



CLARENDON & PITTSFORD RAIL ALIGNMENT

PROJECT NAME: Z12B138
 DESCRIPTION: VT30 MATCH
 HORIZONTAL ALIGNMENT NAME: RAIL CL
 DESCRIPTION: MATCH EXISTING
 STYLE: ALIGN1

	STATION	NORTHING	EASTING
ELEMENT: LINEAR			
POB	588+00.00	403257.6281	1451266.5376
PC	592+77.61	403280.7309	1451743.5902
TANGENT DIRECTION:	N 87° 13' 38.76" E		
TANGENT LENGTH:	483.19		
ELEMENT: CIRCULAR			
PC	592+77.61	403280.7309	1451743.5902
PI	592+80.54	403280.8725	1451746.5136
CC	592+83.54	413269.0251	1451259.8748
PT	592+83.54	403281.0158	1451749.4370
RADIUS:	10000.00		
DELTA:	0° 02' 00.74" LEFT		
DEGREE OF CURVATURE (ARC):	0° 34' 22.65"		
LENGTH:	5.85		
TANGENT:	2.93		
CHORD:	5.85		
MIDDLE ORDINATE:	0.00		
EXTERNAL:	0.00		
ELEMENT: LINEAR			
PT	592+83.47	403281.0158	1451749.4370
TS	597+85.80	403305.6084	1452251.1725
TANGENT DIRECTION:	N 87° 11' 38.02" E		
TANGENT LENGTH:	502.34		

	STATION	NORTHING	EASTING
ELEMENT: CLOTHOID			
TS	597+85.80	403305.6084	1452251.1725
SPI	599+19.15	403312.1363	1452384.3545
SC	599+85.80	403317.7346	1452450.7935
ENTRANCE RADIUS:	0.00		
EXIT RADIUS:	2850.00		
LENGTH:	200.00		
ANGLE:	2° 00' 37.36" LEFT		
CONSTANT:	754.98		
LONG TANGENT:	133.34		
SHORT TANGENT:	66.67		
LONG CHORD:	199.99		
XS:	199.98		
YS:	2.34		
P:	0.58		
K:	100.00		
ELEMENT: CIRCULAR			
SC	599+85.80	403317.7346	1452450.7935
PI	603+85.74	403351.3147	1452849.3132
CC	607+80.48	406157.6705	1452211.4946
CS	607+80.48	403493.2841	1453223.1986
RADIUS:	2850.00		
DELTA:	15° 58' 33.49" LEFT		
DEGREE OF CURVATURE (ARC):	2° 00' 37.36"		
LENGTH:	794.67		
TANGENT:	399.93		
CHORD:	792.10		
MIDDLE ORDINATE:	27.65		
EXTERNAL:	27.92		

	STATION	NORTHING	EASTING
ELEMENT: CLOTHOID			
CS	607+80.48	403493.2841	1453223.1986
SPI	608+47.15	403516.9524	1453285.5307
ST	609+80.48	403568.6306	1453408.4512
ENTRANCE RADIUS:	2850.00		
EXIT RADIUS:	0.00		
LENGTH:	200.00		
ANGLE:	2° 00' 37.36" LEFT		
CONSTANT:	754.98		
LONG TANGENT:	133.34		
SHORT TANGENT:	66.67		
LONG CHORD:	199.99		
XS:	199.98		
YS:	2.34		
P:	0.58		
K:	100.00		
ELEMENT: LINEAR			
ST	609+80.48	403568.6306	1453408.4512
POE	611+00.00	403612.7901	1453513.4879
TANGENT DIRECTION:	N 67° 11' 49.80" E		
TANGENT LENGTH:	119.52		

PROJECT NAME:	CASTLETON
PROJECT NUMBER:	BRF 015-2(10)
FILE NAME:	z12b138allgn_rail.dgn
PROJECT LEADER:	S.E. BURBANK
DESIGNED BY:	E.A. FIALA
RAIL ALIGNMENT LAYOUT SHEET	
PLOT DATE:	9/19/2014
DRAWN BY:	C.J. HAKEY
CHECKED BY:	S.E. BURBANK
SHEET	15 OF 82

