



**Proposed Phase 2 Design**  
 Overburden and soils strip = 84,662 m<sup>3</sup>  
 Total Insitu mineral = 355,649 m<sup>3</sup>  
 Minus 24% waste = 85,356 m<sup>3</sup>  
 Net mineral = 270,293 m<sup>3</sup>  
 @ 2.5 t/m<sup>3</sup> = 675,733 saleable tonnes  
 @ 125,000 tonnes per annum = 5.4 years life

**Phase 1 Restoration Infill**  
 Total restoration infill = 350,643 m<sup>3</sup>  
 Processing waste infill = 85,356m<sup>3</sup>  
 Overburden and Soils = 81,856m<sup>3</sup>  
 Inert infill waste to import = 180,625 m<sup>3</sup>  
 ~270,938T @ 1.5T/m<sup>3</sup> = 3.4 years of imported infill @ ~80,000T/a

~3535m<sup>3</sup> of Topsoil used in restoration at 0.25m thick

Temporary Topsoil Storage ~2806m<sup>3</sup>

Temporary Topsoil Storage ~7742m<sup>3</sup>

Approximately 2 years of imported inert fill at 1.5T/m<sup>3</sup>@80,000T/a ~106,667m<sup>3</sup>/160,000T

- 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
  - A1 A2 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 2**  
**Removal of Mineral**

Drawn By **GEW** Scale **1 : 5000**

Dwg N<sup>o</sup> **191128-00144-7** Paper Size **A3L**