

# Site Layout Design (DO)

A mine developer needs to set out the infrastructure to ensure an efficient operation. It is important to minimise distances over which product and waste needs to be transported. This includes the distance between the mine and the ore stockpiles, between the stockpiles and the processing plant and lastly the processing plant should also be optimised with respect to distance from the TSF.

The site can also be optimised to shield the operation from neighbours to minimise disturbance. Very importantly - from an emergency planning perspective it is vital to assess an appropriate location for waste storage facilities to ensure that in the event of a failure the waste material will not flow towards an occupied area causing risk to life.

During development mining company and contractors will track development progress, which requires routine surveying.

## Relevant EO Products

- [Product Sheet: Land Use Mapping](#)
- [Product Sheet: Protected Areas](#)
- [Product Sheet: Building and Settlement Map](#)