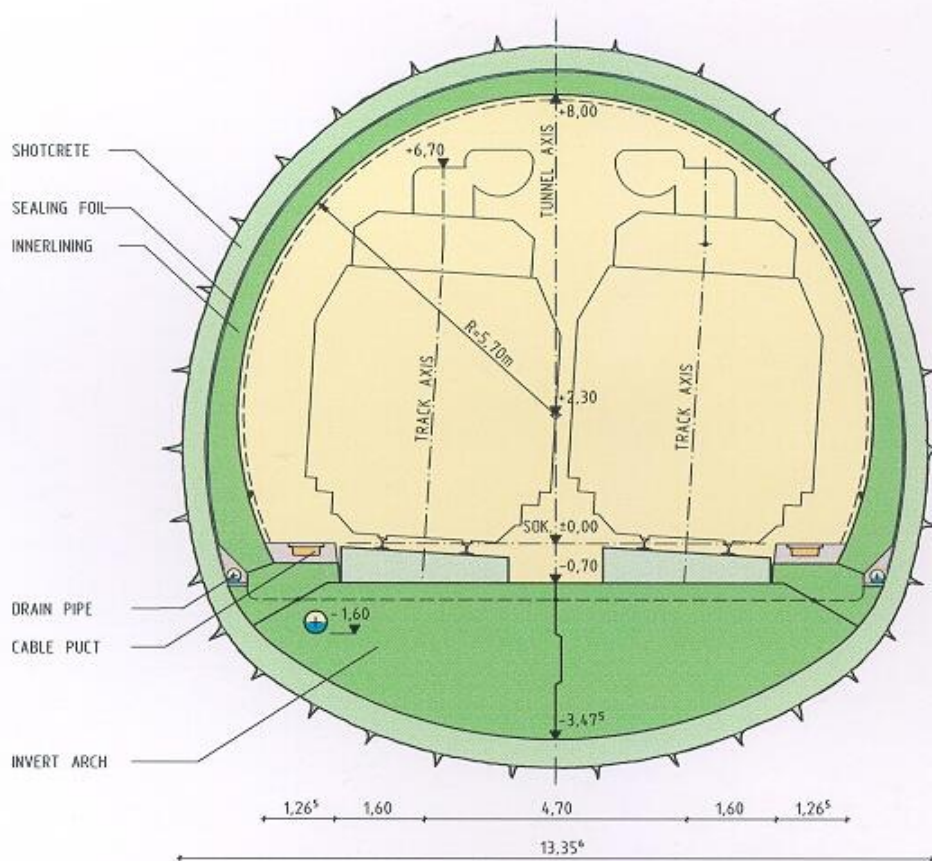


Project	Tunnel Sieberg – West Link Railway			
Client	Rapid Railway Corporation (HL-AG)			
Consulting services	1992-2001 Design, Engineering, Project Management			
Total cost	US\$ 91 Mio.			
Technical data	Total tunnel length:	6480 m	Cut and cover tunnel:	212 m
	Mind tunnel:	5008 m	Special cut and cover method:	1260 m



Description

Within the scope of construction of the High Speed Railway between Vienna and Salzburg the section Haag – St. Valentin is upgraded to four tracks. The Sieberg Tunnel with 6480 m length comprises a part of this section. In geological terms a significant part of the tunnel is located in so-called Miocene "Schlier" (sandy and clayey siltstone) as well as in Oligocene "Schlier" with swelling properties over a length of around 800 meters. The overburden of the tunnel reaches maximum 55 meters and is 5 to 12 meters only at the crossing valleys. Due to these topographic conditions the tunnel was constructed utilising two intermediate accesses which allowed to drive up to five headings simultaneously.