

|                                 |  |                  |
|---------------------------------|--|------------------|
| <b>Location:</b>                | N. of Tamar Dr. & W. of Snowden River Pky. |                  |
| <b>GPS Location:</b>            | N 39° 12.557', W 76° 48.587'               |                  |
|                                 | <b>North-South</b>                         | <b>East-West</b> |
| <b>Date:</b>                    | 8/31/2005                                  | 8/31/2005        |
| <b>Time:</b>                    | 14:09:21                                   | 14:09:21         |
| <b>Maximum (V):</b>             | 1.86                                       | 2.91             |
| <b>Minimum (V):</b>             | -1.94                                      | -2.91            |
| <b>DC Potential Shifts (V):</b> | 3.80                                       | 5.82             |

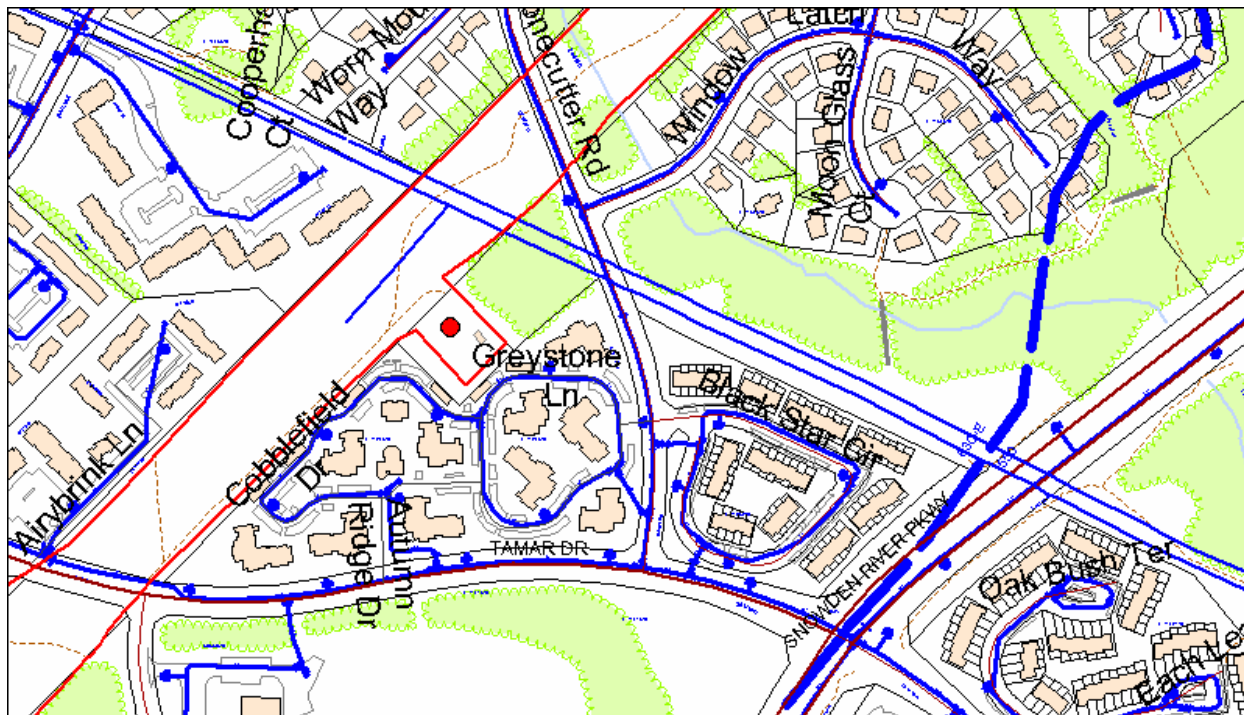


Figure 106 – The location of the Long Reach substation



Figure 107 – Long Reach substation