



Proposed Phase 1 Design

Overburden strip = 114,036 m³

Total Insitu mineral = 355,104 m³
 Minus 24% waste = 85,225 m³
 Net mineral = 269,879 m³
 @ 2.5 t/m³ = 674,698 saleable tonnes
 @ 125,000 tonnes per annum = 5.4 years life

Overburden and processing waste generated in Phase 1 will be placed in the main quarry

Temporary storage of processing waste, imported fill.

Processing waste: 85,225m³

Approximatly 5.4 years of imported fill of 80,000T/a @ 1.5T/m³ = 432,000T / 288,000m³

Total backfill: ~373,225m³

Temporary Topsoil Storage ~7742m³

- KEY**
- Application Area
 - Phase Boundary
 - Active Restoration
 - Restored Area
 - Screening Berm
 - Haul Road
 - Quarry Face & Bench
 - Overburden Strip Area
 - Rockfall & Edge Protection Berm
 - Indicative Working Direction
 - Line of cross section

Quarry survey undertaken on 19th February 2019 by DroneSurv. The aerial photo combines the February 2019 aerial, an earlier May 2017 aerial and undated Bing imagery. Additional 3d data purchased as 10m gridded DTM from Getmapping and EA thinned LIDAR data. OS background taken from OS VectorMap data.



Swanworth Quarry (00144)

Phase 1
Removal of Mineral

Drawn By GEW	Scale 1 : 5000
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