DC Transmission Line Foundation Types

Driven Pile Foundation

Used for tangent (in-line) structures or light to medium angle structures (where there is less than a 15 degree change in line direction). Foundation depth will vary between 10 and 15 metres depending on soil conditions.

Concrete Pier Foundation

Used for dead-end or heavy angle structures or for tangent (in-line) structures where ground conditions do not allow for driven pile foundations. Concrete pier foundations consist of four augured holes filled with reinforced concrete. Foundation depth will vary between 10 and 15 metres depending on soil conditions.

Grillage Footing Foundation

Typically used as an alternative for structures where ground conditions such as rocky terrain do not allow for driven pile or concrete pier foundations. Grillage footing is generally back-filled with soil, gravel or concrete. Foundation depth is approximately 3 metres.