



- GENERAL NOTES:
1. TOPOGRAPHIC SURVEY DATA TAKEN FROM THE NATIONAL TOPOGRAPHIC DATA BASE.
 2. CONTOUR INTERVAL - 20m.
 3. COVER ALL DISTURBED AREAS WITH STRAW MULCH UNLESS OTHERWISE NOTED.
 4. FOR TYPICAL SECTIONS OF EACH AREA, SEE DWG L2.
 5. FOR AREA LOCATION COORDINATES SEE SCHEDULE 2.

- LEGEND:
- EXISTING TRAIL TO REMAIN
 - EXISTING WATER COURSE
 - EXISTING CONTOURS
 - WC00 WET CROSSING
 - DS00 DRAINAGE SWALE
 - GR00 GRADE REVERSAL
 - EROSION CONTROL MAT - 15% SLOPE OR GREATER
 - HIGH WATER TABLE
 - AREA BOUNDARY
 - BASE CONTRACT AREA
 - OPTIONAL AREA

SCHEDULE 1 - DRAINAGE STRUCTURES

	EXISTING CULVERT/WET CROSSING		NEW DRAINAGE SWALE		LEGEND: WET CROSSING (WC) DRAINAGE SWALE (DS) GRADE REVERSAL (GR)	
	NORTHING	EASTING	MIN. RIP RAP SIZE (D ₅₀)	SWALE BOTTOM WIDTH (B)		
DS1	5045805.60	341346.12	81mmDia. X 6m CSP	400mm	1.5m	DS
DS2	5045779.77	341246.50	Box culvert	200mm	0.5m	DS
DS3	5045700.83	340970.88	Box culvert	200mm	0.5m	DS
DS4	5045951.16	340578.49	460mmDia. X 4.9m CSP	250mm	1.0m	DS
DS5	5046074.76	340509.51	Box culvert	200mm	1.0m	DS
W 80 Bridge	5046231.10	340446.50	Wooden Bridge			
WC1	5046197.02	340444.94	WET CROSSING			WC
WC2	5046194.43	340428.47	WET CROSSING			WC
WC3	5046178.08	340420.09	WET CROSSING			WC
WC4	5046155.54	340414.59	WET CROSSING			WC
DS6	5046123.34	340400.26	460mmDia. X 4.9m CSP	200mm	0.5m	DS
DS7	5046038.43	340342.64	200mmDia. X 3.0m CSP	200mm	0.5m	DS
DS8	5046016.77	340311.15	200mmDia. X 4.9m CSP	200mm	0.5m	DS
DS9	5045979.86	340206.80	200mmDia. X 4.9m CSP	200mm	0.5m	DS
DS10	5046005.67	340053.81	200mmDia. X 4.9m CSP	200mm	0.5m	DS
DS11	5046088.66	339981.97	460mmDia. X 6.4m CSP	250mm	1.0m	DS
DS12	5046016.77	340311.15	200mmDia. X 4.9m CSP	200mm	0.5m	DS
DS13	5045979.86	340206.80	200mmDia. X 4.9m CSP	200mm	0.5m	DS
DS14	5046005.67	340053.81	200mmDia. X 4.9m CSP	200mm	0.5m	DS
DS14.5	5046088.66	339981.97	460mmDia. X 6.4m CSP	250mm	1.0m	DS
W 81 Bridge	5046231.10	339870.60	Wooden Bridge			
WC5	5046209.00	339870.00	WET CROSSING			WC
WC6	5046193.00	339842.56	WET CROSSING			WC
WC7	5046179.00	339863.00	WET CROSSING			WC
WC8	5046168.00	339856.00	WET CROSSING			WC
DS15	5046147.36	339842.56	610mmDia. X 5.5m HDPE (2)	500mm	1.7m	DS
DS16	5046051.60	339766.07	610mmDia. X 7.3m HDPE	500mm	1.0m	DS
GR1	5045971.00	339635.00				GR
GR2	5045925.00	339573.00				GR
DS17	5045843.98	339473.54	760mmDia. X 6.4m CSP	500mm	1.5m	DS
GR3	5045832.00	339476.00				GR
DS18	5045705.17	339458.65	Box culvert	200mm	0.5m	DS
DS19	5045609.31	339408.00	200mmDia. X 4.9m CSP	200mm	1.0m	DS
DS20	5045514.35	339339.48	Box culvert	200mm	0.6m	DS
GR4	5045445.00	339277.00				GR
GR5	5045418.00	339256.00				GR
GR6	5045398.00	339239.00				GR
GR7	5045382.00	339221.00				GR
GR8	5045366.00	339202.00				GR
DS21	5045348.14	339192.42	200mmDia. X 4.9m CSP	200mm	0.5m	DS
DS22	5045244.17	339098.35	460mmDia. X 6.0m CSP	200mm	1.0m	DS
DS23	5045206.60	339085.12	200mmDia. X 2.4m CSP	200mm	0.5m	DS
DS24	5045144.80	339050.57	200mmDia. X 4.9m CSP	200mm	0.5m	DS
DS25	5045065.93	339021.74	200mmDia. X 4.0m CSP	200mm	0.5m	DS
DS26	5044976.73	338936.80	200mmDia. X 4.0m CSP	250mm	1.0m	DS
DS27	5044863.23	338832.94	610mmDia. X 6.0m HDPE	200mm	1.0m	DS
DS28	5044626.10	338622.90	Box culvert	200mm	0.5m	DS
DS29	5044522.43	338546.12	Box culvert	200mm	0.5m	DS
DS30	5044448.97	338217.56	460mmDia. X 3.3m CSP	250mm	1.0m	DS
DS31	5044433.10	338182.15	Box culvert	200mm	0.5m	DS
DS32	5044424.13	338185.05	Box culvert	200mm	0.5m	DS
DS33	5044386.05	338131.40	Box culvert	200mm	0.5m	DS
DS34	5044327.50	337936.67	Box culvert	200mm	0.5m	DS
DS35	5044281.79	337877.12	Box culvert	200mm	0.5m	DS
DS36	5044144.89	337586.99	Box culvert	200mm	0.5m	DS
DS37	504390.35	337381.78	Box culvert	200mm	0.5m	DS
DS38	504389.13	337283.30	Box culvert	200mm	0.5m	DS
DS39	504369.58	336964.67	Box culvert	200mm	0.5m	DS

SCHEDULE 2 - AREA COORDINATES

AREA BOUNDARY	NORTHING	EASTING
AREA 1/2	5045724.50	340932.86
AREA 2/3	5045792.19	340824.15
AREA 3/4	5045879.91	340683.28
AREA 4/5	5045930.08	340602.71
AREA 5/6	5046017.65	340557.26
AREA 6/7	5045981.62	340210.88
AREA 7/8	5046005.78	340053.17
AREA 8/9	5046273.49	339879.62
AREA 9/10	5046045.34	339748.63
AREA 10/11	5045959.93	339631.90
AREA 11/12	5045820.47	339466.97
AREA 12/13	5045574.18	339378.21
AREA 13/14	5045261.16	339112.76
AREA 14/15	5044962.55	338929.22
AREA 15/16	5044586.50	338592.68
AREA 16/17	5044185.23	337116.33
AREA 17/18	5044110.44	337600.82
AREA 18/19	5043806.45	337131.28
AREA 19/20	5043547.56	336731.41

DRAINAGE STRUCTURE NOTES:

1. ALL EXISTING TIMBER BOX CULVERTS 400MM SQ. X 5M LONG.
2. ALL EXISTING CULVERTS TO BE REMOVED OFF-SITE AND REPLACED WITH RIP RAP DRAINAGE SWALE AS PER DETAIL H/L3 AS NOTED (SCHEDULE 1).
3. RIP RAP SIZE - MIN. 200mm MEDIAN DIAMETER UNLESS OTHERWISE NOTED.
4. SWALE BOTTOM WIDTH - MIN. 500mm UNLESS OTHERWISE NOTED.
5. REMOVAL OF CULVERTS 300MM Dia. OR LESS:
 1. CHANNEL BOTTOM SLOPES LESS THAN 1% - NO RIP RAP REQUIRED.
 2. CHANNEL BOTTOM SLOPES 1% OR GREATER, INSTALL MIN. 200MM Dia. RIP RAP.
 3. MINIMUM CHANNEL BOTTOM WIDTH TO BE 0.5 M OR THE EXISTING CHANNEL BOTTOM WIDTH UPSTREAM AND DOWNSTREAM - WHICHEVER IS GREATER.
6. EXISTING WET CROSSINGS:
 - REMOVE STONE
 - REGRADE/REMOVE SURFACE FINES TO ENSURE POSITIVE DRAINAGE.
 - REINSTALL STONE
7. NEW RIP RAP DRAINAGE SWALES:
 1. MINIMUM RIP RAP THICKNESS - 1.5X_{D₅₀}.
 2. DRAINAGE CHANNELS AT CULVERT CROSSINGS TO BE EXCAVATED AND EXHUMED DOWN TO THE STREAM BED, WITH A CHANNEL BED EQUAL TO OR GREATER THAN THE EXISTING CHANNEL ABOVE AND BELOW THE CROSSING, BUT NOT LESS THAN THE MINIMUM WIDTH (SEE SCHEDULE 1).
 3. THE UPSTREAM AND DOWNSTREAM ENDS OF RIP RAP DRAINAGE SWALES ARE TO BE PROTECTED AGAINST EROSION BY INCREASING RIPRAP THICKNESS OR EXTENDING THE SWALE TO NON-ERODING VELOCITIES AND STABLE CHANNEL SECTIONS. A SMOOTH TRANSITION IS TO BE PROVIDED AT THE UPSTREAM AND DOWNSTREAM ENDS. DEPARTMENTAL REPRESENTATIVE WILL PROVIDE SITE SPECIFIC DETAILS DURING CONSTRUCTION.
8. GRADE REVERSALS:
 1. KEY GRADE REVERSALS (GR) NOTED ON PLAN. ALL OTHER GRADE REVERSAL LOCATIONS AS INDICATED IN AREA SECTIONS DWG. L2.
 2. EXACT LOCATIONS OF NEW GRADE REVERSALS WITHIN EACH AREA TO BE IDENTIFIED ON SITE AND APPROVED BY DEPARTMENTAL REPRESENTATIVE.
9. CONTRACTOR TO PROVIDE AS-BUILT DRAWINGS WITH COORDINATES OF ALL DRAINAGE STRUCTURES.

revision	description	date
5	RE-ISSUED FOR TENDER	July 26, 2018
4	ISSUED FOR TENDER	July 4, 2018
3	RE-ISSUED FOR 99% REVIEW	June 15, 2018
2	RE-ISSUED FOR 99% REVIEW	April 25, 2018
1	ISSUED FOR 99% REVIEW	Feb. 13, 2018
0	ISSUED FOR 66% REVIEW	Nov. 17, 2017

FUNDY NATIONAL PARK GOOSE RIVER TRAIL DECOMMISSIONING

project	project
drawing	design
SITE PLAN	
designed Kevin Conley	conçu
date April 2018	
drawn TM	dessiné
date April 2018	
approved K. Conley	approuvé
date July 26, 2018	
Tender	Soumission
PWSSC Project Manager	Administrateur de projets TPSSC
project number	no. du projet
R.086382.001	
drawing no.	no. du dessin
L1	