SECTION 2

DRAWING NUMBER P30206–PLN–003 (Existing Mine Layout)

DRAWING NUMBER P30206–PLN–004 (Surface Development Cross-sections)

DRAWING NUMBER P30206–PLN–005 (Underground Plan View Phase 1)

DRAWING NUMBER P30206–PLN–006 (Phase 1 Extraction)

DRAWING NUMBER P30206–PLN–007 (Underground Plan View Phase 2)

DRAWING NUMBER P30206–PLN–008 (Phase 2 Extraction)
This wall has the bat portals open and the door closed.

The passages either side of the access shaft completely sealed
with plywood panels (no gaps at all), each with a access door
and access portals which can be closed and one way bat slots

Main access route created as first stage of Phase 1

Proposed
Mine
Access
Adit

4.000

Proposed Column Spacing

Schematic cross-section of pillar layout

Struts formed from high strength, flat laid, concrete blocks

Existing Mine Floor Level

New Mine Floor Level

Reinforced concrete footing dimensions to suit strength of clay. Maximum 2 x 2m

Mine Roof Level

Collyweston Slates

c. 1m of sand to be excavated

c. 0.5m of clay to be excavated

NB Concrete made with SRPC

CQA
CQA International Limited
Planning Application
Proposed Underground Development Phase 1

Collyweston Slate Mine

Ground Level

Stratigraphic Column

Subsoil

Overlying Lower Limestone

Approx. strata thickness

Groundwater level

Collyweston Slates

Sand

Clay / Mudstone

Notes

[Diagram showing detailed geological and structural layout of Slate Drift with annotations and dimensions for the proposed mine access and development phases, including proposed column spacings, strata layers, and cross-sectional views of the mine floor levels and roof levels.]

[Diagram includes a section view showing the pillar layout with specifications for struts, existing and new mine floor levels, and notes on the depth of materials to be excavated and concrete properties.]
After completion of the walls the sealing bate gates change roles; the bat portals are open on the southern gate but closed on the northern gate.

Phase 2 extraction of fresh Collyweston Slates.

Phase 2 bat refuge

Drystone wall constructed full height of excavation to seal off area for bats during Phase 2 operations (middle of wall filled with sand to stop bats crawling through)