKS

ʔapsčlik ʔasłil (Ups-cheek ta-shoo)  
"Going in the right direction on the trail"  
**TRAIL DESIGN**  
SITE A - WALL / FILL SLOPE  
SECTION 8  
PLAN (CULVERT #3)  
HIGHWAY 4 STA H20+720

Project No./No. de projet: PCA #1822  
Sheet/Feuille: W-1.1  
Revision/Revisión: 2  
OF 5



PLAN  
1:250

EXISTING		PROPOSED	
---	EDGE OF PAVEMENT	---	EDGE OF TRAIL
---	SHOULDER OF HIGHWAY	---	CONCRETE ROADSIDE BARRIER
---	CONCRETE ROADSIDE BARRIER	---	STEEL PIPE HANDRAIL
---	TOE OF SLOPE	---	RETAINING WALL
---	TOP OF BANK	---	TOE OF CUT/FILL
---	EDGE OF CREEK/DITCH	---	CENTER OF CREEK/DITCH
---	CENTER OF CREEK/DITCH	---	EXTEND OF CUT/FILL
---	SLOUGH	---	CLASS 10 RIPRAP
+	UTILITY POLE		



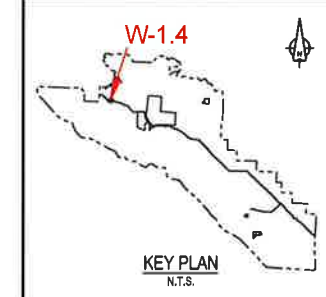
- NOTES:**
1. SURVEY DATA IS BASED UPON THE UTM NAD83 COORDINATE SYSTEM.
  2. THE CONTRACTOR SHALL ADHERE TO ALL ENVIRONMENTAL REGULATIONS AS SPECIFIED IN THE CONTRACT.
  3. THE FINAL TRAIL ALIGNMENT SHALL BE ESTABLISHED IN THE FIELD BY DEPARTMENTAL REPRESENTATIVE.
  4. EXACT LOCATIONS AND SIZES OF RETAINING WALLS SHOWN IN PLAN TO BE CONFIRMED IN FIELD BY DEPARTMENTAL REPRESENTATIVE.
  5. FOR TYPICAL TRAIL SECTIONS SEE DRAWING T-40.1 AND T-40.2.
  6. FOR HAND RAILS AND ACCESS BARRIERS SEE DRAWING T-49.1 AND T-49.2.
  7. THE CONTRACTOR MUST NOT LOCATE ANY EQUIPMENT, LABOUR OR MATERIALS WITHIN THE FIRST NATION RESERVE BOUNDARIES.
  8. RETAINING WALLS SHALL BE ENVIROGRID OR SIMILAR APPROVED.
  9. PROTECT NEW SLOPES WITH EROSION CONTROL MATTING.
  10. RETAINING WALL STATIONING IS INDEPENDENT OF TRAIL STATIONING.
  11. FOR GEOTECHNICAL PARAMETERS REFER TO "FINAL GEOTECHNICAL SITE ASSESSMENT - PHASE 3, PACIFIC TRAVERSE TRAIL" DATED DECEMBER 2018 BY WOOD PLC REPORT.
  12. FOR DETAILS OF ROADSIDE BARRIERS AND FLARES SEE DRAWING T-46.
  13. POSTED HIGHWAY SPEED 80 km/hr.

PROJECT: PCA #1822 - TRAIL DESIGN - TOFINO NATIONAL PARK RESERVE - DRAWING: W-1.1 - DATE: 11/15/2018 - SCALE: 1:250 - SHEET: 2 OF 5





**PARSONS**



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2	ISSUED FOR TENDER	10/10/2017

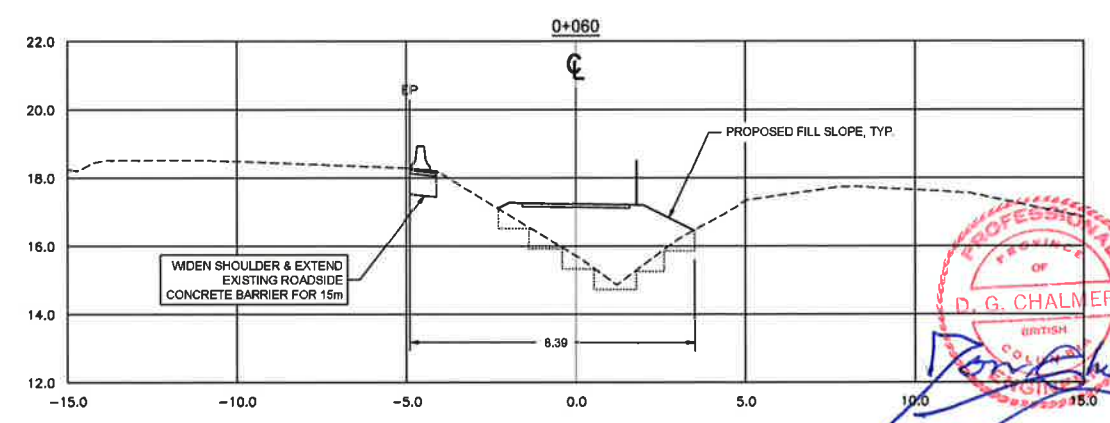
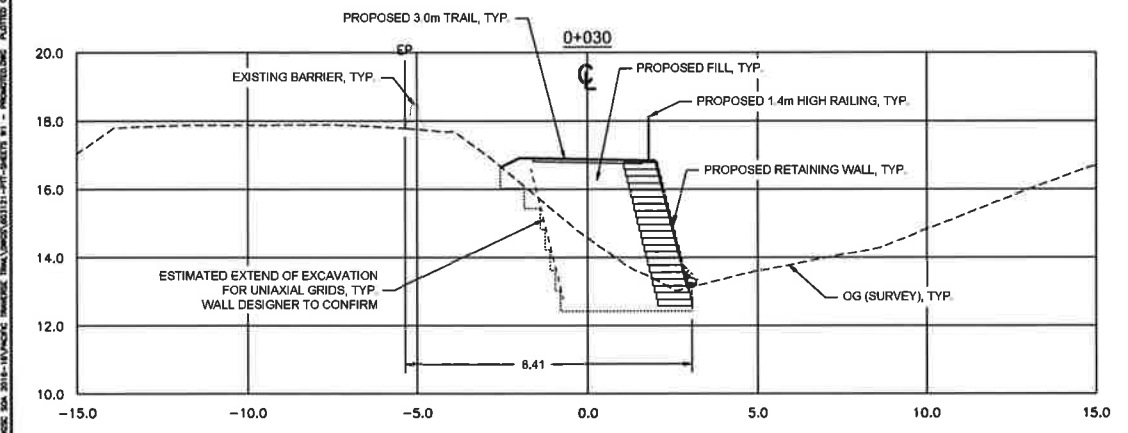
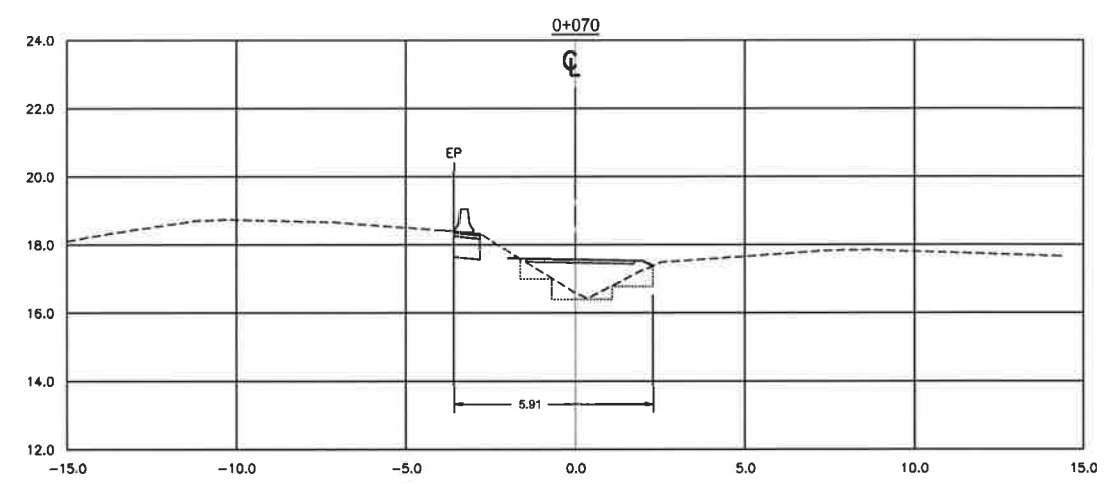
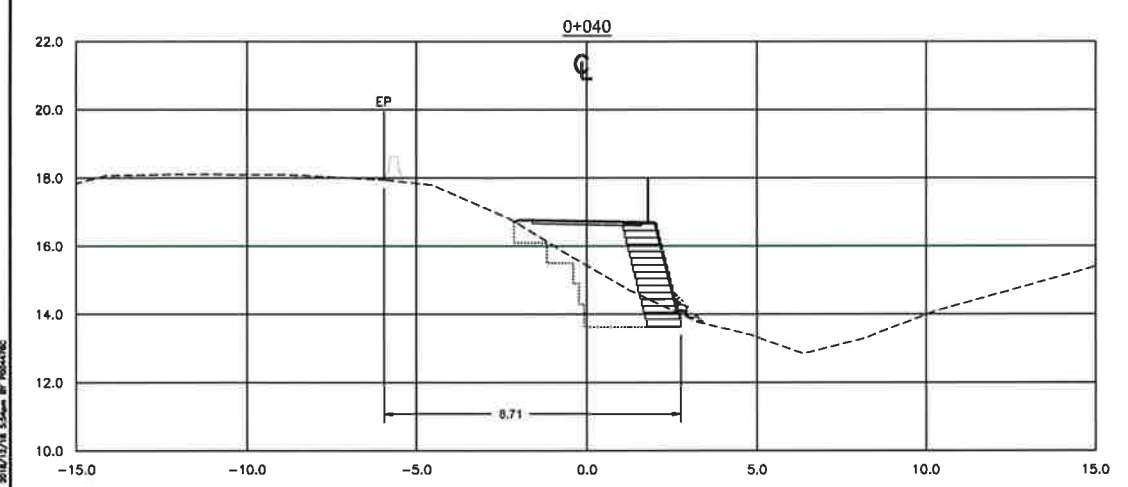
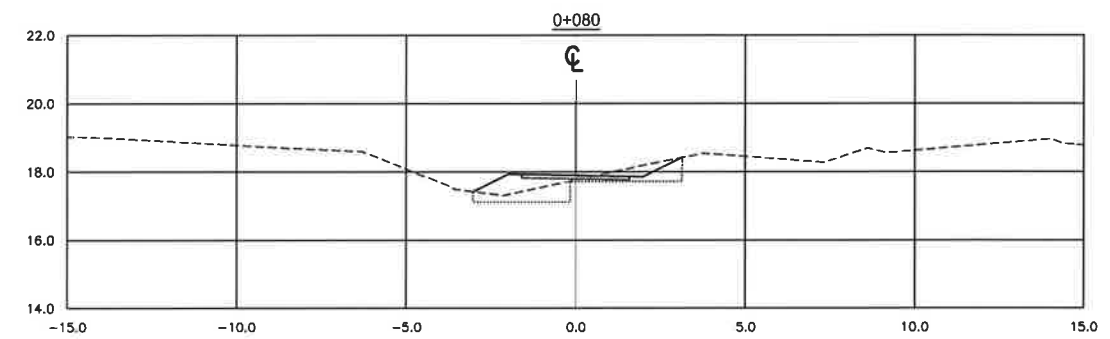
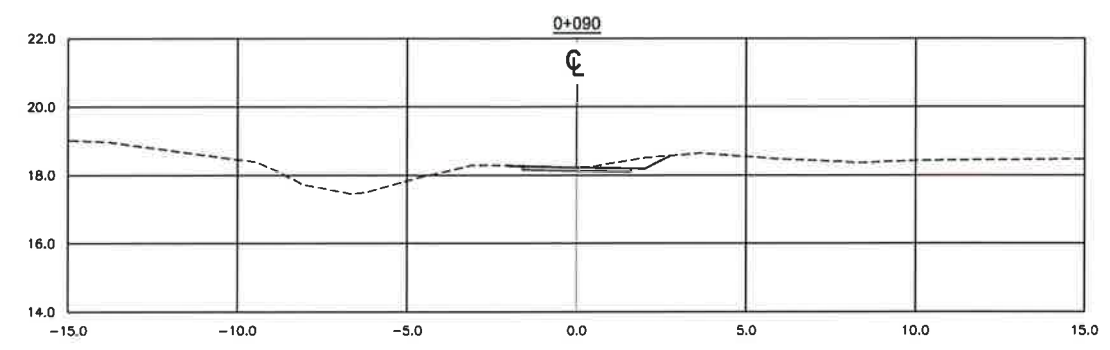
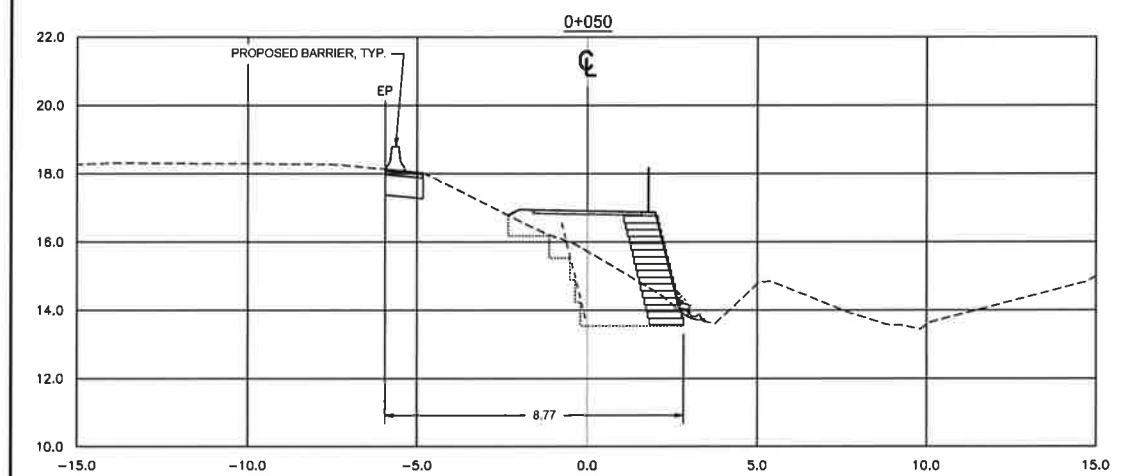
Parks Canada L'Agence Parcs  
Agency Canada  
Western and Northern Region Ouest et Nord du Canada

**TOFINO**  
**PACIFIC RIM NATIONAL PARK RESERVE**  
**ʔapsc̓lik taš̓li (Ups-cheek ta-shee)**  
**"Going in the right direction on the trail"**

Developed by/Concept par  
**DON CHALMERS / 2016-11**  
Drawn by/Établi par  
**JACKIE TAN / 2016-11**  
PCA Project Manager/Échelleur de Projets APC  
Jackie Hicks

Drawn by/Établi par  
**ʔapsc̓lik taš̓li (Ups-cheek ta-shee)**  
**"Going in the right direction on the trail"**  
**TRAIL DESIGN**

**SITE A - WALL / FILL SLOPE SECTIONS**  
Project No./No. de projet  
**PCA #1522**  
Sheet/Échelle  
**W-1.4**  
of 5  
Revision/Revisión  
**1**



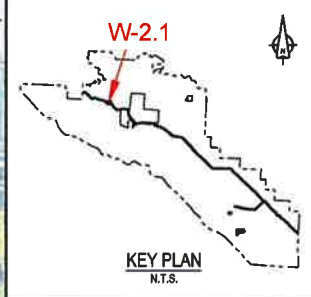
**SECTIONS**  
1:100

**DEC 18 2018**





PARSONS



NO.	DATE	DESCRIPTION
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2	10/11/2018	ISSUED FOR TENDER
3	06/10/2018	ISSUED FOR TENDER

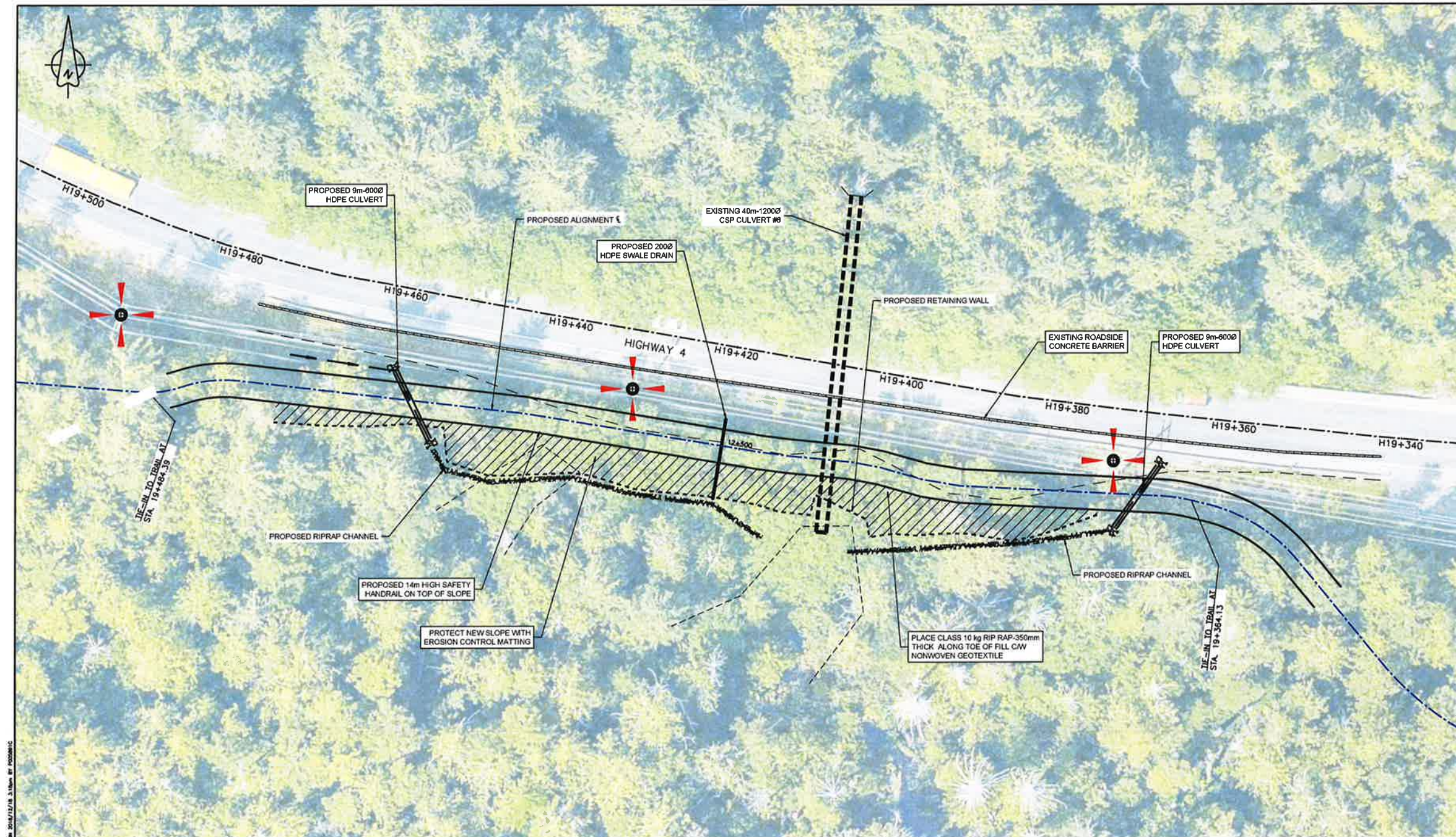
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Western and Northern Region / Ouest et Nord du Canada

TOFINO  
**PACIFIC RIM NATIONAL PARK RESERVE**  
**ᑕᐱᓂᓕᓴᓴ ᓂᐱᓴᓴ**  
**(Ups-cheek ta-shee)**  
**"Going in the right direction on the trail"**

Design: by/Concept par DON CHALMERS / 2018-11  
Exec: by/Exécute par JACKIE TAN / 2017-02

**ᑕᐱᓂᓕᓴᓴ ᓂᐱᓴᓴ (Ups-cheek ta-shee)**  
**"Going in the right direction on the trail"**  
TRAIL DESIGN  
SITE B - WALL / FILL SLOPE  
PLAN (CULVERT #8)  
HIGHWAY 4 STA H19+420

Project No./No. de projet	Sheet/Feuille	Revised/Revisé
PCA #1622	W-2.1 of 4	2



PLAN  
1:250

LEGEND

EXISTING	PROPOSED
— EDGE OF PAVEMENT	— EDGE OF TRAIL
— SHOULDER OF HIGHWAY	— CONCRETE ROADSIDE BARRIER
— CONCRETE ROADSIDE BARRIER	— STEEL PIPE HANDRAIL
— TOE OF SLOPE	— RETAINING WALL
— TOP OF BANK	— TOE OF CUT/FILL
— EDGE OF CREEK/DITCH	— CENTER OF CREEK/DITCH
— CENTER OF CREEK/DITCH	— EXTEND OF CUT/FILL
— SLOUGH	— CLASS 10 RIPRAP
— UTILITY POLE	



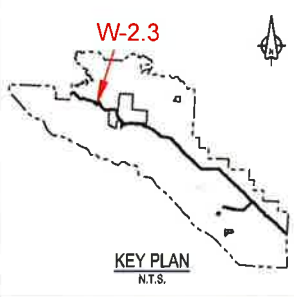
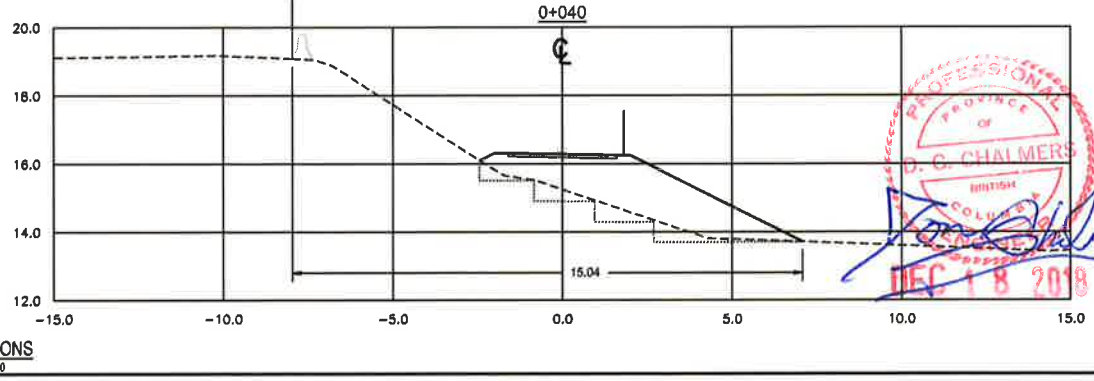
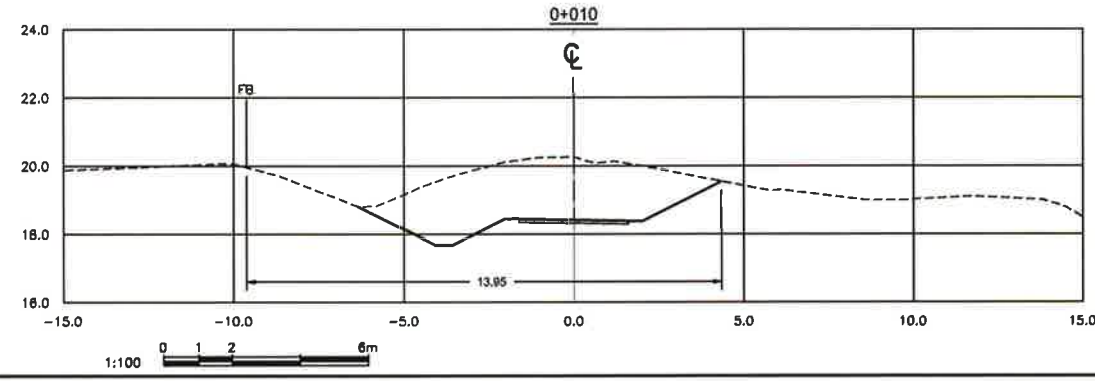
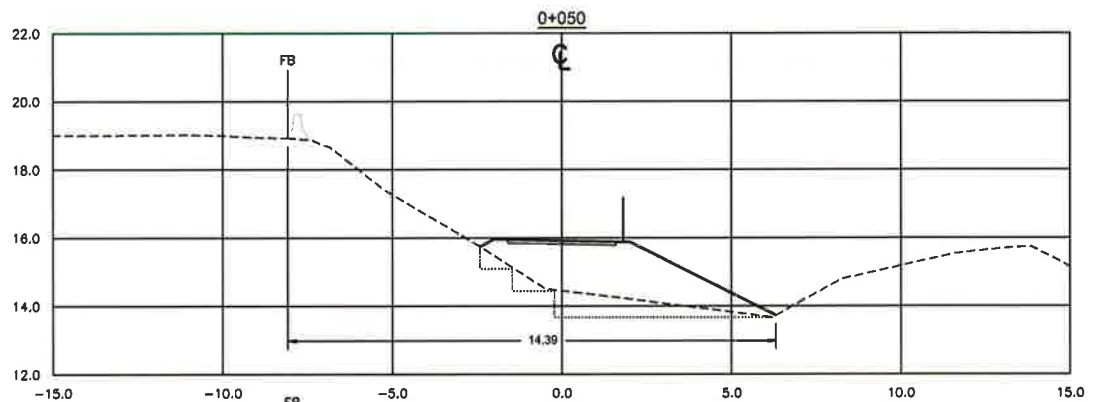
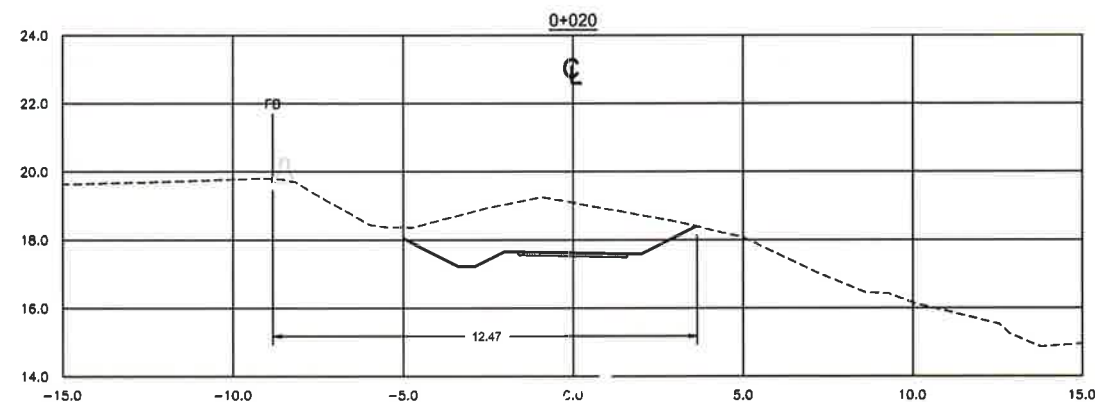
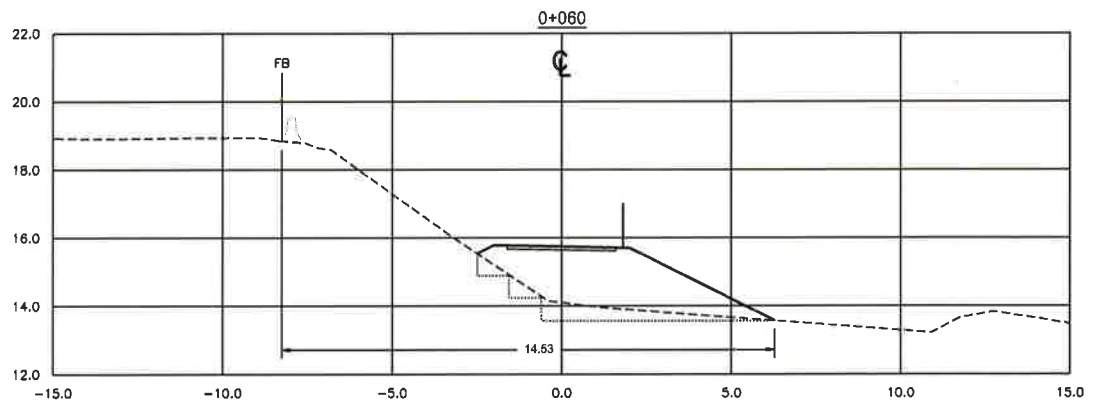
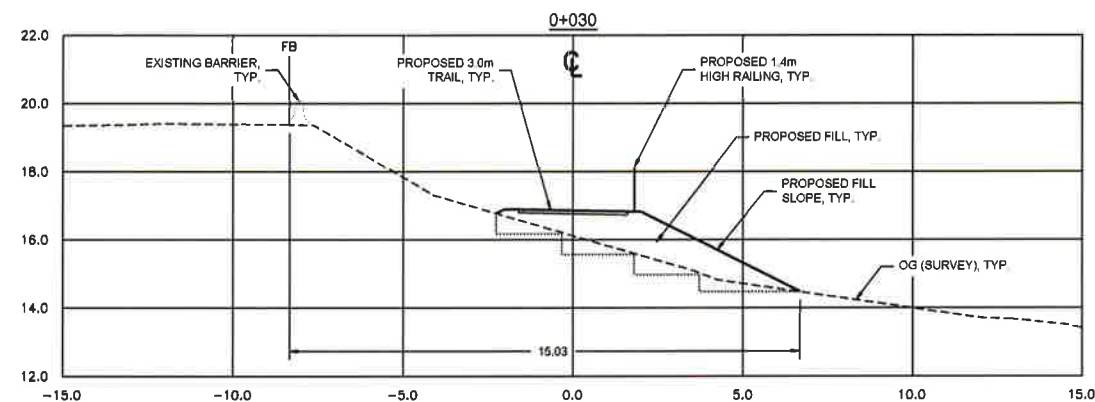
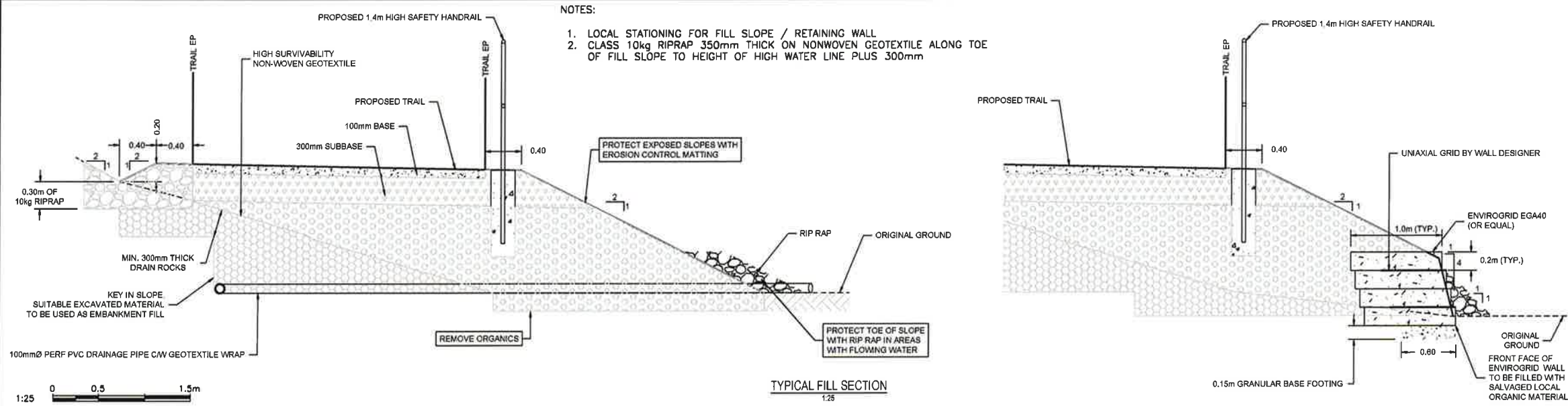
NOTES:

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12. FOR DETAILS OF ROADSIDE BARRIERS AND FLARES SEE DRAWING T-46.
13. POSTED HIGHWAY SPEED 80 km/hr.





**PARSONS**



1	ISSUED FOR TENDER	11/12/2018
0	ISSUED FOR TENDER	10/10/2017
1	ISSUED FOR TENDER	11/12/2018
0	ISSUED FOR TENDER	10/10/2017

Client/Client

Parks Canada L'Agence Parcs  
Agency Canada

Western and Northern Region Ouest et Nord du Canada

Project title/Title du projet

**TOFINO**

**PACIFIC RIM NATIONAL PARK RESERVE**

**ʔapsc̓lik faš̓il**

**(Ups-cheek ta-shee)**

**"Going in the right direction on the trail"**

Engineer/Ingénieur

Don Chalmers / 2018-11

Drawn by/Dessiné par

Jackie Tan / 2017-02

PCA Project Manager/Contrôle de projet

Administrateur de Projets APC

Jackie Hicks

Drawn by/Tracé par

ʔapsc̓lik faš̓il (Ups-cheek ta-shee)

"Going in the right direction on the trail"

**TRAIL DESIGN**

**SITE B - WALL / FILL SLOPE SECTIONS**

Project No./No. de projet

PCA #1622

Sheet/Feuille

W-2.3

of 4

Revision no./No. de révision

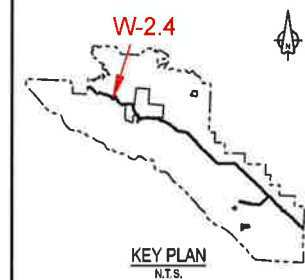
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**PARSONS**



1	ISSUED FOR TENDER	8/12/2018
2	ISSUED FOR TENDER	10/10/2018
3	Engineering/Design/Approval	12/12/2018

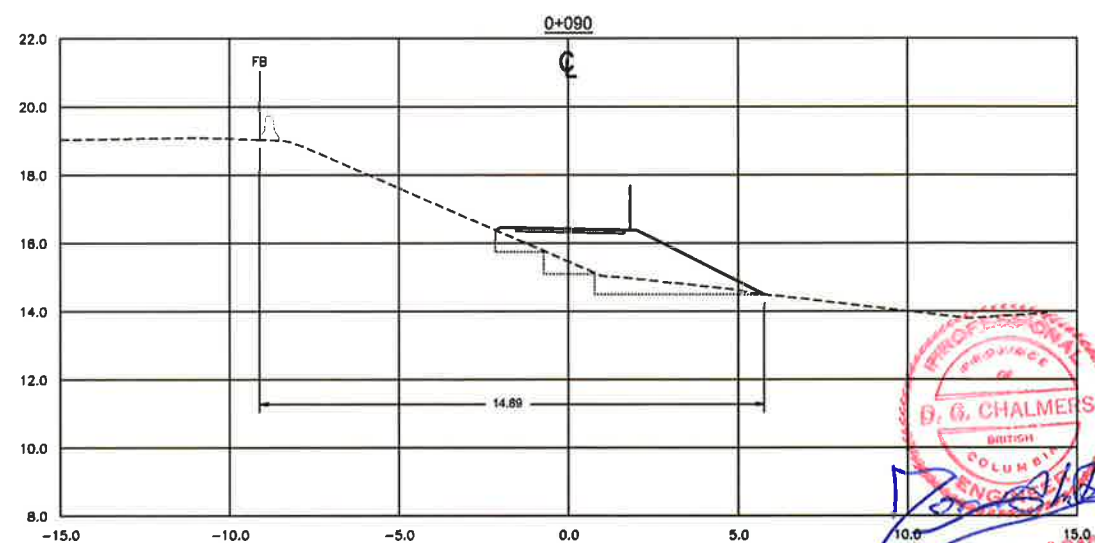
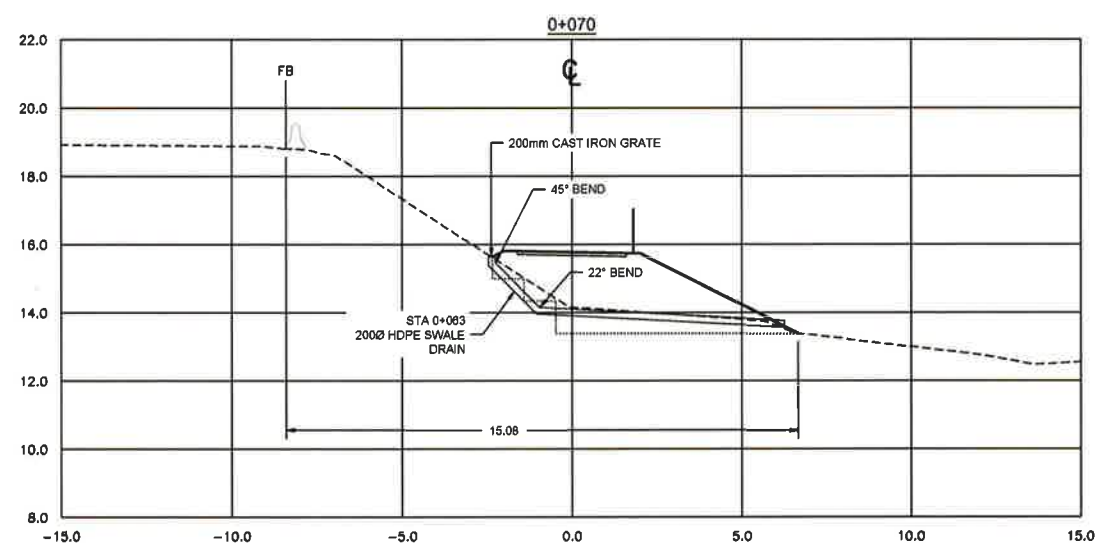
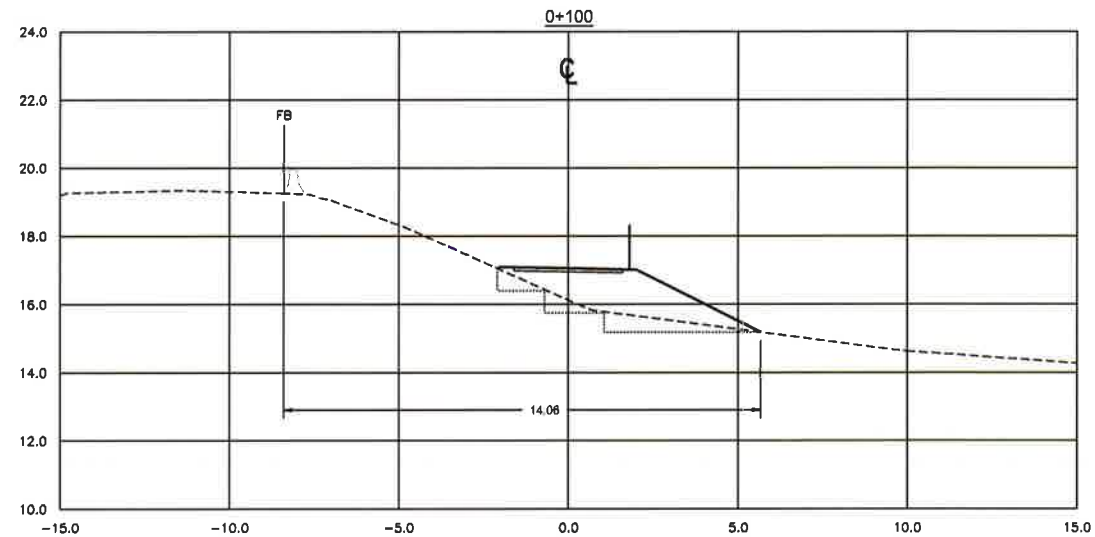
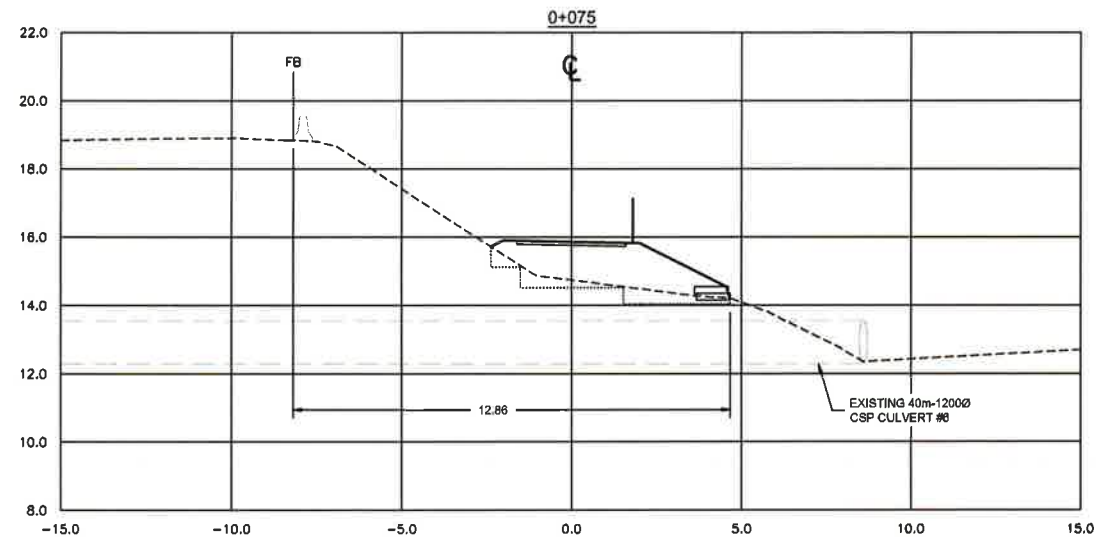
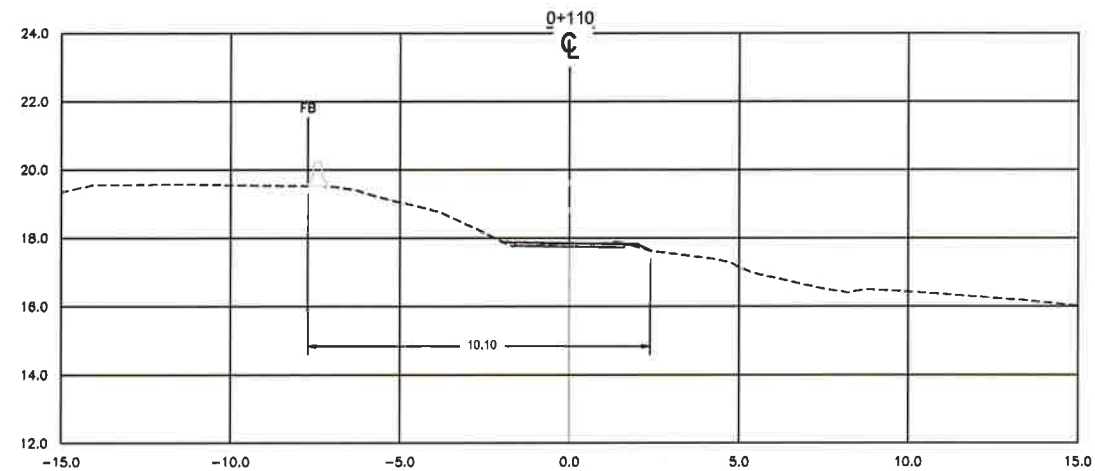
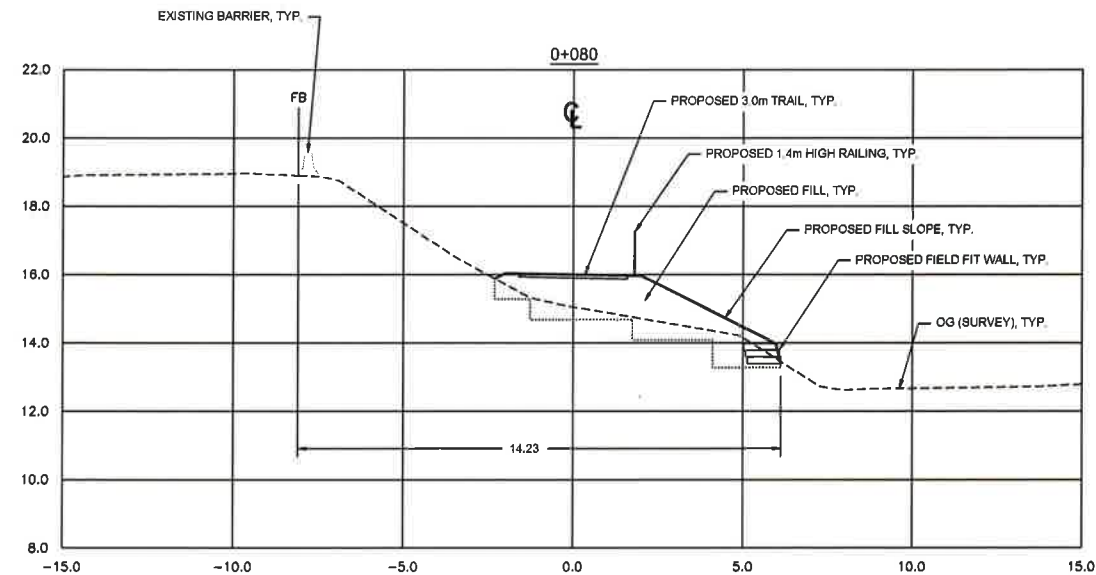
Parks Canada L'Agence Parcs  
Agency Canada  
Western and Northern Region Ouest et Nord du Canada

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

Designer/ Designer par  
**DON CHALMERS / 2016-11**  
Drawn by/ Dessiné par  
**JACKIE TAN / 2017-02**  
PCA Project Supervisor/ Superviseur de Projets APC  
**JACKIE HICKS**

Drawn by/ Titre du dessin  
?apsčlik fašil (Ups-cheek  
ta-shee)  
"Going in the right direction on the  
trail"  
**TRAIL DESIGN**  
SITE B - WALL / FILL SLOPE  
SECTIONS

Project No./No. du projet <b>PCA #1622</b>	Sheet/Feuille <b>W-2.4</b> of 4	Revision No./ No. de révision <b>1</b>
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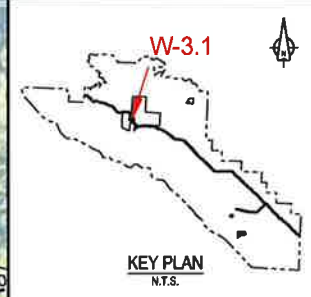
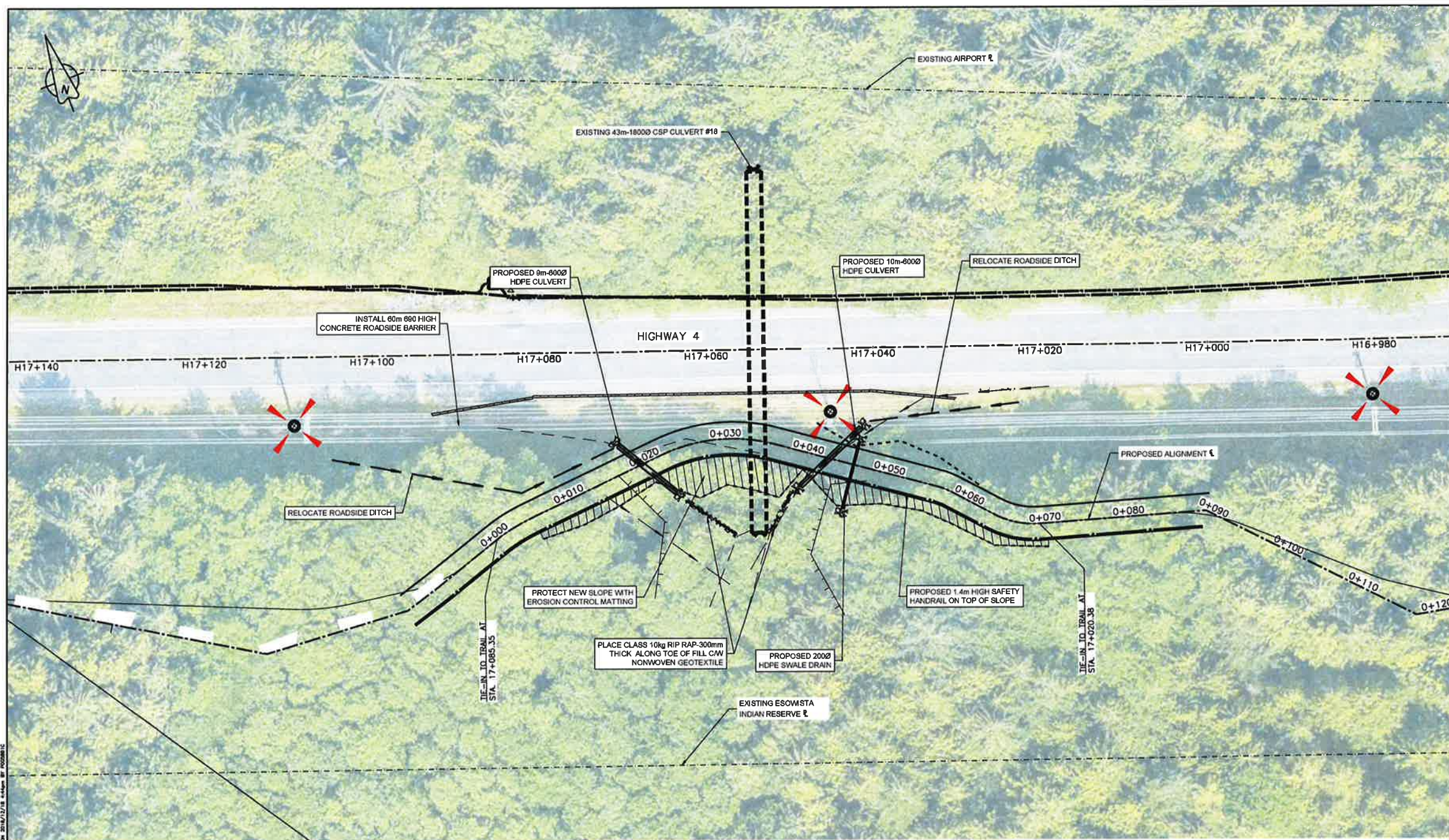


SECTIONS  
1:100



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PARSONS



1	ISSUED FOR TENDER	04/12/2016
2	ISSUED FOR TENDER	05/11/2016
3	ISSUED FOR TENDER	05/10/2016

Parcs Canada L'Agence Parcs Canada  
Western and Northern Region Ouest et Nord du Canada

TOFINO  
PACIFIC RIM NATIONAL PARK RESERVE  
?apscilk fasli  
(Ups-cheek ta-shee)  
"Going in the right direction on the trail"

Designed by/Concept par  
DON CHALMERS / 2016-11  
Drawn by/Établi par  
JACQUE TAN / 2017-02

Trail Design  
SITE C - FILL SLOPE  
PLAN (CULVERT #18)  
HIGHWAY 4 STA H17+000

Project No./No. de projet: PCA #1522  
Sheet No./No. de feuille: W-3.1  
Revision No./No. de révision: 2

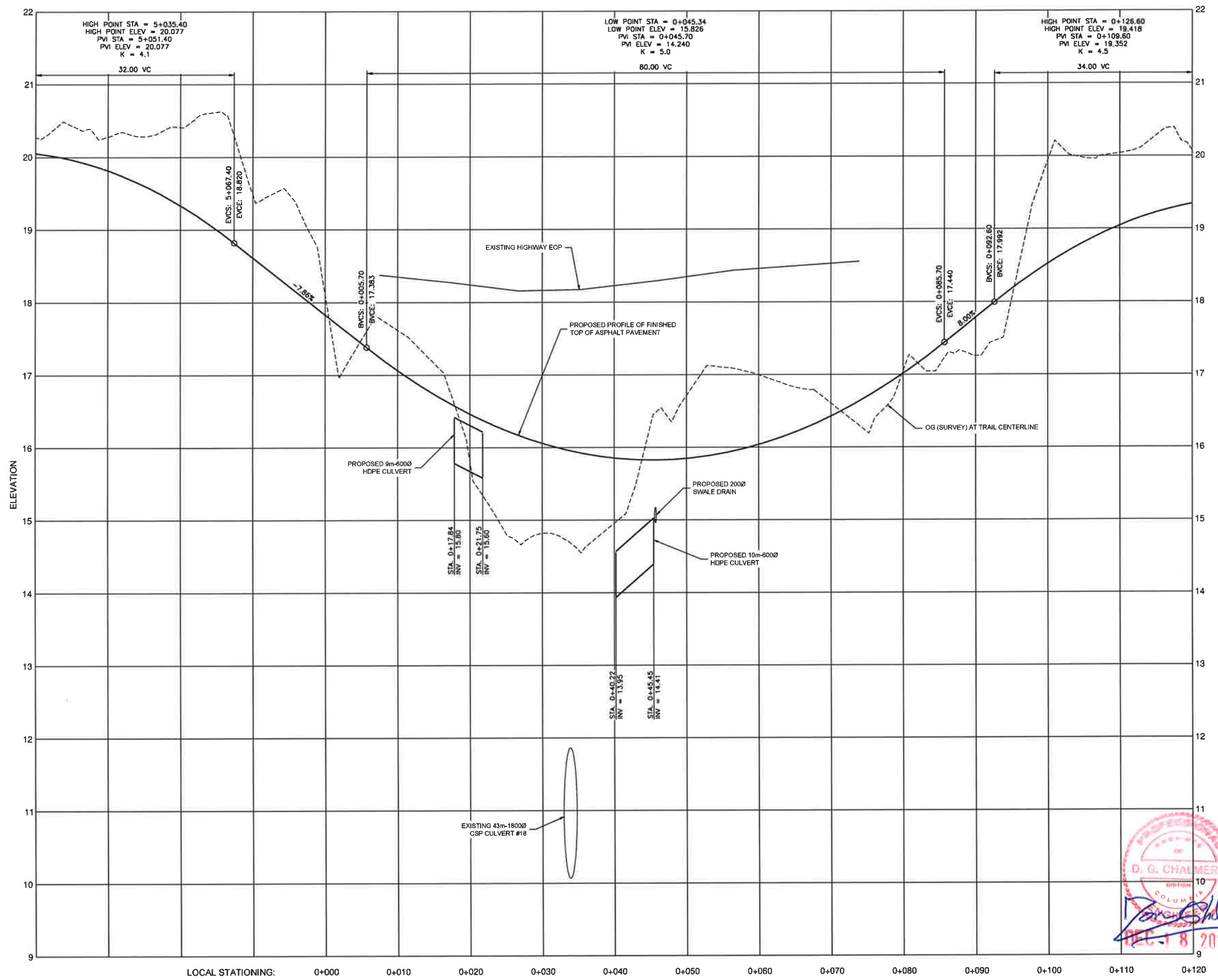


PLAN  
1:250



EXISTING		PROPOSED	
—	EDGE OF PAVEMENT	—	EDGE OF TRAIL
- - -	SHOULDER OF HIGHWAY	—	CONCRETE ROADSIDE BARRIER
—	CONCRETE ROADSIDE BARRIER	—	STEEL PIPE HANDRAIL
- - -	TOE OF SLOPE	—	RETAINING WALL
—	TOP OF BANK	- - -	TOE OF CUT/FILL
- - -	EDGE OF CREEK/DITCH	—	CENTER OF CREEK/DITCH
—	CENTER OF CREEK/DITCH	///	EXTEND OF CUT/FILL
- - -	SLOUGH	—	CLASS 10 RIPRAP
+	UTILITY POLE		

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  12. FOR DETAILS OF ROADSIDE BARRIERS AND FLARES SEE T-46 DRAWING.
  13. POSTED HIGHWAY SPEED 80 km/hr.



1	ISSUED FOR TENDER	10/12/2018
2	ISSUED FOR TENDER	10/10/2018

TOFINO  
PACIFIC RIM NATIONAL PARK RESERVE  
?apsciik fasii (Ups-cheek ta-shee)  
"Going in the right direction on the trail"

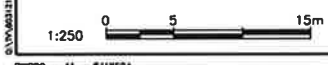
Designed by/Conçu par  
DON CHALMERS / 2018-11  
Drawn by/Dessiné par  
JACKIE TAN / 2017-02  
PCA Project Manager/Contrôleur Qualité  
Accompagnateur de Projets APC  
JACKIE HICKS



Working title/ titre de projet  
?apsciik fasii (Ups-cheek ta-shee)  
"Going in the right direction on the trail"  
TRAIL DESIGN  
SITE C - FILL SLOPE  
PROFILE

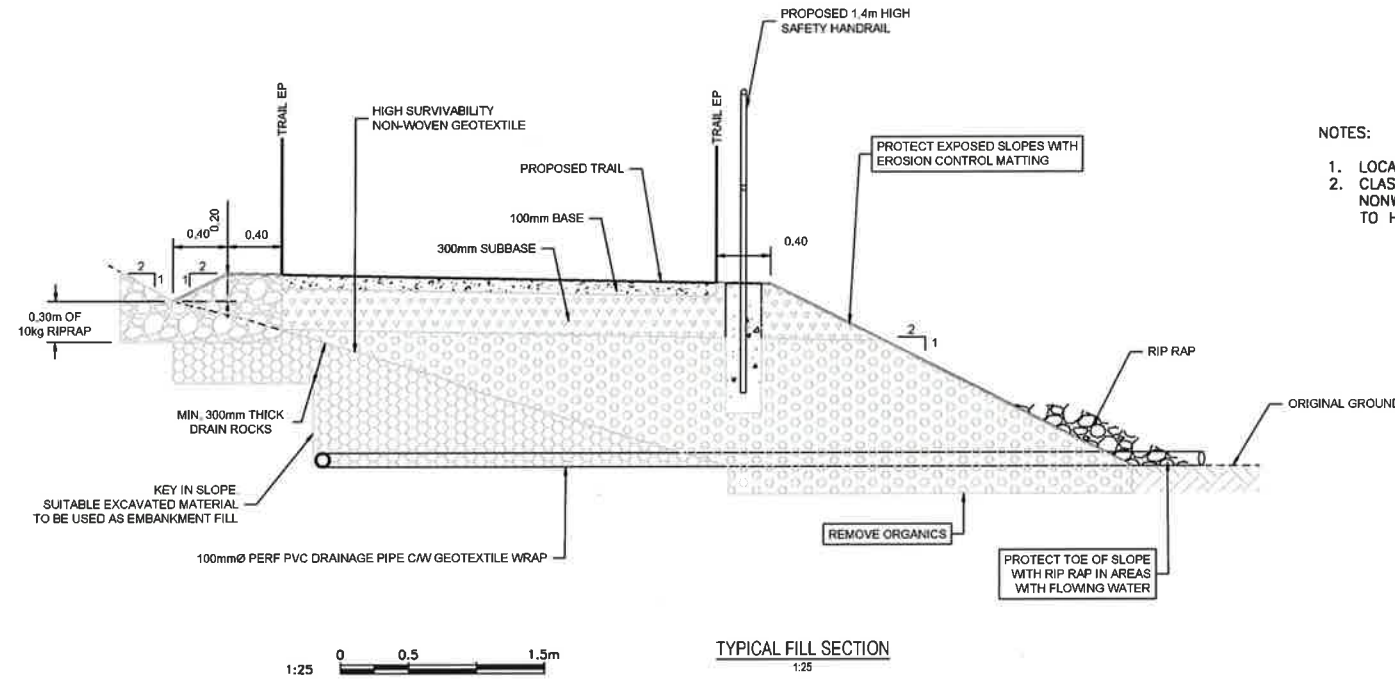
Project No./No. de projet PCA #1522	Sheet/Feuille W-3.2 of 4	Revision No./No. de Révision 1
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03/10/2018 - PWSBC 504 2018-REV0001C DRAWING: 15A100200311-PT1-SHEETS 18 - PROPOSED - FULL DRAWING PLOTTED ON 2018/12/18 12:20pm BY: PWSBC/BC



PROFILE  
1:250H & 1:25V





- NOTES:
1. LOCAL STATIONING FOR FILL SLOPE
  2. CLASS 10 kg RIPRAP 350mm THICK ON NONWOVEN GEOTEXTILE ALONG TOE OF FILL SLOPE TO HEIGHT OF HIGH WATER LINE PLUS 300mm

1:25 0 0.5 1.5m  
**TYPICAL FILL SECTION**  
1:25



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0	ISSUED FOR TENDER	10/10/2013

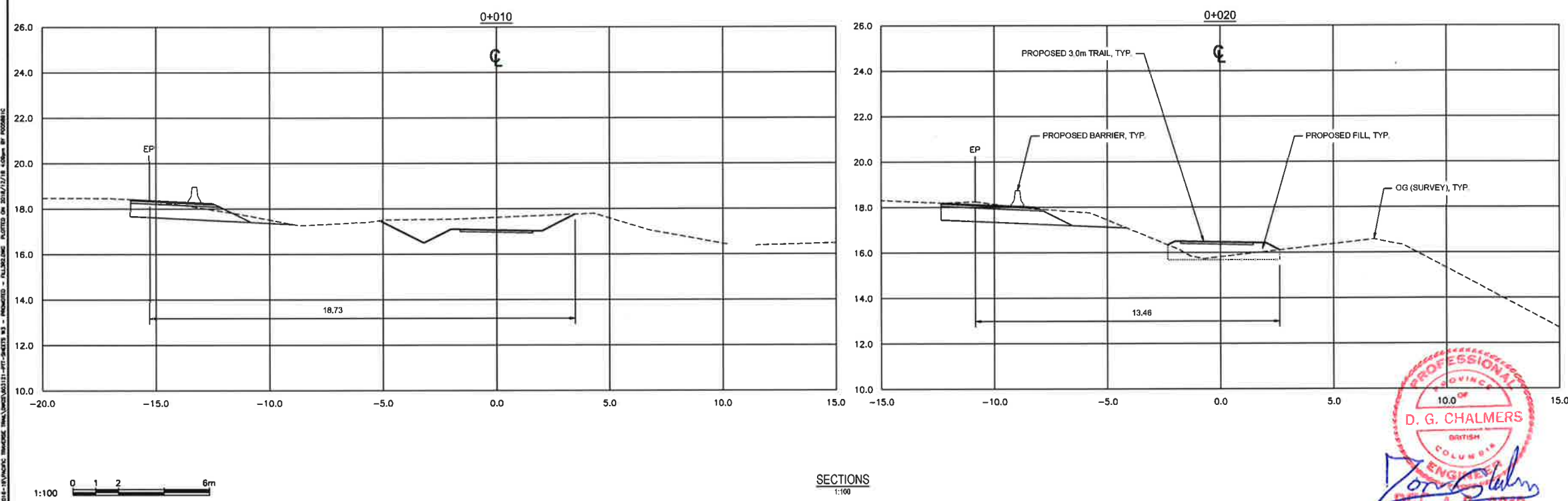
Parks Canada L'Agence Parcs  
Agency Canada  
Western and Northern Region Ouest et Nord du Canada

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

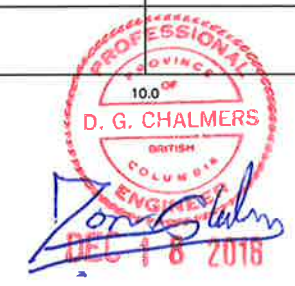
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**DON CHALMERS / 2016-11**  
Drawn by/Exécuté par  
**JACHIE TAN / 2017-02**  
PCA Project Manager/Responsable du projet  
Administration de Projets APC  
**JACHIE HICKS**

Project title/Titre du projet  
**?apscliik fasii (Ups-cheek  
ta-shee)  
"Going in the right direction on the  
trail"**  
**TRAIL DESIGN**  
SITE C - FILL SLOPE  
SECTIONS

Project No./Titre du projet <b>PCA #1522</b>	Sheet/Feuille <b>W-3.3 of 4</b>	Revision no./ Révision <b>1</b>
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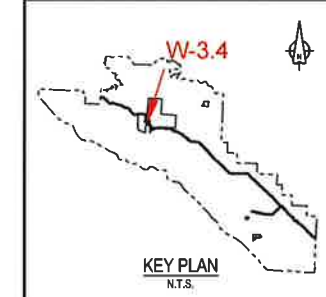


**SECTIONS**  
1:100



DRAWN BY: JACHIE TAN / 2017-02

**PARSONS**



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2	ISSUED FOR TENDER	10/10/2018
3	Example/Description	11/12/2018

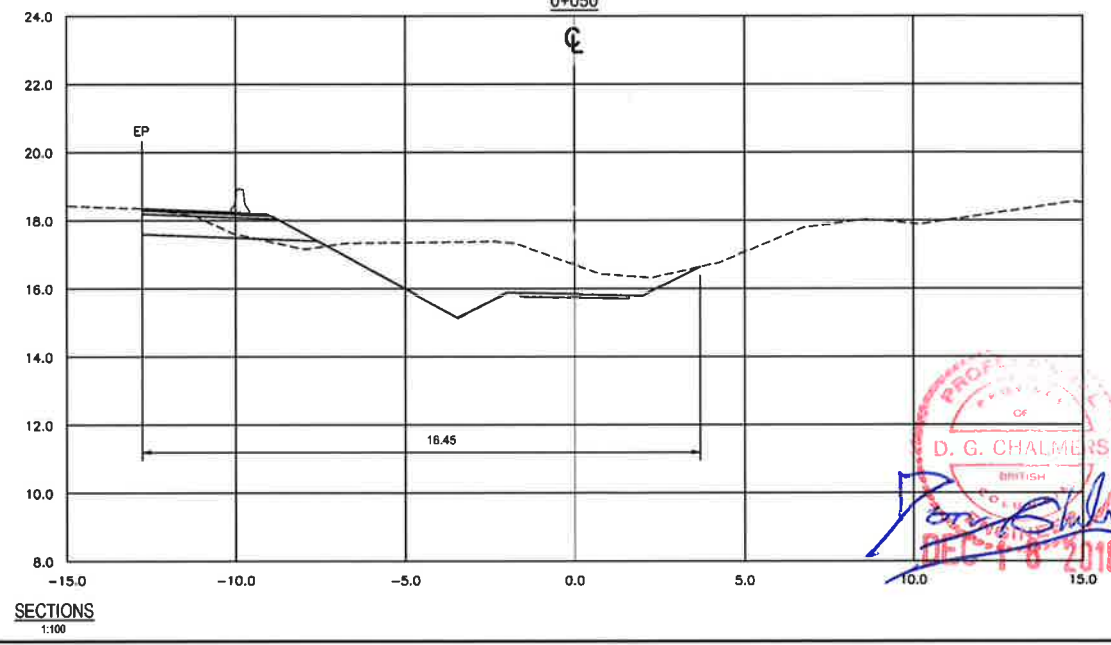
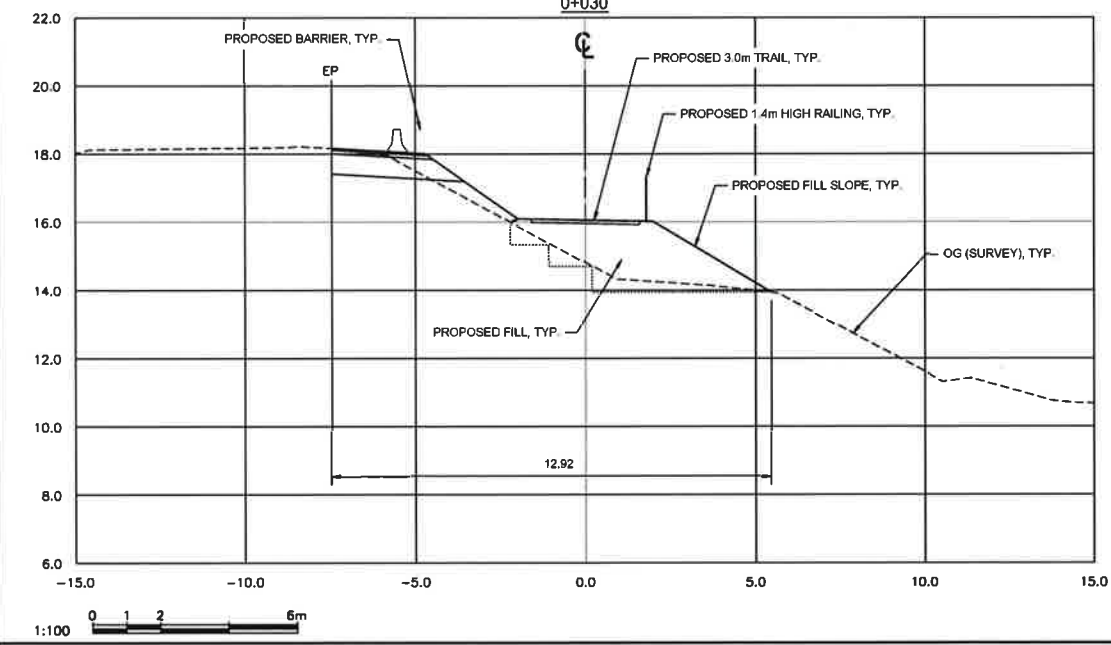
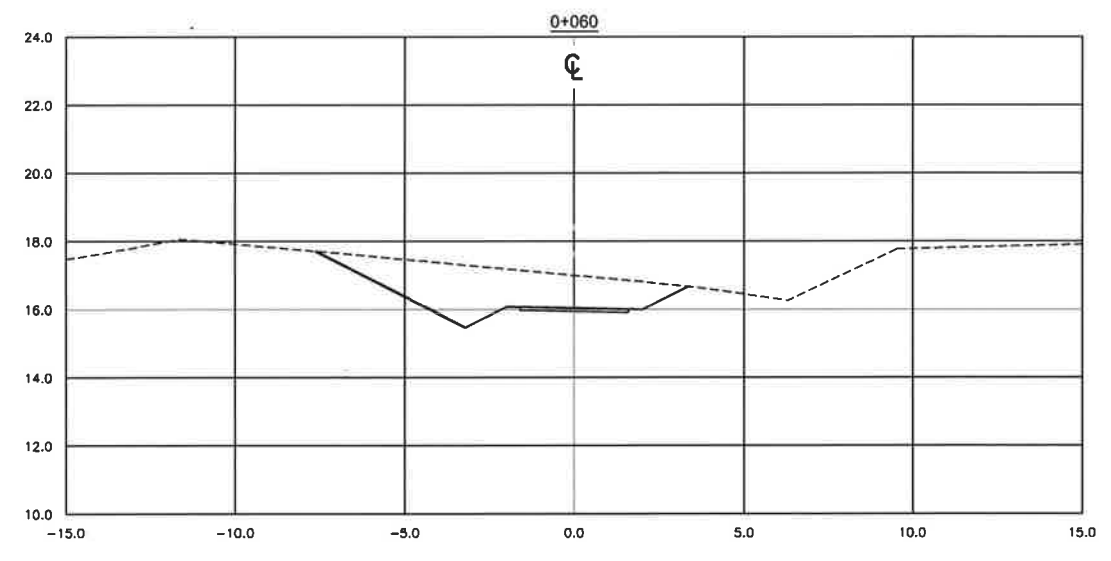
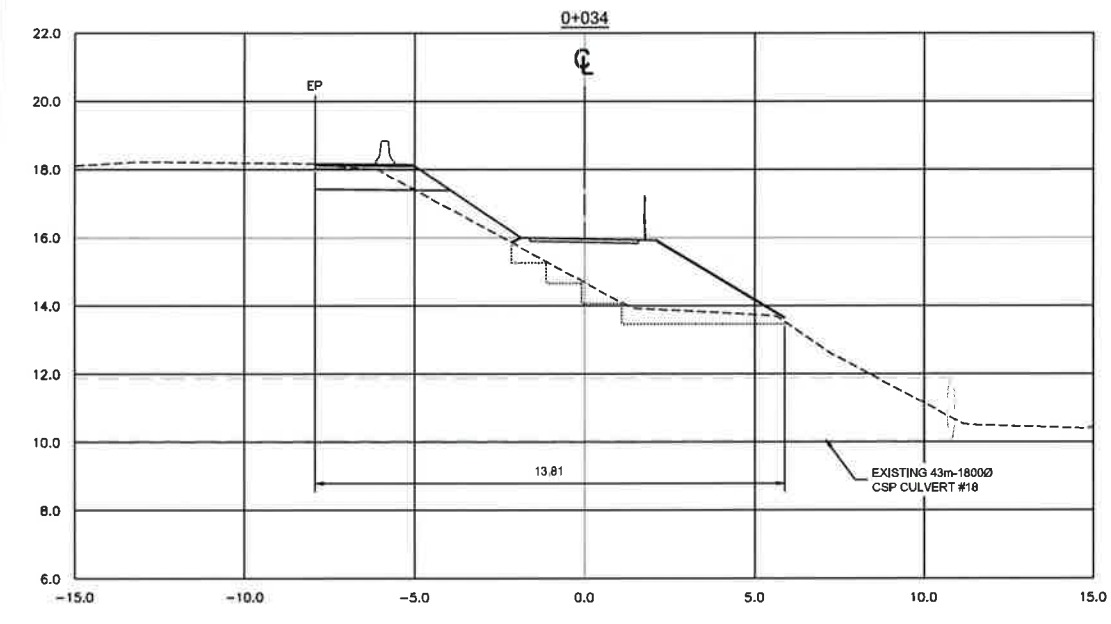
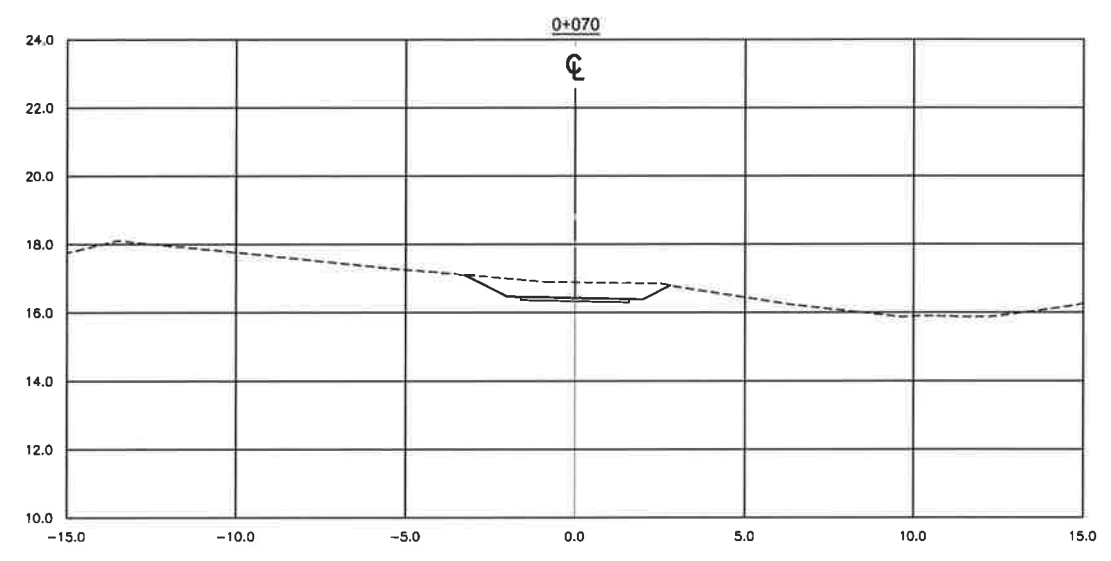
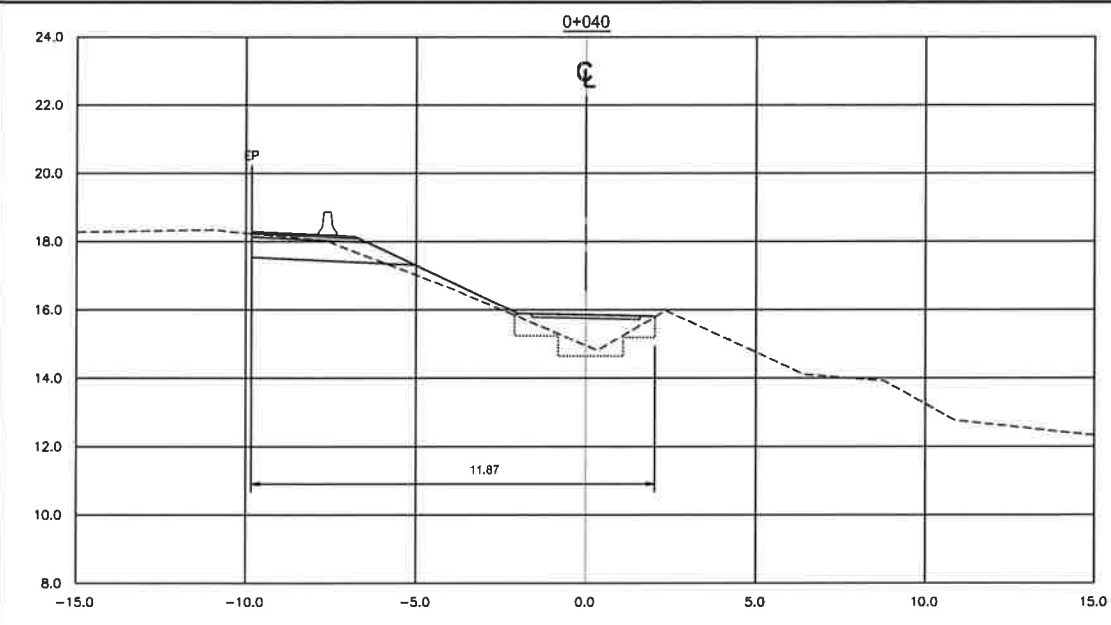
Parks Canada L'Agence Parcs  
Agency Canada  
Western and Northern Region Ouest et Nord du Canada

**TOFINO**  
**PACIFIC RIM NATIONAL PARK RESERVE**  
**ᑕᐱᓂᓴᓴᓴ ᓂᐱᓴᓴ**  
**(Ups-cheek ta-shee)**  
**"Going in the right direction on the trail"**

Designer: by/Concept par  
**DON CHALMERS / 2016-11**  
Drawn by/Designé par  
**JACKIE TAN / 2017-02**  
PCA Project Manager/Contrôleur des Projets  
**JACKIE HICKS**

ᑕᐱᓂᓴᓴ ᓂᐱᓴᓴ (Ups-cheek ta-shee)  
"Going in the right direction on the trail"  
**TRAIL DESIGN**  
SITE C - FILL SLOPE SECTIONS

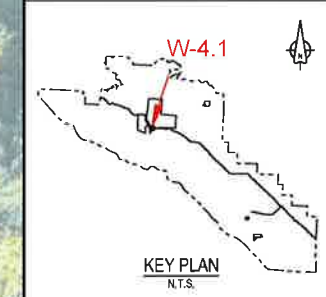
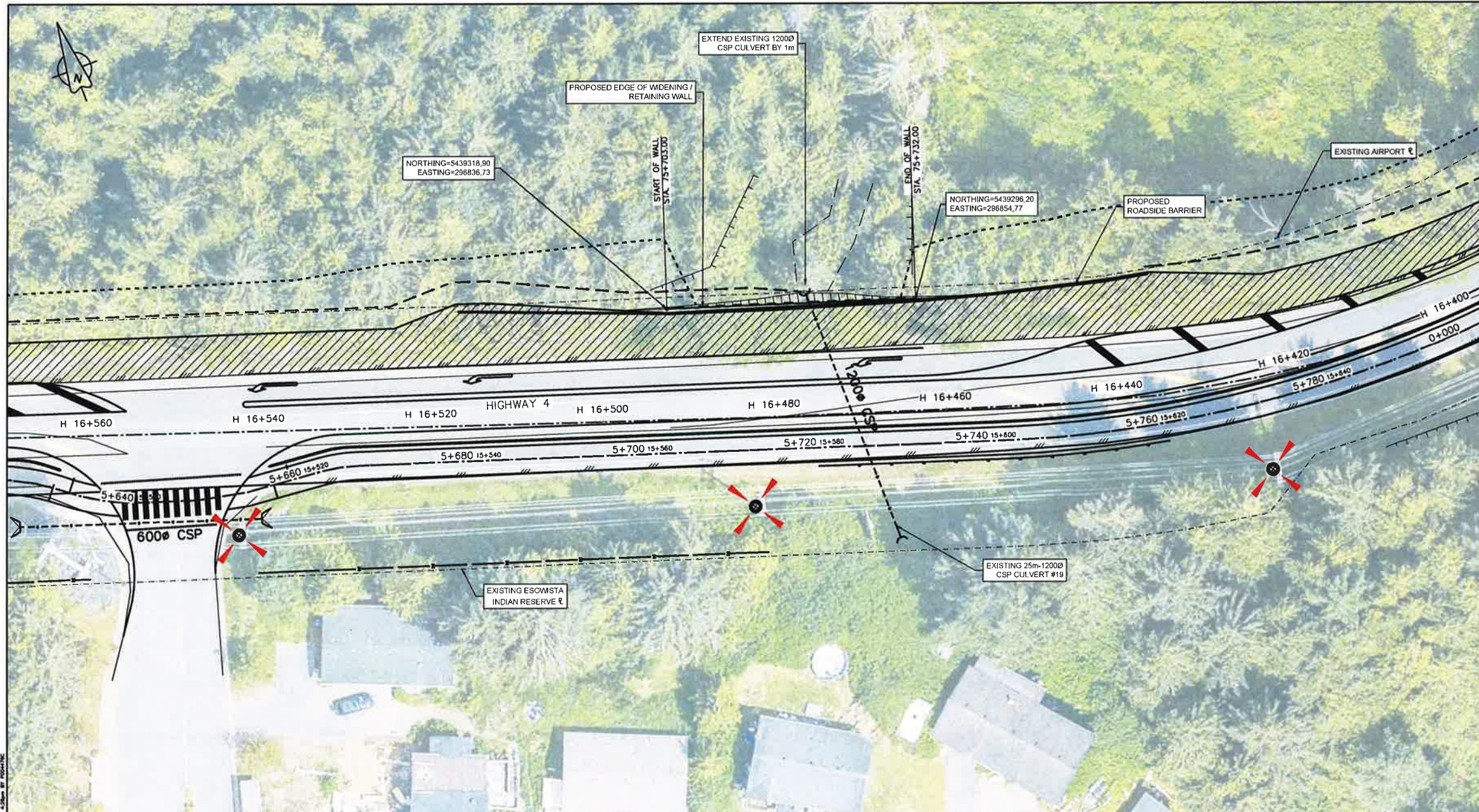
Project No./No. de projet <b>PCA #1522</b>	Sheet/Feuille <b>W-3.4</b> of 4	Revision/Revisé <b>1</b>
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**PROFESSIONAL**  
**D. G. CHALMERS**  
ARCHITECT  
**DEC 18 2018**

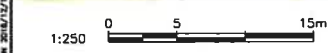
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 PLOTTED ON 2018/12/18 10:50 AM BY JHICKS

**PARSONS**



1	ISSUED FOR TENDER	08/12/2018
2	ISSUED FOR TENDER	09/11/2018
3	ISSUED FOR TENDER	09/10/2018
4	ISSUED FOR TENDER	09/10/2018

Client: Parks Canada L'Agence Parcs Canada  
Western and Northern Region Ouest et Nord du Canada



PLAN  
1:250

**LEGEND**

<b>EXISTING</b>	<b>PROPOSED</b>
— EDGE OF PAVEMENT	— EDGE OF TRAIL
- - - SHOULDER OF HIGHWAY	— CONCRETE ROADSIDE BARRIER
— CONCRETE ROADSIDE BARRIER	— STEEL PIPE HANDRAIL
- - - TOE OF SLOPE	— RETAINING WALL
— TOP OF BANK	- - - TOE OF CUT/FILL
- - - EDGE OF CREEK/DITCH	— CENTER OF CREEK/DITCH
— CENTER OF CREEK/DITCH	— EXTENT OF HIGHWAY WIDENING
— SLOUGH	— CLASS 10 RIPRAP
— UTILITY POLE	



**NOTES:**

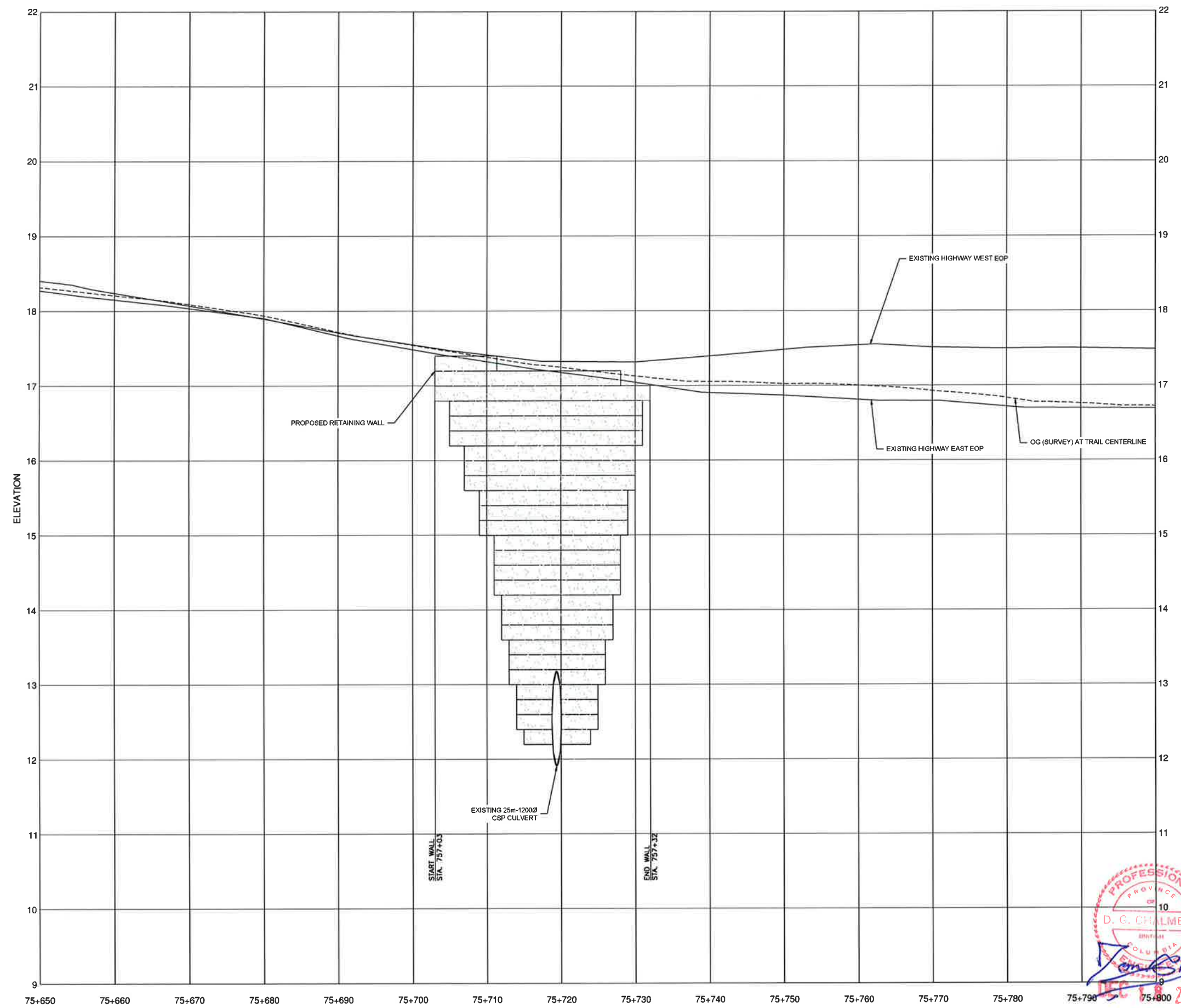
1. SURVEY DATA IS BASED UPON THE UTM NAD83 COORDINATE SYSTEM.
2. THE CONTRACTOR SHALL ADHERE TO ALL ENVIRONMENTAL REGULATIONS AS SPECIFIED IN THE CONTRACT.
3. THE FINAL TRAIL ALIGNMENT SHALL BE ESTABLISHED IN THE FIELD BY DEPARTMENTAL REPRESENTATIVE.
4. EXACT LOCATIONS AND SIZES OF RETAINING WALLS SHOWN IN PLAN TO BE CONFIRMED IN FIELD BY DEPARTMENTAL REPRESENTATIVE.
5. FOR TYPICAL TRAIL SECTIONS SEE DRAWING T-40.1 AND T-40.2.
6. FOR HAND RAILS AND ACCESS BARRIERS SEE DRAWING T-49.1 AND T-49.2.
7. THE CONTRACTOR MUST NOT LOCATE ANY EQUIPMENT, LABOUR OR MATERIALS WITHIN THE FIRST NATION RESERVE BOUNDARIES.
8. RETAINING WALLS SHALL BE ENVIROGRID OR SIMILAR APPROVED
9. PROTECT NEW SLOPES WITH EROSION CONTROL MATTING.
10. RETAINING WALL STATIONING IS INDEPENDENT OF TRAIL STATIONING.
11. FOR GEOTECHNICAL PARAMETERS REFER TO "FINAL GEOTECHNICAL SITE ASSESSMENT - PHASE 3, PACIFIC2TRAVERSE TRAIL" DATED DECEMBER 2018 BY WOOD PLC REPORT.
12. FOR DETAILS OF ROADSIDE BARRIERS AND FLARES SEE T-46 DRAWING.
13. POSTED HIGHWAY SPEED 80 km/hr.

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

Author / Auteur: Don Chalmers / 2016-11  
Drawn by / Dessiné par: Jackie Tan / 2017-02  
Scale / Échelle: As Shown / À l'échelle indiquée

Project title / Titre du projet  
**?apscilik fasili (Ups-cheek ta-shee)**  
**"Going in the right direction on the trail"**  
**TRAIL DESIGN**  
SITE D - WALL / FILL SLOPE  
PLAN (CULVERT #19)  
HIGHWAY 4 STA H16+480

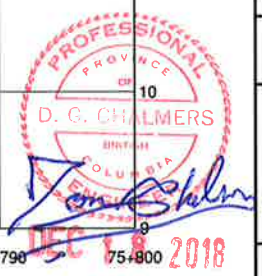
Project No. / No. du projet <b>PCA #1522</b>	Sheet / Feuille <b>W-4.1</b> of 3	Revision / Révision <b>2</b>
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1	ISSUED FOR TENDER	8/12/2016
2	ISSUED FOR TENDER	03/10/2017

Project Title/Title du projet  
**TOFINO  
 PACIFIC RIM  
 NATIONAL PARK RESERVE  
 ʔapscik fasii  
 (Ups-cheek ta-shee)  
 "Going in the right  
 direction on the trail"**

Author/Écrivain  
 DON CHALMERS / 2016-11  
 Checker/Contrôleur  
 JACQUE TAN / 2017-02  
 Project Manager/Responsable du projet  
 JACQUE HICKS



Working Title/Title de travail  
**ʔapscik fasii (Ups-cheek ta-shee)  
 "Going in the right direction on the  
 trail!"  
 TRAIL DESIGN  
 SITE D - WALL / FILL SLOPE  
 PROFILE**

Project No./No. du projet <b>PCA #1522</b>	Sheet/Feuille <b>W-4.2</b> of 3	Revision / Révision <b>1</b>
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PROFILE  
1:250H & 1:25V

E:\V\1522\1522 - PRCBC - A1 - 8413284 - PRCBC - A1 - 8413284 - WALLS BEING PLOTTED ON 2017/12/18 4:56pm BY PRCBC/NE



**PARSONS**



NO.	DESCRIPTION	DATE
1	ISSUED FOR TENDER	8/12/2018
2	REVISED	
3	REVISED	
4	REVISED	
5	REVISED	
6	REVISED	
7	REVISED	
8	REVISED	
9	REVISED	
10	REVISED	

Parks Canada L'Agence Parcs  
Agency Canada  
Western and Northern Region Quest et Nord du Canada

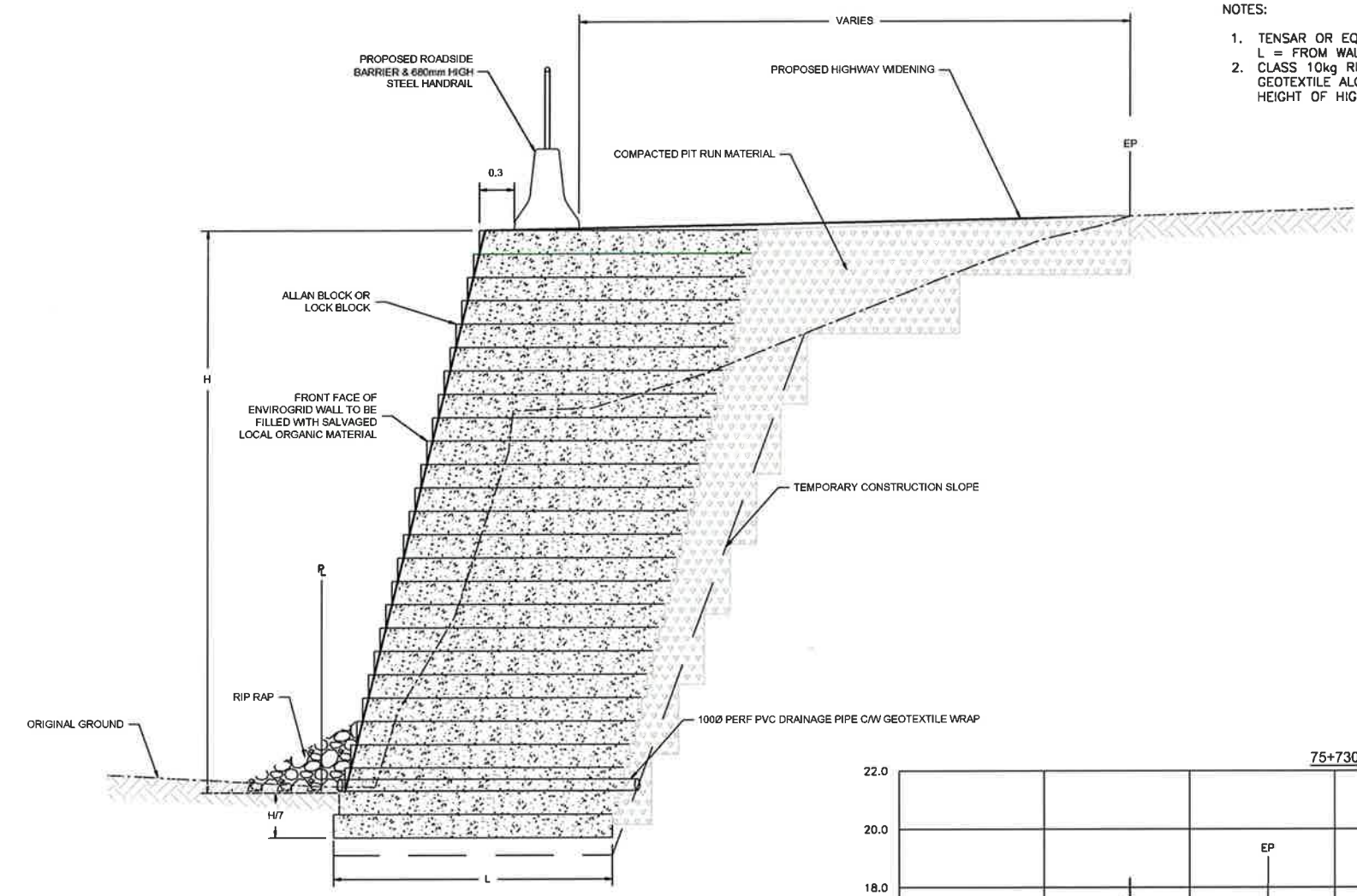
Project title/Titre du projet  
**TOFINO  
PACIFIC RIM  
NATIONAL PARK RESERVE  
?apsčlik fasłl  
(Ups-cheek ta-shee)  
"Going in the right  
direction on the trail"**

Prepared by/Préparé par  
**DON CHALMERS / 2016-11**  
Drawn by/Dessiné par  
**JACKIE TAN / 2017-02**  
P.L.P. Project Manager/Responsable du projet  
Administrateur de Projets AFC  
**JACKIE HICKS**

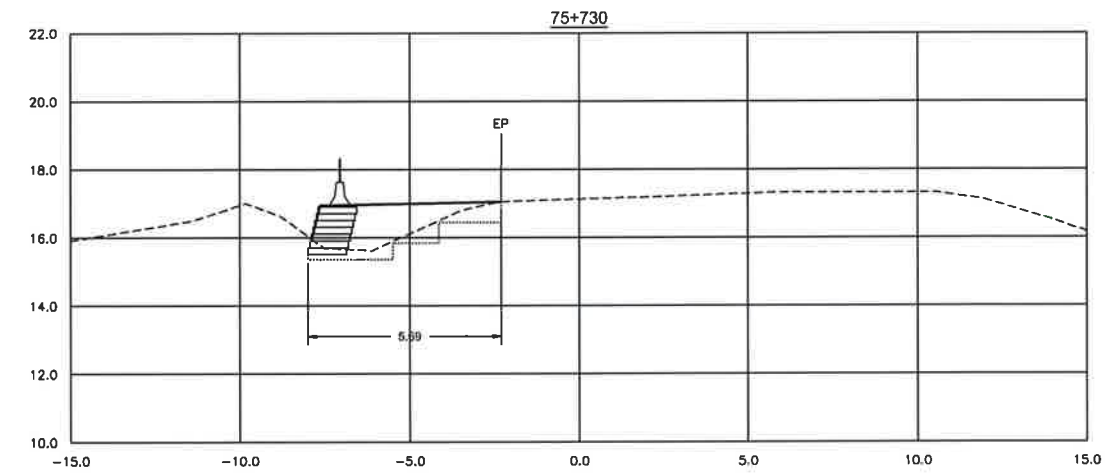
Working title/Titre de travail  
**?apsčlik fasłl (Ups-cheek ta-shee)  
"Going in the right direction on the  
trail"  
TRAIL DESIGN  
SITE D - WALL / FILL SLOPE  
SECTIONS**

Project No./No. du projet <b>PCA #1522</b>	Sheet/Feuille <b>W-4.3</b> of 3	Revision no./ No. de révision <b>0</b>
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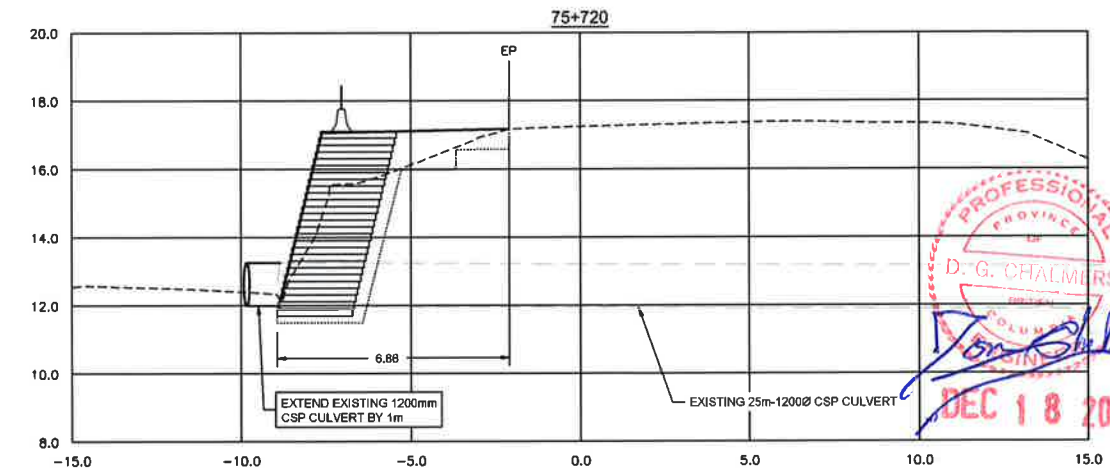
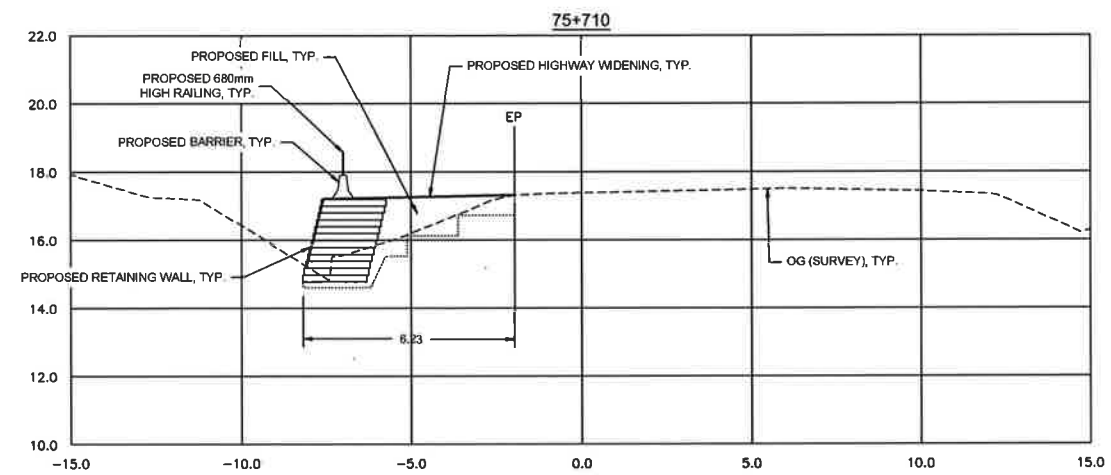
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- TENSAR OR EQUAL  
L = FROM WALL DESIGNER
  - CLASS 10kg RIPRAP 350mm THICK ON NONWOVEN  
GEOTEXTILE ALONG TOE OF RETAINING WALL TO  
HEIGHT OF HIGH WATER LINE PLUS 300mm



TYPICAL FILL SECTION  
N.T.S.



SECTIONS  
1:100

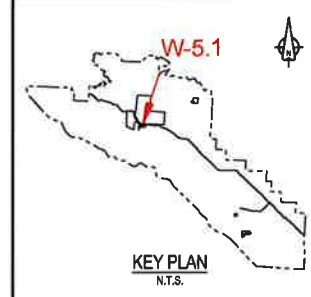
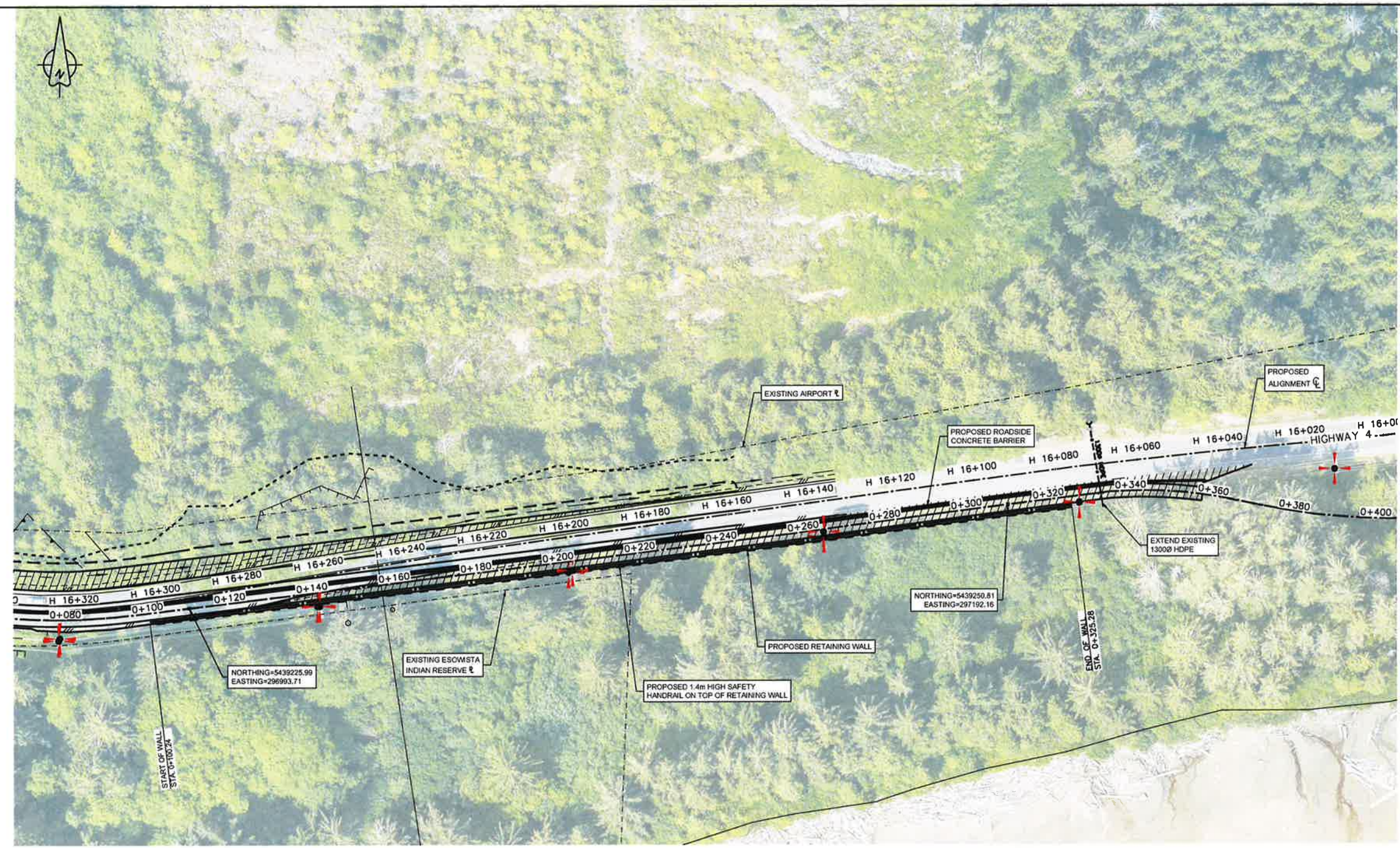


DRAWN BY: JH/2017-02-02; CHECKED BY: JH/2017-02-02; PLO: JH/2017-02-02; PROJECT MANAGER: JH/2017-02-02; SCALE: 1:100; SHEET: W-4.3 OF 3; PROJECT: PCA #1522; DATE: 2017-02-02





**PARSONS**



1	ISSUED FOR TENDER	03/11/2018
2	ISSUED FOR TENDER	03/12/2018
3	ISSUED FOR TENDER	03/11/2018
4	ISSUED FOR TENDER	03/16/2018

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

Analysed by/Concept par  
**DON CHALMERS / 2016-11**  
Drawn by/Dessiné par  
**JACKIE TAN / 2017-03**  
PCA Project Manager/Technicien Adjoint  
Accompagnateur de Projets APC  
**JACKIE HICKS**

Drawing title/Titre de la feuille  
**?apsclik fasli (Ups-cheek ta-shee)  
"Going in the right direction on the  
trail"  
TRAIL DESIGN  
SITE F - WALL / FILL SLOPE  
PLAN**

Project No./No. du projet <b>PCA #1522</b>	Sheet/Feuille <b>W-5.1</b>	Revision no./No. de révision <b>2</b>
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PLAN  
1:500

**NOTES:**

1. SURVEY DATA IS BASED UPON THE UTM NAD83 COORDINATE SYSTEM.
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12. FOR DETAILS OF ROADSIDE BARRIERS AND FLARES SEE T-46 DRAWING.
13. POSTED HIGHWAY SPEED 80 km/hr.

**LEGEND**

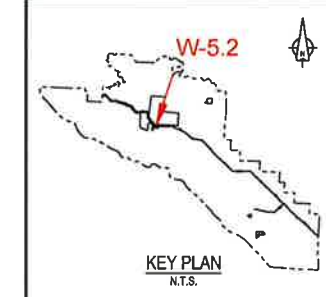
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— EDGE OF PAVEMENT	— EDGE OF TRAIL
- - - SHOULDER OF HIGHWAY	— CONCRETE ROADSIDE BARRIER
— CONCRETE ROADSIDE BARRIER	— STEEL PIPE HANDRAIL
- - - TOE OF SLOPE	— RETAINING WALL
— TOP OF BANK	- - - TOE OF CUT/FILL
— EDGE OF CREEK/DITCH	— CENTER OF CREEK/DITCH
— CENTER OF CREEK/DITCH	— EXTENT OF HIGHWAY WIDENING
— SLOUGH	— CLASS 10 RIPRAP
— UTILITY POLE	

**PROFESSIONAL  
ENGINEER  
D. G. CHALMERS  
BRITISH COLUMBIA  
DEC 18 2018**

0:\V\031311 - PRCSE 04 - 2018-10\PROJ\03 - WALLS RELENG - PLOT02.DWG - WALLS RELENG - PLOT02.DWG - 2018/12/18 4:23pm BY 10044792



PARSONS



1	ISSUED FOR TENDER	8/13/2018
2	ISSUED FOR TENDER	9/19/2018
	Drawn by/Revised by	Date/Date

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

Project title/ titre de projet  
**TOFINO  
 PACIFIC RIM NATIONAL PARK RESERVE  
 ʔapsčlik ʔasii (Ups-cheek ta-shee)  
 "Going in the right direction on the trail"**

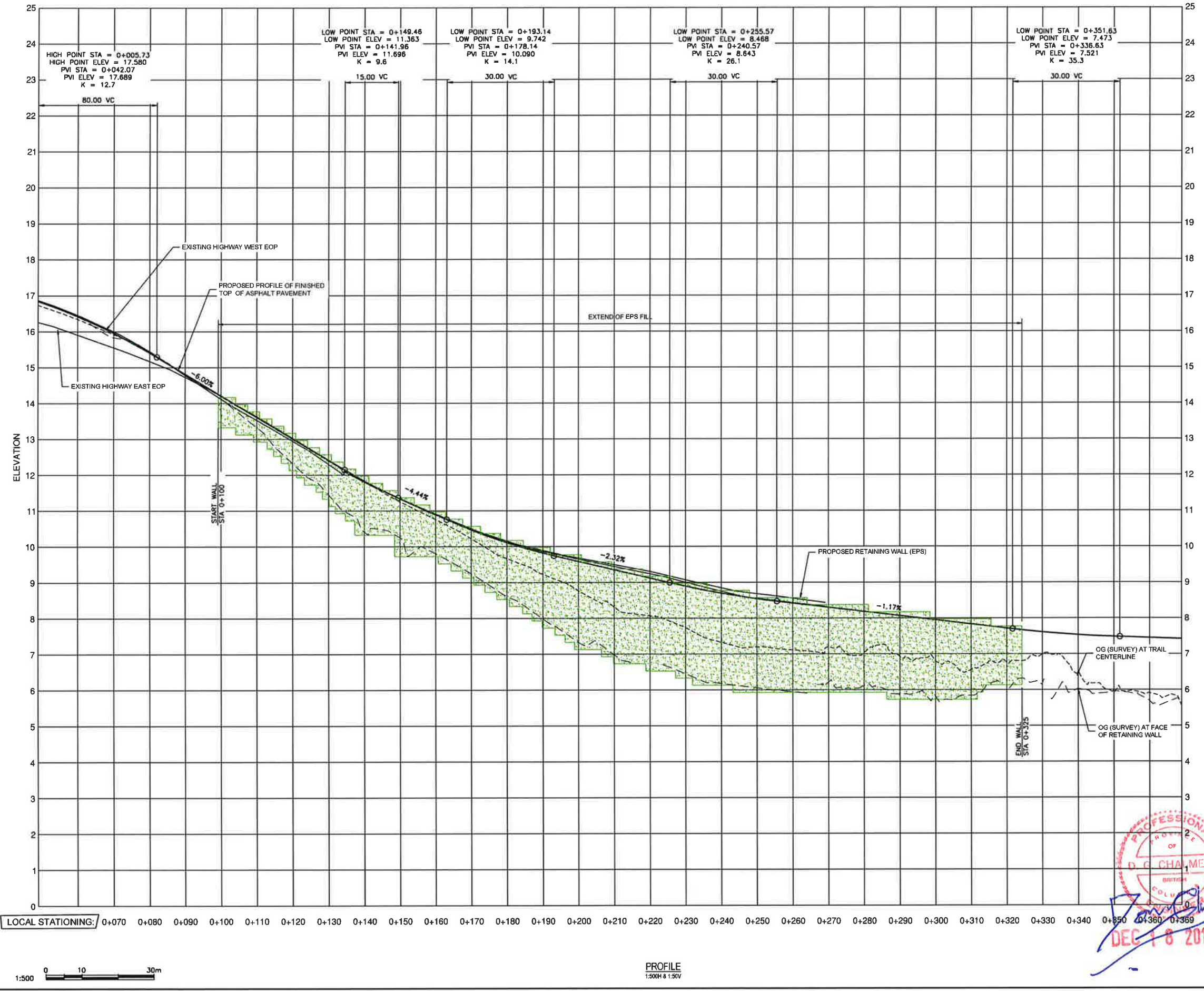
Designed by/Concept par  
**DON CHALMERS / 2016-15**

Drawn by/Dessiné par  
**JACKIE TAN / 2017-02**

PCA Project Manager/Contrôleur des Travaux  
 Administrateur de Projets APC  
**JACKIE HICKS**

Drawing title/ titre de dessin  
**ʔapsčlik ʔasii (Ups-cheek ta-shee)  
 "Going in the right direction on the trail"  
 TRAIL DESIGN  
 SITE F - WALL / FILL SLOPE  
 PROFILE**

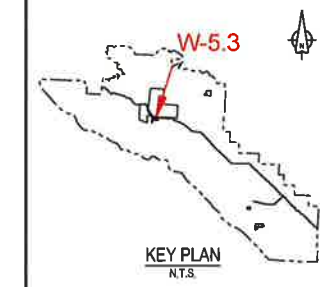
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PROFILE  
 1:500H & 1:50V

PROFESSIONAL  
 OF  
**D. G. CHALMERS**  
 BRITISH COLUMBIA  
 REGISTERED PROFESSIONAL ENGINEER  
 REG. NO. 21871  
 DEC 18 2018

**PARSONS**



1	ISSUED FOR TENDER	8/12/2018
2	ISSUED FOR TENDER	10/10/2018

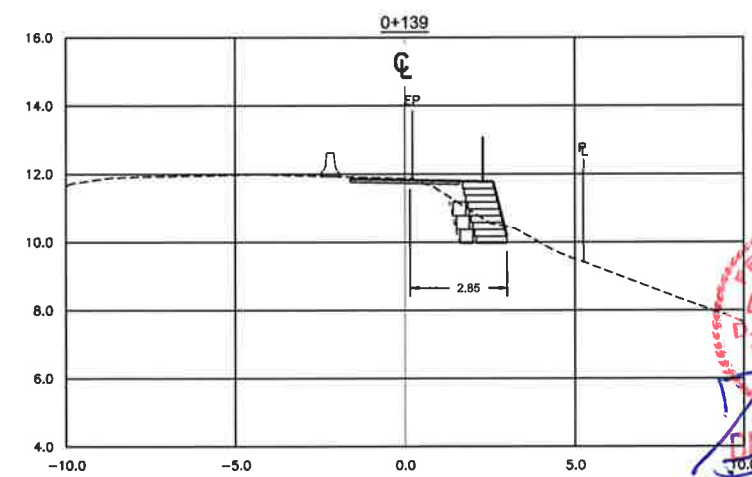
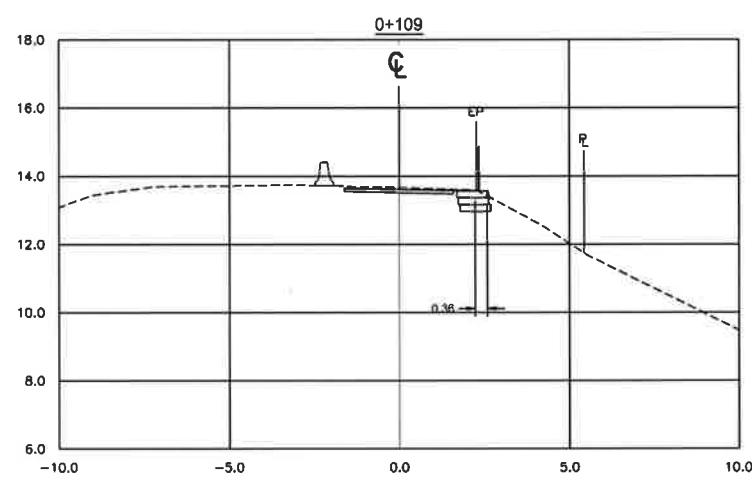
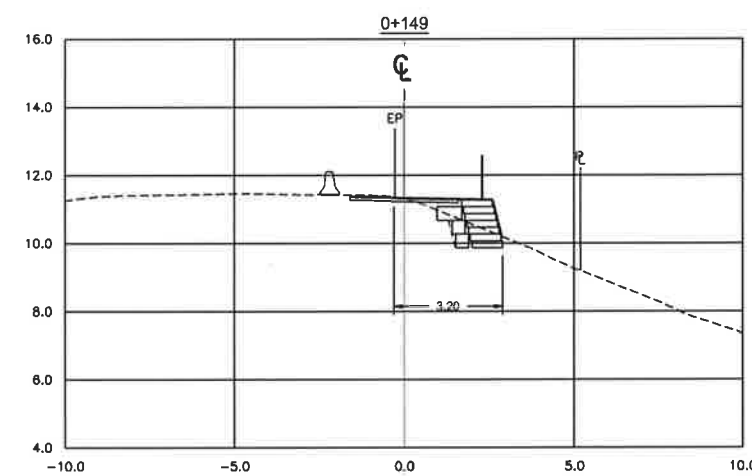
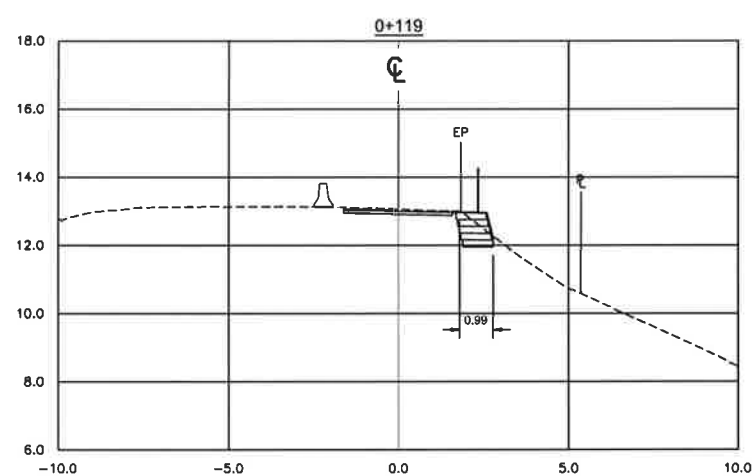
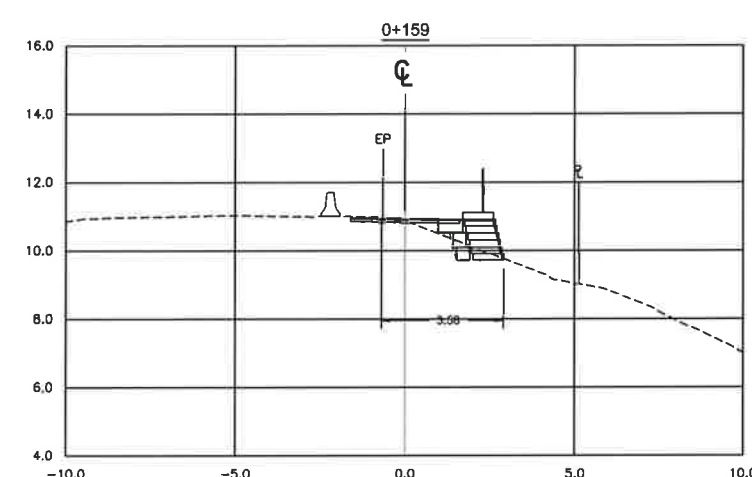
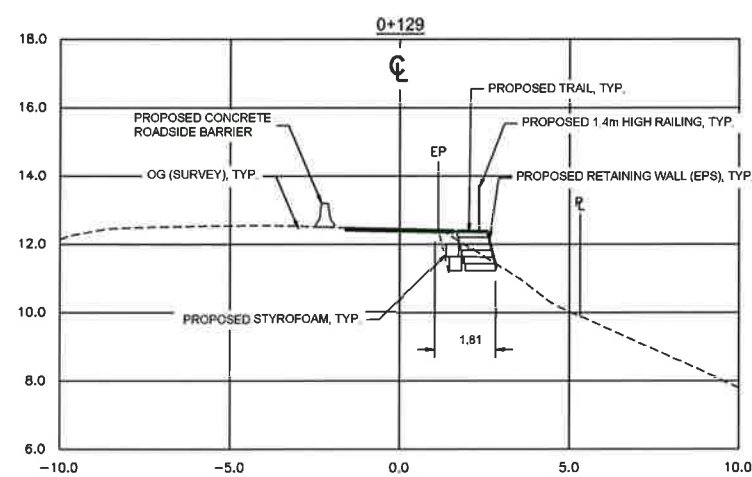
Parks Canada L'Agence Parcs  
Agency Canada  
Western and Northern Region Ouest et Nord du Canada

TOFINO  
**PACIFIC RIM NATIONAL PARK RESERVE**  
?apscilik fasili (Ups-cheek ta-shee)  
"Going in the right direction on the trail"

Designed by/Concepé par: DON CHALMERS / 2016-11  
Drawn by/Dessiné par: JACKIE TAN / 2017-02  
PCA Project Services/Services Projets: JACKIE HICKS

Trail Design  
?apscilik fasili (Ups-cheek ta-shee)  
"Going in the right direction on the trail"

Project No./No. du projet: PCA #1522	Sheet/Feuille: W-5.3 of 6	Revision/Revisé: 1
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SECTIONS  
1:100



01/14/2018 10:40:00 AM - PROJECT: PCA #1522 - PACIFIC RIM NATIONAL PARK RESERVE - TOFINO - WALLS AND BARRIERS - PLOTTED ON 2018/12/18 10:40:00 AM BY: PCHALMERS



PARSONS

**DRAFT**  
December 18, 2018



1	ISSUED FOR TENDER	11/11/2018
2	ISSUED FOR TENDER	10/10/2018

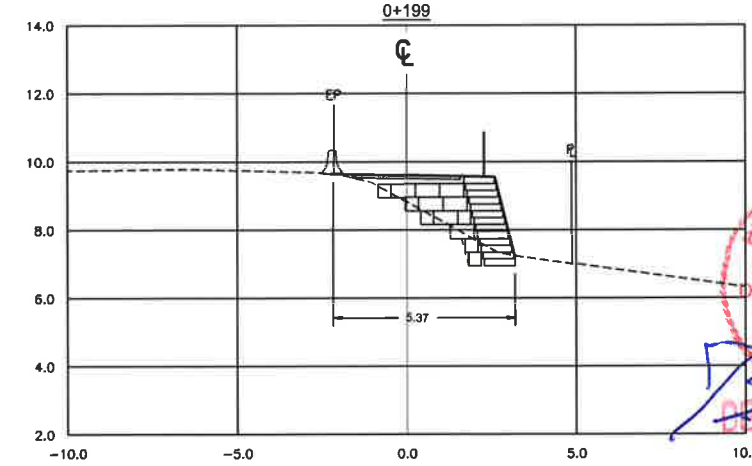
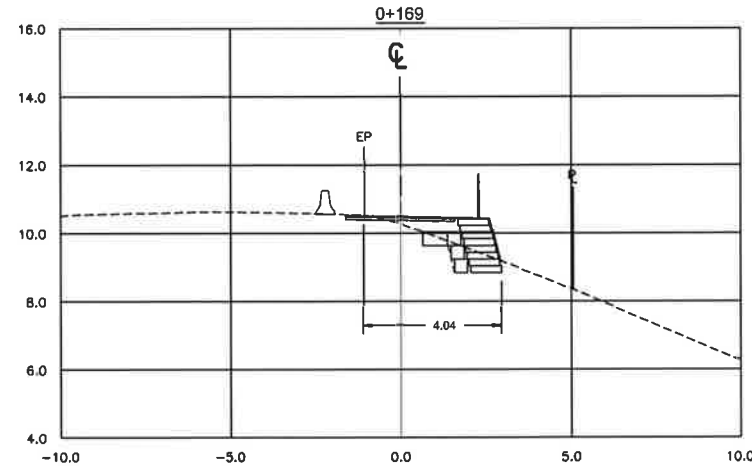
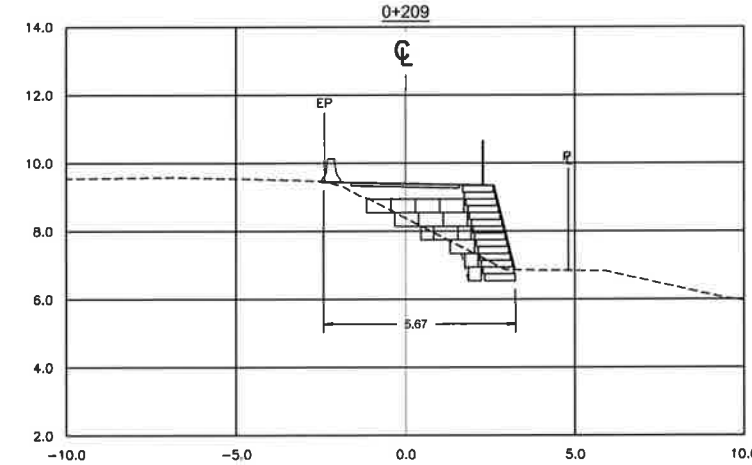
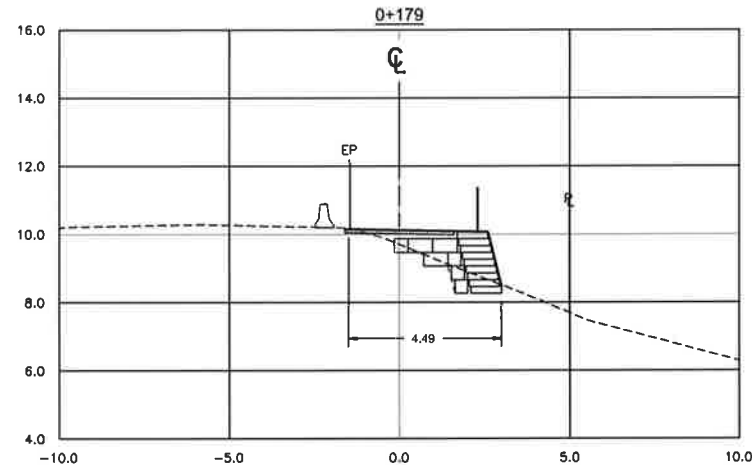
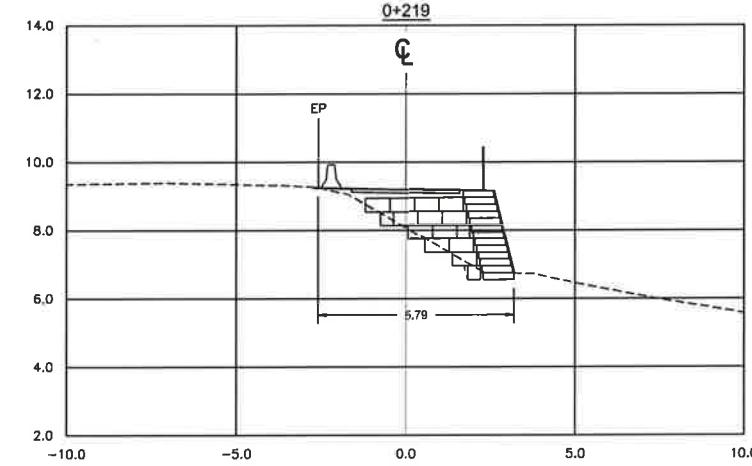
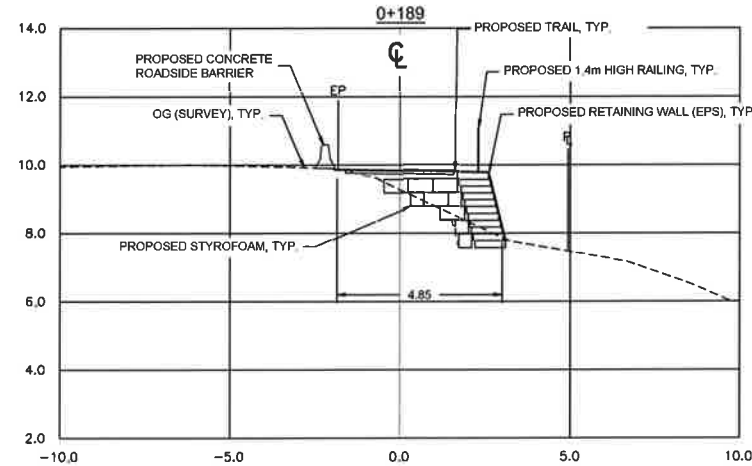
Parcs Canada L'Agence Parcs  
Agency Canada  
Western and Northern Region Ouest et Nord du Canada

Project file/titre du projet  
**TOFINO**  
**PACIFIC RIM NATIONAL PARK RESERVE**  
**ʔapsɬik fasii (Ups-cheek ta-shee)**  
**"Going in the right direction on the trail"**

Designed by/Conçu par  
**DON CHALMERS / 2016-17**  
Drawn by/Dessiné par  
**JACKIE TAN / 2017-02**  
PCA Project Manager/Coordonnateur du projet  
Acadmic/Instructeur de Projets APC  
**JACKIE HICKS**

Drawing title/titre de la coupe  
**ʔapsɬik fasii (Ups-cheek ta-shee)**  
**"Going in the right direction on the trail"**  
**TRAIL DESIGN**  
**SITE F - WALL / FILL SLOPE**  
**SECTIONS**  
**STA 0+170 TO STA 0+220**

Project No./No. du projet <b>PCA #1522</b>	Drawn/Établi <b>W-5.4</b>	Revised/ révisé <b>1</b>
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PROFESSIONAL  
ENGINEER  
DON CHALMERS  
DEC 18 2018

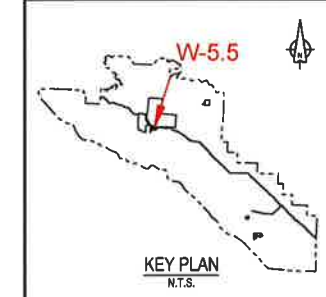


SECTIONS  
1:100

01/20/2018 11:51 AM - PROJECT - WALLS AND SLOPES - PLOTTED ON 2018/12/18 11:51 AM BY: MCHALMERS



**PARSONS**



1	ISSUED FOR TENDER	8/12/2018
0	ISSUED FOR TENDER	10/10/2018
0	Revised/Revisé	10/10/2018

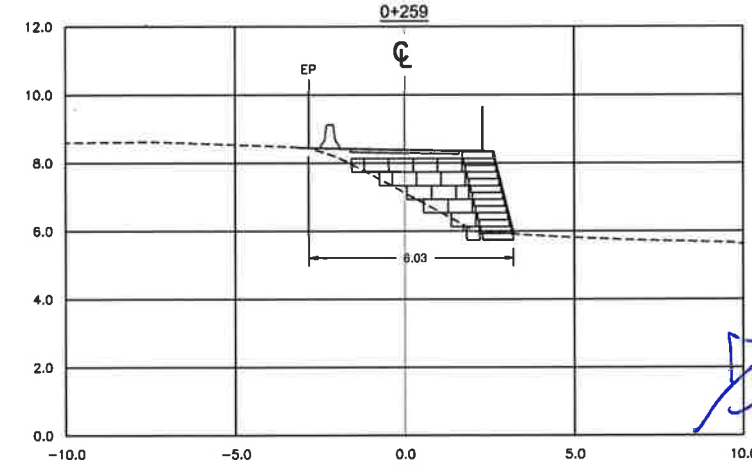
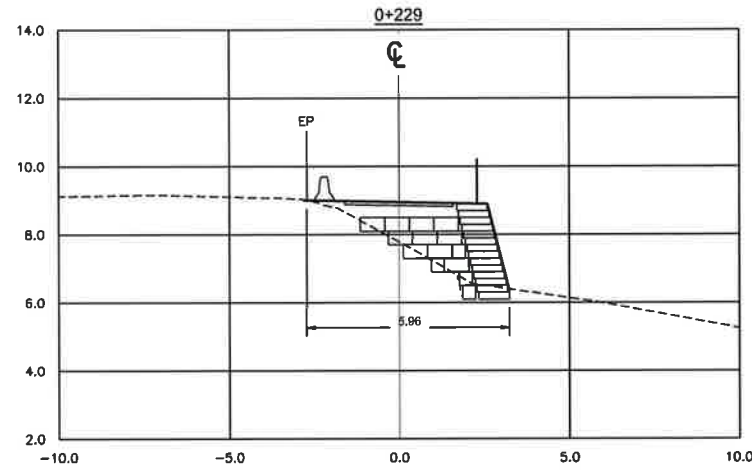
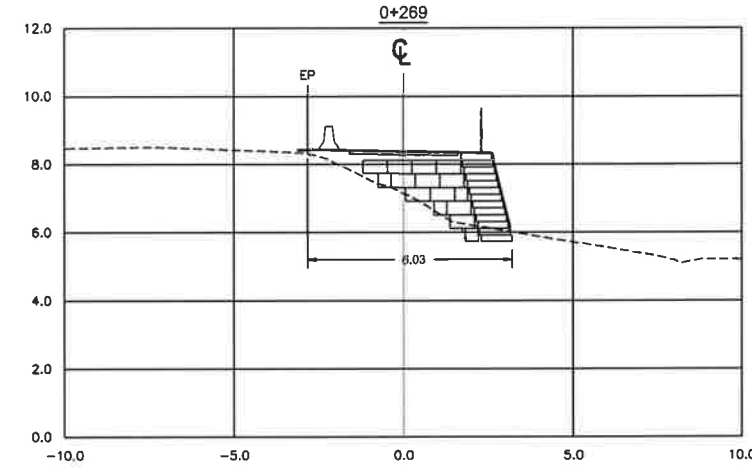
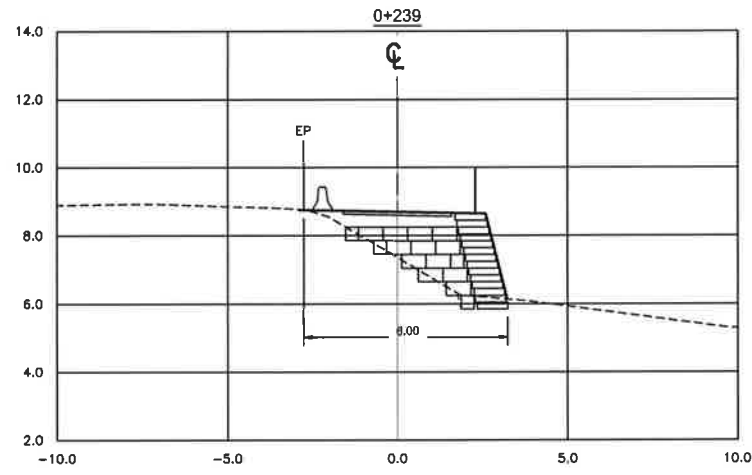
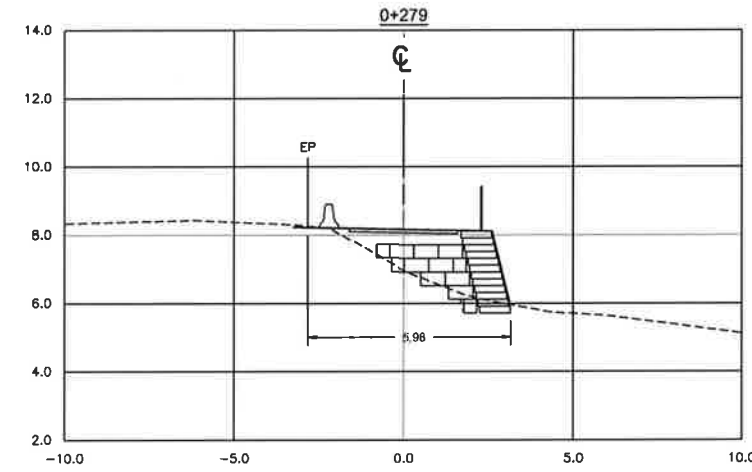
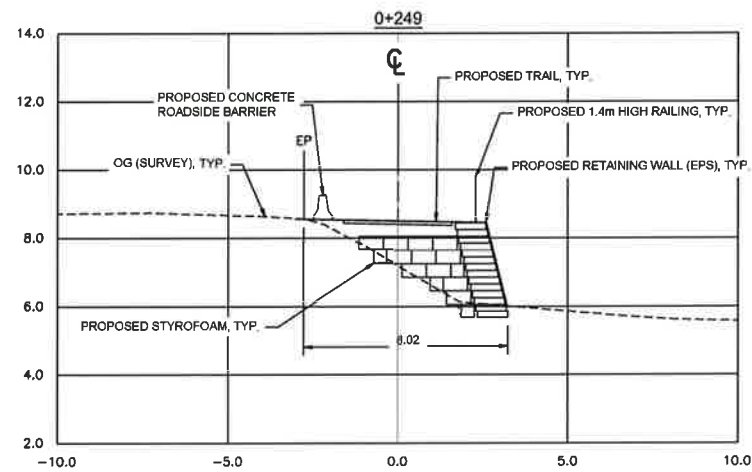
Parks Canada L'Agence Parcs  
Agency Canada  
Western and Northern Region Ouest et Nord du Canada

Project title/Intit. du projet  
**TOFINO**  
**PACIFIC RIM NATIONAL PARK RESERVE**  
**ʔapsčlik ʔasii (Ups-cheek ta-shée)**  
**"Going in the right direction on the trail"**  
Trail Design  
SITING / Localisation  
SITING / Localisation

Project No./Intit. du projet  
**PCA #1522**

Sheet/Feuille  
**W-5.5**  
of 6

Revision No./La Révision  
**1**



**PROFESSIONAL**  
**OF**  
**D. G. CHALMERS**  
**BRITISH COLUMBIA**  
**REGISTERED**  
**DEC 1 5 2018**



**SECTIONS**  
1:100

PROJECT: PCA #1522 - TOFINO NATIONAL PARK RESERVE TRAIL DESIGN - WALLS AND RAILINGS - PLOTTED ON 2018/12/18 1:08 PM BY: JH/PC



**PARSONS**



1	ISSUED FOR TENDER	10/12/2014
2	ISSUED FOR TENDER	05/11/2015
3	ISSUED FOR TENDER	05/16/2015

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

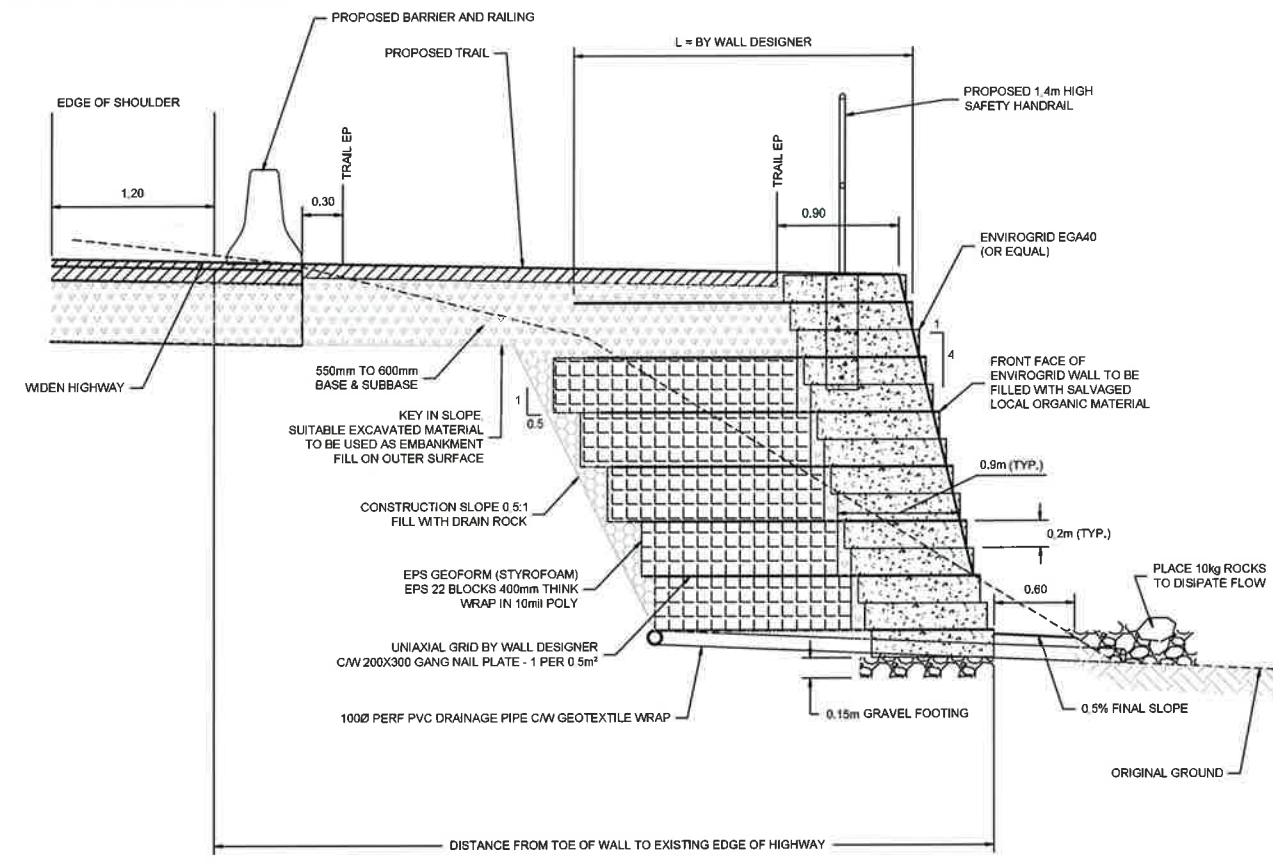
Drawn by/Concept par  
**DON CHALMERS / 2016-11**  
Drawn by/Élaboré par  
**JACKIE TAN / 2017-02**  
PCA Project Manager/Concepteur principal  
Architectural co-Projector AEC  
**JACKIE HICKS**

Drawing title / Titre du dessin  
**?apsčlik fašil (Ups-cheek ta-shee)  
"Going in the right direction on the  
trail"**  
**TRAIL DESIGN**  
SITE F - WALL / FILL SLOPE  
SECTIONS  
STA 0+280 TO STA 0+320

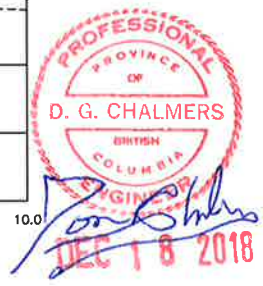
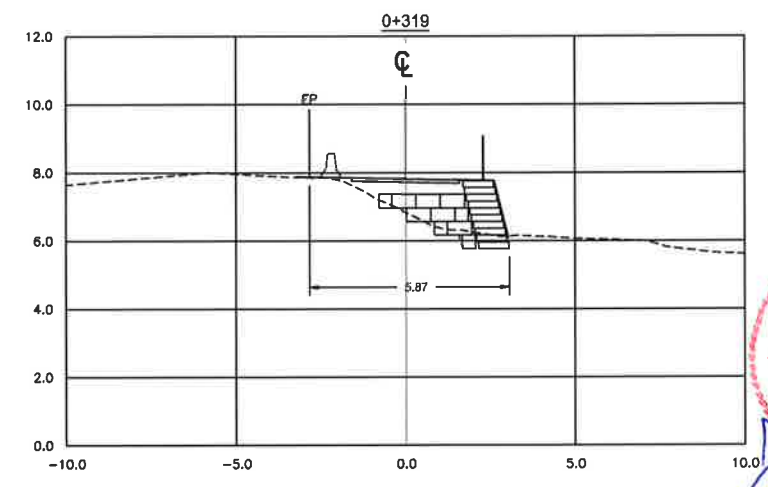
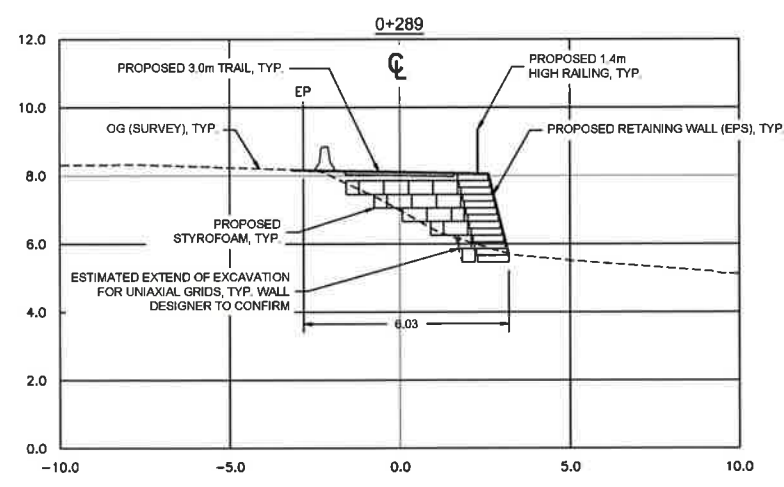
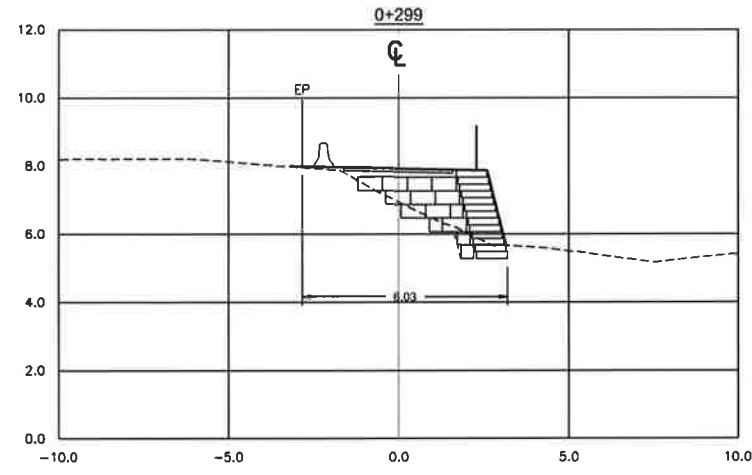
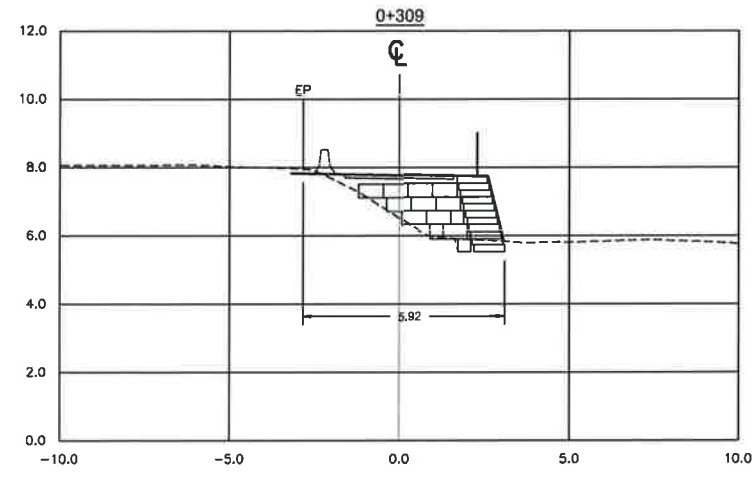
Project No./No. du projet <b>PCA #1522</b>	Drawn/Élaboré par <b>W-5.6</b>	Revised/Évalué par <b>2</b>
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**NOTES:**

1. LOCAL STATIONING FOR RETAINING WALL
2. CLASS 10kg RIPRAP 350mm THICK ON NONWOVEN GEOTEXTILE ALONG TOE OF RETAINING WALL TO HEIGHT OF HIGH WATER LINE PLUS 300mm



TYPICAL WALL (EPS) SECTION  
1:25

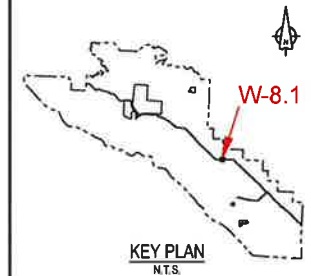


SECTIONS  
1:100



DRAWN BY: JACQUELINE TAN, PROJECT MANAGER, PROJECT NO. 1522, PROJECT TITLE: TOFINO PACIFIC RIM NATIONAL PARK RESERVE, PROJECT LOCATION: TOFINO, BC, PROJECT DATE: 2016-11-11, PROJECT STATUS: ISSUED FOR TENDER, PROJECT SHEET NO.: W-5.6, PROJECT SHEET TOTAL: 6, PROJECT SHEET ORDER: 5, PROJECT SHEET SCALE: 1:100, PROJECT SHEET DATE: 2016-11-11, PROJECT SHEET BY: DON CHALMERS

**PARSONS**



1	ISSUED FOR TENDER	16/11/2017
2	ISSUED FOR TENDER	30/11/2017
3	ISSUED FOR TENDER	30/11/2017
4	ISSUED FOR TENDER	30/11/2017

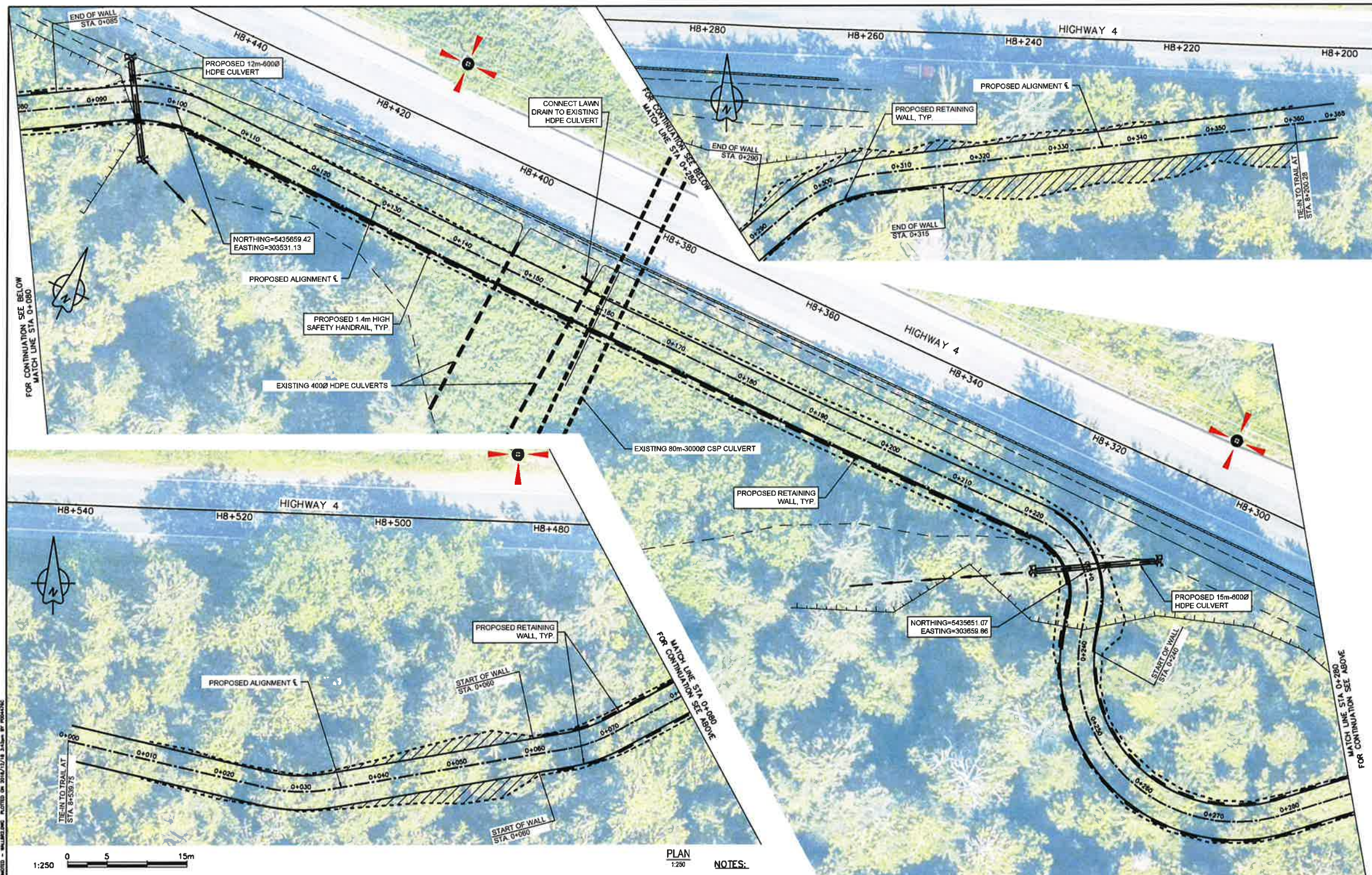
Parks Canada L'Agence Parcs  
Agency Canada  
Western and Northern Region Ouest et Nord du Canada

Project File/Title et projet  
**TOFINO  
PACIFIC RIM  
NATIONAL PARK RESERVE  
?apsclik tasli  
(Ups-cheek ta-shee)  
"Going in the right  
direction on the trail"**

Designer: Ray/Concept pcc  
**DON CHALMERS / 2016-15**  
Drawn by/Designé par  
**JACKIE TAN / 2017-02**  
PCA Project Manager/Technicien Projets  
Administration de Projets APC  
**JACKIE HICKS**

Drawing title/Title et projet  
**?apsclik tasli (Ups-cheek ta-shee)  
"Going in the right direction on the  
trail"  
TRAIL DESIGN**

SITE 1 - WALL / FILL SLOPE  
PLAN  
HIGHWAY 4 STA HB+360  
Project No./No. de projet  
**PCA #1522**  
Sheet/Feuille  
**W-8.1**  
Revision No./  
Loi Révision  
**2**



1:250 PLAN 1:250

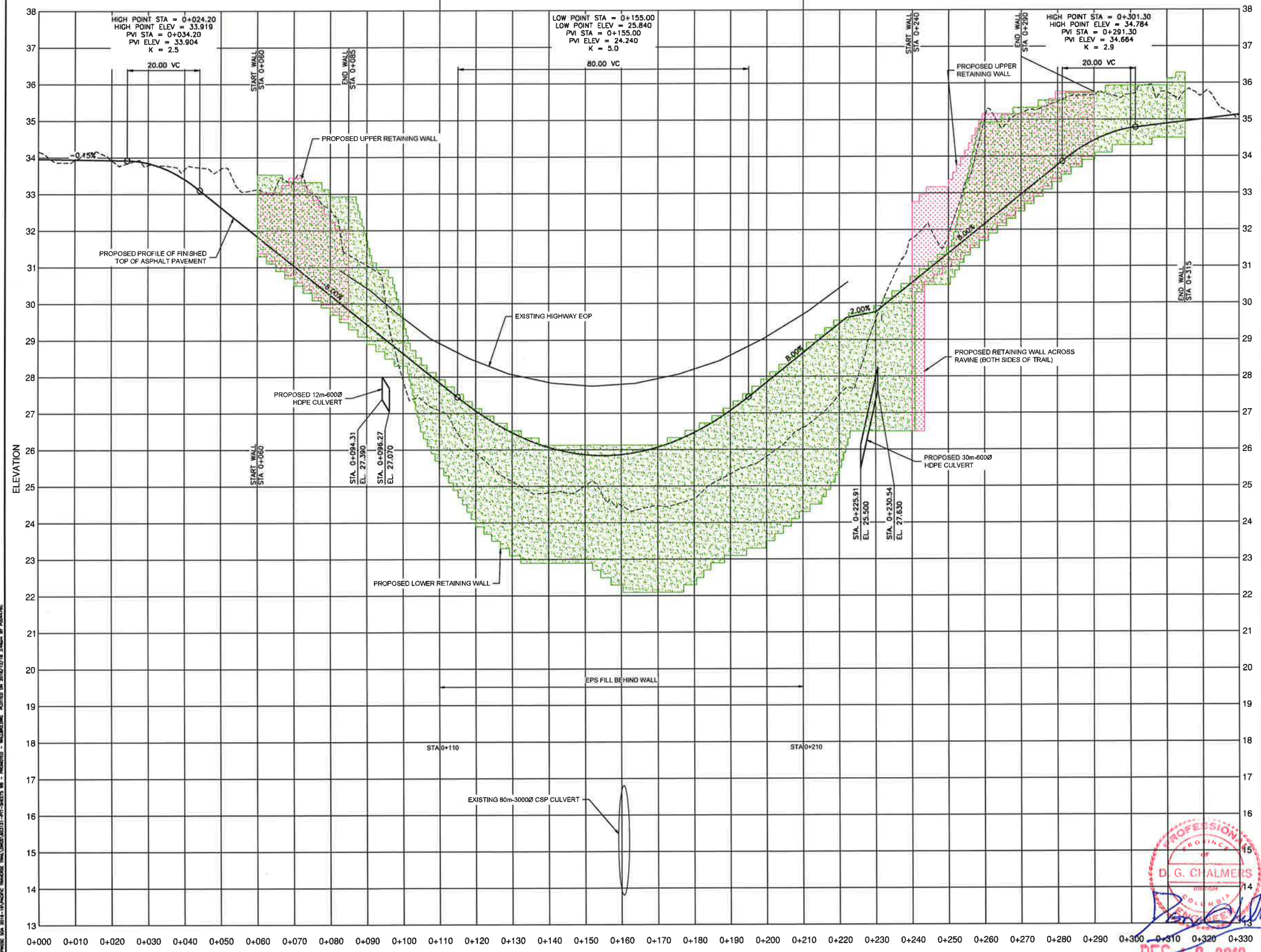
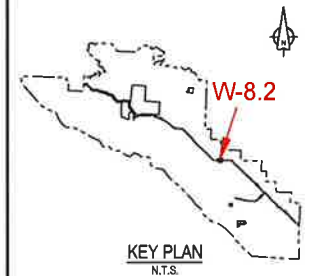
**LEGEND**

EXISTING	PROPOSED
EDGE OF PAVEMENT	EDGE OF TRAIL
SHOULDER OF HIGHWAY	CONCRETE ROADSIDE BARRIER
CONCRETE ROADSIDE BARRIER	STEEL PIPE HANDRAIL
TOE OF SLOPE	RETAINING WALL
TOP OF BANK	TOE OF CUT/FILL
EDGE OF CREEK/DITCH	CENTER OF CREEK/DITCH
CENTER OF CREEK/DITCH	EXTEND OF CUT/FILL
SLOUGH	CLASS 10 RIPRAP
UTILITY POLE	

- NOTES:**
1. SURVEY DATA IS BASED UPON THE UTM NAD83 COORDINATE SYSTEM.
  2. THE CONTRACTOR SHALL ADHERE TO ALL ENVIRONMENTAL REGULATIONS AS SPECIFIED IN THE CONTRACT.
  3. THE FINAL TRAIL ALIGNMENT SHALL BE ESTABLISHED IN THE FIELD BY DEPARTMENTAL REPRESENTATIVE.
  4. EXACT LOCATIONS AND SIZES OF RETAINING WALLS SHOWN IN PLAN TO BE CONFIRMED IN FIELD BY DEPARTMENTAL REPRESENTATIVE.
  5. FOR TYPICAL TRAIL SECTIONS SEE DRAWING T-40.1 AND T-40.2.
  6. FOR HAND RAILS AND ACCESS BARRIERS SEE DRAWING T-49.1 AND T-49.2.
  7. THE CONTRACTOR MUST NOT LOCATE ANY EQUIPMENT, LABOUR OR MATERIALS WITHIN THE FIRST NATION RESERVE BOUNDARIES.
  8. RETAINING WALLS SHALL BE ENVIROGRID OR SIMILAR APPROVED
  9. PROTECT NEW SLOPES WITH EROSION CONTROL MATTING.
  10. RETAINING WALL STATIONING IS INDEPENDENT OF TRAIL STATIONING.
  11. DRAINAGE CULVERTS TO BE IN ACCORDANCE WITH DRAWING D-3 & D-5.
  12. GEOTECHNICAL DESIGN PARAMETERS INCLUDED ON DRAWING "FINAL GEOTECHNICAL SITE ASSESSMENT - PHASE 3" BY WOOD PLC REPORT DATED DECEMBER 2018.
  12. FOR DETAILS OF ROADSIDE BARRIERS AND FLARES SEE DRAWING T-46.
  13. POSTED HIGHWAY SPEED 80 km/hr.



**PARSONS**



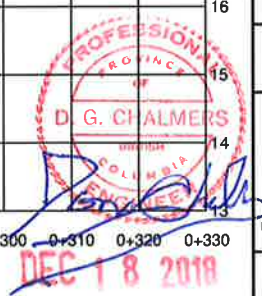
PROFILE  
1:500H & 1:50V

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2	ISSUED FOR TENDER	03/16/2017
3	ISSUED FOR TENDER	03/16/2017
4	ISSUED FOR TENDER	03/16/2017
5	ISSUED FOR TENDER	03/16/2017
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8	ISSUED FOR TENDER	03/16/2017
9	ISSUED FOR TENDER	03/16/2017
10	ISSUED FOR TENDER	03/16/2017

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

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

Designer by/Conception par  
**DOH CHALMERS / 2016-11**  
Drawn by/Dessiné par  
**JACKIE TAN / 2017-02**  
PCA Project Manager/Technicien Adjoint  
Administrateur de Projets APC  
**JACKIE HICKS**



Engineer/Ingénieur  
**?apsciik tašii (Ups-cheek ta-shie)  
"Going in the right direction on the  
trail"**  
**TRAIL DESIGN**

Project No./No. du projet  
**PCA #1522**  
Sheet/Feuille  
**W-8.2**  
Revision/Revision  
**1**  
of 7







**PARSONS**



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2	ISSUED FOR TENDER	20/10/2017

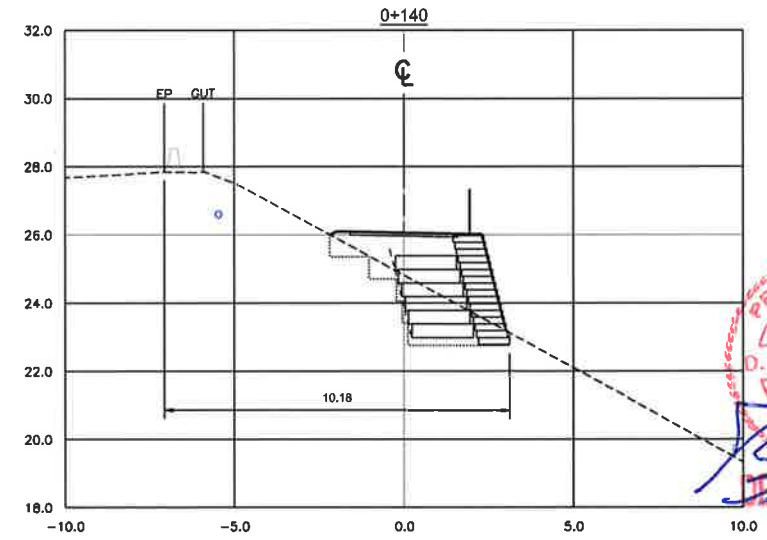
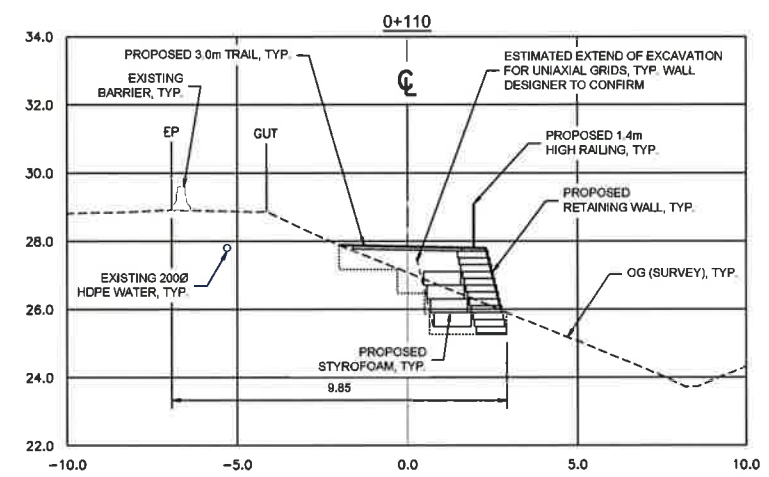
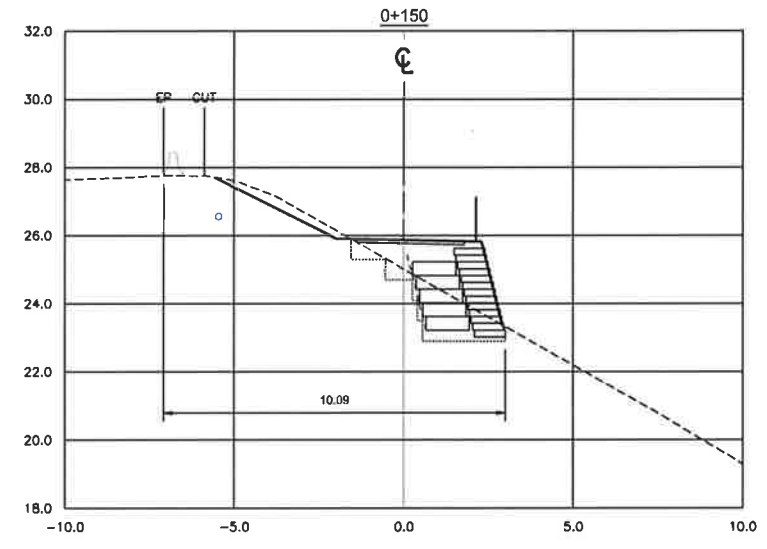
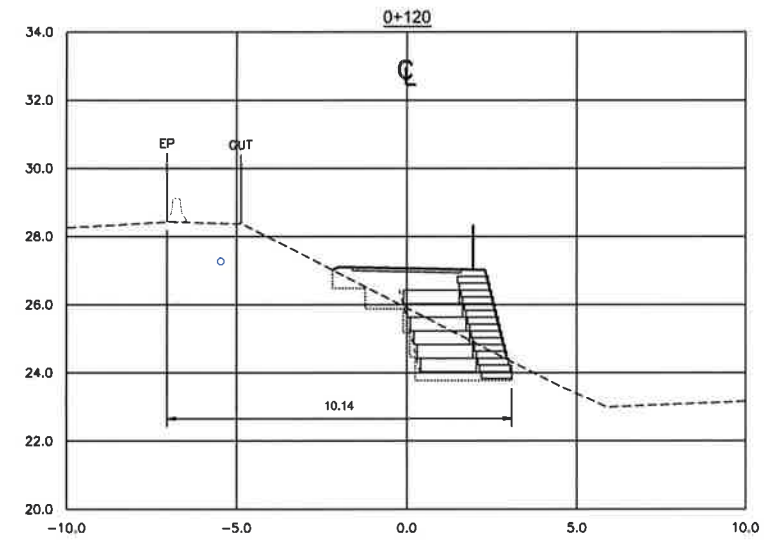
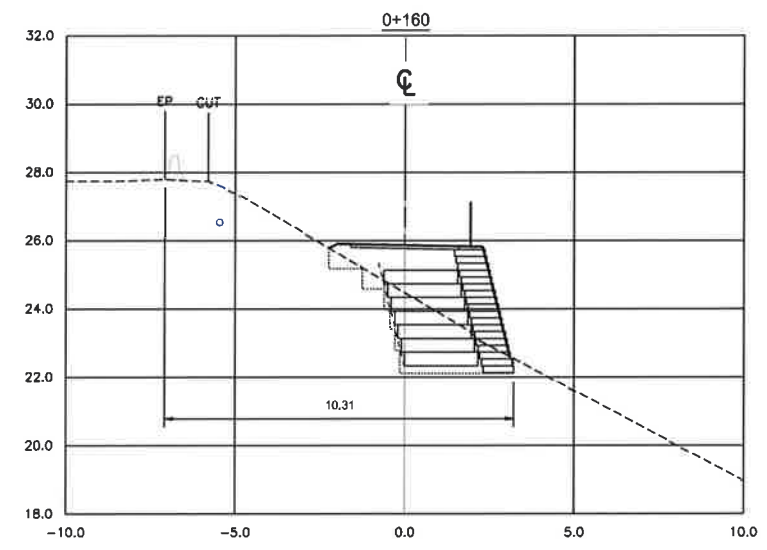
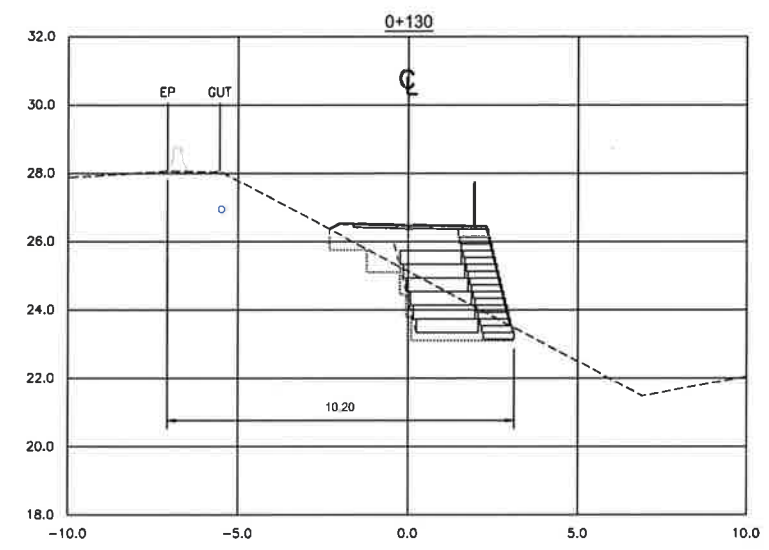
Parks Canada L'Agence Parcs  
Agency Canada  
Western and Northern Region Ouest et Nord du Canada

Project file/ titre du projet  
**TOFINO**  
**PACIFIC RIM NATIONAL PARK RESERVE**  
**?apsclik fasli (Ups-cheek ta-shee)**  
**"Going in the right direction on the trail"**

Checked by/Contrôlé par  
**DON CHALMERS / 2016-11**  
Drawn by/Dessiné par  
**JACKIE TAN / 2017-02**  
PCA Project Services/Service des Projets  
Architectural/Architecte  
**JACKIE HICKS**

Drawing title/Titre de la feuille  
**?apsclik fasli (Ups-cheek ta-shee)**  
**"Going in the right direction on the trail"**  
**TRAIL DESIGN**  
**SITE 1 - WALL / FILL SLOPE SECTIONS**

Project No./No. du projet <b>PCA #1522</b>	Sheet/Feuille <b>W-8.4</b>	Revision/ Révision <b>1</b>
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SECTIONS  
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**PARSONS**



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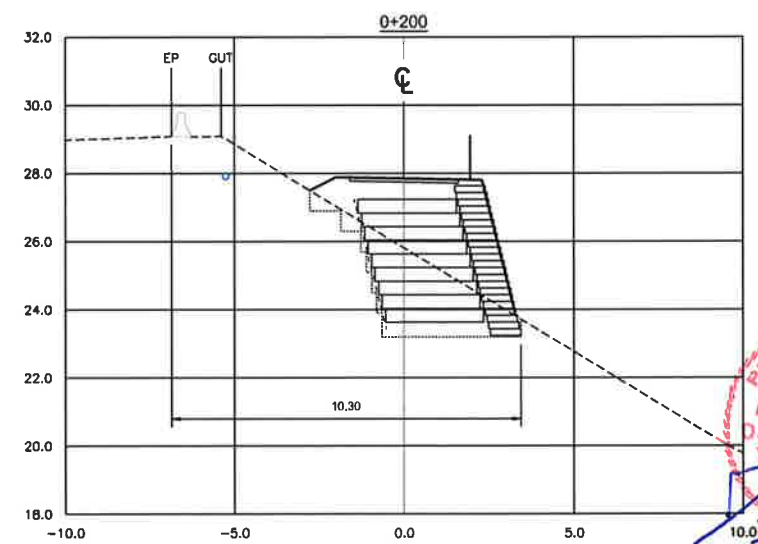
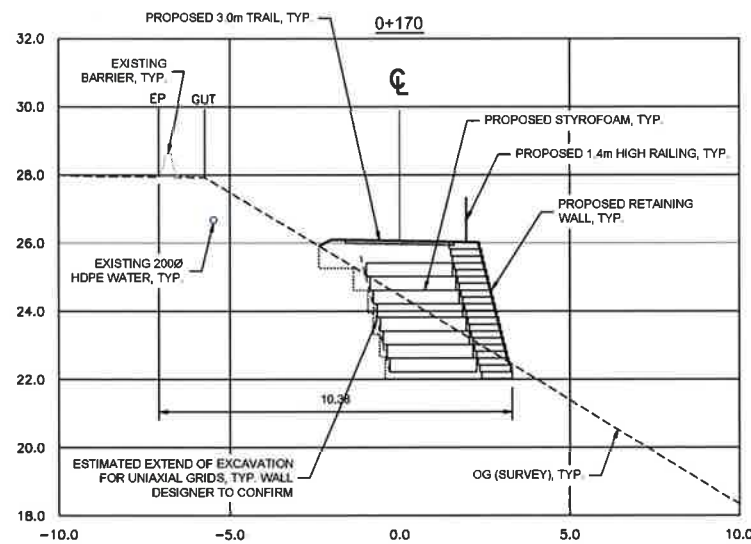
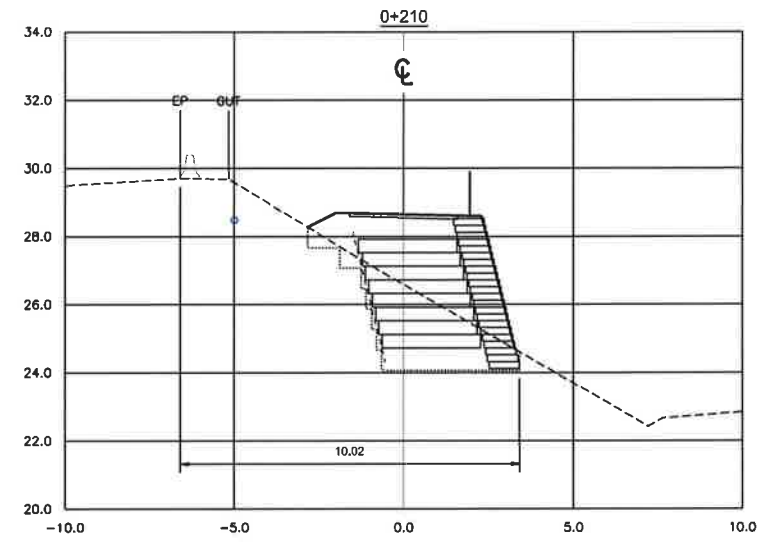
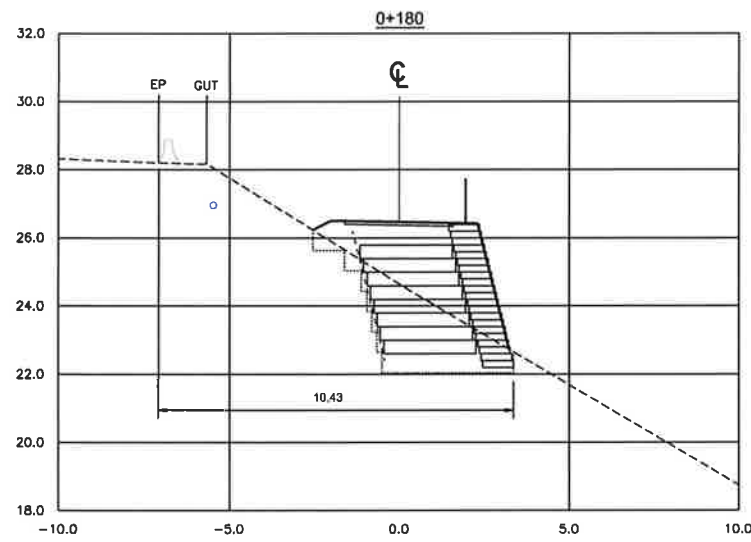
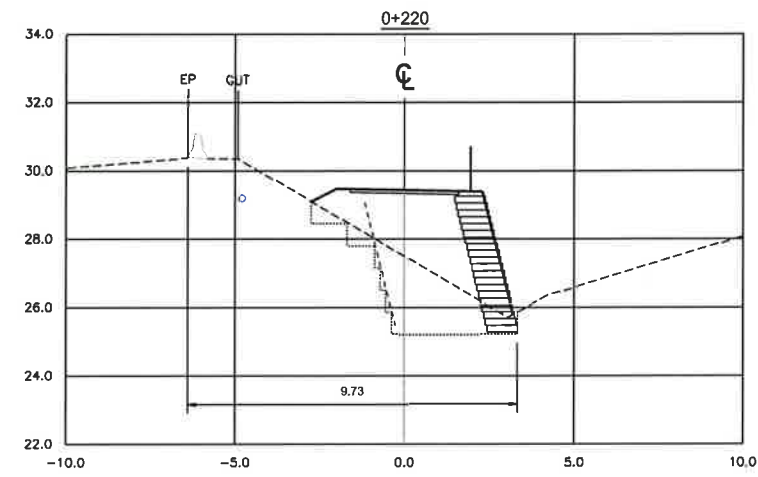
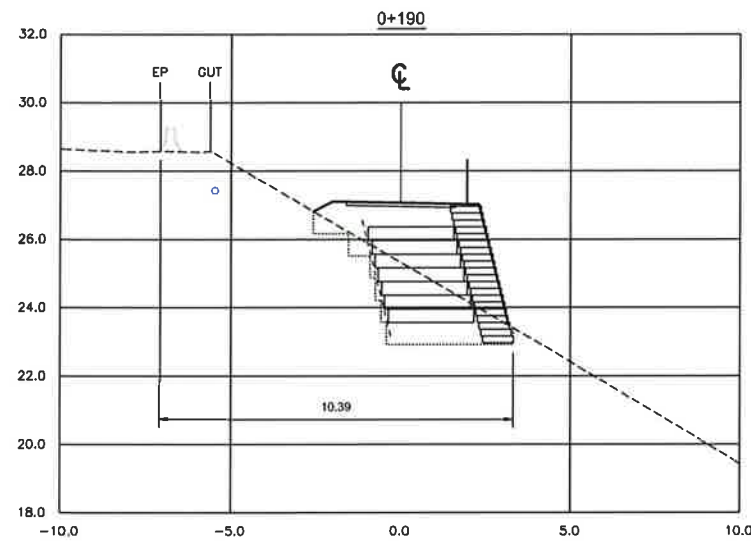
Parks Canada L'Agence Parcs  
Agency Canada  
Western and Northern Region Ouest et Nord du Canada

Project No./Titre du projet  
**TOFINO  
PACIFIC RIM  
NATIONAL PARK RESERVE  
?apsclik fas'li  
(Ups-cheek ta-shee)  
"Going in the right  
direction on the trail"**

Designed by/Concept par  
DON CHALMERS / 2016-11  
Drawn by/Élaboré par  
JACQUE TAN / 2017-02  
PCA Project Manager/Contrôleur du projet  
Académicien en Projets APC  
JACQUE HICKS

Working title/Titre de travail  
**?apsclik fas'li (Ups-cheek ta-shee)  
"Going in the right direction on the  
trail"  
TRAIL DESIGN  
SITE I - WALL / FILL SLOPE  
SECTIONS**

Project No./No. du projet <b>PCA #1522</b>	Sheet/Feuille <b>W-8.5</b>	Revision no./No. de Révision <b>1</b>
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PROFESSIONAL  
OF  
**D. G. CHALMERS**  
P.L.L.C.  
PACIFIC RIM  
NATIONAL PARK RESERVE  
TOFINO  
DEC 1 8 2019

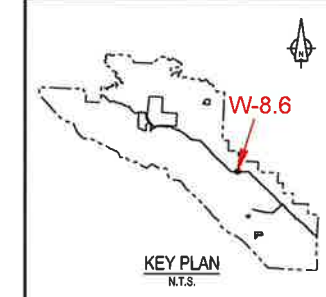


SECTIONS  
1:100



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**PARSONS**



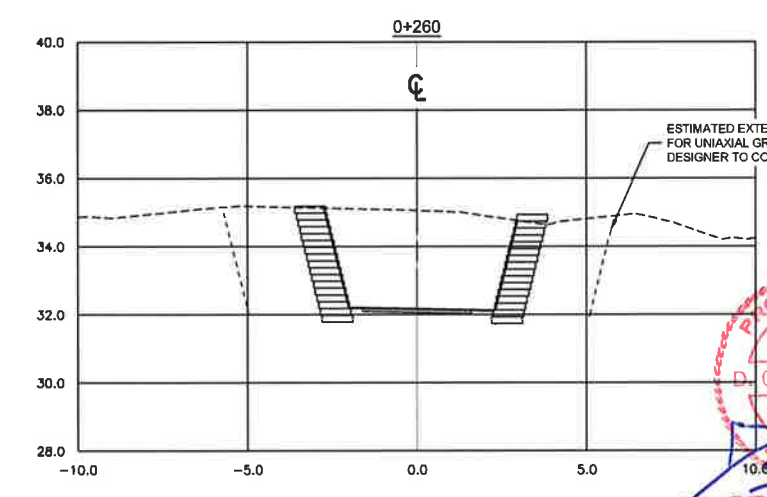
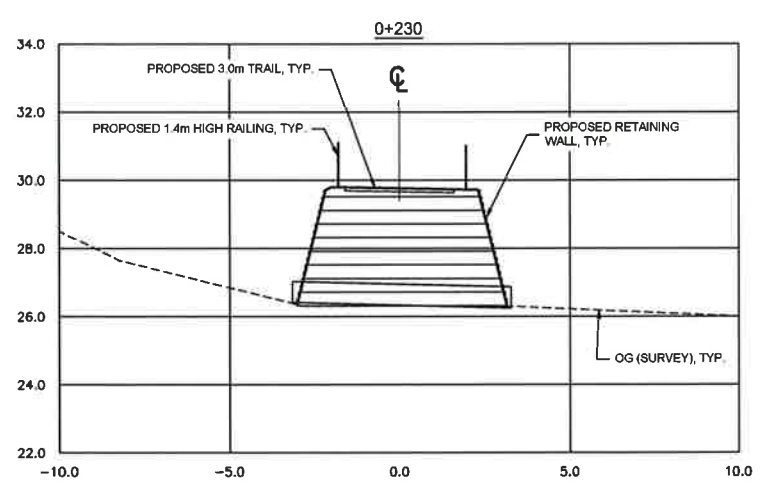
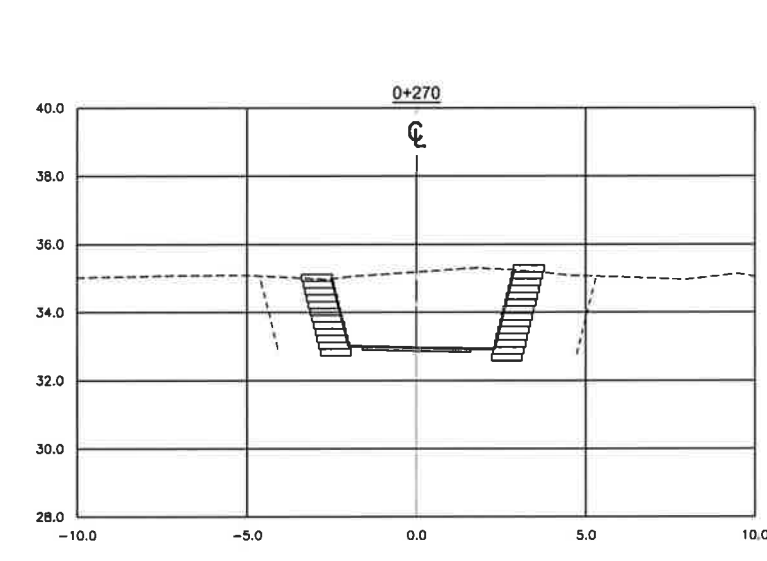
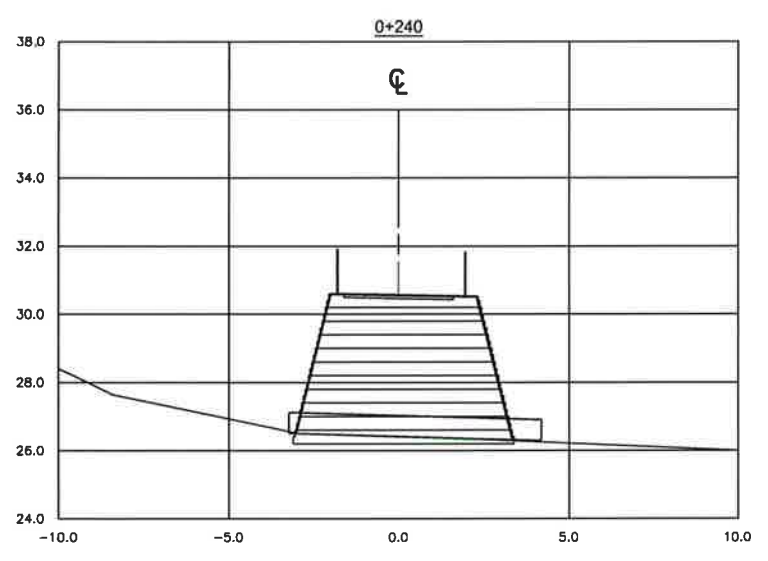
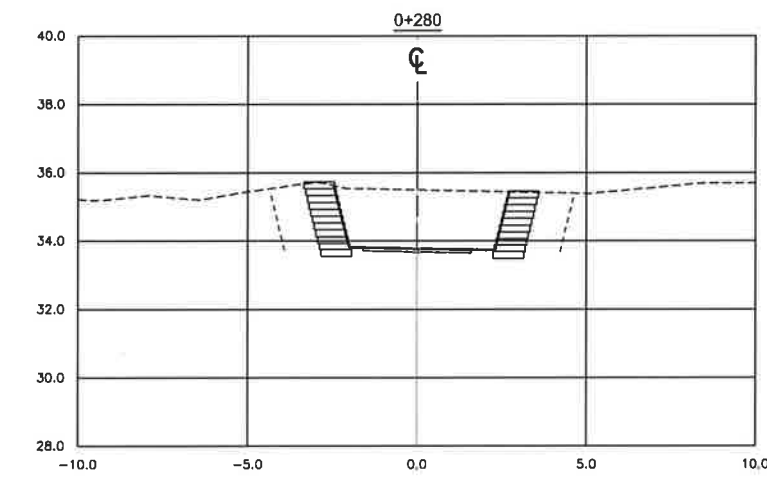
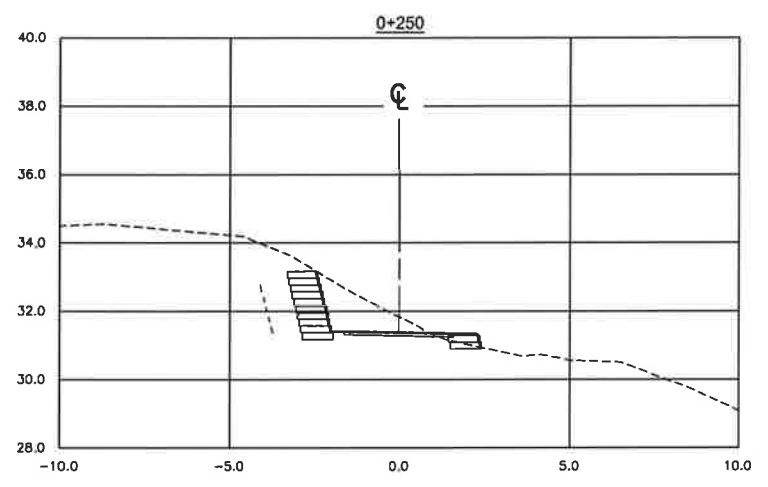
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2	ISSUED FOR TENDER	30/10/2018
3	ISSUED FOR TENDER	18/11/2018
4	ISSUED FOR TENDER	30/10/2018

Client/Client  
**Perks Canada L'Agence Parcs**  
 Agency Canada  
 Western and Northern Region Quest et Nord du Canada

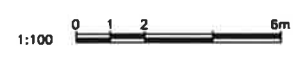
Project title/Titre du projet  
**TOFINO**  
**PACIFIC RIM NATIONAL PARK RESERVE**  
**ʔapsčlik fašil (Ups-cheek ta-shee)**  
**"Going in the right direction on the trail"**

Designing title/Titre de l'ouvrage  
**ʔapsčlik fašil (Ups-cheek ta-shee)**  
**"Going in the right direction on the trail"**  
**TRAIL DESIGN**  
 SITE 1 - WALL / FILL SLOPE SECTIONS

Project No./No. du projet <b>PCA #1522</b>	Sheet/Feuille <b>W-8.6</b>	Revision no./No. de révision <b>1</b>
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**PROFESSIONAL**  
**OF**  
**D. G. CHALMERS**  
**BRITISH COLUMBIA**  
 DEC 18 2018



SECTIONS  
1:100

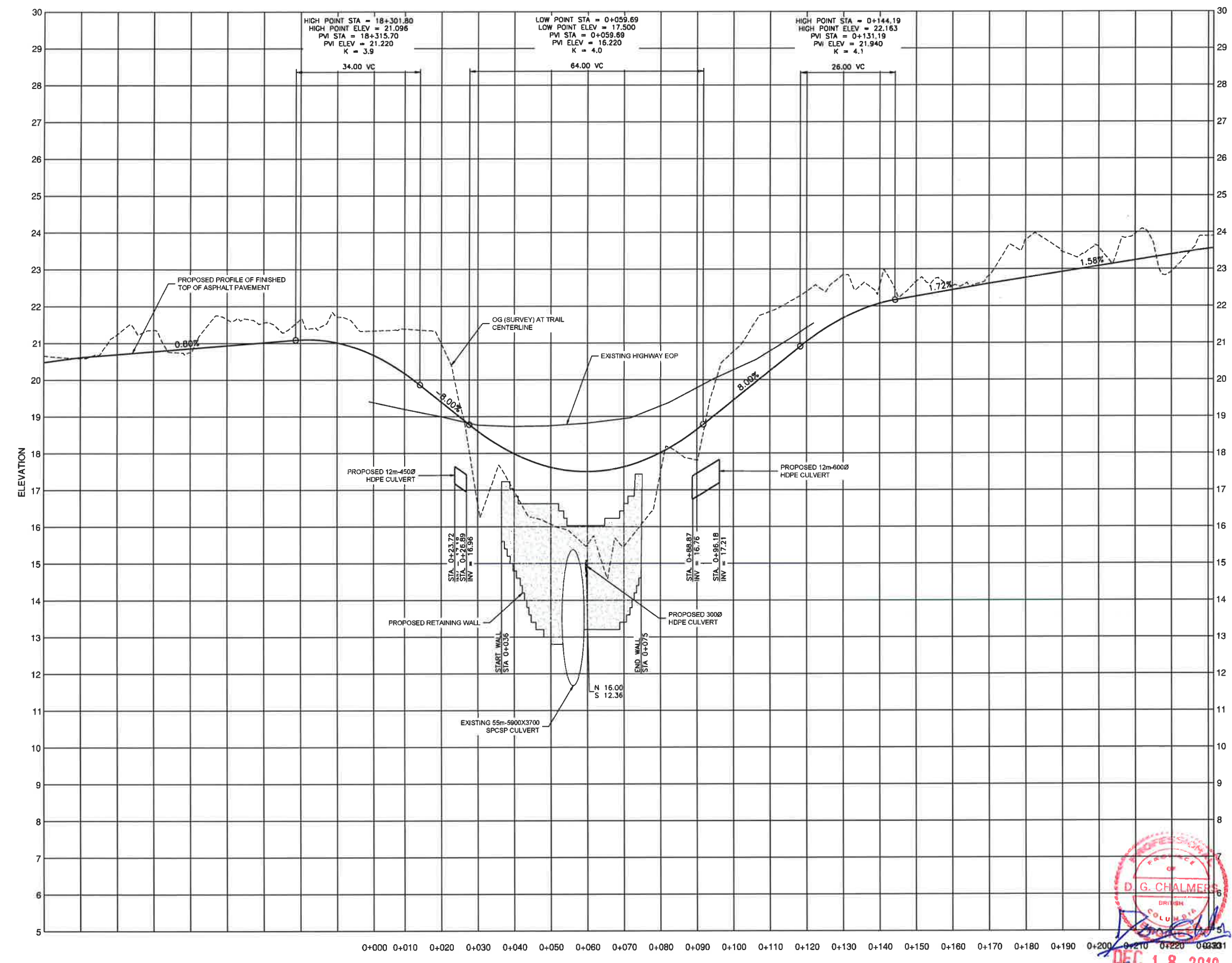
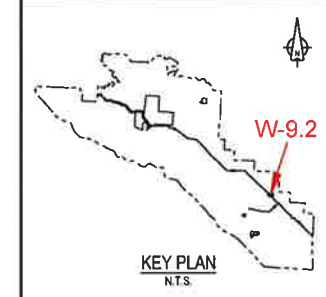
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**PARSONS**



Rev	Description	Date
1	ISSUED FOR TENDER	09/11/2018
2	ISSUED FOR TENDER	01/12/2018
3	ISSUED FOR TENDER	02/12/2018
4	ISSUED FOR TENDER	03/12/2018
5	ISSUED FOR TENDER	04/12/2018

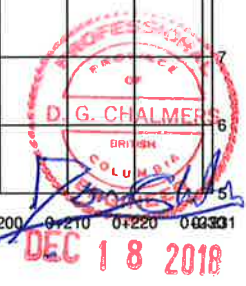
Parks Canada Agency / L'Agence Parcs Canada  
Western and Northern Region / Ouest et Nord du Canada

Project title / Titre du projet: **TOFINO PACIFIC RIM NATIONAL PARK RESERVE**  
**ʔapsčłłk ʔasłł ("Ups-cheek ta-shoo")**  
**"Going in the right direction on the trail"**

Designed by/Concept par: **DON CHALMERS / 2016-11**  
Drawn by/Ébauché par: **JACKIE TAN / 2017-02**  
PCA Project Manager/Responsable du projet: **JACKIE HICKS**

Drawing title / Titre de la feuille: **ʔapsčłłk ʔasłł ("Ups-cheek ta-shoo")**  
**"Going in the right direction on the trail"**  
**TRAIL DESIGN**  
**SITE J - WALL / FILL SLOPE PROFILE**

Project No./No. du projet: **PCA #1522**  
Sheet/Feuille: **W-9.2**  
Revision/Version: **2**



DRAWING TITLE: PROFILE OF FINISHED TOP OF ASPHALT PAVEMENT FOR TRAIL CENTERLINE. DATE PLOTTED: 2018/12/18 1:50 PM BY: P004746

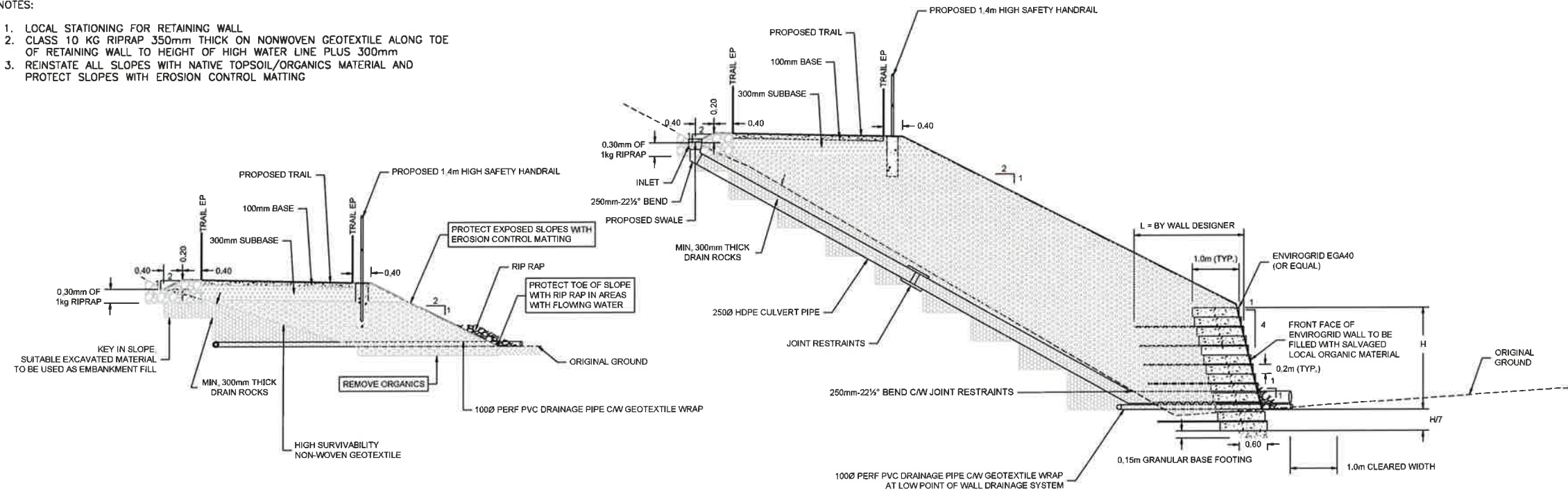


**PROFILE**  
1:500H & 1:50V

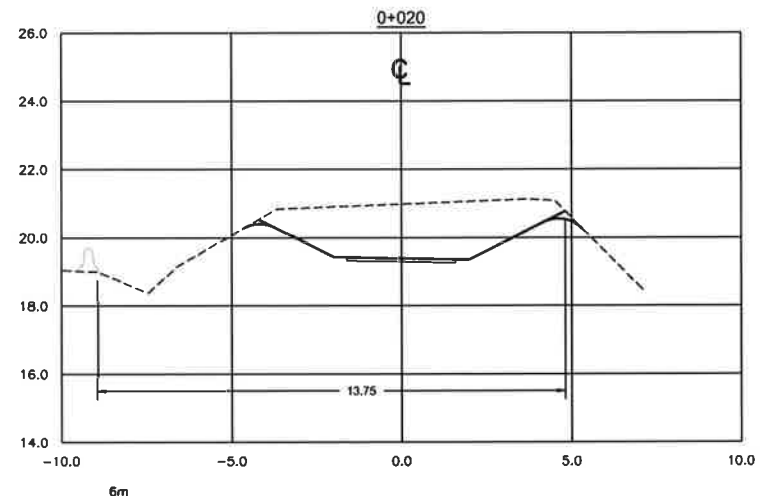
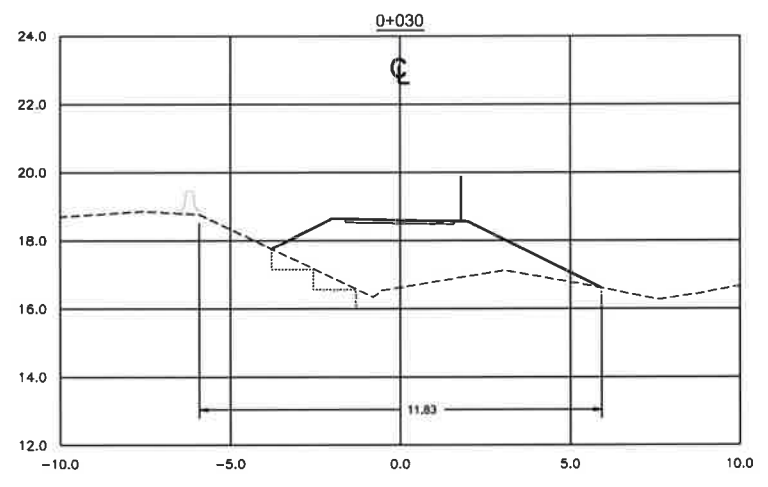
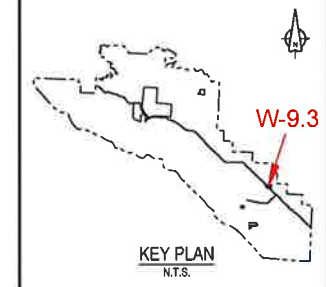
PARSONS

NOTES:

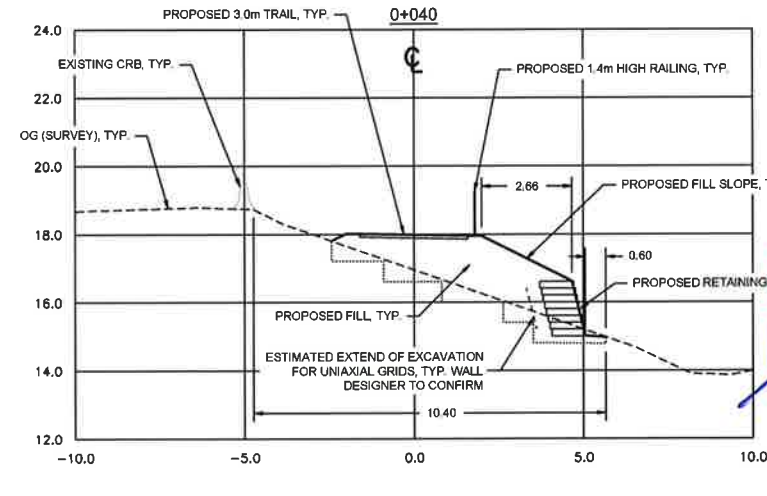
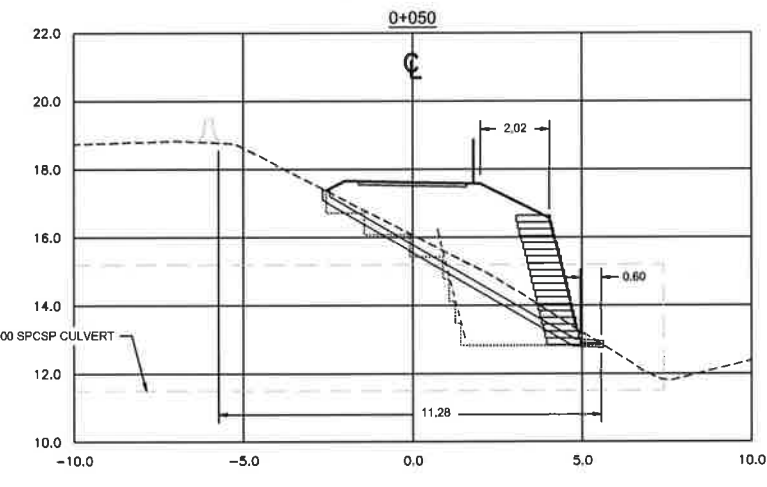
1. LOCAL STATIONING FOR RETAINING WALL
2. CLASS 10 KG RIPRAP 350mm THICK ON NONWOVEN GEOTEXTILE ALONG TOE OF RETAINING WALL TO HEIGHT OF HIGH WATER LINE PLUS 300mm
3. REINSTATE ALL SLOPES WITH NATIVE TOPSOIL/ORGANICS MATERIAL AND PROTECT SLOPES WITH EROSION CONTROL MATTING



TYPICAL FILL SECTION  
1:50



SECTIONS  
1:100



1	ISSUED FOR TENDER	10/11/2011
2	ISSUED FOR TENDER	10/12/2011
3	ISSUED FOR TENDER	10/19/2011
4	ISSUED FOR TENDER	10/19/2011

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

Designed by/Conçue par  
**DOON CHALMERS / 2016-11**  
Drawn by/Dessiné par  
**JACKIE TAN / 2017-02**  
PCA Project Manager/Responsable du projet  
Achitecte/Architecte en chef  
**JACKIE HICKS**

Drawing title / titre de la feuille  
**?apscilik tasii (Ups-cheek ta-shee)**  
**"Going in the right direction on the trail"**  
**TRAIL DESIGN**  
**SITE J - WALL / FILL SLOPE SECTIONS**

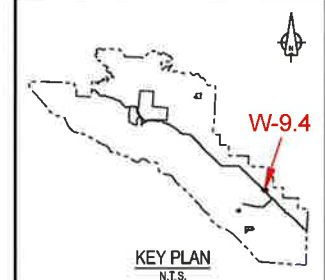
Project No./No. du projet <b>PCA #1522</b>	Sheet/Feuille <b>W-9.3</b> OF 4	Revision No./No. de la Révision <b>2</b>
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DRAWING DATE: 2016-11-18; PROJECT: TOFINO; PROJECT NO.: PCA #1522; SHEET: W-9.3; SCALE: 1:100; PLOT DATE: 2018/12/18 11:35 AM BY: JHICKS





**PARSONS**



NO.	DATE	DESCRIPTION
1	10/11/2017	ISSUED FOR TENDER
2	11/12/2017	ISSUED FOR TENDER
3	02/11/2018	ISSUED FOR TENDER
4	05/10/2018	ISSUED FOR TENDER

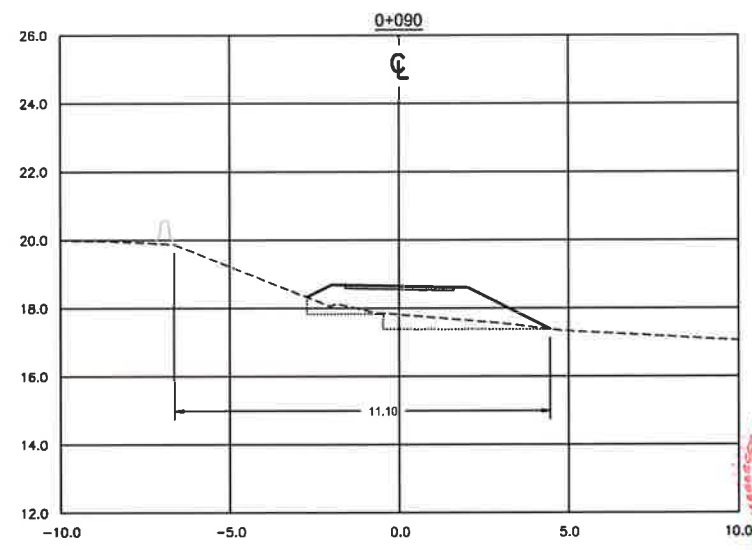
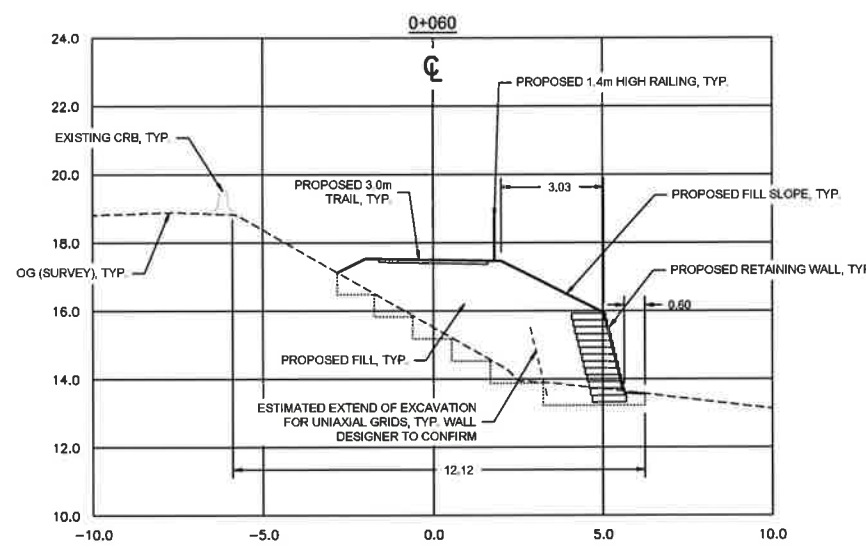
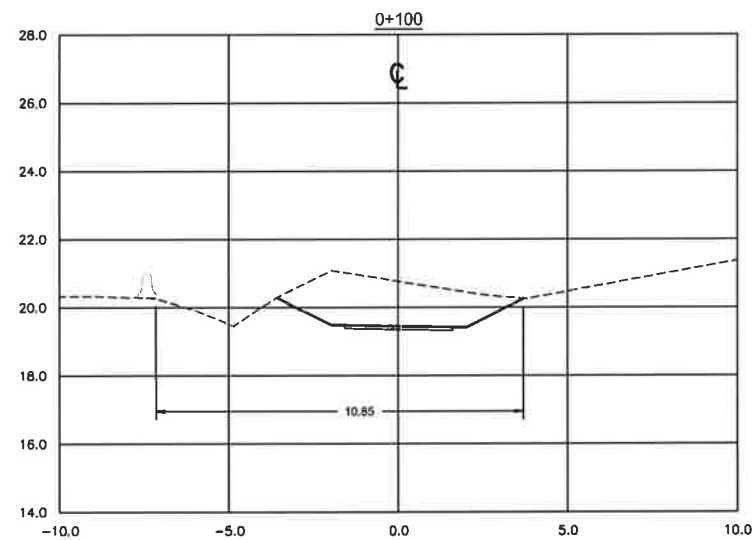
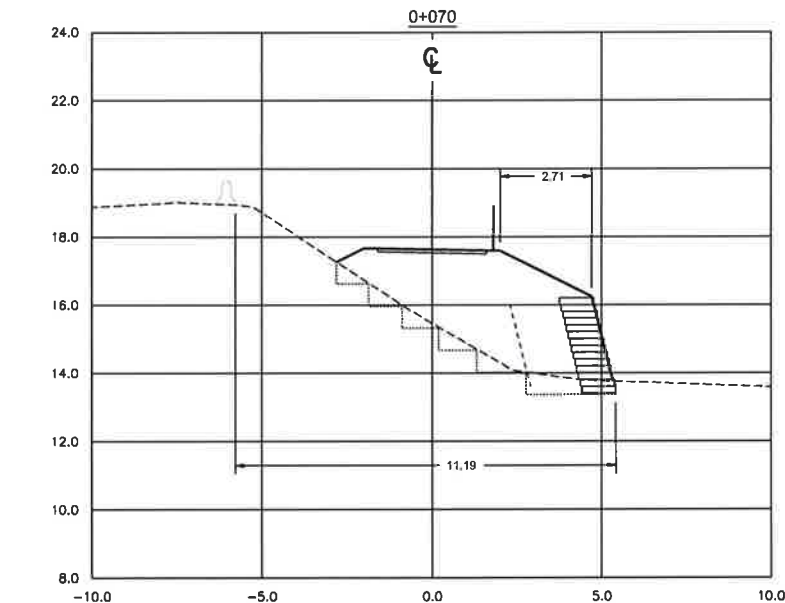
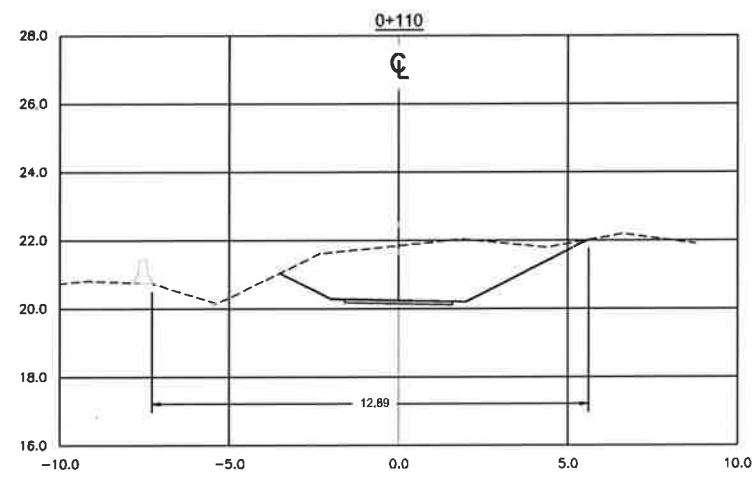
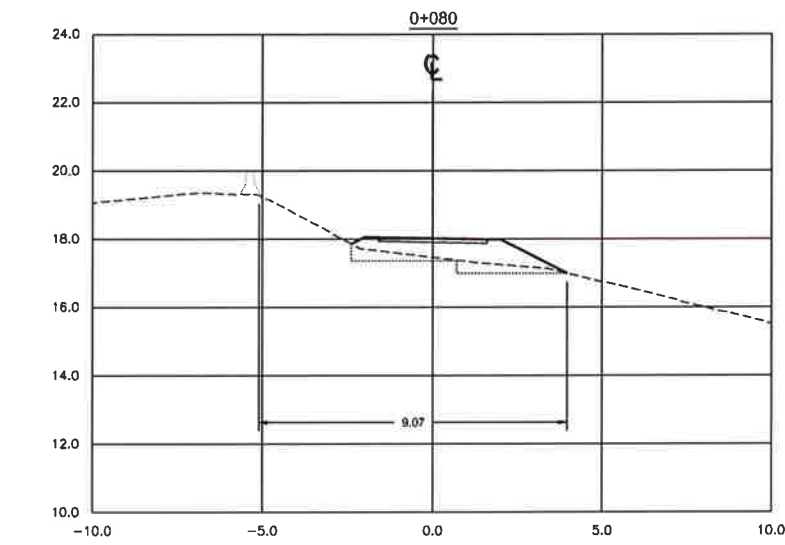
Parks Canada L'Agence Parcs  
Agency Canada  
Western and Northern Region Ouest et Nord du Canada

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

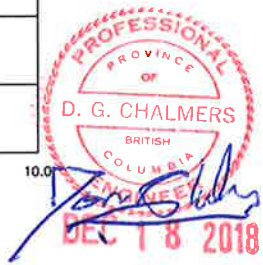
Designer/Concepteur  
DON CHALMERS / 2016-11  
Drawn by/Ébauché par  
JACQUE TAN / 2017-02  
PCA Project Manager/Échelleur de Projets APC  
JACQUE HICKS

Drawing title/Titre de la feuille  
**?apscilik tasii (Ups-cheek ta-shée)  
"Going in the right direction on the  
trail"  
TRAIL DESIGN  
SITE J - WALL / FILL SLOPE  
SECTIONS**

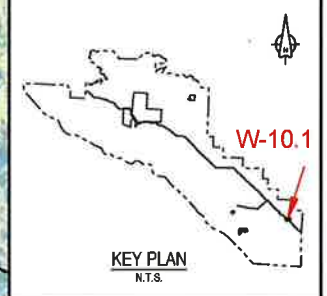
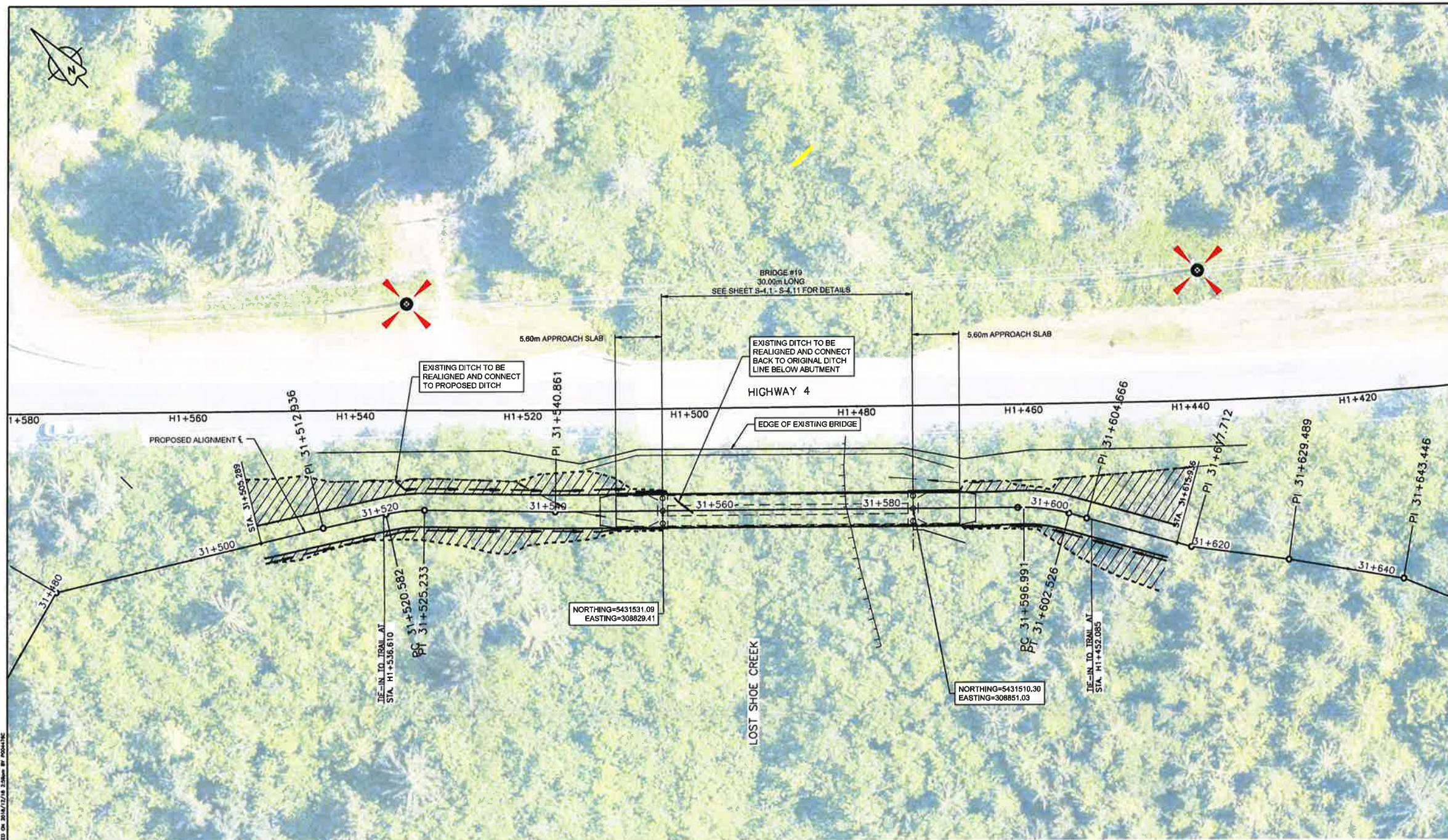
Project No./No. du projet <b>PCA #1522</b>	Sheet No./No. de la feuille <b>W-9.4</b>	Revision No./No. de la révision <b>2</b>
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SECTIONS  
1:100



2018-10-18 10:00 AM - PROJECT - W-9.4 WALL DESIGN - PLOTTED ON 2018/12/18 3:15 PM BY: JACQUE TAN



1	ISSUED FOR TENDER	8/12/2018
2	ISSUED FOR TENDER	10/11/2018
3	ISSUED FOR TENDER	10/19/2018
4	ISSUED FOR TENDER	10/19/2018

Parks Canada L'Agence Parcs Canada  
Western and Northern Region Ouest et Nord du Canada

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

Contractor Signature Only  
Designed by/Concepteur par  
DON CHALMERS / 2018-11  
Drawn by/Dessiné par  
JACKIE TAN / 2017-02  
PLA Project Manager/Contrôleur technique  
Administrateur de Projets AFC  
JACKIE HICKS

Existing site/lieu de construction  
**?apsclik fasli (Ups-cheek ta-shee)  
"Going in the right direction on the trail"**  
**TRAIL DESIGN**  
SITE LOST SHOE - WALL / FILL SLOPE  
PLAN  
HIGHWAY 4 STA H1+500

Project No./No. du projet <b>PCA #1522</b>	Sheet/Feuille <b>W-10.1</b> of 4	Revised by/Revisé par <b>2</b>
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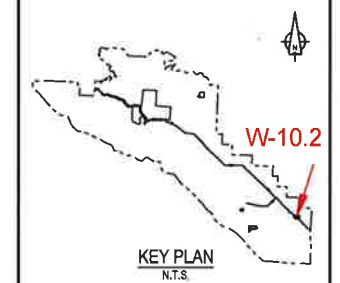
PLAN  
1:250

LEGEND	
EXISTING	PROPOSED
EDGE OF PAVEMENT	EDGE OF TRAIL
SHOULDER OF HIGHWAY	CONCRETE ROADSIDE BARRIER
CONCRETE ROADSIDE BARRIER	STEEL PIPE HANDRAIL
TOE OF SLOPE	RETAINING WALL
TOP OF BANK	TOE OF CUT/FILL
EDGE OF CREEK/DITCH	CENTER OF CREEK/DITCH
CENTER OF CREEK/DITCH	EXTEND OF CUT/FILL
SLOUGH	CLASS 10 RIPRAP
UTILITY POLE	



- NOTES:**
1. SURVEY DATA IS BASED UPON THE UTM NAD83 COORDINATE SYSTEM.
  2. THE CONTRACTOR SHALL ADHERE TO ALL ENVIRONMENTAL REGULATIONS AS SPECIFIED IN THE CONTRACT.
  3. THE FINAL TRAIL ALIGNMENT SHALL BE ESTABLISHED IN THE FIELD BY DEPARTMENTAL REPRESENTATIVE.
  4. EXACT LOCATIONS AND SIZES OF RETAINING WALLS SHOWN IN PLAN TO BE CONFIRMED IN FIELD BY DEPARTMENTAL REPRESENTATIVE.
  5. FOR TYPICAL TRAIL SECTIONS SEE DRAWING T-40.1 AND T-40.2.
  6. FOR HAND RAILS AND ACCESS BARRIERS SEE DRAWING T-49.1 AND T-49.2.
  7. THE CONTRACTOR MUST NOT LOCATE ANY EQUIPMENT, LABOUR OR MATERIALS WITHIN THE FIRST NATION RESERVE BOUNDARIES.
  8. RETAINING WALLS SHALL BE ENVIROGRID OR SIMILAR APPROVED
  9. PROTECT NEW SLOPES WITH EROSION CONTROL MATTING.
  10. RETAINING WALL STATIONING IS INDEPENDENT OF TRAIL STATIONING.
  11. DRAINAGE CULVERTS TO BE IN ACCORDANCE WITH DRAWING D-3 & D-5.
  12. GEOTECHNICAL DESIGN PARAMETERS INCLUDED ON DRAWING "FINAL GEOTECHNICAL SITE ASSESSMENT - PHASE J" BY WOOD PLC REPORT DATED DECEMBER, 2018.
  12. FOR DETAILS OF ROADSIDE BARRIERS AND FLARES SEE DRAWING T-46.
  13. POSTED HIGHWAY SPEED 80 km/hr.

**PARSONS**



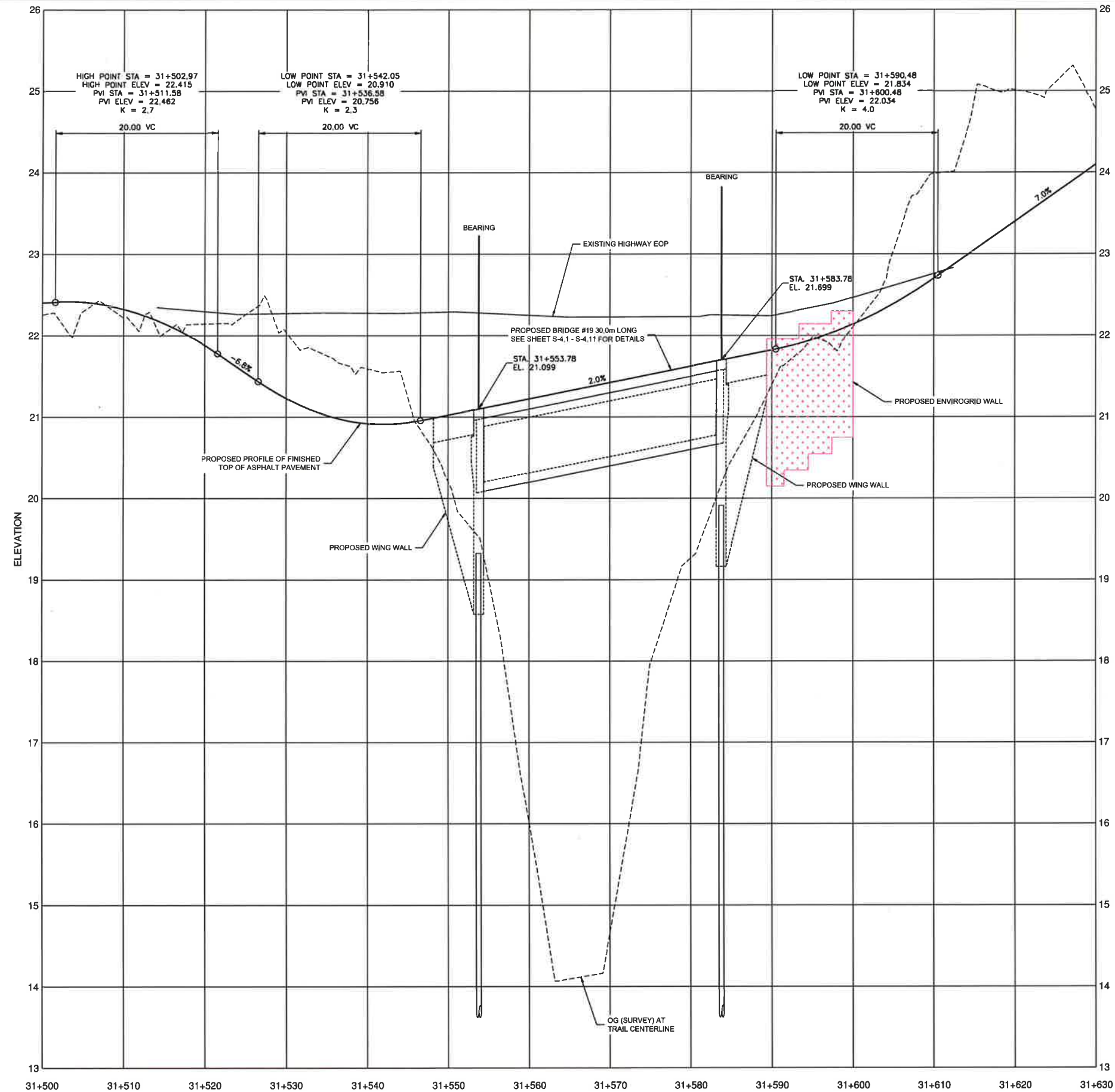
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2	ISSUED FOR TENDER	05/11/2017
3	ISSUED FOR TENDER	05/10/2017

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

Designer: by/Concept par  
**DON CHALMERS / 2016-11**  
Drawn: by/Dessiné par  
**JACKIE TAN / 2017-02**  
PCA Project Manager/Ingénieur de Projets APC  
**JACKIE HICKS**

Drawn by/Dessiné par  
**?apsčik fasli (Ups-cheek ta-shee)  
"Going in the right direction on the  
trail"**  
**TRAIL DESIGN**  
SITE LOST SHOE - WALL / FILL SLOPE  
PROFILE

Project No./No. du projet  
**PCA #1522**  
Sheet/Feuille  
**W-10.2**  
Revision No./No. de Révision  
**2**

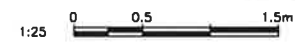
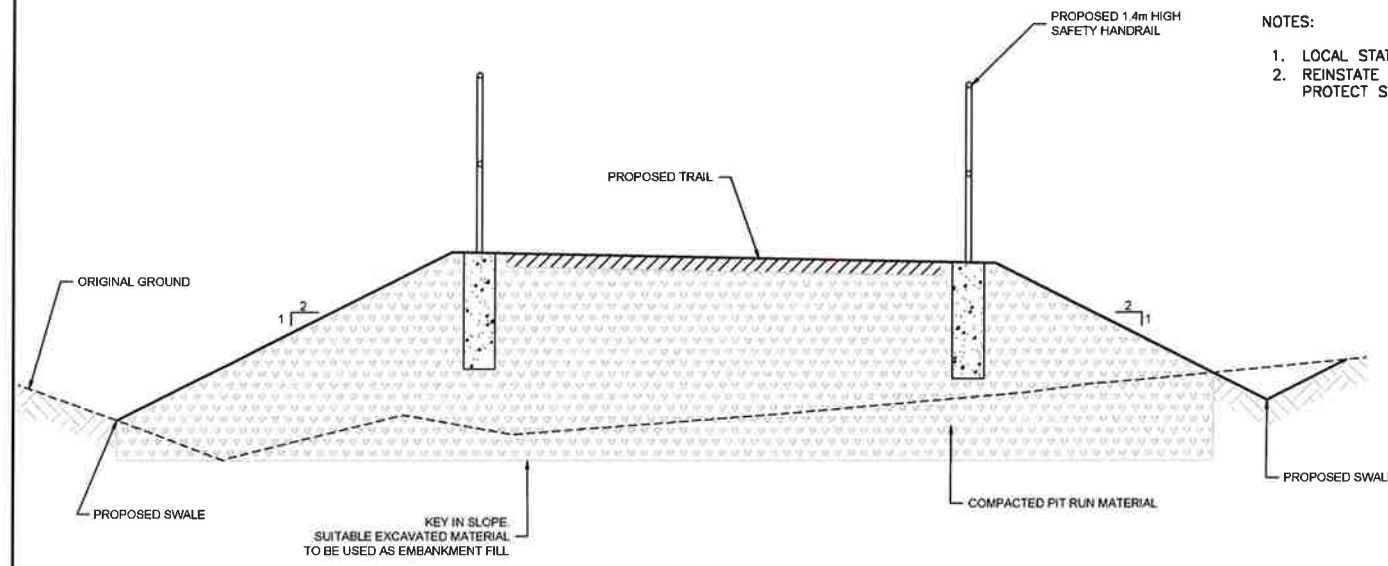


PROFILE  
1:250H & 1:25V

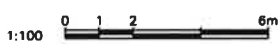
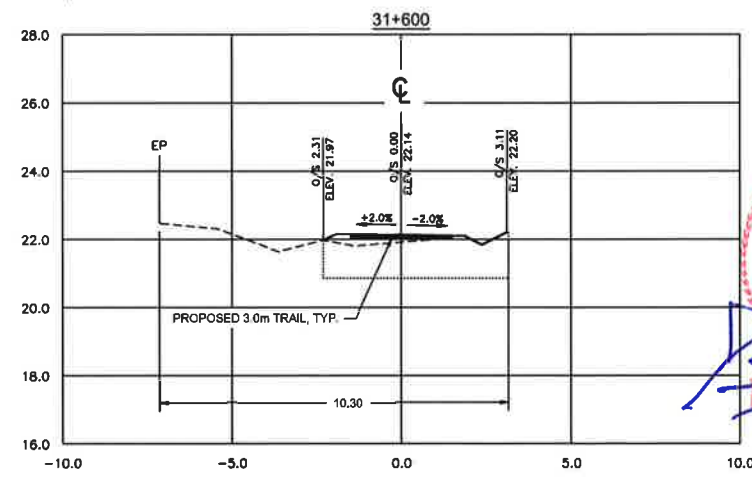
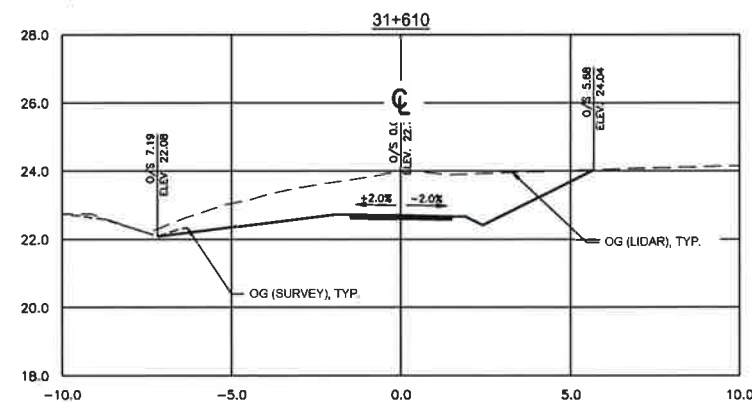
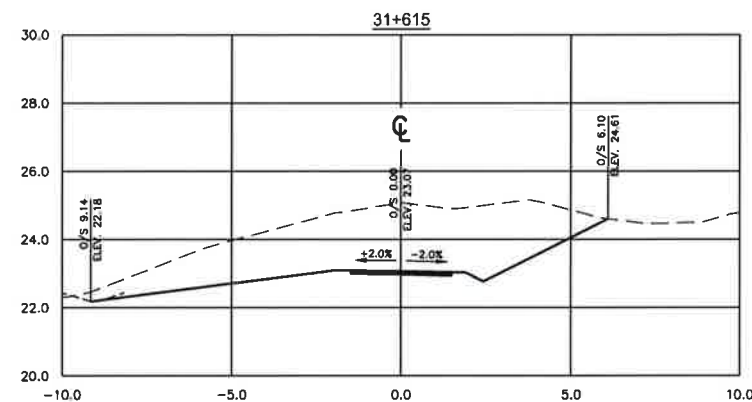
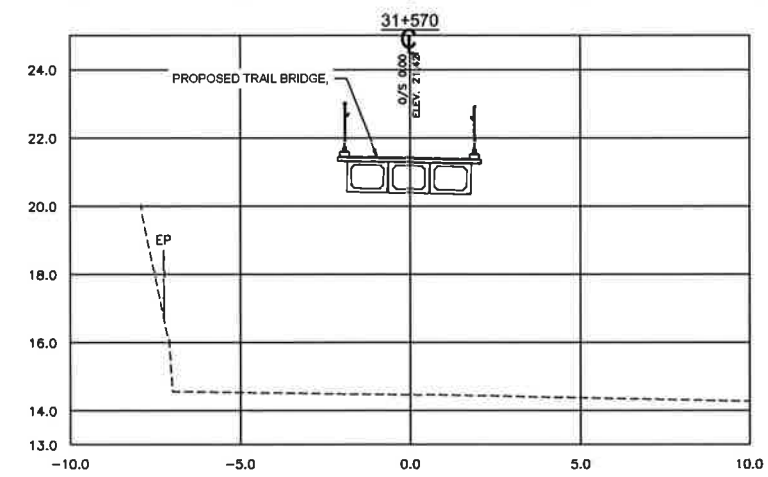
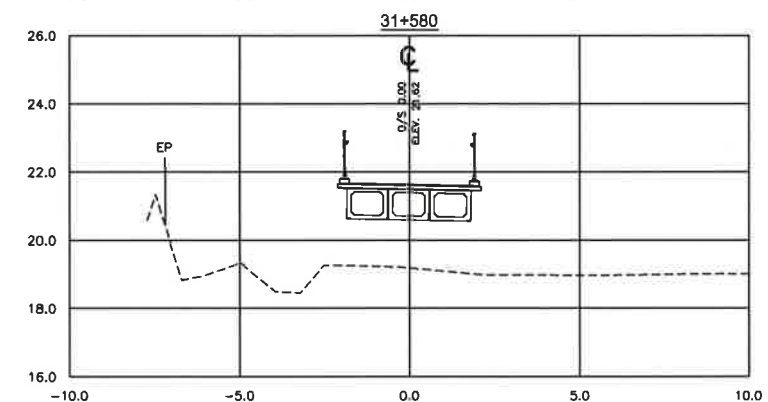
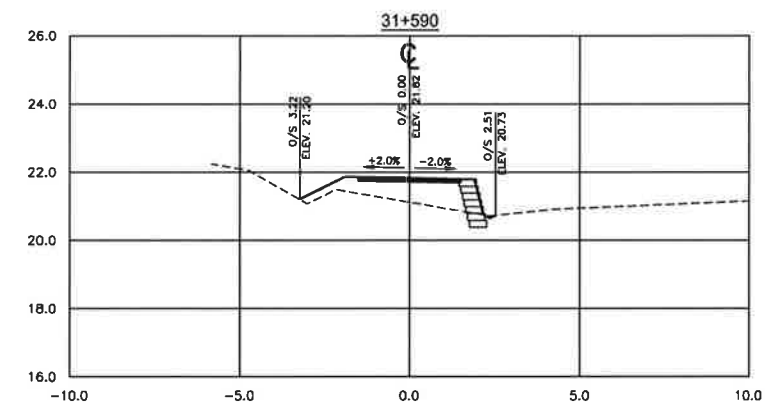




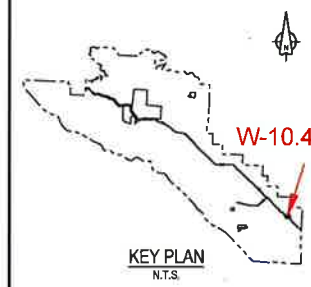
- NOTES:
1. LOCAL STATIONING FOR RETAINING WALL
  2. REINSTATE ALL SLOPES WITH NATIVE TOPSOIL/ORGANICS MATERIAL AND PROTECT SLOPES WITH EROSION CONTROL MATTING



TYPICAL FILL SECTION  
1:25



SECTIONS  
1:100



1	ISSUED FOR TENDER	8/12/2014
2	ISSUED FOR TENDER	10/11/2014
3	ISSUED FOR TENDER	10/16/2014
4	Example/Description	10/16/2014

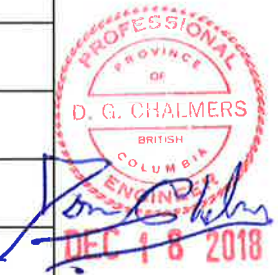
Parks Canada L'Agence Parcs  
Agency Canada  
Western and Northern Region Ouest et Nord du Canada

Project name/Projet  
**TOFINO  
PACIFIC RIM  
NATIONAL PARK RESERVE  
?apscilik fasil  
(Ups-cheek ta-see)  
"Going in the right  
direction on the trail"**

Engineer/Ingénieur  
**DON CHALMERS / 2016-11**  
Drawn by/Dessiné par  
**JACKIE TAN / 2017-02**  
PCA Project Manager/Ingénieur du Projet  
Administrateur de Projets APC  
**JACKIE HICKS**

Drawing title/Projet  
**?apscilik fasil (Ups-cheek ta-see)  
"Going in the right direction on the  
trail"  
TRAIL DESIGN**

Project No./No. de projet <b>PCA #1522</b>	Sheet/Feuille <b>W-10.4</b>	Revision no./No. de Révision <b>2</b>
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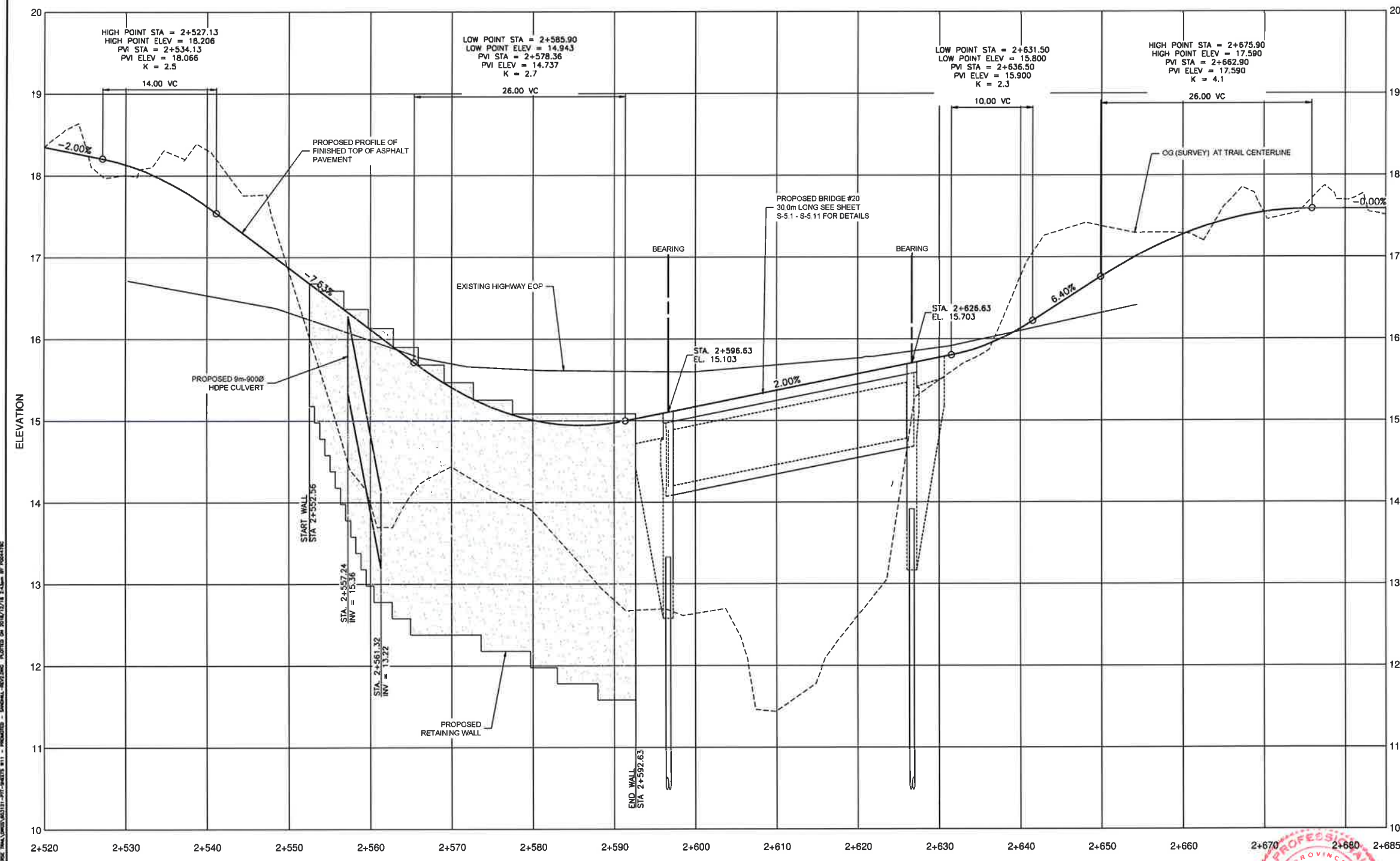


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**PARSONS**



1	ISSUED FOR TENDER	12/12/2016
2	ISSUED FOR TENDER	03/11/2017
3	ISSUED FOR TENDER	02/16/2017

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

Designer by/Conçu par  
**DON CHALMERS / 2016-11**  
Drawn by/Dessiné par  
**JACKIE TAN / 2017-02**

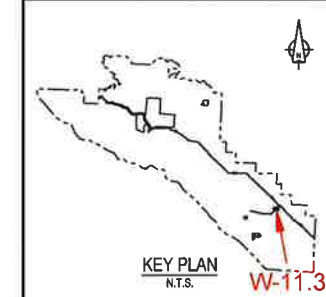
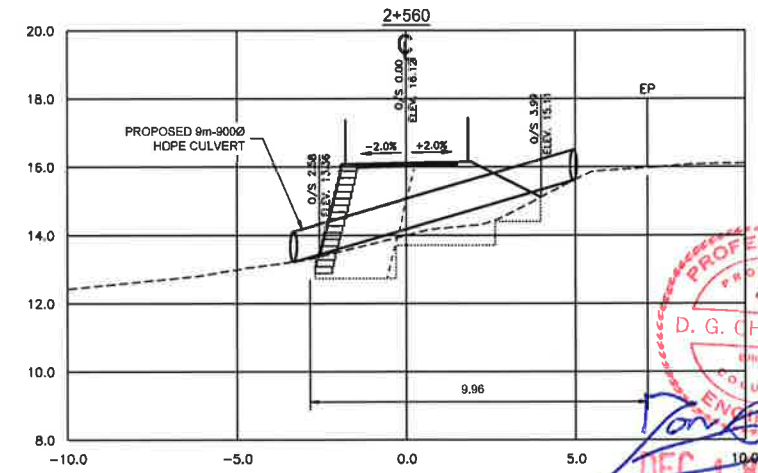
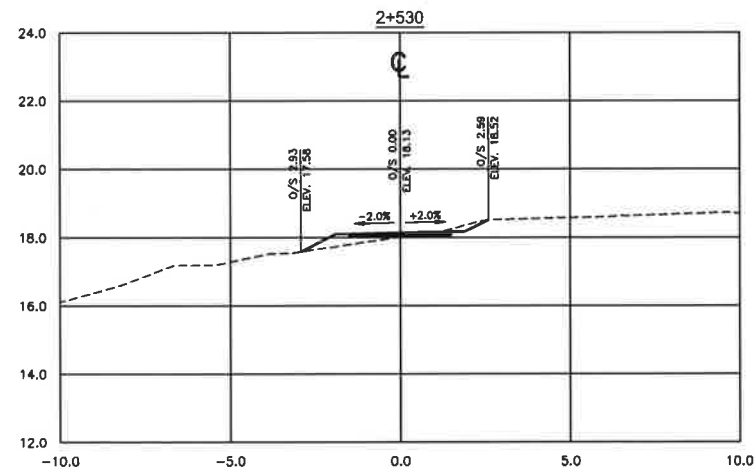
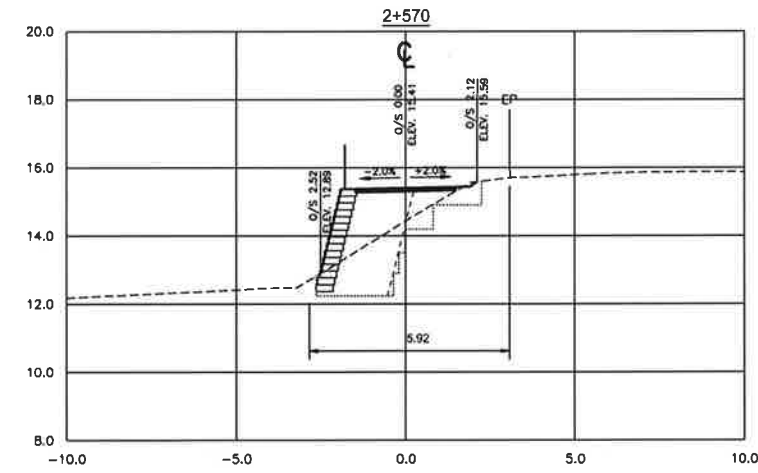
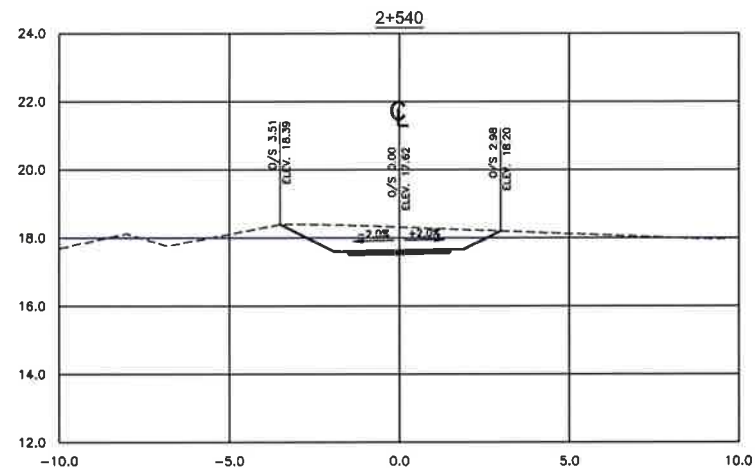
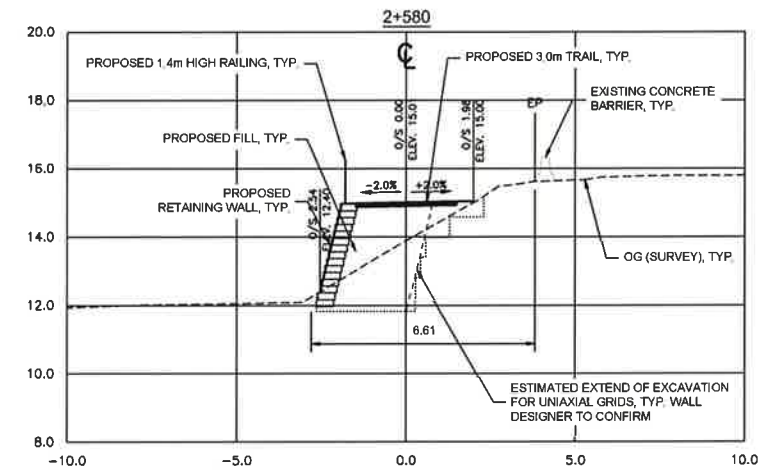
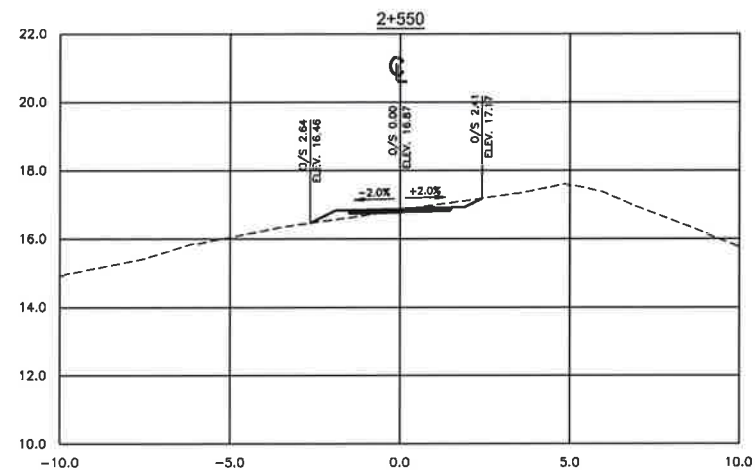
PROFESSIONAL  
OF  
**D. G. CHALMERS**  
BRITISH  
COLUMBIA  
DEC 18 2018

Trail Design  
SITE SANDRILL - WALL / FILL SLOPE  
PROFILE

Project No./No. du projet <b>PCA #1622</b>	Sheet/Feuille <b>W-11.2</b> of 5	Revision/Revisão <b>2</b>
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**PARSONS**



1	ISSUED FOR TENDER	10/12/2016
2	ISSUED FOR TENDER	06/11/2017
3	ISSUED FOR TENDER	05/10/2017

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

Designer: by/Concept par  
**DON CHALMERS / 2016-11**  
Drawn by/Designé par  
**JACKIE TAN / 2017-02**  
PCA Project Manager/ Gérant de Projets AEC  
**JACKIE HICKS**

Drawn: title / Titre du dessin  
**?apacilik fasili (Ups-cheek ta-shee)  
"Going in the right direction on the  
trail"**  
**TRAIL DESIGN**  
SITE SANDHILL - WALL / FILL SLOPE  
SECTIONS

Project No./No. du projet <b>PCA #1522</b>	Sheet/Feuille <b>W-11.3</b>	Revision / Révision <b>2</b>
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PROFESSIONAL  
PROVINCE OF  
**D. G. CHALMERS**  
BRITISH COLUMBIA  
ENGINEER  
*Tom Shih*  
**DEC 18 2018**



SECTIONS  
1:100

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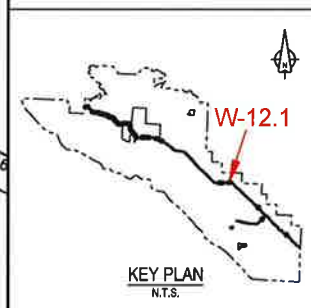
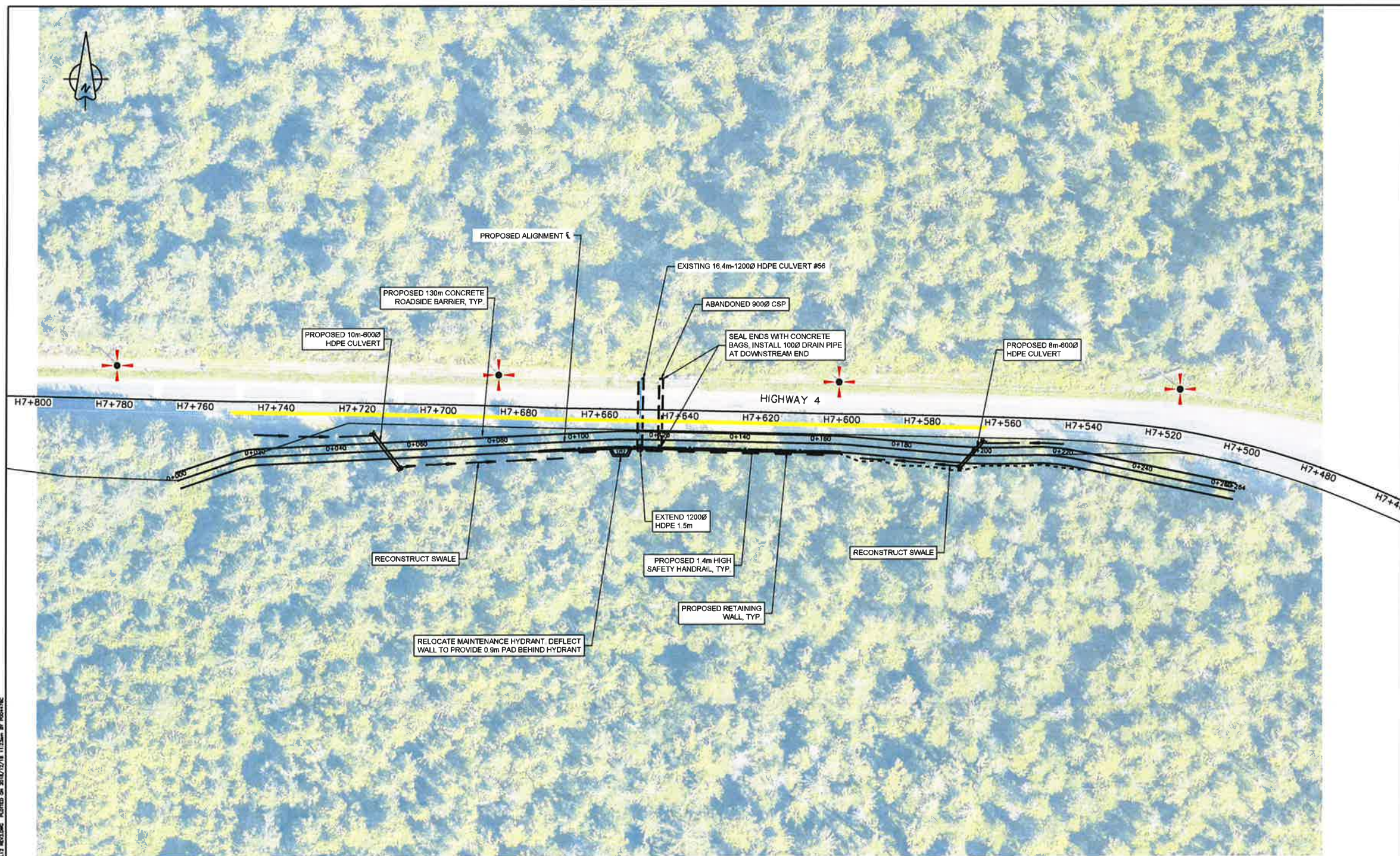








**PARSONS**



Revision/Modifications	Description/Description	Date/Date
6	ISSUED FOR TENDER	6/12/2018
5	ISSUED FOR TENDER	6/11/2018
4	ISSUED FOR TENDER	05/11/2018
3	ISSUED FOR TENDER	05/10/2018
2	ISSUED FOR TENDER	05/10/2018
1	ISSUED FOR TENDER	05/10/2018

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

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

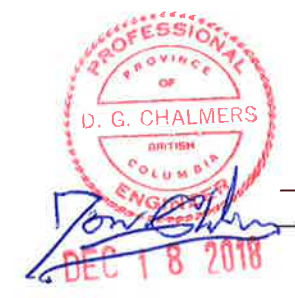
Designed by/Conçue par  
 DON CHALMERS / 2016-11  
 Drawn by/Dessiné par  
 DAVID COX / 2017-03  
 PCA Project Manager/Contrôleur de Qualité  
 Administrateur de Projets APC  
 JACQUE HICKS

Drawing Title/Titre de dessin  
**?apsclik tasli (Ups-cheek ta-shee)**  
**"Going in the right direction on the trail"**  
**TRAIL DESIGN**  
 SITE M - WALL / FILL SLOPE PLAN  
 HIGHWAY 4 STA H7+640

Project No./No. de projet  
 PCA #1522  
 Sheet/Feuille  
**W-12.1**  
 of 6  
 Drawing No./No. de dessin  
**3**



LEGEND	
<b>EXISTING</b>	<b>PROPOSED</b>
— EDGE OF PAVEMENT	— EDGE OF TRAIL
- - - SHOULDER OF HIGHWAY	— CONCRETE ROADSIDE BARRIER
— CONCRETE ROADSIDE BARRIER	— STEEL PIPE HANDRAIL
- - - TOE OF SLOPE	— RETAINING WALL
— TOP OF BANK	- - - TOE OF CUT/FILL
- - - EDGE OF CREEK/DITCH	— CENTER OF CREEK/DITCH
— CENTER OF CREEK/DITCH	— EXTEND OF CUT/FILL
— SLOUGH	— CLASS 10 RIPRAP
— UTILITY POLE	



PLAN  
1:500

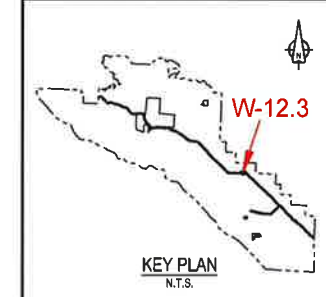
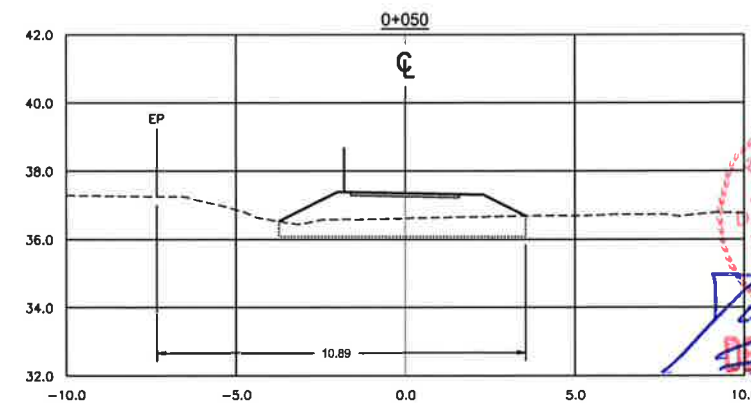
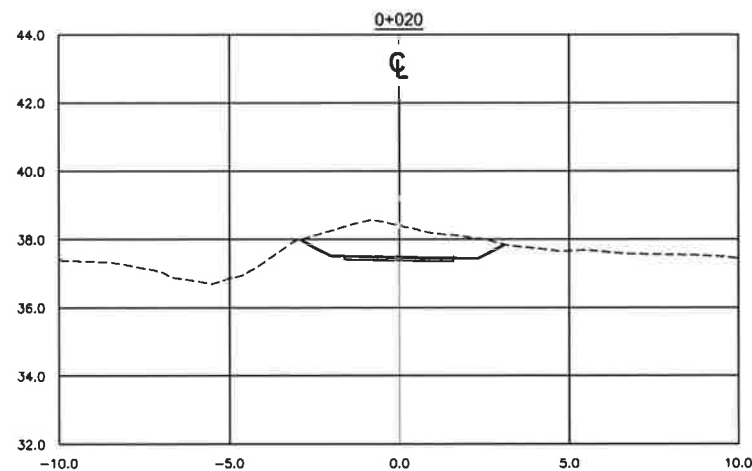
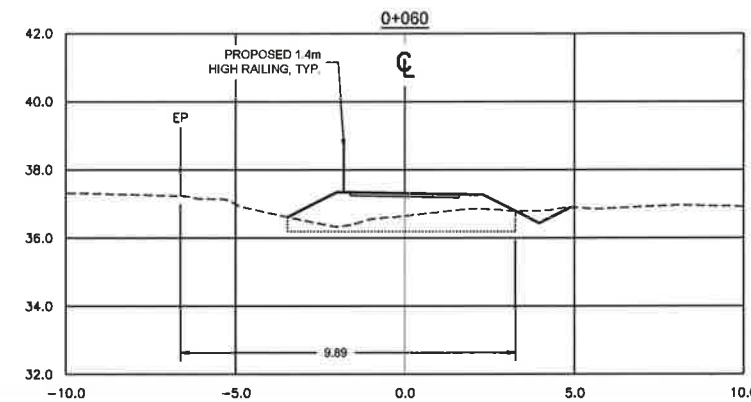
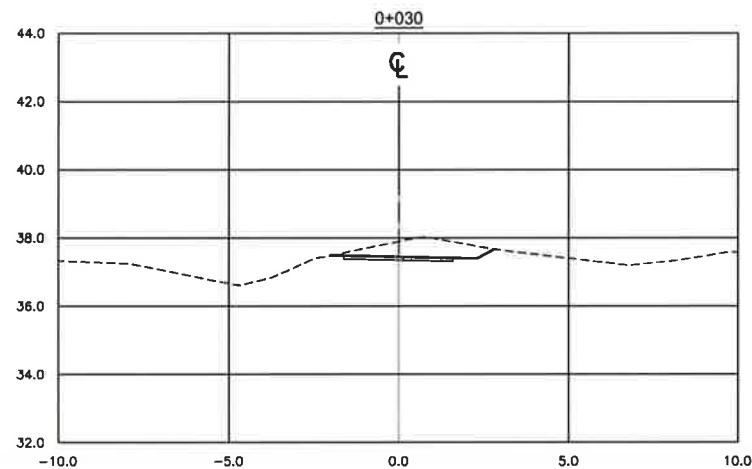
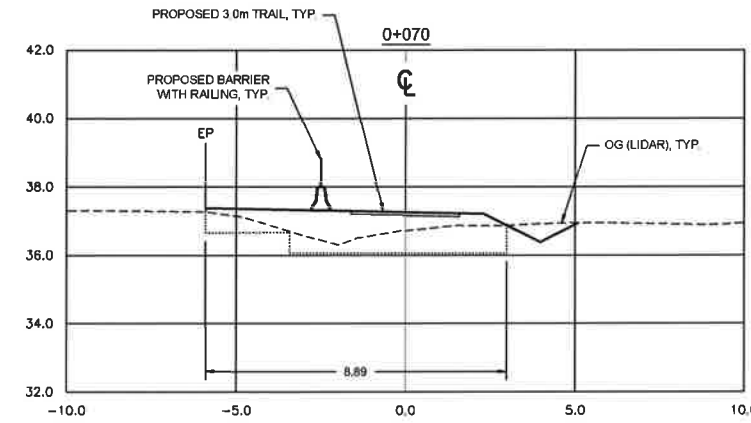
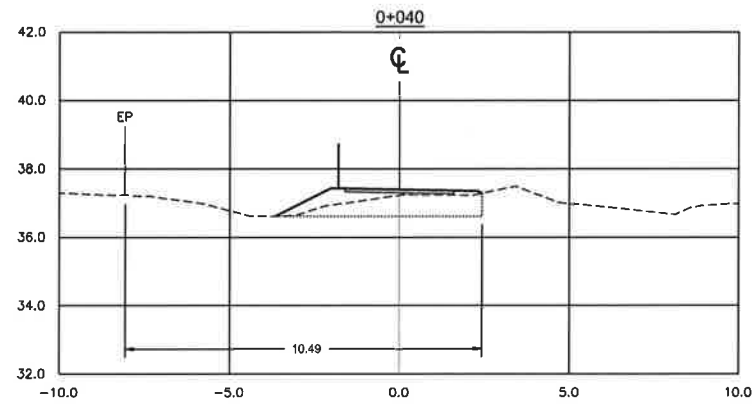
- NOTES:**
1. SURVEY DATA IS BASED UPON THE UTM NAD83 COORDINATE SYSTEM.
  2. THE CONTRACTOR SHALL ADHERE TO ALL ENVIRONMENTAL REGULATIONS AS SPECIFIED IN THE CONTRACT.
  3. THE FINAL TRAIL ALIGNMENT SHALL BE ESTABLISHED IN THE FIELD BY DEPARTMENTAL REPRESENTATIVE.
  4. EXACT LOCATIONS AND SIZES OF RETAINING WALLS SHOWN IN PLAN TO BE CONFIRMED IN FIELD BY DEPARTMENTAL REPRESENTATIVE.
  5. FOR TYPICAL TRAIL SECTIONS SEE DRAWING T-40.1 AND T-40.2.
  6. FOR HAND RAILS AND ACCESS BARRIERS SEE DRAWING T-49.1 AND T-49.2.
  7. THE CONTRACTOR MUST NOT LOCATE ANY EQUIPMENT, LABOUR OR MATERIALS WITHIN THE FIRST NATION RESERVE BOUNDARIES.
  8. RETAINING WALLS SHALL BE ENVIROGRID OR SIMILAR APPROVED
  9. PROTECT NEW SLOPES WITH EROSION CONTROL MATTING.
  10. RETAINING WALL STATIONING IS INDEPENDENT OF TRAIL STATIONING.
  11. DRAINAGE CULVERTS TO BE IN ACCORDANCE WITH DRAWING D-3 & D-5.
  12. GEOTECHNICAL DESIGN PARAMETERS INCLUDED ON DRAWING "FINAL GEOTECHNICAL SITE ASSESSMENT - PHASE 3" BY WOOD PLC REPORT DATED DECEMBER, 2018.
  13. FOR DETAILS OF ROADSIDE BARRIERS AND FLARES SEE DRAWING T-46.
  14. POSTED HIGHWAY SPEED 80 km/hr.

05/10/2018 11:15 AM - P:\0510\2018-18\PROJECTS\TOFINO\DRAWINGS\W-12.1\W-12.1-1000.DWG - WALL/FILL SLOPE PLAN - PRINTED ON 2018/12/18 11:15 AM BY P001416





**PARSONS**



Revision	Description/Description	Date/Date
6	ISSUED FOR TENDER	03/10/2018
5	ISSUED FOR TENDER	03/11/2017
4	ISSUED FOR TENDER	03/11/2017
3	ISSUED FOR TENDER	03/11/2017
2	ISSUED FOR TENDER	03/11/2017
1	ISSUED FOR TENDER	03/11/2017

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  
?apsçliik tašii  
"Ups-cheek ta-shee"  
"Going in the right direction on the trail!"

Consultant Signature Only  
Designed by/Conçue par  
DON CHALMERS / 2016-11  
Drawn by/Dessiné par  
DAVID COX / 2017-03  
PCA Project Manager/Technicien Autorité  
Administrateur de Projets APC  
JACKIE HICKS

Drawing title/Titre du dessin  
?apsçliik tašii (Ups-cheek ta-shee)  
"Going in the right direction on the trail!"  
TRAIL DESIGN

SITE M - WALL / FILL SLOPE SECTIONS

Project No./No. du projet	Sheet/Feuille	Revision No./La Révision No.
PCA #1522	W-12.3 OF 6	3

PROFESSIONAL ENGINEER  
OF  
DON CHALMERS  
BRITISH COLUMBIA  
DEC 18 2018

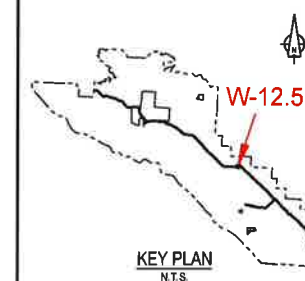


SECTIONS  
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DRAWN BY: DAVID COX / 2017-03; CHECKED BY: JACKIE HICKS / 2017-03; PROJECT NO.: PCA #1522; SHEET NO.: W-12.3 OF 6; DATE: 2018-11-11



**PARSONS**



Revision/Description	Date/Date
3	ISSUED FOR TENDER 8/12/2018
2	ISSUED FOR TENDER 5/11/2018
1	ISSUED FOR TENDER 20/11/2017
0	ISSUED FOR TENDER 20/10/2017

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

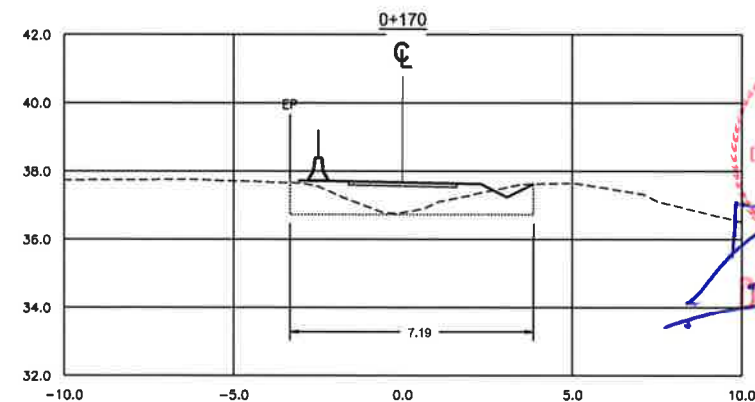
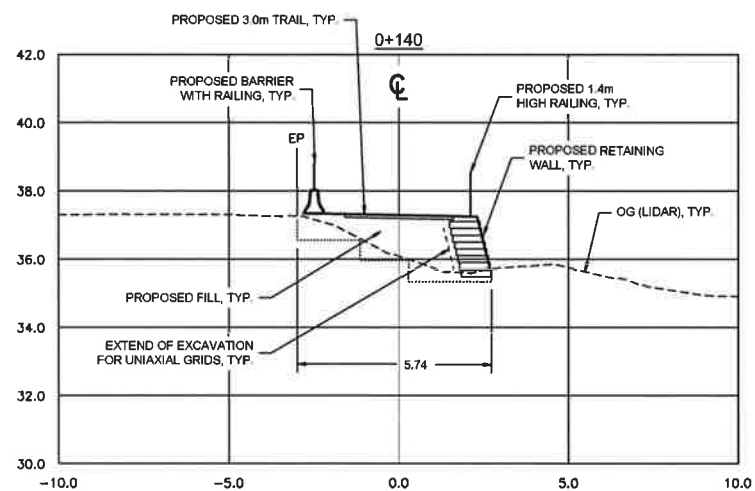
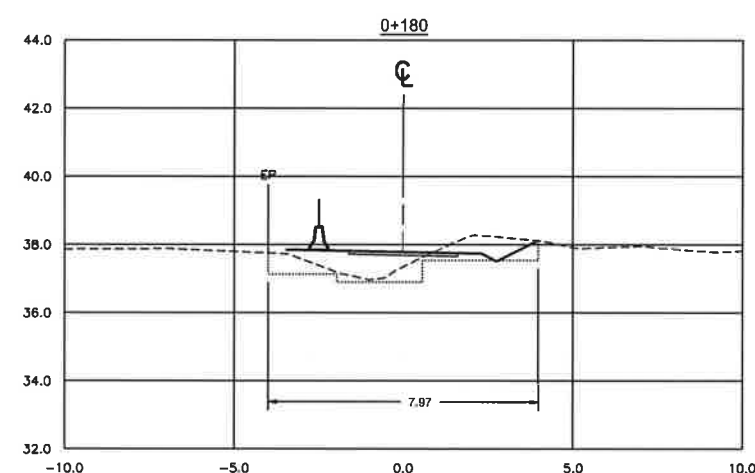
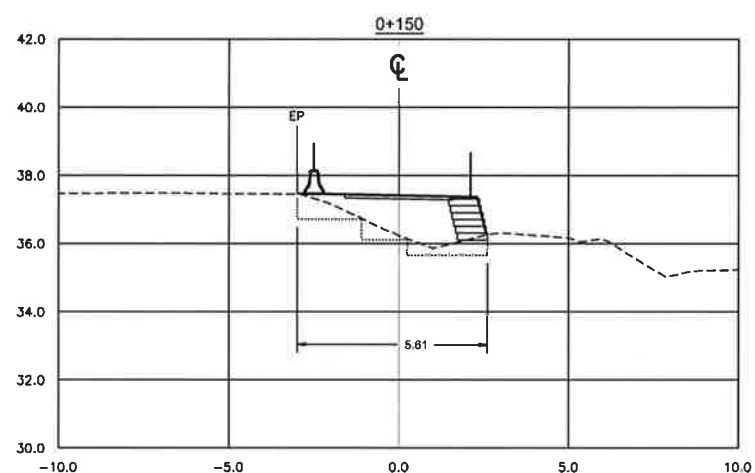
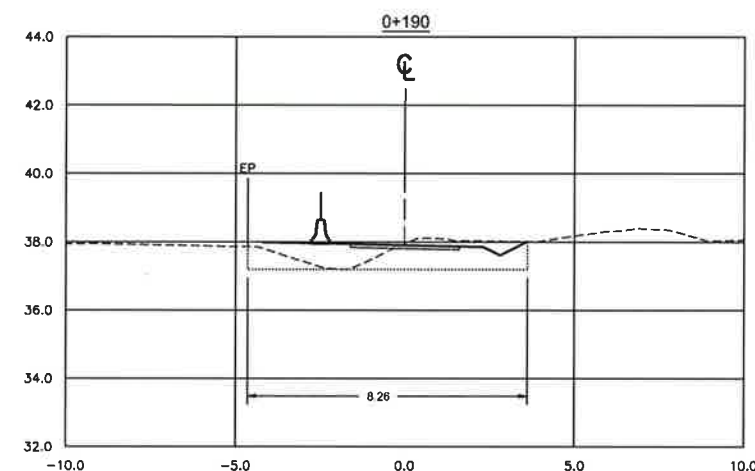
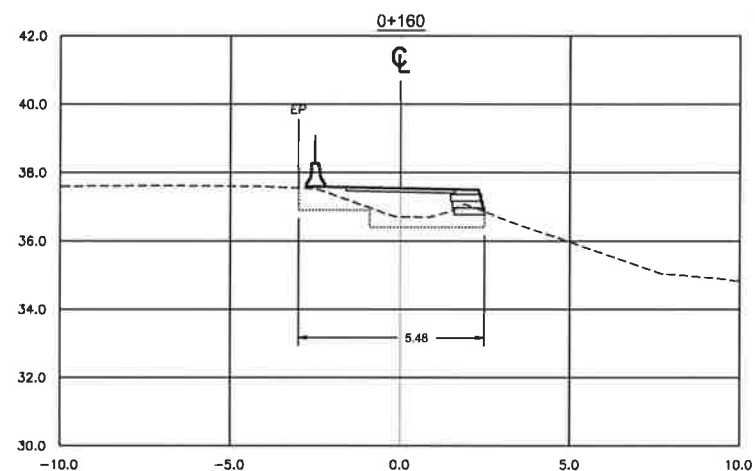
Project title / titre du projet  
**TOFINO**  
**PACIFIC RIM NATIONAL PARK RESERVE**  
**ʔapsc̓lik taš̓li**  
**(Ups-cheek ta-shee)**  
**"Going in the right direction on the trail"**

Consultant Signature Only  
 Designed by/Conçue par  
 DON CHALMERS / 2018-11  
 Drawn by/Dessiné par  
 DAVID COX / 2017-03  
 PCA Project Manager/Technical Authority  
 Administrateur de Projets APC  
 JACKIE HICKS

Drawing title / titre du dessin  
**ʔapsc̓lik taš̓li (Ups-cheek ta-shee)**  
**"Going in the right direction on the trail"**  
**TRAIL DESIGN**

SITE M - WALL / FILL SLOPE SECTIONS

Project No./no. de projet	Sheet / Feuille	Revisions no./no. de révisions
PCA #1522	W-12.5 OF 6	3



PROFESSIONAL  
 ENGINEER  
 OF  
 BRITISH COLUMBIA  
 D. G. CHALMERS  
 DEC 18 2018



SECTIONS  
 1:100

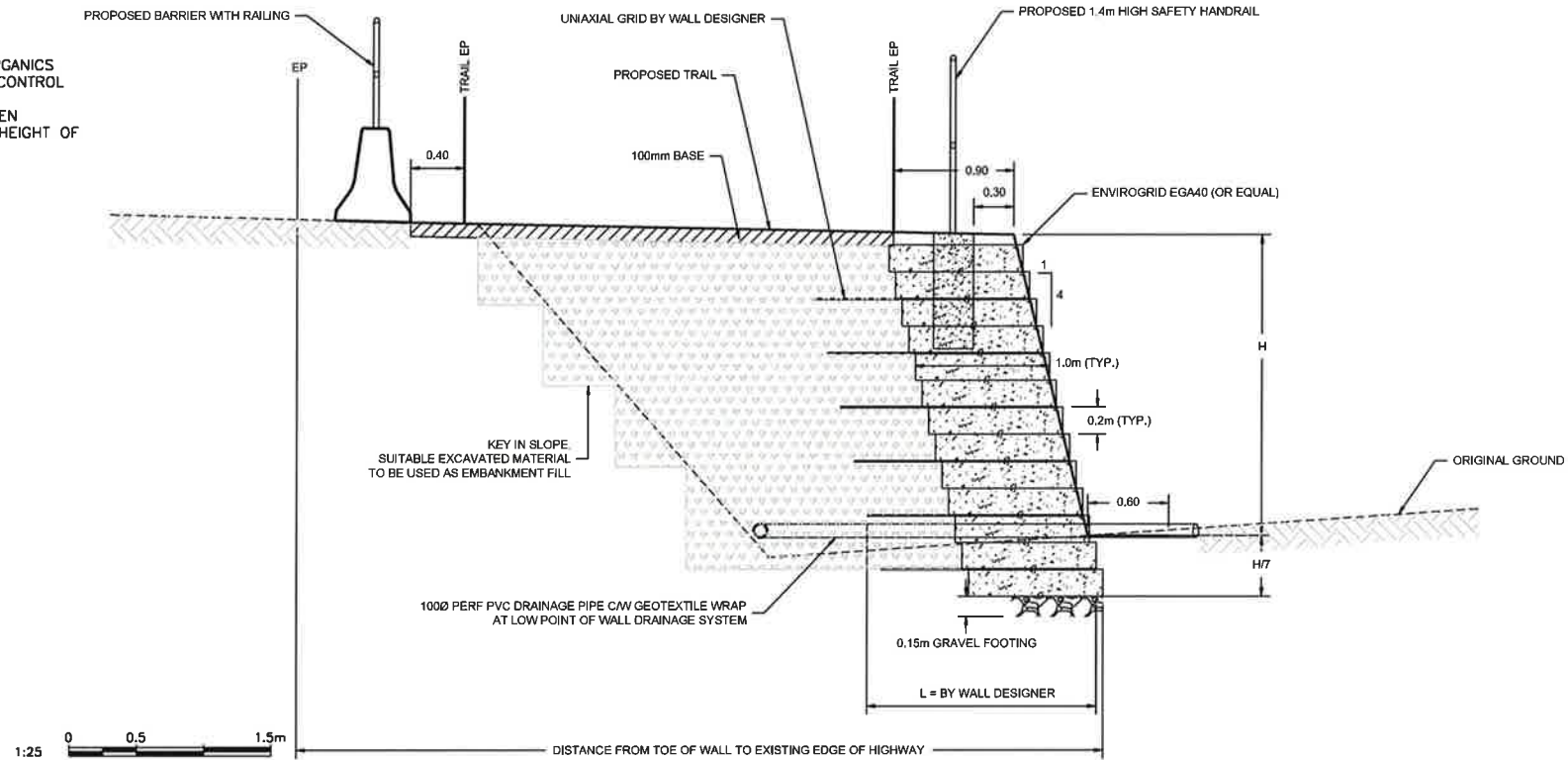


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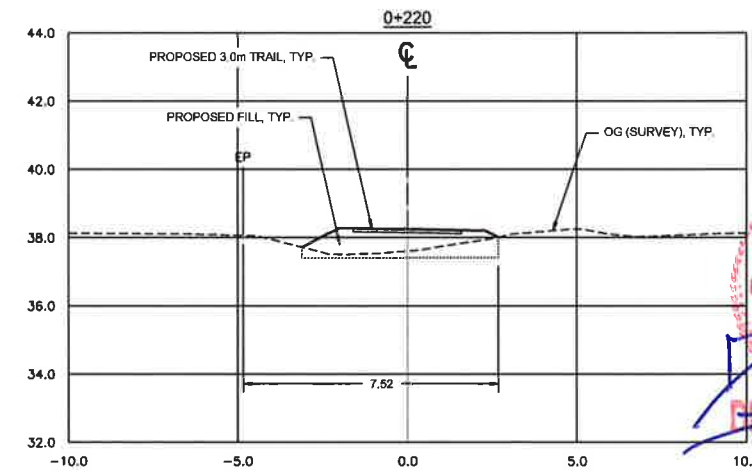
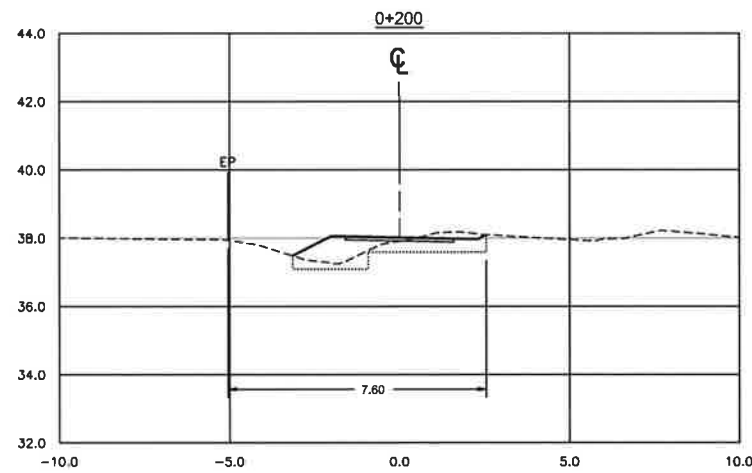
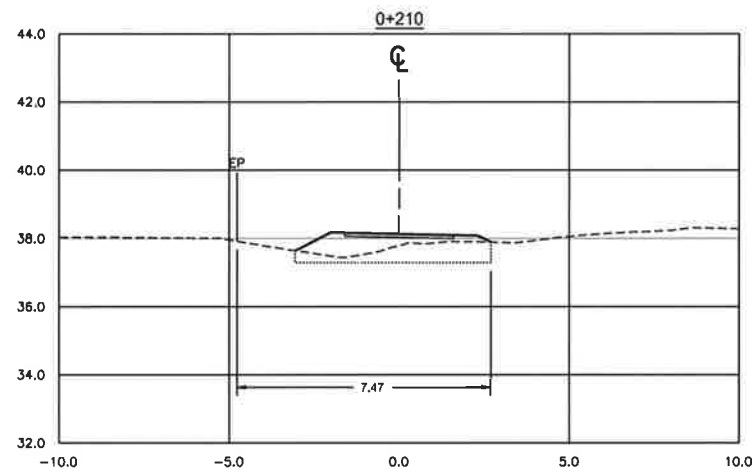
PARSONS

NOTES:

1. LOCAL STATIONING FOR RETAINING WALL
2. REINSTATE ALL SLOPES WITH NATIVE TOPSOIL/ORGANICS MATERIAL AND PROTECT SLOPES WITH EROSION CONTROL MATTING
3. CLASS 10kg RIPRAP 350mm THICK ON NONWOVEN GEOTEXTILE ALONG TOE OF RETAINING WALL TO HEIGHT OF HIGH WATER LINE PLUS 300mm



TYPICAL FILL SECTION  
1:25



SECTIONS  
1:100



Revision/	Description/Description	Date/Date
3	ISSUED FOR TENDER	11/12/2018
2	ISSUED FOR TENDER	11/11/2018
1	ISSUED FOR TENDER	05/11/2018
0	ISSUED FOR TENDER	05/10/2018

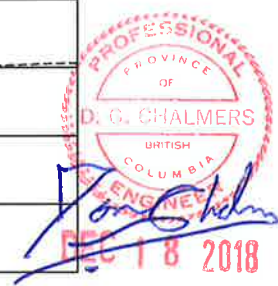
Client/Client  
Parks Canada L'Agence Parcs  
Agency Canada  
Western and Northern Region Ouest et Nord du Canada

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

Designed by/Conçu par  
DON CHALMERS / 2016-11  
Drawn by/Dessiné par  
DAVID COX / 2017-03  
PCA Project Manager/Contrôleur de Projets APC  
JACQUE HICKS

Drawing title/Titre du dessin  
?apscilk fasli (Ups-cheek ta-shee)  
"Going in the right direction on the  
trail"  
TRAIL DESIGN

Project No./No. de projet PCA #1522	Sheet / Feuille W-12.6 OF 6	Revision no./ La Révision no. 3
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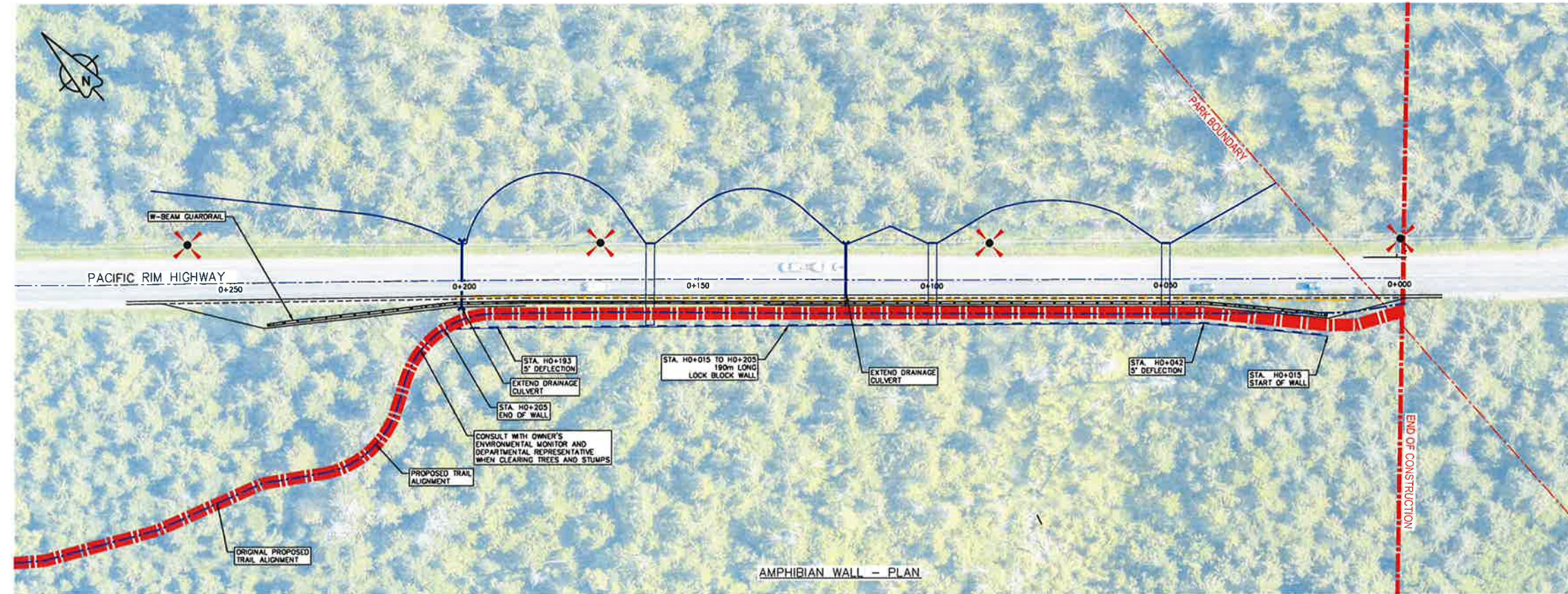


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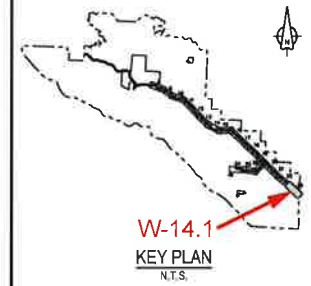




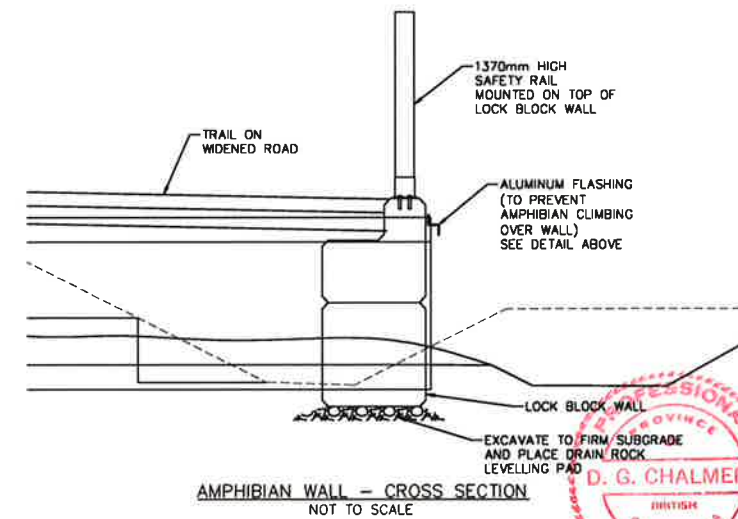
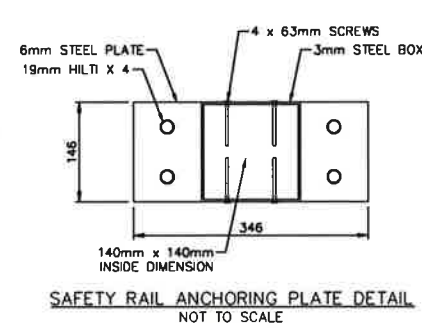
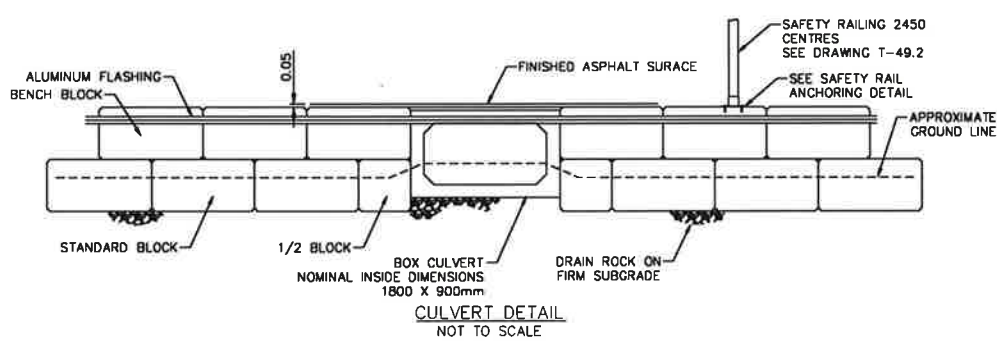
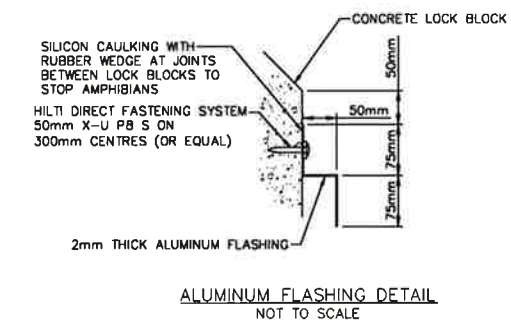
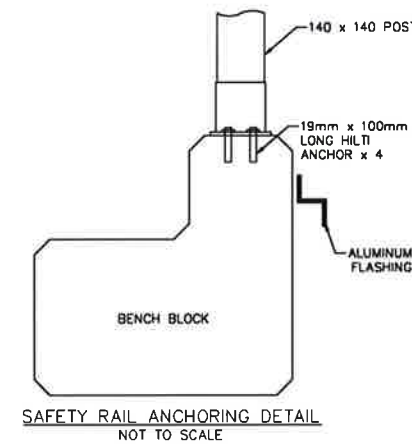
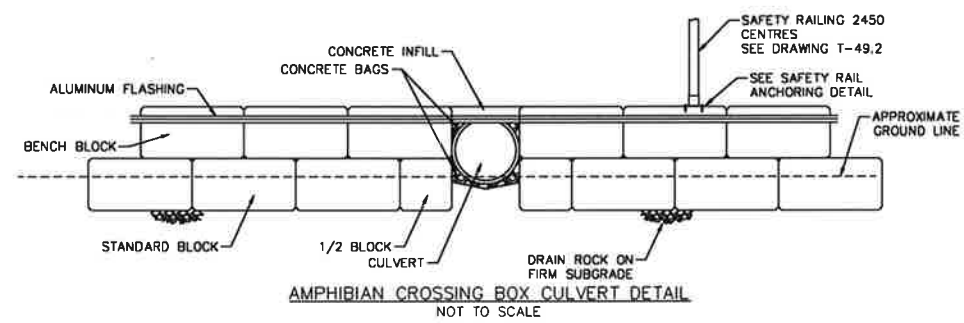
**PARSONS**



AMPHIBIAN WALL - PLAN



W-14.1  
KEY PLAN  
N.T.S.



**D. G. CHALMERS**  
PROFESSIONAL  
REGISTERED CIVIL ENGINEER  
BC  
DEC 18 2018

Version/No.	Description/Description	Date/Date
1	ISSUED FOR TENDER	18/12/2018
0	ISSUED FOR CHECK	20/11/2017

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

Project No./Titre du projet: TOFINO  
**PACIFIC RIM NATIONAL PARK RESERVE**  
**ʔapsc̓iik fas̓ii (Ups-cheek ta-shee)**  
**"Going in the right direction on the trail"**

Consultant Signature Only  
Designed by/Conçue par: DON CHALMERS / 2017-09  
Drawn by/Dessiné par: DAVID COX / 2017-09  
PCA Project Manager/Technique Authority: Administreur de Projets APC: JACKIE HICKS

Drawing title/Titre du dessin: ʔapsc̓iik fas̓ii (Ups-cheek ta-shee)  
**"Going in the right direction on the trail"**  
**CONSTRUCTION PLAN**  
**AMPHIBIAN WALL**  
HWY STA H0+015 TO H0+205

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision
PCA #1522	W-14.1 OF	1

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