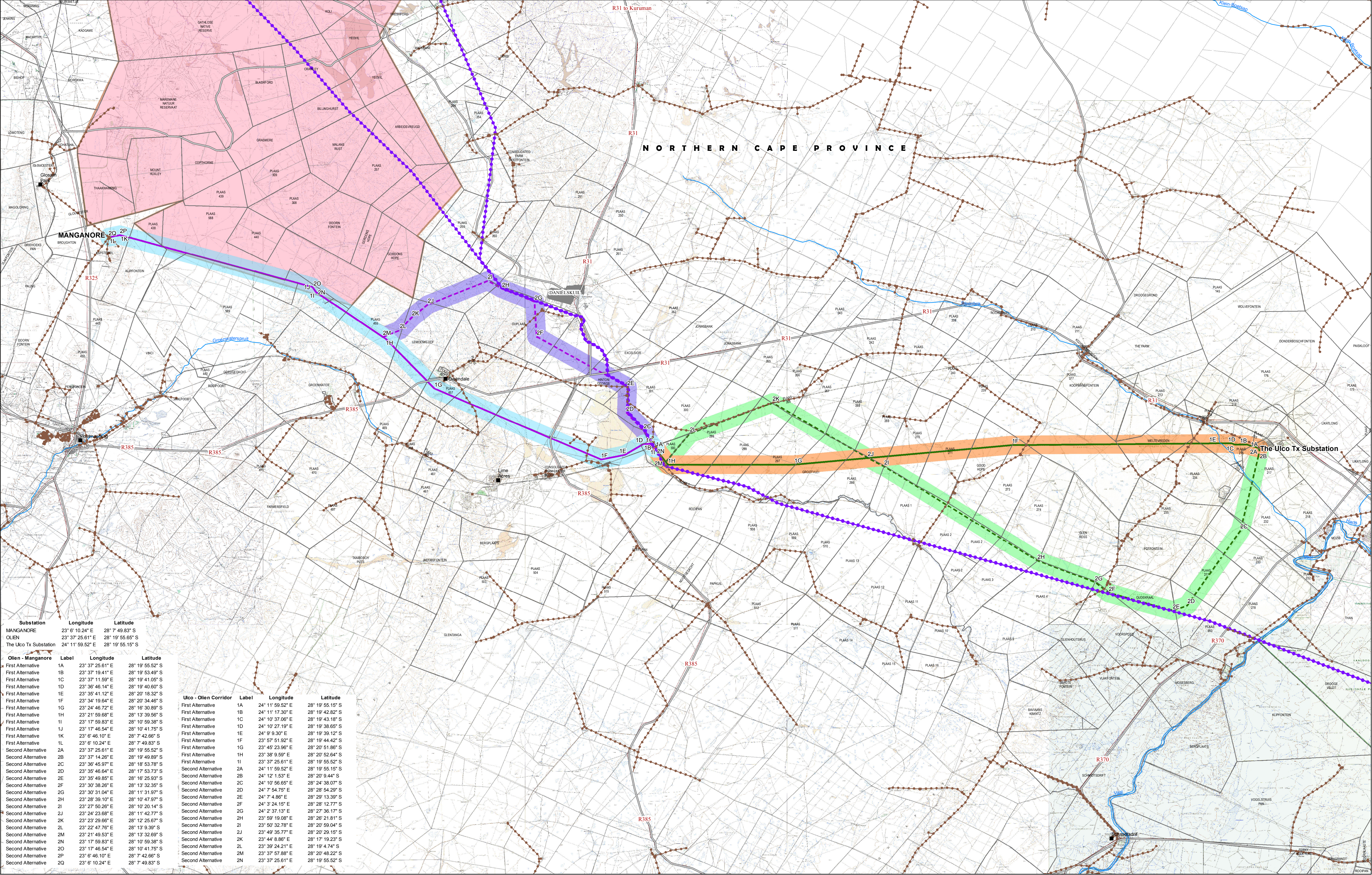


(Approximately 58km Double circuit 400kV powerline from Ulco to Olien and approximately 75km 400kV double circuit powerline from Olien to Manganore, including a new Olien Tx Substation and a new Manganore Tx Substation, adjacent to the existing Olien Dx Substation and existing Manganore DX Substation respectively.)



| Substation | Longitude | Latitude |
|------------------------|------------------|------------------|
| MANGANORE | 23° 6' 10.24" E | 28° 7' 49.83" S |
| OLIEN | 23° 37' 25.61" E | 28° 19' 55.85" S |
| The Ulco Tx Substation | 24° 11' 59.52" E | 28° 19' 55.15" S |

| Olien - Manganore | Label | Longitude | Latitude |
|--------------------|-------|------------------|------------------|
| First Alternative | 1A | 23° 37' 25.61" E | 28° 19' 55.52" S |
| First Alternative | 1B | 23° 37' 19.41" E | 28° 19' 53.49" S |
| First Alternative | 1C | 23° 37' 11.59" E | 28° 19' 41.05" S |
| First Alternative | 1D | 23° 36' 46.14" E | 28° 19' 40.60" S |
| First Alternative | 1E | 23° 35' 41.12" E | 28° 20' 18.32" S |
| First Alternative | 1F | 23° 34' 19.64" E | 28° 20' 34.46" S |
| First Alternative | 1G | 23° 24' 46.72" E | 28° 16' 30.89" S |
| First Alternative | 1H | 23° 21' 59.68" E | 28° 13' 39.56" S |
| First Alternative | 1I | 23° 17' 59.83" E | 28° 10' 59.38" S |
| First Alternative | 1J | 23° 17' 46.54" E | 28° 10' 41.75" S |
| First Alternative | 1K | 23° 6' 46.10" E | 28° 7' 42.66" S |
| First Alternative | 1L | 23° 6' 10.24" E | 28° 7' 49.83" S |
| Second Alternative | 2A | 23° 37' 25.61" E | 28° 19' 55.52" S |
| Second Alternative | 2B | 23° 37' 14.26" E | 28° 19' 49.89" S |
| Second Alternative | 2C | 23° 36' 45.97" E | 28° 18' 53.78" S |
| Second Alternative | 2D | 23° 35' 46.64" E | 28° 17' 53.73" S |
| Second Alternative | 2E | 23° 35' 49.85" E | 28° 16' 25.93" S |
| Second Alternative | 2F | 23° 30' 38.26" E | 28° 13' 32.35" S |
| Second Alternative | 2G | 23° 30' 31.04" E | 28° 11' 31.97" S |
| Second Alternative | 2H | 23° 28' 39.10" E | 28° 10' 47.97" S |
| Second Alternative | 2I | 23° 27' 50.26" E | 28° 10' 20.14" S |
| Second Alternative | 2J | 23° 24' 23.68" E | 28° 11' 42.77" S |
| Second Alternative | 2K | 23° 23' 29.66" E | 28° 12' 25.67" S |
| Second Alternative | 2L | 23° 22' 47.76" E | 28° 13' 9.39" S |
| Second Alternative | 2M | 23° 21' 49.53" E | 28° 13' 32.69" S |
| Second Alternative | 2N | 23° 17' 59.83" E | 28° 10' 59.38" S |
| Second Alternative | 2O | 23° 17' 46.54" E | 28° 10' 41.75" S |
| Second Alternative | 2P | 23° 6' 46.10" E | 28° 7' 42.66" S |
| Second Alternative | 2Q | 23° 6' 10.24" E | 28° 7' 49.83" S |

| Ulco - Olien Corridor | Label | Longitude | Latitude |
|-----------------------|-------|------------------|------------------|
| First Alternative | 1A | 24° 11' 59.52" E | 28° 19' 55.15" S |
| First Alternative | 1B | 24° 11' 17.30" E | 28° 19' 42.82" S |
| First Alternative | 1C | 24° 10' 37.06" E | 28° 19' 43.18" S |
| First Alternative | 1D | 24° 10' 27.19" E | 28° 19' 38.65" S |
| First Alternative | 1E | 24° 9' 9.30" E | 28° 19' 39.12" S |
| First Alternative | 1F | 23° 57' 51.92" E | 28° 19' 44.42" S |
| First Alternative | 1G | 23° 45' 23.96" E | 28° 20' 51.86" S |
| First Alternative | 1H | 23° 38' 9.59" E | 28° 20' 52.64" S |
| First Alternative | 1I | 23° 37' 25.61" E | 28° 19' 55.52" S |
| Second Alternative | 2A | 24° 11' 59.52" E | 28° 19' 55.15" S |
| Second Alternative | 2B | 24° 12' 1.53" E | 28° 20' 9.44" S |
| Second Alternative | 2C | 24° 10' 56.65" E | 28° 24' 38.07" S |
| Second Alternative | 2D | 24° 7' 54.75" E | 28° 28' 54.29" S |
| Second Alternative | 2E | 24° 7' 4.86" E | 28° 29' 13.39" S |
| Second Alternative | 2F | 24° 3' 24.15" E | 28° 28' 12.77" S |
| Second Alternative | 2G | 24° 2' 37.13" E | 28° 27' 36.17" S |
| Second Alternative | 2H | 23° 59' 19.08" E | 28° 26' 21.81" S |
| Second Alternative | 2I | 23° 50' 32.78" E | 28° 20' 59.04" S |
| Second Alternative | 2J | 23° 49' 35.77" E | 28° 20' 28.15" S |
| Second Alternative | 2K | 23° 44' 8.86" E | 28° 17' 19.23" S |
| Second Alternative | 2L | 23° 39' 24.21" E | 28° 19' 4.74" S |
| Second Alternative | 2M | 23° 37' 57.88" E | 28° 20' 48.22" S |
| Second Alternative | 2N | 23° 37' 25.61" E | 28° 19' 55.52" S |

■ Towns / Places ■ Dams □ Farms — Olien - Manganore First Alternative ■ First Alternative Corridor ■ SAACTC - LOHATLA
— Distribution power lines — Rivers ▲ MANGANORE Substation — Olien - Manganore Second Alternative ■ Second Alternative Corridor
— Transmission power lines — Roads ▲ OLIEN Substation — Ulco - Olien First Alternative ■ First Alternative Corridor
— Provincial Borders ■ Major Towns ▲ The Ulco Tx Substation — Ulco - Olien Second Alternative ■ Second Alternative Corridor

0 2.25 4.5 9 13.5 18 22.5 Kilometers
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