



### VT 125 ALIGNMENT

Horizontal Alignment Name: VT 125

	STATION	NORTHING	EASTING
Element: Circular			
PC	254+37.91	520689.5179	1538424.5009
PI	255+96.35	520631.7075	1538572.0146
CC		521341.2562	1538679.9165
PT	257+49.54	520643.0534	1538730.0449
Radius:	700.00		
Delta:	25°30'24.26" Left		
Degree of Curvature (Arc):	8°11'06.40"		
Length:	311.62		
Tangent:	158.44		
Chord:	309.06		
Middle Ordinate:	17.27		
External:	17.71		
Element: Linear			
PT	257+49.54	520643.0534	1538730.0449
PC	258+87.06	520652.9021	1538867.2195
Tangent Direction:	N 85°53'36.33" E		
Tangent Length:	137.53		
Element: Circular			
PC	258+87.06	520652.9021	1538867.2195
PI	260+28.27	520663.0140	1539008.0613
CC		519555.7262	1538945.9926
PT	261+67.94	520637.2252	1539146.8907
Radius:	1100.00		
Delta:	14°37'47.40" Right		
Degree of Curvature (Arc):	5°12'31.35"		
Length:	280.87		
Tangent:	141.20		
Chord:	280.11		
Middle Ordinate:	8.95		
External:	9.03		

### CHANNEL ALIGNMENT

Horizontal Alignment Name: Piper Brook

	STATION	NORTHING	EASTING
Element: Linear			
POB	1+00.00	520589.3768	1538707.2871
PI	1+38.81	520612.2444	1538738.6390
Tangent Direction:	N 53°53'36.33" E		
Tangent Length:	38.81		
Element: Linear			
PI	1+38.81	520612.2444	1538738.6390
PI	2+29.38	520693.7227	1538778.1911
Tangent Direction:	N 25°53'36.33" E		
Tangent Length:	90.57		
Element: Linear			
PI	2+29.38	520693.7227	1538778.1911
POE	2+59.94	520715.7472	1538799.3810
Tangent Direction:	N 43°53'36.33" E		
Tangent Length:	30.56		



PROJECT NAME:	HANCOCK
PROJECT NUMBER:	ER STP 0174(18)
FILE NAME:	z12c412lay.dgn
PROJECT LEADER:	J. TUCKER
DESIGNED BY:	B. BRESLEND
ALIGNMENT LAYOUT SHEET	
PLOT DATE:	10/11/2016
DRAWN BY:	O. DALMER
CHECKED BY:	P. BERO
SHEET	9 OF 42