

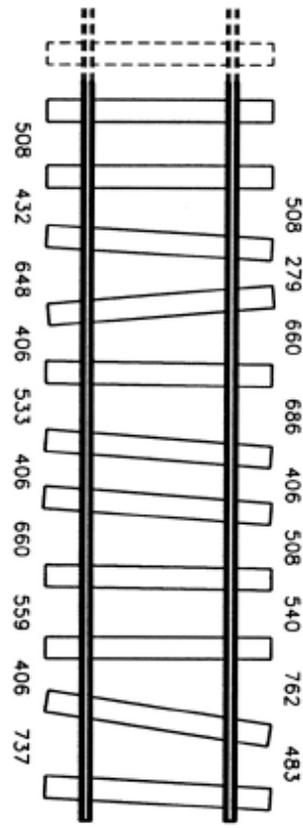
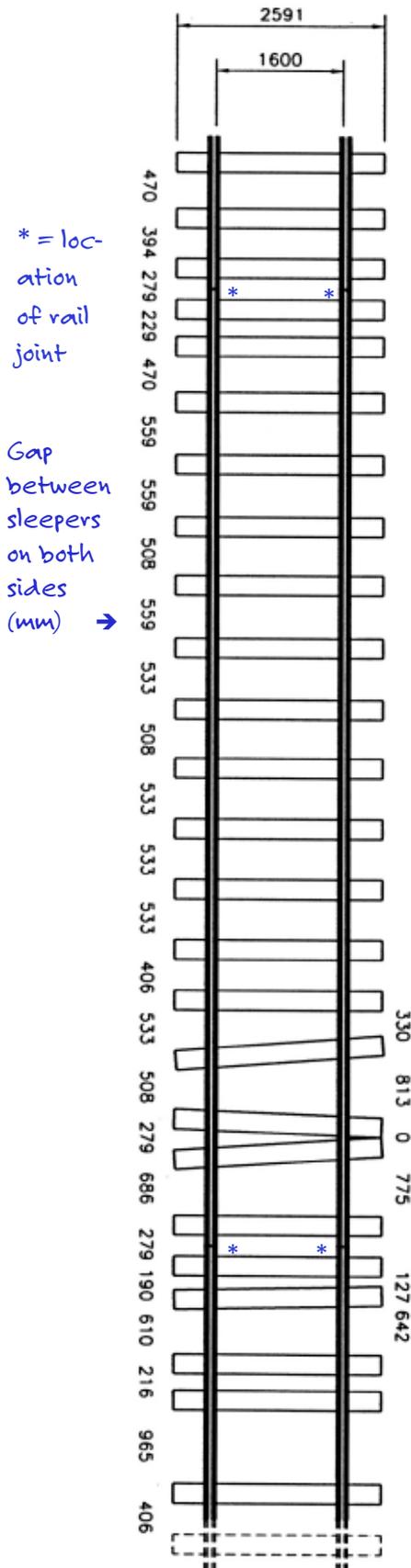
# SAR 1600 mm broad gauge track – unballasted yard track, Waikerie station, 1981

These data sheets are downloadable free from [http://www.sap4group.org.au/downloads\\_and\\_links.html](http://www.sap4group.org.au/downloads_and_links.html)

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Dimensions shown are millimetres, full size. (Measurements were taken in inches, with a tolerance of about ± half an inch; the mm figures shown are simply the result of metric conversion without rounding.)



### Features of this drawing

The track was a siding in Waikerie station yard. Rail was in 12.2 metre lengths. Joints were square (perpendicular).

For half of the sampled track, the sleepers were parallel and very evenly spaced, with gaps of about half a metre. However, in the other half there were some significantly skewed sleepers with gaps from zero to almost a metre. Adjacent to the joints, sleepers were particularly close together.

Sleeper size (timber): 2590 x 254 x 127 mm thick. One was a hogsback, i.e. it was very rounded on the top. Rail weight: worn 60 pounds/yard (= 30 kg/m = code 40 in HO). Baseplates, 254 x 190 mm, were on each sleeper.

Track was laid on very reddish-tan sandy soil (no ballast; occasional naturally occurring limestone rubble). Sleepers were level with the surrounding yard.

### Ensure this drawing is the right size

Having an exact-scale drawing is especially useful when making a jig to ensure accuracy of sleeper spacing. The original was drawn to HO scale (1:87.1). If your computer and printer does not reproduce it at this scale exactly, please follow the notes on other data sheets.

### Simulating broad gauge at 16.5 mm

This drawing is for 1600 mm broad gauge track. In HO scale that equates to a gauge of 18.37 mm. If you want to retain a gauge of 16.5 mm but give the impression of broad gauge, see the notes in the 'Typical broad gauge track with timber sleepers' data sheet.

Cont'd upper right (no joint) ↑

Excluding sleepers adjacent to rail joints: average gap between sleepers 508 mm; average sleeper centre lines 737 mm.