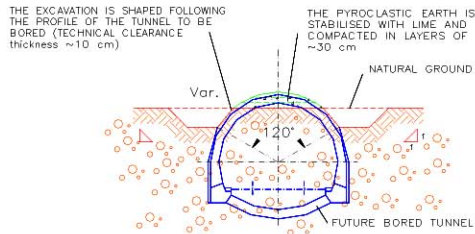


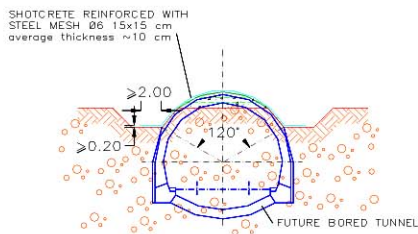
SECTION A-A



STAGE 1

EMBANKMENT AND SHAPING OF THE EXCAVATION FOLLOWING THE PROFILE OF THE TUNNEL TO BE BORED (TECHNICAL CLEARANCE THICKNESS ~10 cm)

SECTION A-A

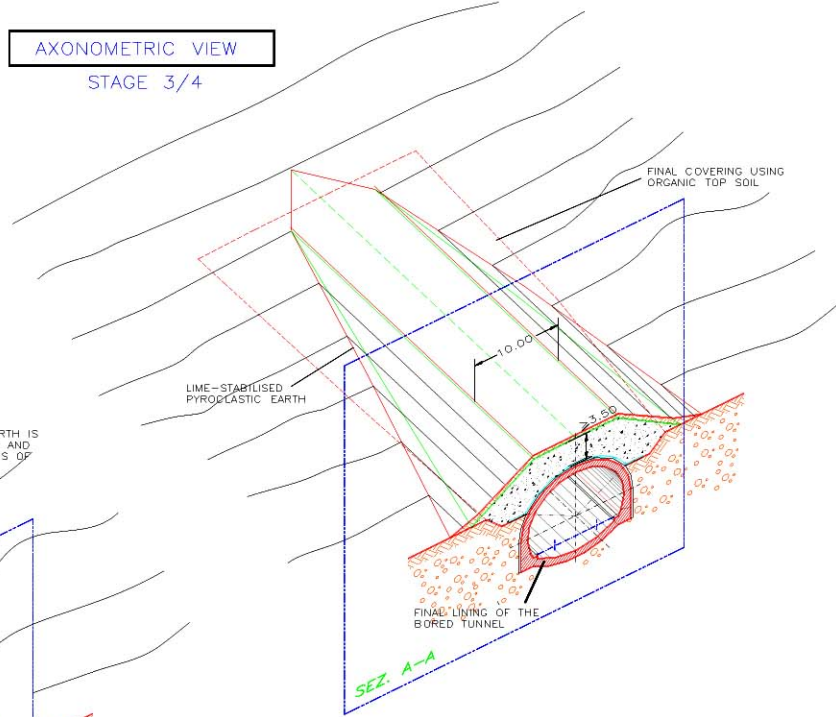


STAGE 1a

PLACING THE PROTECTIVE SHOTCRETE REINFORCED WITH STEEL MESH Ø6 15x15 average thickness ~10 cm

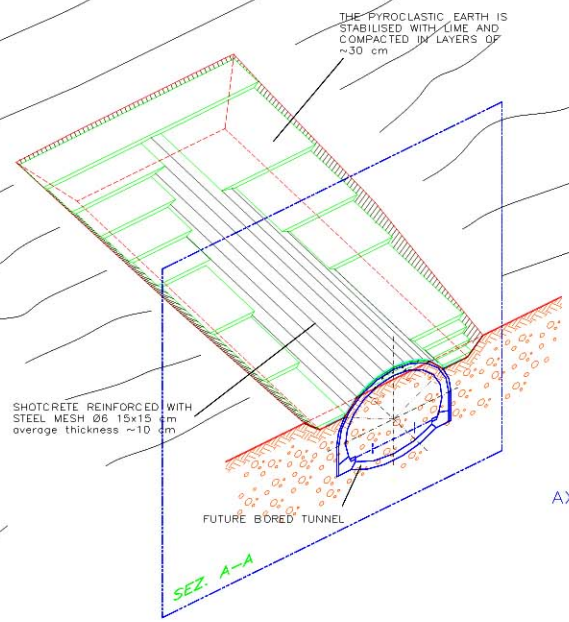
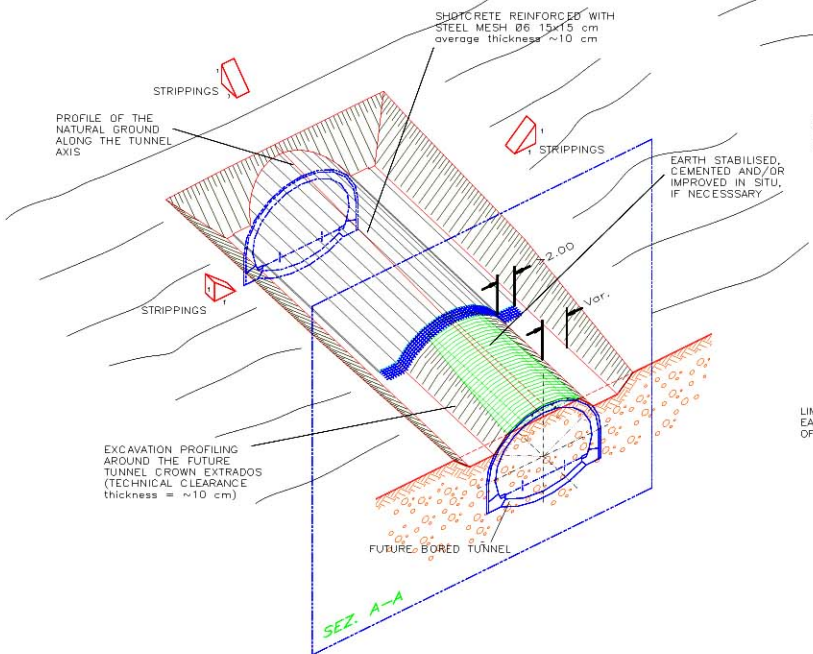
AXONOMETRIC VIEW

STAGE 3/4



AXONOMETRIC VIEW

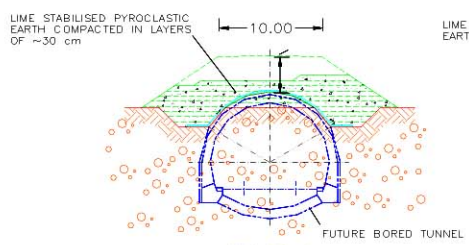
STAGE 1/1a



AXONOMETRIC VIEW

STAGE 2

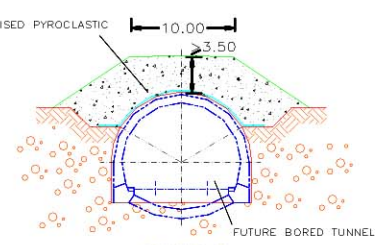
SECTION A-A



STAGE 2

BACKFILL USING A MIX OF PYROCLASTIC EARTH STABILISED WITH LIME AND COMPACTED IN LAYERS OF OF ~30 cm TO FORM A THICKNESS OVER THE CROWN OF 3.50 m (Min.)

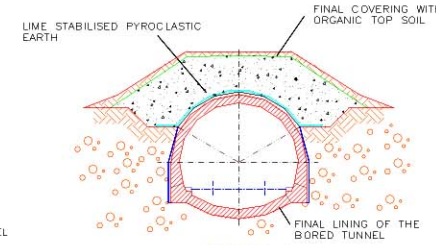
SECTION A-A



STAGE 3

THE TUNNEL IS BORED AND A PRELIMINARY LINING OF SHOTCRETE (thickness ~20 cm) AND STEEL RIBS ARE PLACED

SECTION A-A



STAGE 4

THE FINAL LINING OF THE BORED TUNNEL IS PLACED AND THE FINAL COVERING WITH ORGANIC TOP SOIL IS PLACED