

## Stray Currents

DACCO SCI, INC. investigated the presence of stray currents in the area surrounding the cathodically protected Colonial pipelines near Route 29 and Route 175. Sixteen (16) sites of varying distances and orientations from the Colonial pipelines were monitored. These sites and their respective data appear below:

### Twin Knolls Road 1

Stray current tests were conducted near the end of the Twin Knolls Road, where the Colonial pipelines crosses the water service pipeline. A map and a photograph of the location are shown below in Figure 61 and Figure 62, respectively. Measured stray currents indicate a maximum peak-to-peak potential shift of 1.32 volts on the north-south axis.

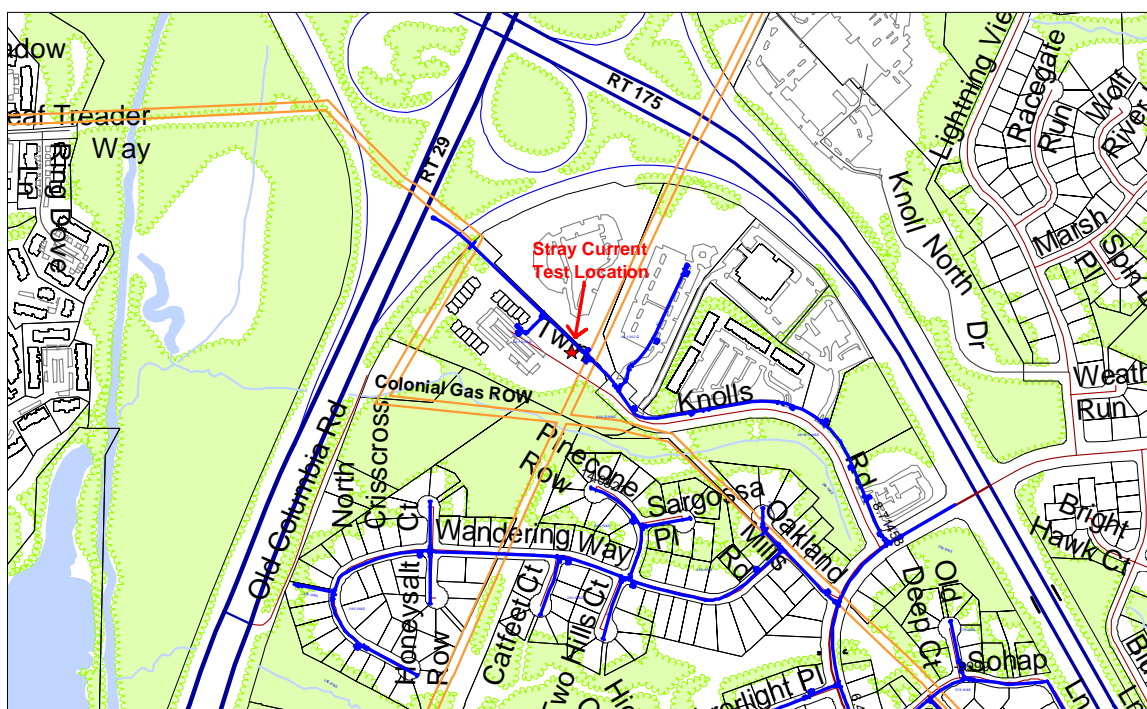
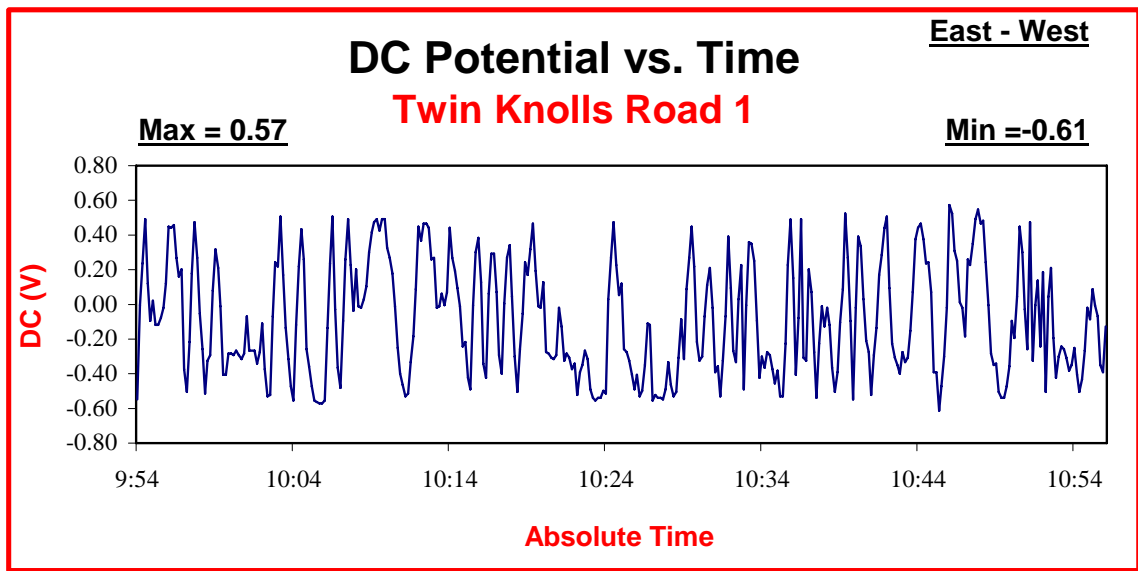
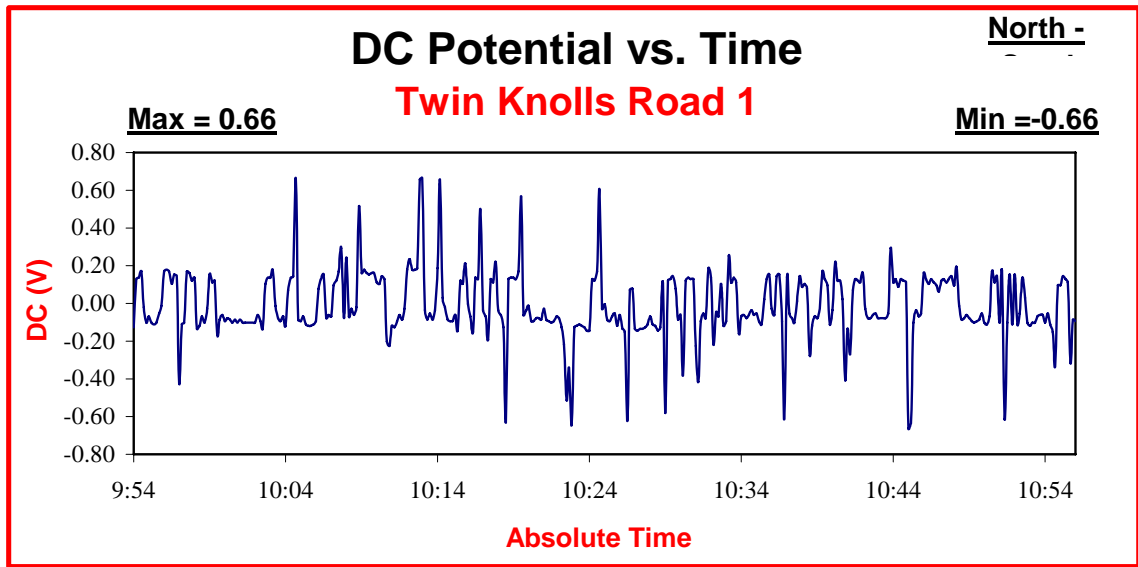


Figure 61 – Stray current test location Twin Knolls Road 1



**Figure 62 – Measuring stray currents at the location Twin Knolls Road 1**



<b>Location:</b>	End of Twin Knolls Road	
<b>GPS Location:</b>	N 39° 13.302', W 76° 50.712'	
	<b>North-South</b>	<b>East-West</b>
<b>Date:</b>	10/9/2006	10/9/2006
<b>Time:</b>	9:54:59	9:54:59
<b>Maximum (V):</b>	0.66	0.57
<b>Minimum (V):</b>	-0.66	-0.61
<b>DC Potential Shifts (V):</b>	1.32	1.18