Existing Culvert Schedule								
Culvert ID#	Roadway Station	Size (mm)	Туре	Culvert Category	Culvert Extension Requirement	Culvert Extension Estimated Length (m)	Fish Bearing Watercourse Crossings	Applicable Standard Drawing
D1	H21+729	1000	CSP	Α			X	
3A	H20+792	900	CSP	Α				
3	H20+737	800	CSP	С	X	1.5	X	F-2, D-3, W-1
5	H19+843	1200	CSP	Α				
5.0A	H19+575	800	CSP	Α				
6	H19+407	1200	CSP	В			X	F-3, W-2
7	H18+851	800	CSP	Α				
I-7A	H18+242	600	CSP	В				F-4
8	H18+221	1200	CSP	С	X	2	X	F-4, D-3
9	H18+072	800	CSP	Α				
10	H17+929	800	CSP	С	X	4.5	X	F-6, D-3
I-10A	H17+800	800	CSP	Α				
18	H17+053	1800	CSP	В			X	W-3
I-18A	H16+889	600	CSP	A				
I-18B	H16+735	800	CSP	A				
I-18C	H16+557	600	CSP	A			.,	144.
19	H16+472	1200	CSP	В			X	W-4
20	H16+067	1300	HDPE	C	X	3	Х	W-5
21	H15+890	1200	CSP	A				
22	H15+743	800	CSP	A				
24	H15+657	900	HDPE	A				
25	H15+553	900	CSP	A				
25A	H15+400	900	CSP	A				F-7
26	H15+260	2 x 600	CSP	A	.,	_		D 0 DI 0
25B	H15+262	2 x 600	CSP	С	X	5		D-3, PL-3
27	H15+097	600	CSP	C	X	5		D-3
28A	H14+185	600	HDPE	A				
29	H13+864	450	CSP	A				
30	H13+550	750	CSP	A				
31	H13+211	800	CSP	A				
31A 32	H12+105	500 500	CSP CSP	A				
62	H11+965 H11+529	2 x 600	CSP	Α				
61	H11+431	500	CSP	A A				
60	H10+496	800	CSP	A				
59	H9+398	1800	CSP	A B			X	
59A	H9+432	800	CSP	<u></u> А			^	
58A	H9+110	500	CSP	C	X	5	X	D-3
58 58	H8+854	500	CSP	A	^	5	^	D-3
57.1	H8+394	400	HDPE	A B				F-9, W-8
57.2	H8+382	400	HDPE	В В				F-9, W-8
57.2	H8+386	3000	CSP	В В			X	F-9, W-8
56 (ABANDONED)	H7+630	900	CSP	-			^	1 -0, **-0
56A	H7+631	1200	HDPE	C	X	2	X	F-10
54	H6+629	750	CSP	A				1 10
52	H5+700	800	CSP	A				
51	H5+131	500	CSP	A				
49	H4+655	5900 x 3700	SPCSP	В			X	F-12
48	W0+454	600	HDPE	A				· '-
47	W0+535	450	HDPE	A				
46	W0+687	600	HDPE	A				
45	W0+921	450	HDPE	A				
44	W1+373	450	HDPE	A				
43	W1+845	700	CSP	A				
41	H3+304	1200	HDPE	A				F-13
41A	H3+181	900	CSP	A				F-14
40	H2+467	800	CSP	A				
39A	H1+744	1000	CSP	A				
77	H0+785	600	CSP	A				
78	H0+201	600	CSP	С	Х	5		D-3, AC-1, W-15
79	H0+119	600	CSP	С	X	5		D-3, AC-1, W-15

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Proposed Bridge Locations					
Sheet#	Bridge ID #	Station	Length (m)	Fish Bearing Watercours Crossing	e Applicable Standard Drawing
T-3	3	H19+874	20	X	Refer to Drawing S-3.1 to S-3.11 for Bridge and Foundation Details
T-22	19 ("Lost Shoe")	H1+490	30	X	Refer to Drawing S-4.1 to S-4.11 for Bridge and Foundation Details
T-26	20	W2+612	30	X	Refer to Drawing S-5.1 to S-5.11 for Bridge and Foundation Details

	MPHIBIAN CROSSING	Applicable Stand
phibian Crossing ID	Highway Stationing	Drawing
A001	H0+252	D-4
A002	H0+243	D-4
A003	H0+267	D-4
A004	H0+314	D-4
A005	H0+326	D-4
A006	H0+346	D-4
A007	H0+358	D-4
A008	H0+412	D-4
A009	H0+427	D-4
A010	H0+451	D-4
A011	H0+461	D-4
A012	H0+525	D-4
A013	H0+563	D-4
A014	H0+601	D-4
A015	H0+631	D-4
A016	H0+666	D-4
A017	H0+695	D-4
A018	H0+710	D-4
A019	H0+752	D-4
A020	H0+868	D-4
A021	H0+893	D-4
A022	H0+917	D-4
A023	H0+947	D-4
A024	H0+969	D-4
A025	H0+988	D-4
A026	H1+063	D-4
A027	H1+089	D-4
A028	H1+147	D-4
A029	H1+156	D-4
A030	H1+170	D-4
A031	H1+223	D-4
A032	H1+254	D-4
A033	H1+363	D-4
A034	H1+404	D-4
A035	H5+712	D-4
A036	H5+693	D-4
A037	H5+679	D-4
A038	H6+146	D-4
A039	H6+203	D-4
A040	H9+833	D-4
A041	H9+727	D-4
A042	H9+663	D-4
A043	H10+111	D-4
A044	H10+269	D-4
A045	H10+290	D-4
A046	H10+327	D-4
A047	H10+348	D-4
A048	H11+189	D-4
A049	H11+170	D-4
A050	H11+129	D-4
A051	H11+400	D-4
A052	H11+586	D-4
A053	H19+054	D-4
A054	H17+900	D-4
A055	H17+127	D-4
A056	H17+639	D-4
A057	H17+305	D-4
A058	H20+477	D-4
A059	H20+616	D-4
A060	H20+577	D-4

Elevated Trail Sections within Wetland Zones						
Sheet#	Starting Station	Ending Station	Section Length (m)	Notes	Applicable Standard Drawing	
T-2	H20+090	H20+036	55	See Note on drawing T-2 for remediation instructions	S-2.1 - S-2.5	
T-3	H19+716	H19+678	38		S-2.1 - S-2.5	
T-4	H18+878	H18+848	38		S-2.1 - S-2.5	
T-4	H18+719	H18+597	132		S-2.1 - S-2.5	
T-10	H12+528	H12+493	35		S-2.1 - S-2.5	
T-16	H6+679	H6+612	67		S-2.1 - S-2.5	
		Total	365		S-2.1 - S-2.5	

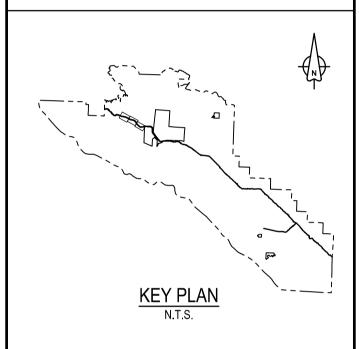
- 1. ALL STATIONING IS HIGHWAY (H) OR WICK ROAD (W) STATIONING UNLESS OTHERWISE NOTED
- 2. ALL CULVERTS TO BE 600mm DIA HDPE UNLESS OTHERWISE SHOWN IN ACCORDANCE WITH DRAWING D-5 3. AMPHIBIAN CROSSINGS TO BE 1800 X 1200 BOX CULVERTS IN ACCORDANCE WITH DRAWING D-4 UNLESS OTHERWISE SHOWN
- 4. BOX CULVERTS TO BE IN ACCORDANCE WITH DRAWING D-7
- 5. CULVERT EXTENSIONS TO BE IN ACCORDANCE WITH DRAWING D-3 AND/OR FISHERIES DRAWING F-1 TO F-15 6. FOR DETAIL OF 'IMPACTED AREA BELOW HIGH WATER MARK' AND 'CHANGE PROTECTION AREA' SEE DRAWING D3.
- 7. THE EXISTING CULVERT CATEGORIES IN THE TABLE ARE DEFINED BELOW:
 - TYPE A: THE EXISTING CULVERT IS LOCATED MORE THAN 5m AWAY FROM THE TRAIL CORRIDOR AND NO EXTENSION IS REQUIRED TYPE B: THE TRAIL CROSSES THE EXISTING CULVERT, AND THE EXISTING CULVERT IS NOT IMPACTED OR EXTENDED TYPE C: THE TRAIL CROSSES THE CULVERT, AND THE EXISTING CULVERT IS EXTENDED AS SHOWN IN THE TABLE
- 8. APPROXIMATE HIGHWAY STATION FOR AMPHIBIAN CROSSINGS ARE PROVIDED. EXACT LOCATIONS SHALL BE AGREED ON SITE BETWEEN THE OWNER'S ENVIRONMENTAL MONITOR AND DEPARTMENTAL REPRESENTATIVE.
- 9. CULVERTS AND BRIDGES NOTED AS FISH BEARING WATERCOURSE CROSSINGS ARE LOCATED ALONG FISH BEARING WATERCOURSES OR ARE CONNECTED BY SURFACE FLOW TO FISH BEARING (OR ASSUMED FISH BEARING) HABITAT. SPECIAL TIMING RESTRICTIONS AND MITIGATION MEASURES WILL APPLY AS PER 01 35 43 ENVIRONMENTAL PROCEDURES. MITIGATION MEASURES FOR FISH BEARING WATERCOURSE
- 9.1. INSTREAM WORKS TO ONLY PROCEED FOLLOWING REVIEW BY DEPARTMENT OF FISHERIES AND OCEANS CANADA. REVIEW TO BE SECURED BY OTHERS
- 9.2. OWNER'S ENVIRONMENTAL MONITOR MUST BE PRESENT DURING ALL INSTREAM WORKS BY CONTRACTOR
- 9.3. 10 DAYS NOTICE TO BE PROVIDED TO DEPARTMENTAL REPRESENTATIVE TO ALLOW FOR SALVAGE AND RELOCATION OF FISH &
 - AMPHIBIANS BY OWNER'S ENVIRONMENTAL MONITOR, AS NEEDED.

CROSSINGS ARE LISTED BELOW:

9.4. ALL WORK WITHIN THE HIGH WATER MARK TO BE COMPLETED DURING FISHERIES WINDOWS NOTED IN SECTION 01 35 43 9.5. INSTERAM WORKS TO BE APPROPRIATELY ISOLATED FROM STREAM FLOWS. WATER TO BE DIVERTED USING A METHOD APPROVED BY THE OWNER'S ENVIRONMENTAL MONITOR.



PARSONS



Revision/ Revision	Description/Description	Date/Date
0	ISSUED FOR TENDER	27/10/2017
1	ISSUED FOR TENDER	16/11/2018
2	ISSUED FOR TENDER	18/12/2018
-		
-		
-		

Parks Canada Agency

Client/client

Canada Western and Ouest et Nord Northern Region du Canada

L'Agence Parcs

Project title/Titre du projet **TOFINO**

PACIFIC RIM NATIONAL PARK RESERVE ?apsciik ťasii (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/Dessine par

DAVID COX / 2016-11

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

Drawing title/Titre du dessin

Papsciik tasii (Ups-cheek ta-shee) "Going in the right direction on the trail" TRAIL DESIGN

EXISTING CULVERTS, PROPOSED AMPHIBIAN CROSSINGS, PROPOSED BRIDGES AND ELEVATED TRAIL SECTIONS

Project No./No. du projet PCA #1522 OF