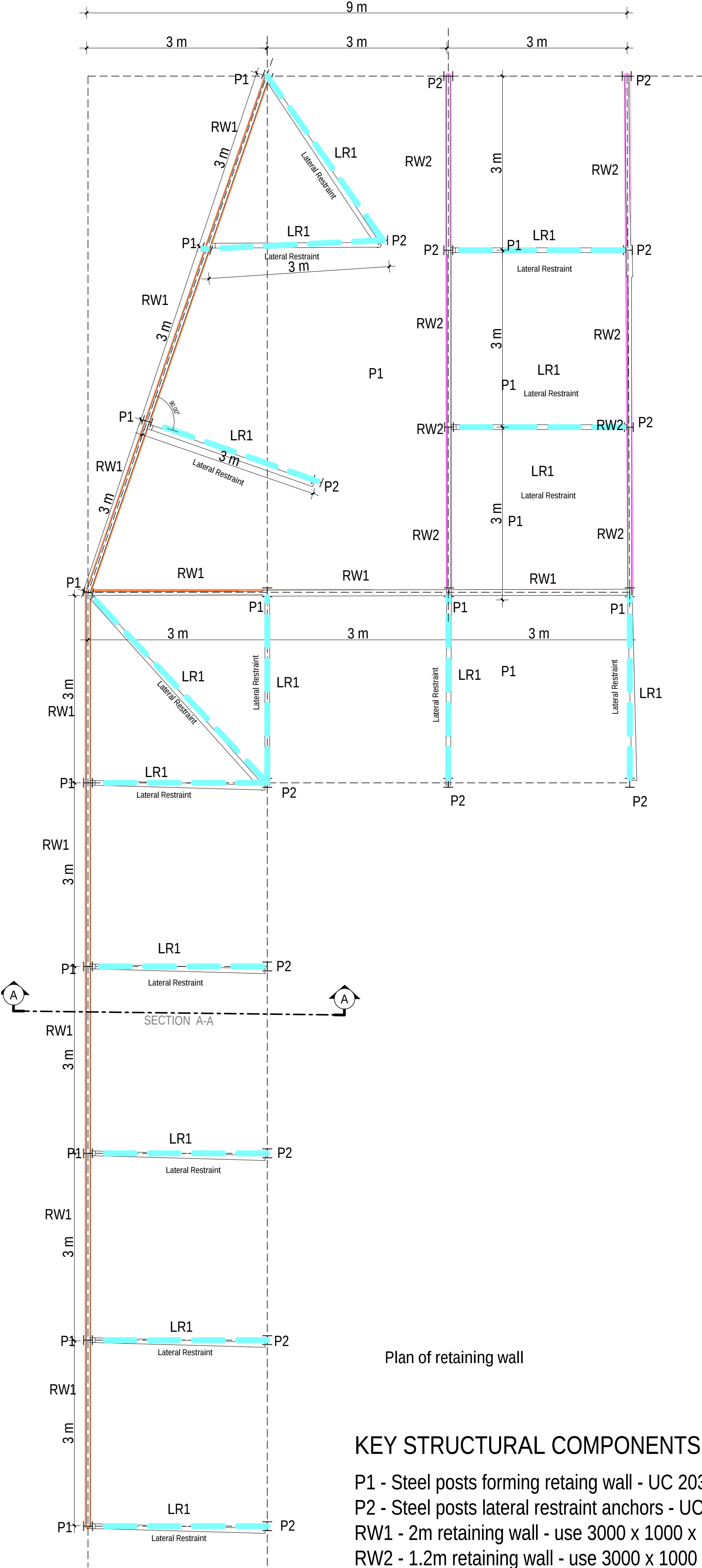


103 STRUCTURAL DESIGN - RETAINING WALL

GROUND FLOOR

Drawing scale 1:50



Plan of retaining wall

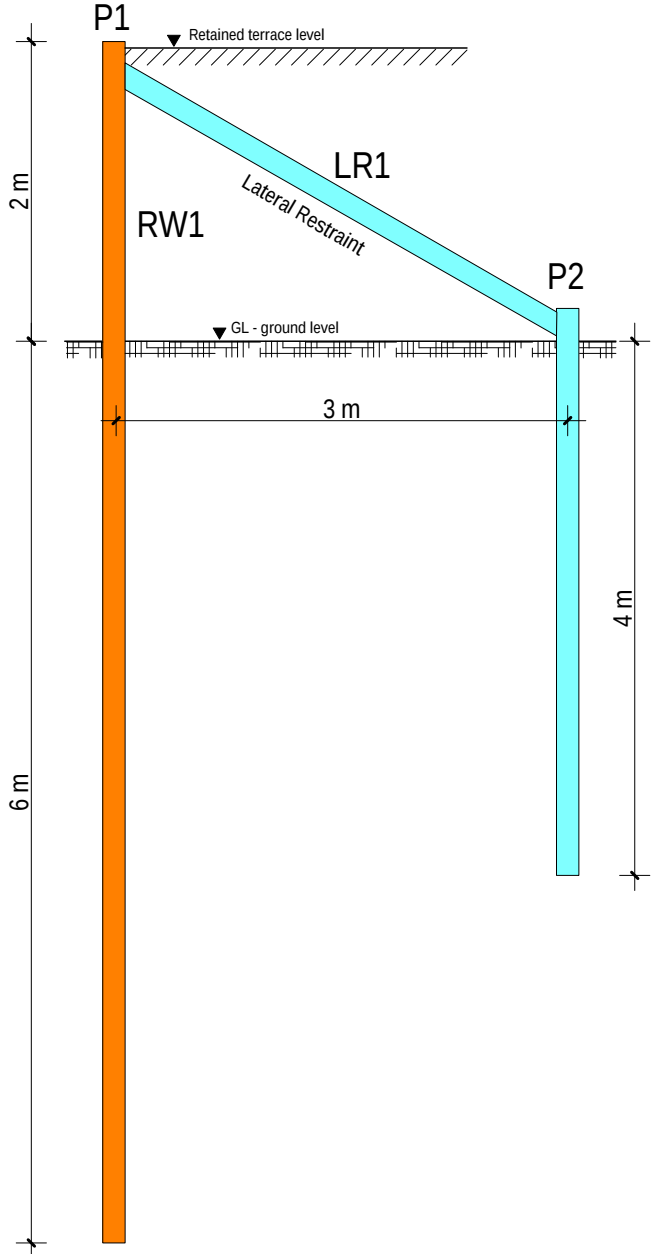
KEY STRUCTURAL COMPONENTS

- P1 - Steel posts forming retaining wall - UC 203x203x46 S275 steel grade set into 300mm boreholes with C35 concrete.
- P2 - Steel posts lateral restraint anchors - UC 152x152x37 S275 steel grade set into 300mm boreholes with C35 concrete.
- RW1 - 2m retaining wall - use 3000 x 1000 x 150 concrete planks stacked on edge and set into webs of the vertical posts P1.
- RW2 - 1.2m retaining wall - use 3000 x 1000 x 150 concrete planks stacked on edge and set into webs of the vertical posts P1.
- FD - French/Land Drains - 80mm (min) perforated land drains encased in course aggregate min 20mm dia, set at the base of each retaining wall, to remove hydrostatic pressure.

01 Section 'A' Retaining Wall

GROUND FLOOR

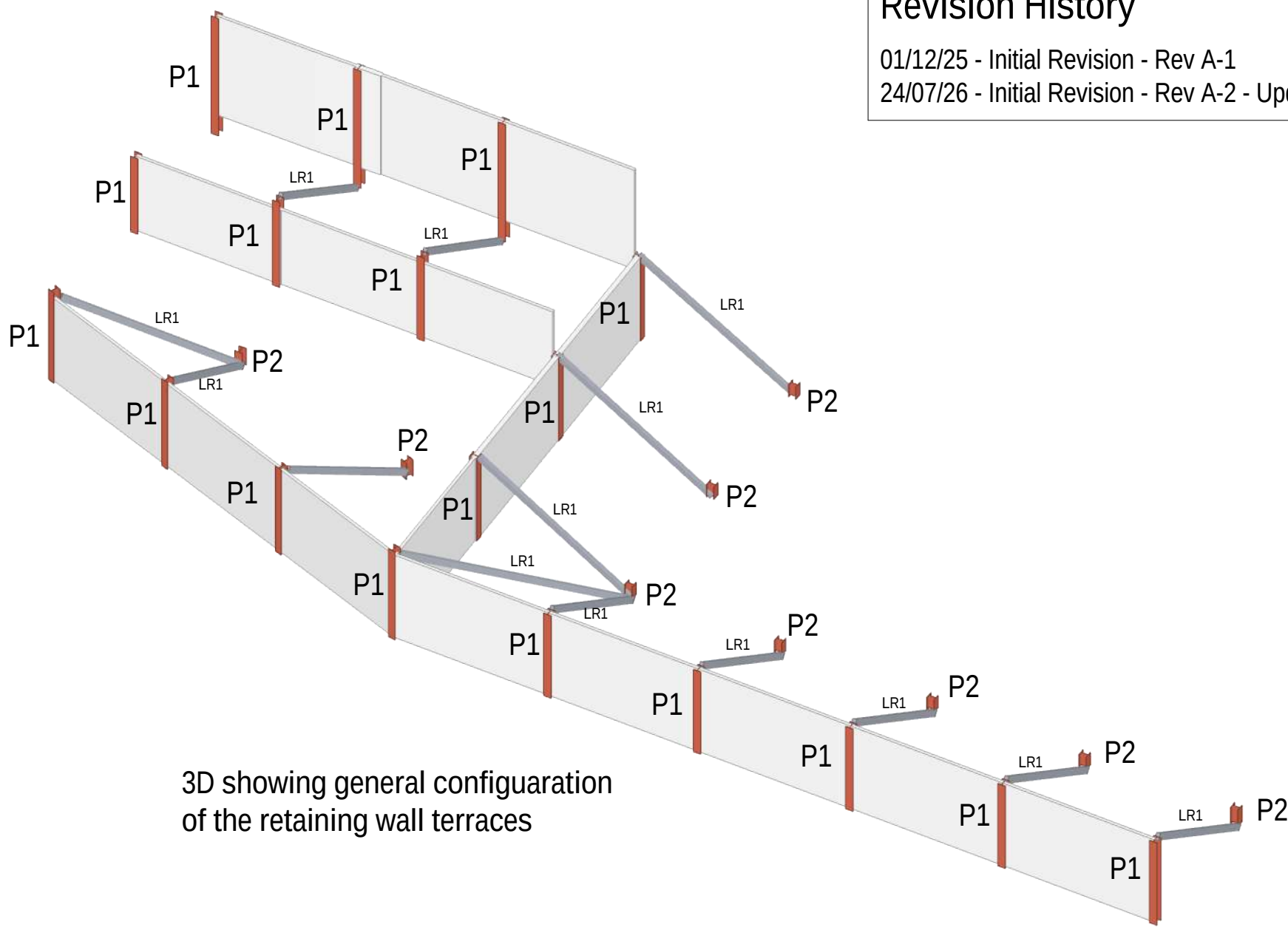
Drawing scale 1:50



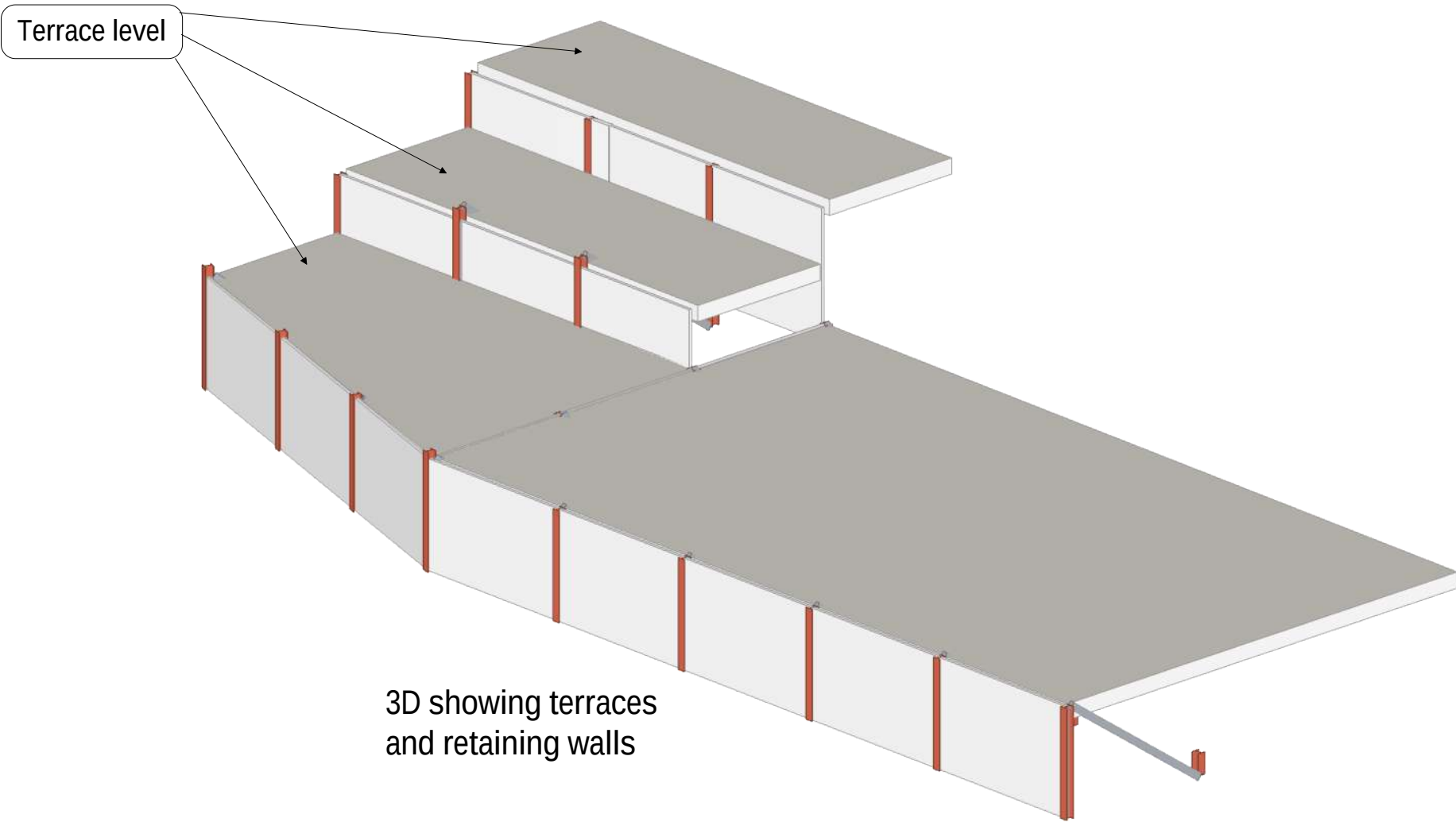
Section through retaining wall



As-build during construction showing RW1 comprising 2 no 3m x 1m concrete planks set into webs of P1 and braced/laterally restrained onto top of P2



3D showing general configuration of the retaining wall terraces

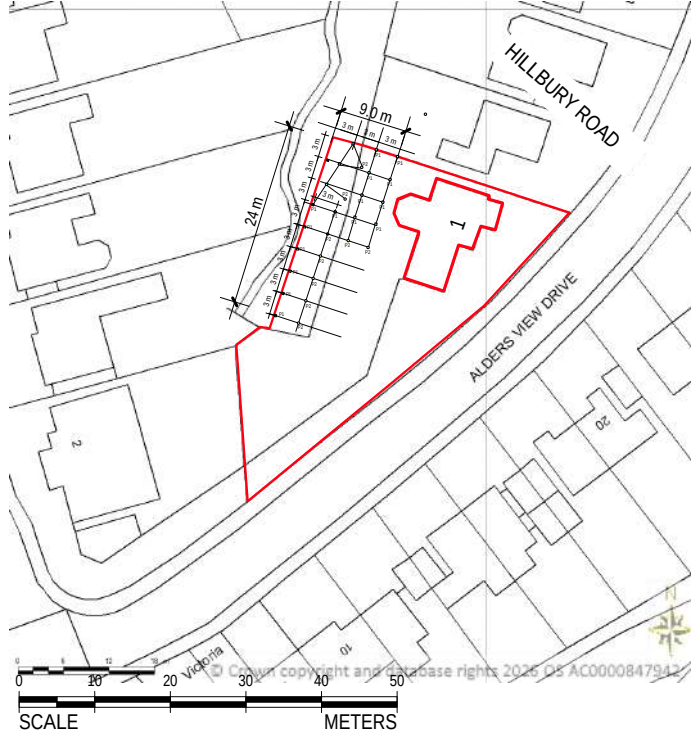


3D showing terraces and retaining walls

01 Site map 1:1000

Site Map

Drawing scale 1:1000



Site plan showing size and location of the retaining wall

Approximate layout of P1 & P2 posts for retaining walls

Revision History

- 01/12/25 - Initial Revision - Rev A-1
- 24/07/26 - Initial Revision - Rev A-2 - Updated retaining wall layout to reflect 'As-Built' dimensions

1 ALDERS VIEW DRIVE

DRAFT

Alders View Drive East Grinstead RH13 2DN	SUBJECT Garden retaining wall	PROJECT 103 STRUCTURAL DESIGN - RETAINING WALL	DRAWING MODEL 103
	DESIGNER Bob Mewies C.Buid E FCAE	CLIENT Dean Taylor	Drawing Scale 1:100 & 1:50
		PROJECT MANAGER	Rev A-2
			24/07/2026