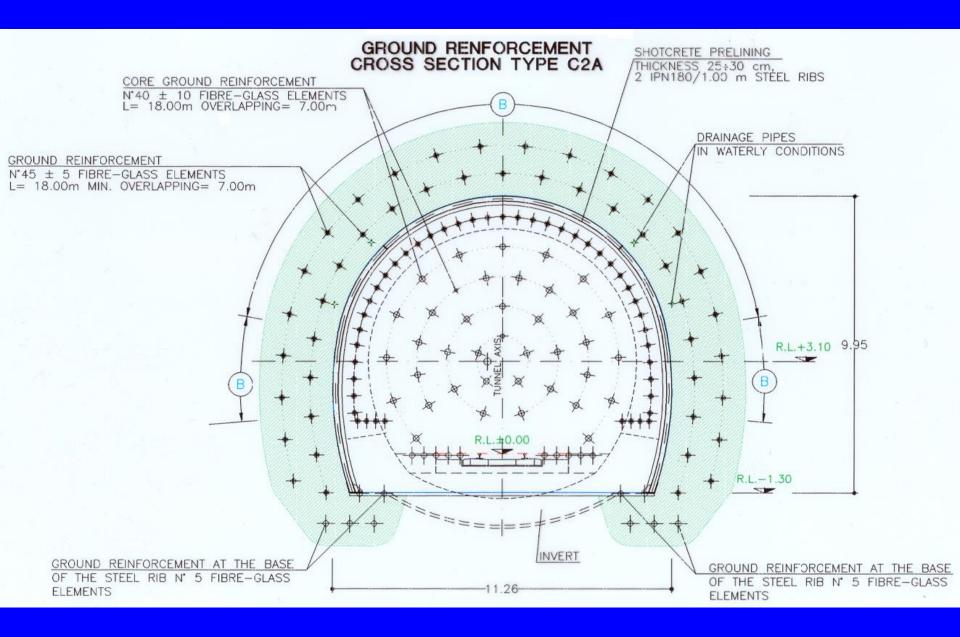
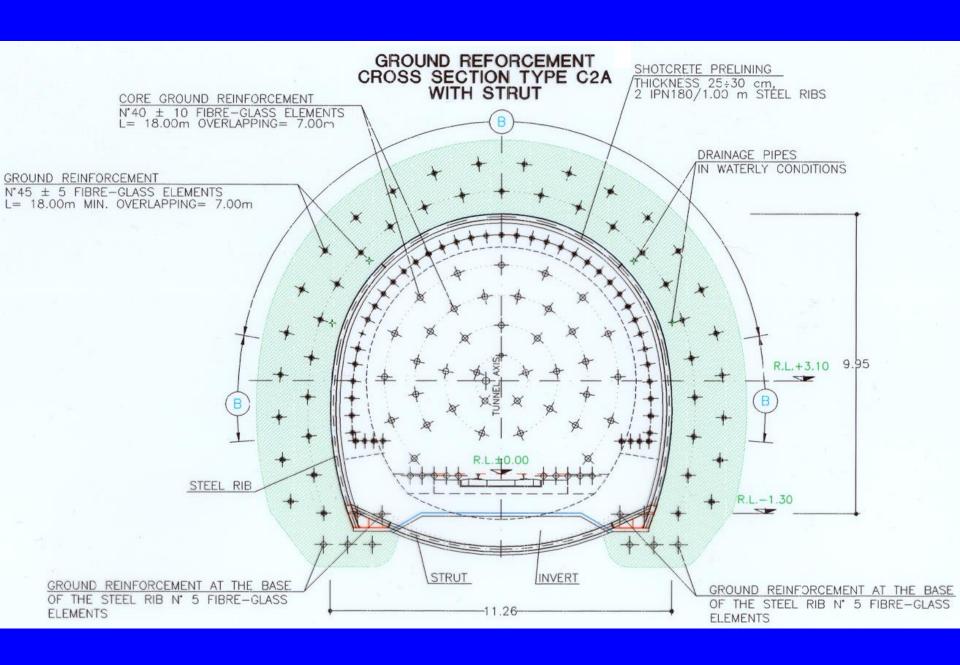
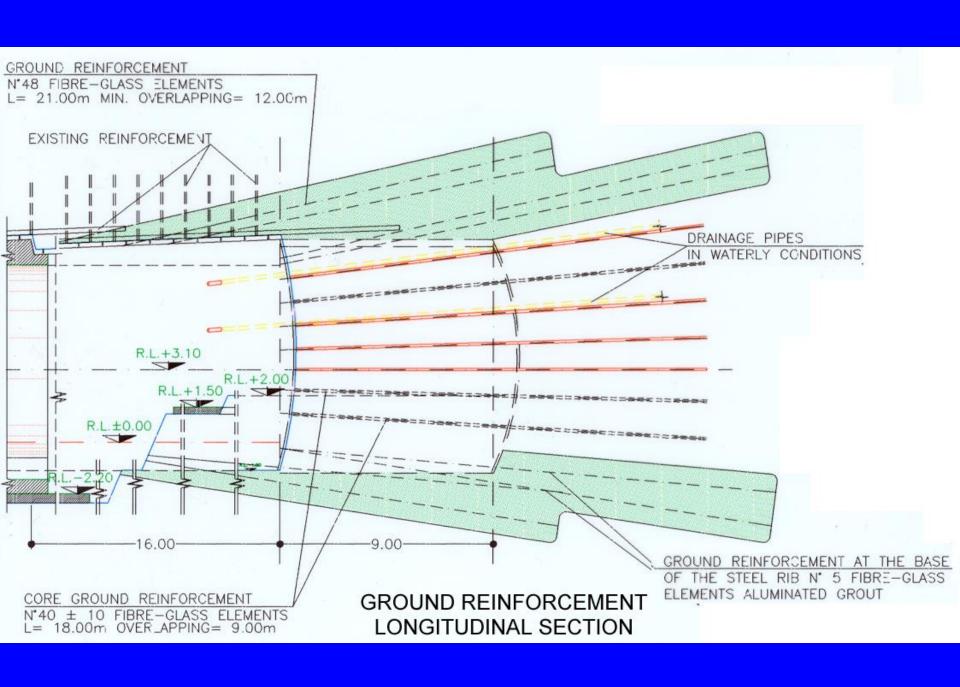
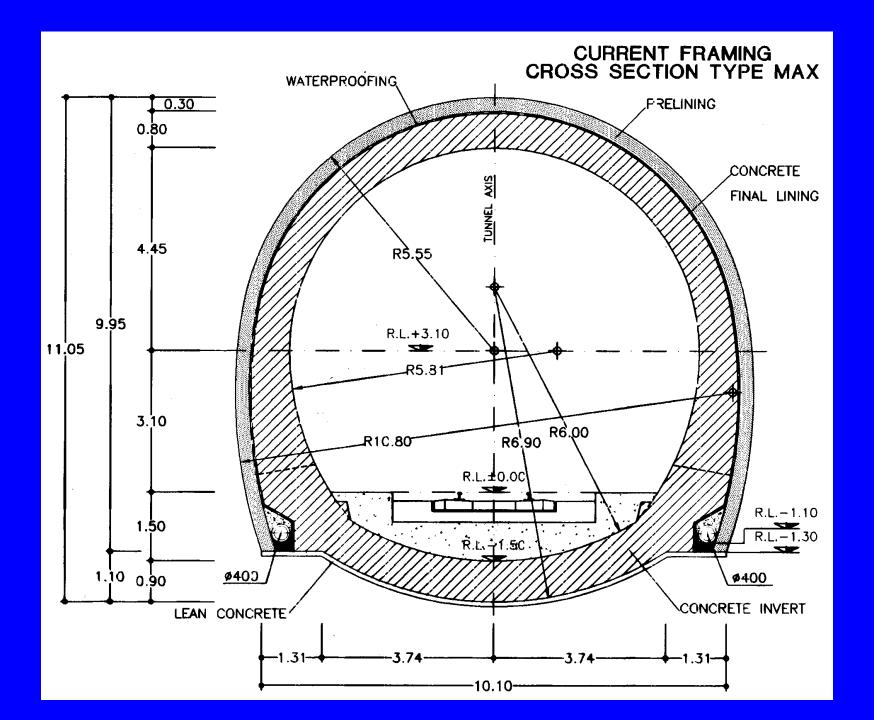
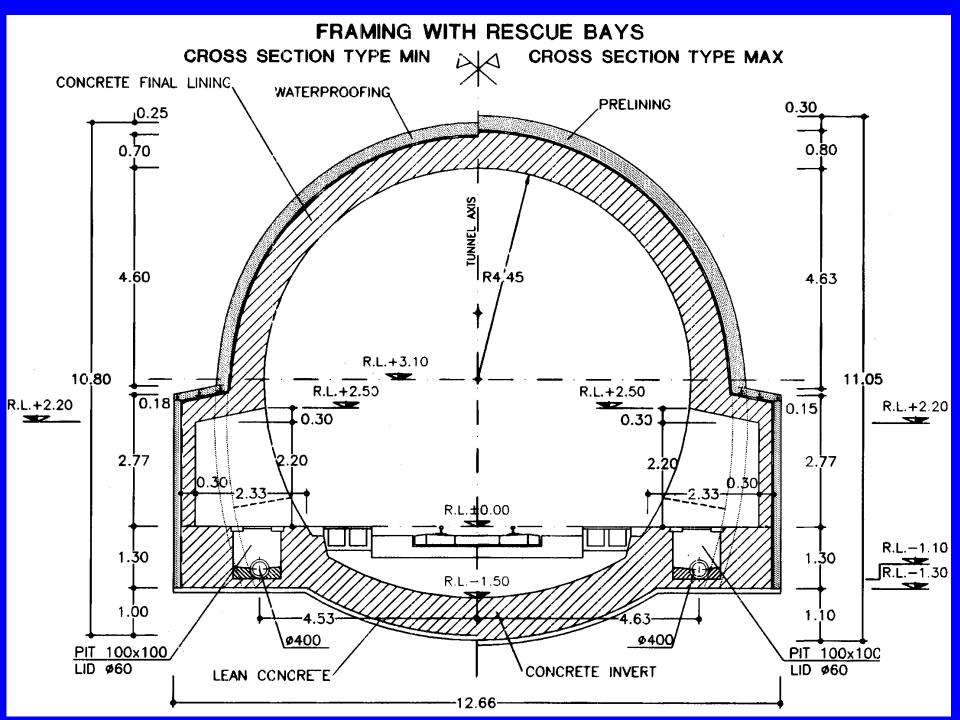
Lunardi method of tunnel excavation and support

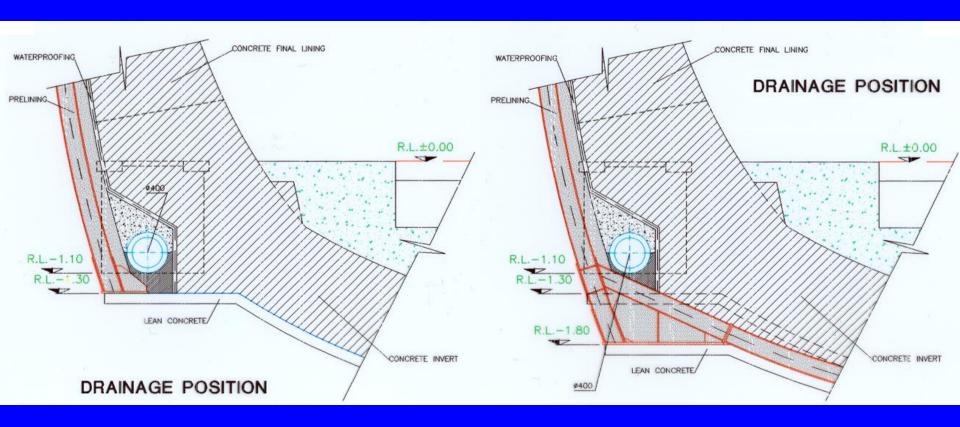


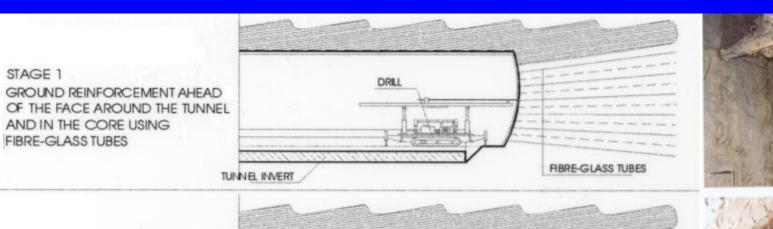




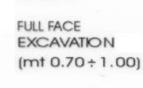




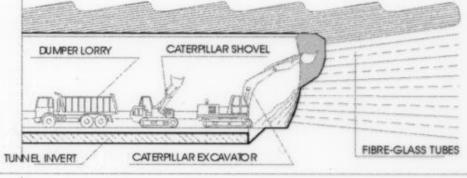








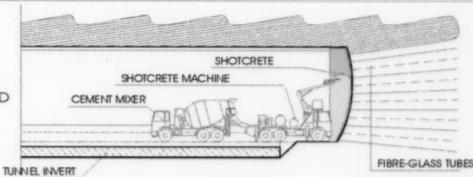
STAGE 2



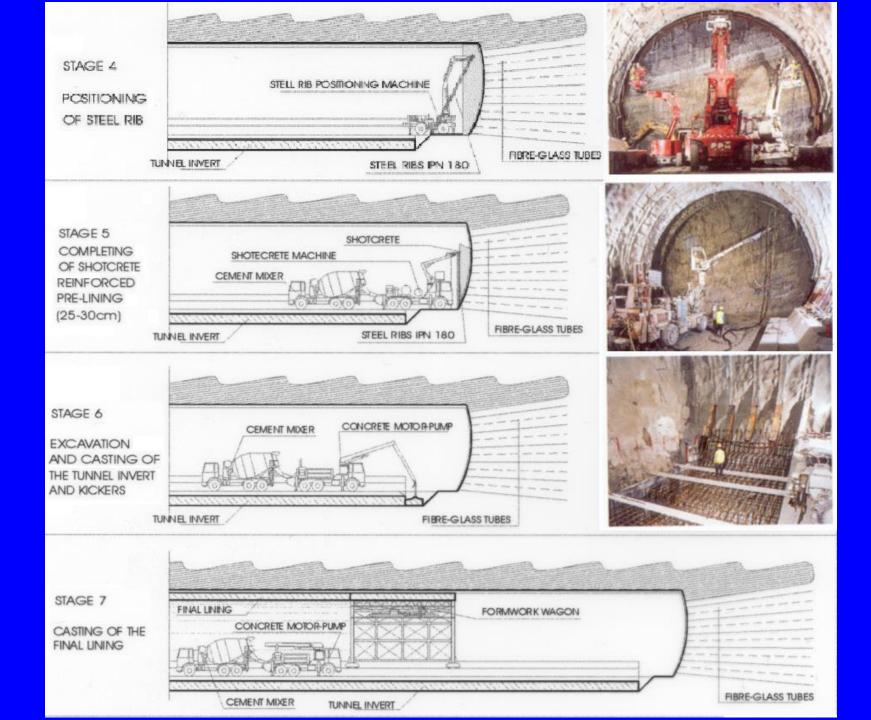


STAGE 3

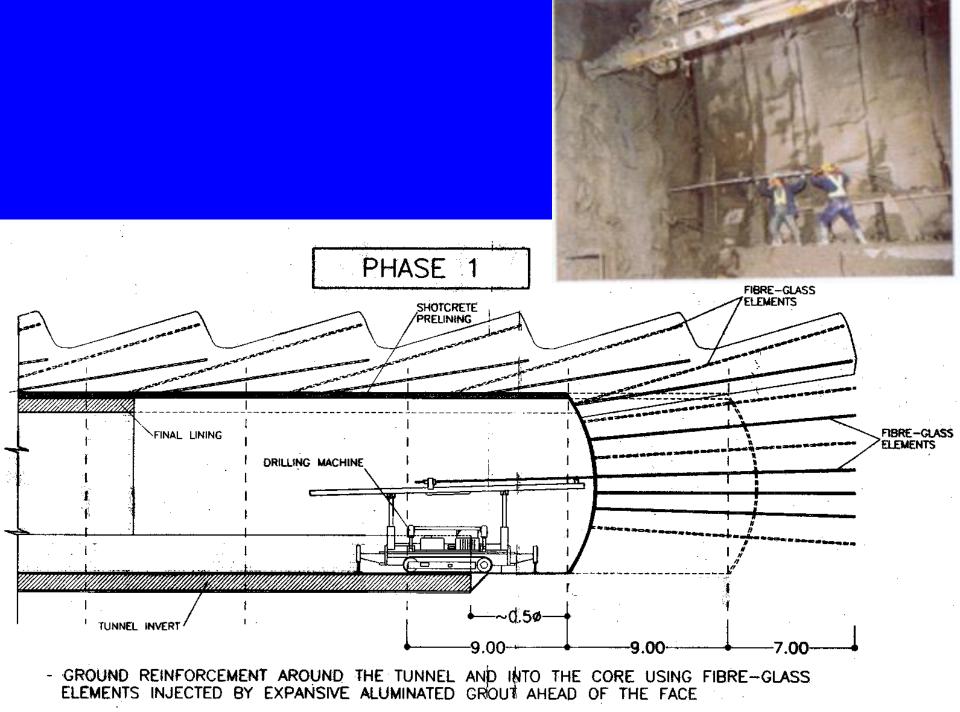
SPRAYING OF THE SHOTCRETE
ONTO THE FACE AND AROUND
THE TUNNEL (10cm)

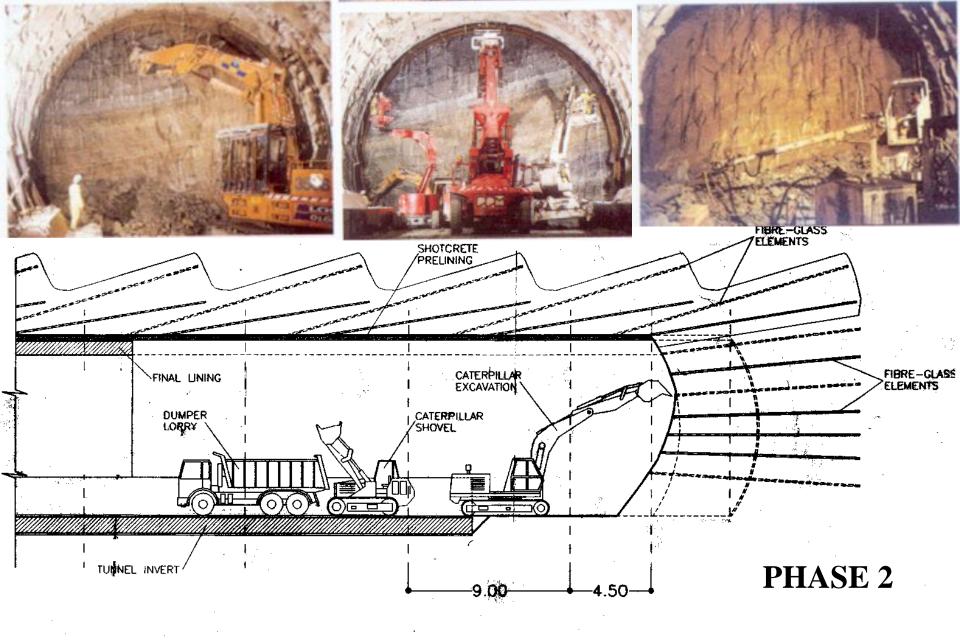




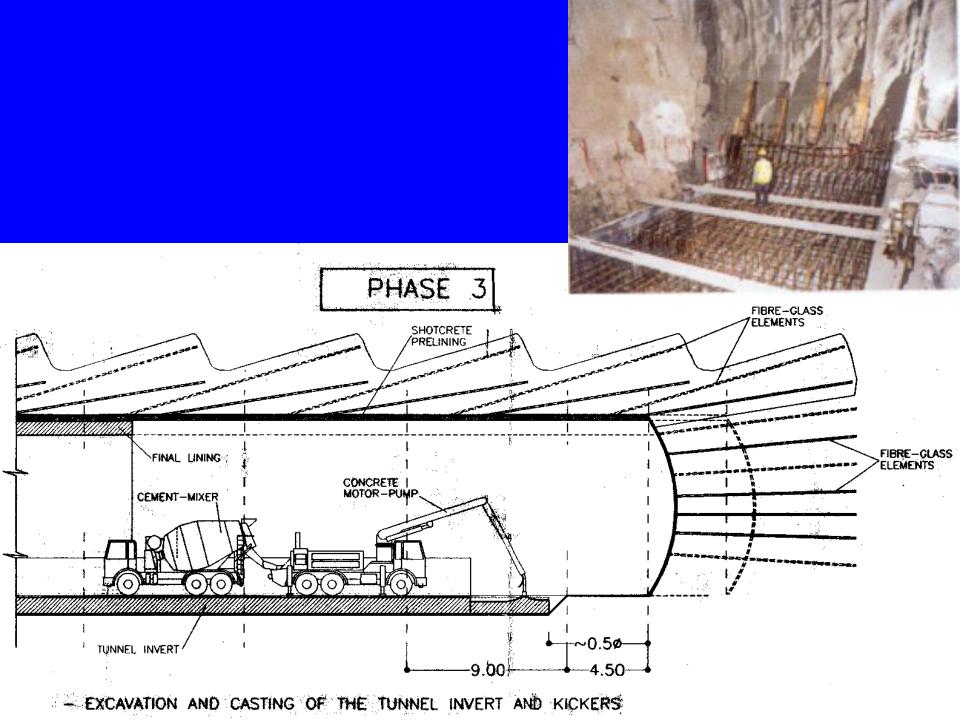


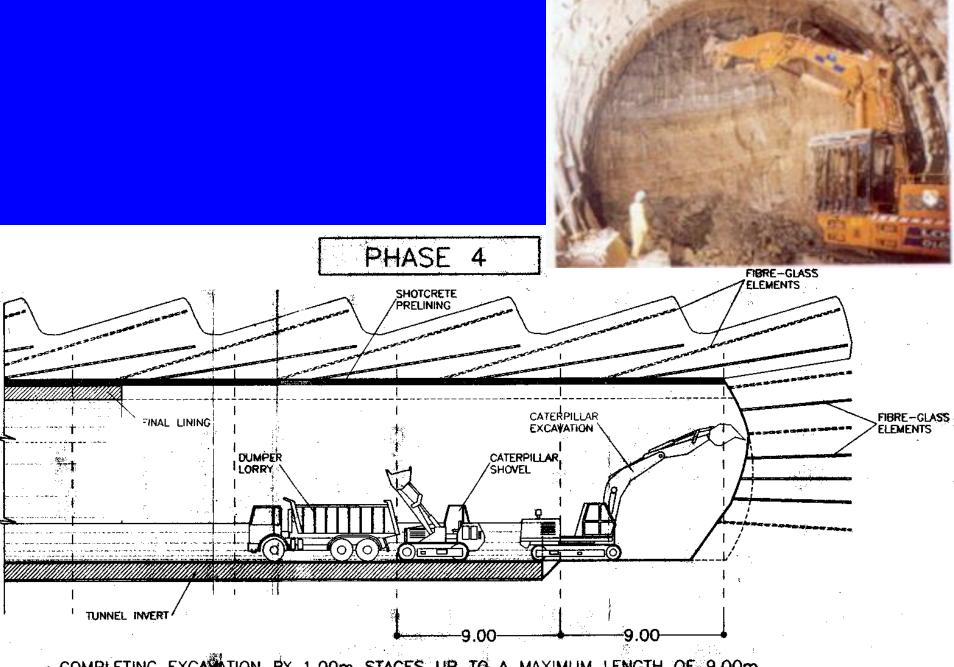






- FULL SECTION EXCAVATION, BY 1.00m STAGES UP TO A MAXIMUM LENGTH OF 4.50m
- POSITIONING OF STEEL RIBS EACH 1.00m STAGE
- SPRAYING OF THE SHOTGRETE FIBRE REINFORCED PRE-LINING EACH 1.00m STAGE





- COMPLETING EXCAMATION BY 1.00m STAGES UP TO A MAXIMUM LENGTH OF 9.00m. ACCORDING TO PHASE 2 INDICATIONS.

