





ANY PURPOSE EXCEPT BY THE WRITTEN PERMISSION OF

AECOM CANADA LTD.



}	21/06/14	ISSUED FOR ADDENDUM 2	JOM/LP	AS	JOM/LP			
<u>۱</u>	21/04/30	ISSUED FOR TENDER	JOM/LP	AS	JOM/LP			
R	YY/MM/DD	ISSUE/REVISION DESCRIPTION	DRN	СНК	DES	ENG	IDR	APP









![](_page_2_Picture_11.jpeg)

![](_page_3_Figure_0.jpeg)

![](_page_3_Figure_1.jpeg)

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![](_page_3_Figure_2.jpeg)

![](_page_3_Picture_3.jpeg)

ST UNDER TIES )	
AST (300 mm MIN.) 0 0.25 0.50 0.75 1.25	<u>PLAN</u>
NEW 81.20 m LONG. 02400 mm CONCRETE CULVERT @ 0.99% SLOPE (CULVERT TO BE DESIGNED BY CONTRACTOR) EXISTING GROUND	
NEW 81.20 m LONG, Ø2400 mm CONCRETE CULVERT @ 1.0% SLOPE (CULVERT TO BE DESIGNED BY CONTRACTOR) NOTCH DEPTH = 250 mm FLOW - FLOW	mm
E, 500 mm HIGH CONCRETE 35 Mpa CLASS C1 ITH 15 m SPACING DETAIL 3 - CONCRETE BAFFLE ELE	EVATION
	REGION   SUBDIVISION   MILE     -   HALTON   38.72 - 40.98     CN PROJECT NO.   CN DRAWING NO.
Image: State of the state	LOGISTICS HUB - HALTON SUBDIVISION - PHASE 1 AINLINE TRACKS ARRANGEMENT OF CULVERT 7 AND TRIBUTARY C REALIGNMENT
A 21/04/30 ISSUED FOR TENDER JOM/LP AS JOM/LP JOM/LP AS JOM/LP JOM/LP JOM/LP JOM/LP	DJECT NUMBER DRAWING NUMBER ISSUE/REVISION <b>0579933 01-R-2607 A</b>

![](_page_4_Figure_1.jpeg)

В	21/06/14	ISSUED FOR ADDENDUM 2	OP/LP	AS	JR/LP	LB		
А	21/04/30	ISSUED FOR TENDER	OP/LP	AS	JR/LP	LB		
I/R	YY/MM/DD	ISSUE/REVISION DESCRIPTION	DRN	СНК	DES	ENG	IDR	APP

![](_page_5_Figure_0.jpeg)

D SIZE 22" x 34" (558.8mm x 863.6mn

![](_page_6_Figure_0.jpeg)

![](_page_6_Figure_1.jpeg)

AND MAY NOT BE REPRODUCED IN ANY MANNER, OR FOF

ANY PURPOSE EXCEPT BY THE WRITTEN PERMISSION OF

AECOM CANADA LTD.

В	21/06/18	ISSUED FOR ADDDENDUM 2	LP	AS	LP			
А	21/04/30	ISSUED FOR TENDER	LP	AS	LP			
I/R	YY/MM/DD	ISSUE/REVISION DESCRIPTION	DRN	СНК	DES	ENG	IDR	APP

![](_page_6_Picture_4.jpeg)

	BACKFILL MA CULVERT PR	TERIAL FOR OTECTION	REIN EXISTING EL	ISTATE DITCH .176.66	0.4	EX. MAINLINE SOUTH	EX. MAINLINE NORTH	E EXI GR	STING - OUND
				173 884		XCAVATION			- TRACKS
SECTION INSTAL CONCE (FOR C 01-R-20	38.13 – ON 1 OF CULVERT 7 LL SECTION OF NEW & RETE CULVERT @0.96 CULVERTS INSTALLATI 604, 01-R-2605 AND 01	02400mm %,SŁORE (L= ON DETAILS -R-2606)	38.13m) SEE DWG.	01-R-1603,			ORARILY CA	P THE END	OF

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NOTE	<u>S:</u>	
1.	IN-W WINE	ATER WORKS MUST ONLY OCCUR DURING THE DFO IN-WATER WORKS DOW
	(I.E.,	NO IN-WATER WORKS BETWEEN MARCH 15 AND JUNE 30 INCLUSIVE).
2.	MAIN	TAIN FLOW IN TRIBUTARY C FOR AS LONG AS POSSIBLE WITHOUT
	DIST	URBANCE.
3.	ALL A	ACTIVITIES OF MONITORING AND CONTROL OF FISH SALVAGE SHALL B
	COO	RDINATED WITH CN ENVIRONMENTAL MONITOR.
PHAS	SE 1:	
	a.	PROTECT EXISTING LIVE TRACKS, TRACKS SHOULDER AND EXISTING
		TRACKS BED.
	b.	CONSTRUCT CULVERT EXTENSION .DURING CONSTRUCTION THE
		CULVERT EXTENSION THE WATER FLOW WILL BE PUMPED AT THE EXISTING CULVERT OUTLET.

- c. CONSTRUCT SECTION 1 OF CULVERT 7 AND CAP BOTH ENDS OF NEW SECTION UNTIL THE EXISTING TRACKS ARE DIVERTED AND THE WORK OF THE NEXT PHASE IS COMMENCED.
- d. REFER TO DRAWING 01-R-1603 FOR THE COMPLETE DETAILS OF THE NEW CULVERT 7 AND TRIBUTARY C REALIGNMENT. THE GRADING LIMITS FOR THE TEMPORARY STAGE OF THE CULVERT e. SHOWN IN THE DRAWINGS ARE APPROXIMATE; THE CONTRACTOR MAY NEED TO ADJUST THOSE GRADING LIMITS TO ENSURE POSITIVE

## **PLAN - PHASE 1 : INSTALLATION OF TEMPORARY CULVERT EXTENSION AND INSTALLATION OF FIRST SECTION OF CULVERT 7**

DRAINAGE AT ALL TIMES.

![](_page_6_Figure_13.jpeg)

GRADING AND DRAINAGE CONSTRUCTED UNDER PREVIOUS PHASES

TEMPORARILY PROTECTED AREA - WORK PERMITTED WITH CONDITIONS AND APPROVAL OF CN ENVIRONMENTAL MONITOR

	REGION	SUBDIVISION	MILE
	-	HALTON	38.72 - 40.98
	CN PROJECT NO.	CN DRAWING NO.	
	-	-	
<b>CN</b> MILTON LOGISTIC GENERAL DRAWI	S HUB - HALTON S	SUBDIVISION - PH	ASE 1

**EROSION AND SEDIMENT CONTROL PLANS CULVERT 7 INSTALLATION AND TRIBUTARY C REALIGNMENT - PHASE 1** PROJECT NUMBER DRAWING NUMBER

60579933

G-1019

**ISSUE/REVISION** Β

![](_page_7_Figure_0.jpeg)

NORTH - ERVICE		DN DIVERSION IE MAINLINE I NORTH	MATCH EXISTING GROUND		EX. MAINLINE SOUTH	EX. MAINLINE NORTH	EXIS GRC	STING - DUND	185
								-	
			V. EL. 173.884		EXISTING T EXISTING S NOT IN SEF TRANSFER	RACKS TO BE OUTH AND NO VICE AND RA RED TO THE	E REMOVED ORTH TRAC ILWAY TRA	D AFTER CKS ARE AFFIC IS D NORTH	- 175 - 170
		CULVERT INSTALLED UN	<u>/</u> NDER PHASE 1)		DIVERSION	MAINLINE TR	ACKS	BNORTH	405
OR DI	VERS	SION TRACKS	S AT NEW	/ CUL	VERT	7	1		- 165
VERSION DIV IAINLINE M	/ERSION AINLINE								185
SOUTH N	JORTH		E> MAIN SOL	K. LINE MAI JTH NO	EX. INLINE DRTH				
						ORIGINAL GROUND		74.000	180
•							- INV EL. I		175
			EXISTI SOUTH RAILW	NG TRACKS I AND NORT AY TRAFFIC ORTH DIVE	TO BE REN TH TRACKS IS TRANSF	10VED AFTER ARE NOT IN S ERRED TO TH	LEXISTING ERVICE AN E SOUTH	ID	170
				ORTHDIVE			,		165
	/ERS	ION TRACKS	AT EXIS	TING	CULVE	ERT	1		
							٦		
I-WATER W .E., NO IN-V	ORKS M	UST ONLY OCCUR D /ORK BETWEEN MAR	URING THE DFO	D IN-WATE	ER WORKS _USIVE).	S WINDOW			
IAINTAIN FI ISTURBAN LL ACTIVIT	LOW IN T CE. IES OF M ED WITH	RIBUTARY C FOR AS IONITORING AND CO LCN ENVIRONMENTA	LONG AS POS NTROL OF FISH	SIBLE WIT H SALVAG	FHOUT <sup>'</sup> E Shall e	BE			
<u>2:</u> a. LOWER	BASELIN	V V V	AFFIC	$\checkmark$	$\checkmark$	$\checkmark$			
b. CONSTI DIVERS c. DURING	RUCT FIN ION MAIN 5 THIS CO	IAL AND TEMPORAR` NLINE TRACKS. DNSTRUCTION STAGI	Y GRADING ANI	D DRAINA G TRIBUT/	GE FOR N ARY C FLO	EW OW WILL			
BE THR d. AFTER DIVERS	ough th Grading Ion trai	HE EXTENDED EXIST G AND DRAINAGE HA' CKS ARE IN SERVICE	ING CULVERT II VE BEEN / ARE E REMOVE EXIS	NSTALLEI COMPLET TING TRA	D DURING FED AND N CKS AND	PHASE 1 IEW START			
PHASE e. THE GR THE DR THOSE	3 OF CUL ADING LI AWINGS GRADIN(	VERT 7 INSTALLATION IMITS FOR THE TEMF ARE APPROXIMATE; G LIMITS TO ENSURE	ON PORARY STAGE THE CONTRAC POSITIVE DRA	OF THE OF THE OF TOR MAY	CULVERT NEED TO ALL TIME	SHOWN IN ADJUST S.			
$\frown \frown$		B							
<u>:</u>									
	TEMPOR	RARY GRADING AND	DRAINAGE						
	GRADIN	G AND DRAINAGE CO	NSTRUCTED L	JNDER PF	REVIOUS F	HASES			
+ + +	EROSIO	N CONTROL BLANKE	TS ON SLOPES	65+300	TO 65+750	OUTSIDE L	OWER B	ASE LINE	E)
	TEMPOF CONDIT	RARILY PROTECTED	AREA - WORK L OF CN ENVIR	PERMITTI ONMENTA	ED WITH AL MONITC	DR			
			REGION	FCT NO	SUB HA	DIVISION		MILE 38.72 - 40	0.98
					=				
		MILTON LOGI GENERAL DR	STICS HUB AWINGS			BDIVISIO	N - PH <i>I</i>	ASE 1	
		CULVERT 7 INS				REALIGN	IMENT -	PHASE	2
		605799	)33		<b>G-1</b>	)20	153	B	οUΝ
		-							

![](_page_8_Figure_0.jpeg)

![](_page_8_Figure_1.jpeg)

![](_page_8_Figure_2.jpeg)

![](_page_8_Figure_3.jpeg)