

KEY PLAN

Practical

The pattern on the retaining wall is intended to mitigate the potential abrupt change perceived by drivers entering and leaving the tunnel. This is achieved by gradual change of concrete texture on the retaining wall such that drivers will have a sense of threshold when they are approaching or leaving the portal entrance

Aesthetic

A welcoming architectural feature for tunnel entrance is created by visually joining the side walls and portal together, with a simple incline detail at the top. The new architectural feature gives an impressive and welcoming symbol to match the tunnel entrance. In order to echo with the vehicular nature of this project, the gradual change of concrete texture on retaining wall creates a sense of dynamics to the drivers.

Smooth Concrete (KEIM Concretal C 9432)

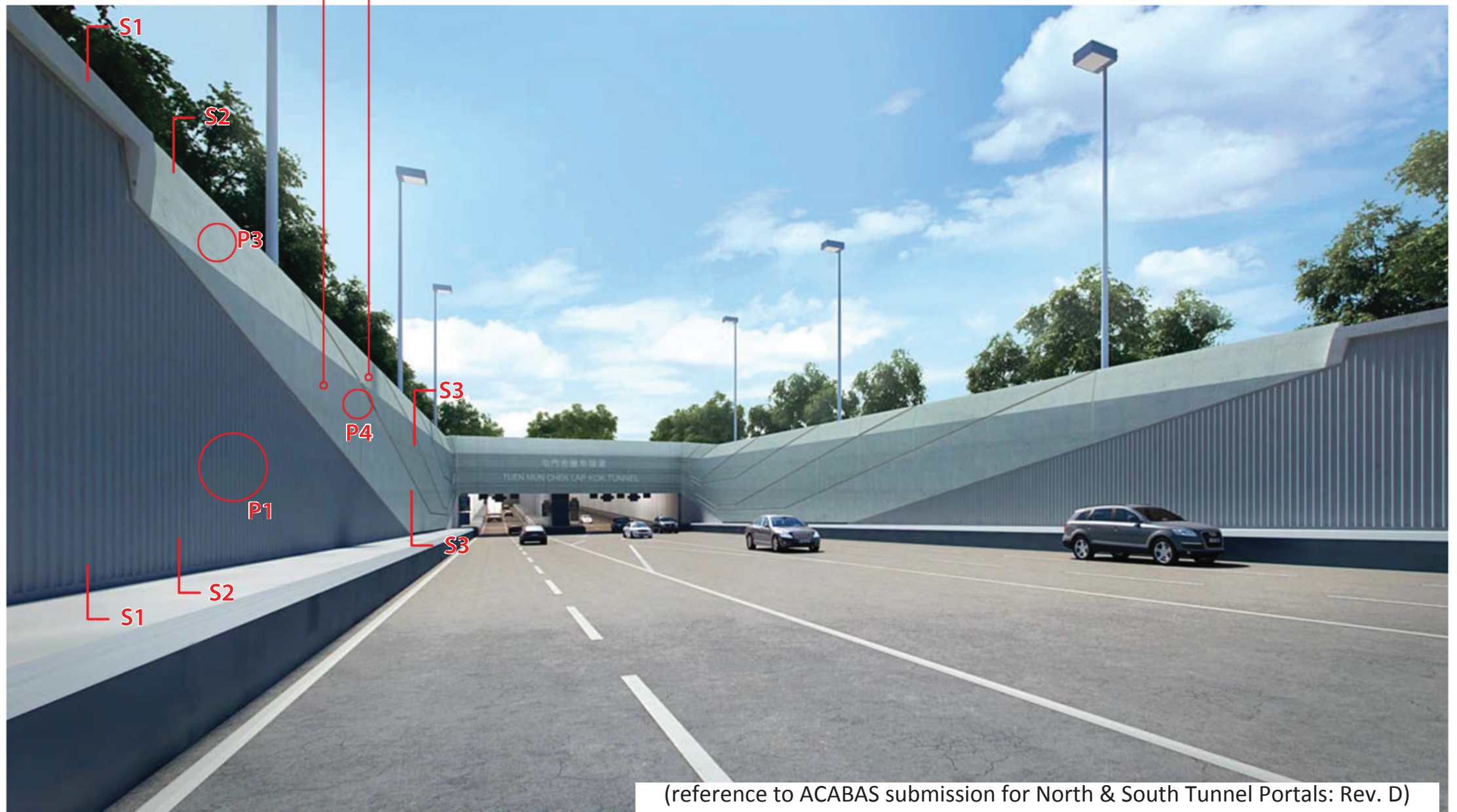
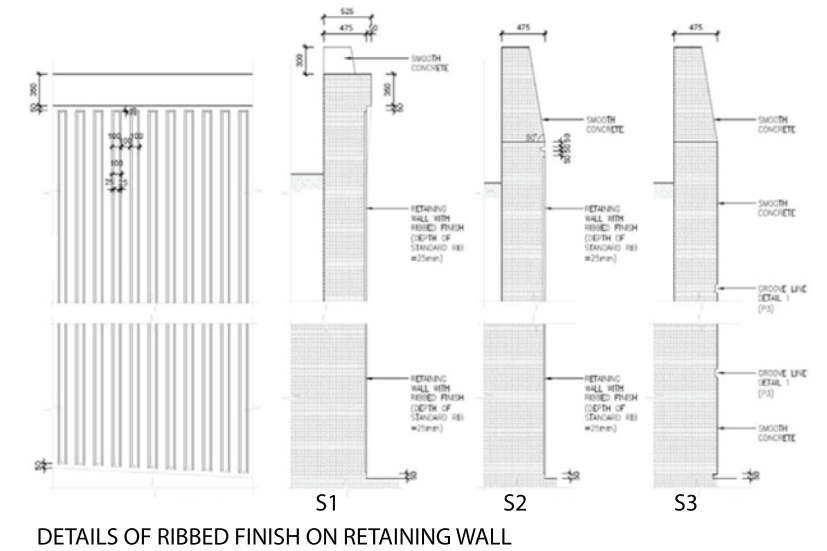
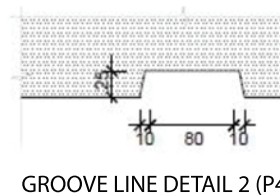
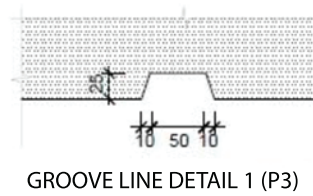
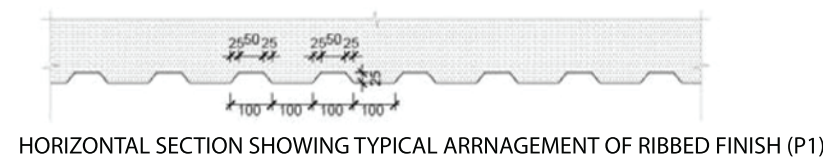
created using F4 formwork with panels defined by grooves

Smooth Concrete (KEIM Concretal C 9435)

created using F4 formwork with panels defined by grooves

Ribbed Finish

Applying F5 specialist formwork. The ribs will be vertical (to encourage water run-off) and all faces of the ribs will be smooth.



(reference to ACABAS submission for North & South Tunnel Portals: Rev. D)