

A cathodic protection system (CP system) will be employed to protect the pipeline from corrosion. Upstands for monitoring of the CP system will be required at approximately 2km to 4km spacing along the pipeline. The upstand consists of small metal box on a post which contains a terminal for monitoring the CP system. Potential interference with other infrastructure will be addressed in detailed design so that it does not occur. Upstands are typically installed at marker posts and at other key features such as paved roads and fence crossings. The images below provide examples of typical CP upstands installed next to marker posts.



Depending on the final detailed design of the CP system, anode beds may also be required at points along the alignment and will typically be located at the proposed MLV and scraper station sites. For a pipeline of this size each anode bed would be approximately 10 x 30m in size and also include a rectifier and solar panel for power supply. Typically, the anode bed would be offset approximately 100m from the pipeline. The requirement for and final locations of any anode beds is subject to detail design of the CP system and land access agreement.

The pipeline's corrosion protection system (pipeline coating and cathodic protection) will be monitored over the life of the pipeline. Additional anode beds may need to be added over the life of the pipeline to provide additional corrosion protection. Any such additions would be subject to separate approvals and land access agreement.