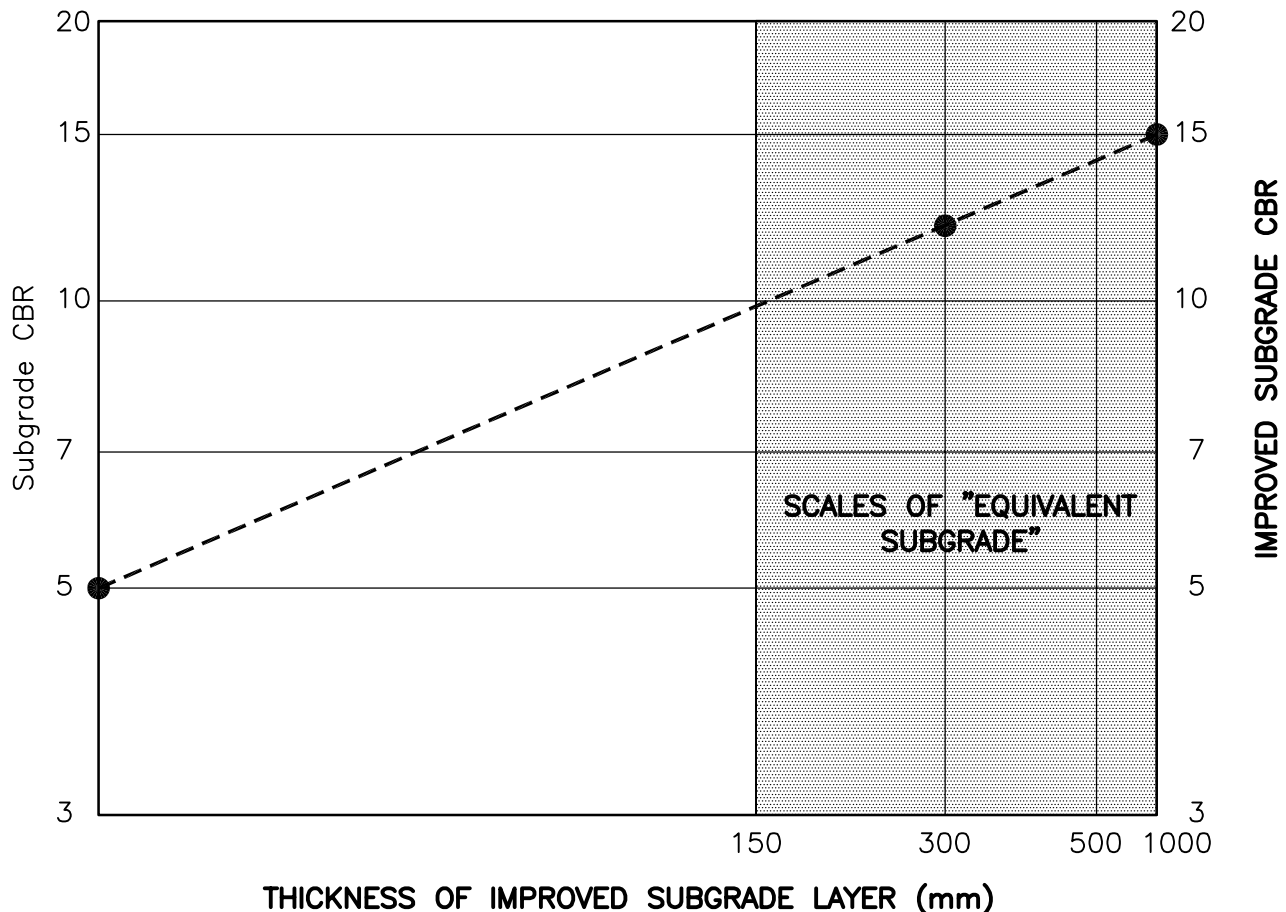


Example:

Subgrade of CBR 5 will be overlaid by 300mm layer of CBR 15 material. Using the methodology below, the equivalent CBR used to represent the two subgrade layers for the design of the pavement is a CBR of 12.



**NOMOGRAPH FOR DETERMINING THE EFFECT OF SUBGRADE
IMPROVEMENT LAYERS
(GRANULAR OR STABILIZED SUBGRADE IMPROVEMENT)**

Methodology:

To use this nomograph:

- 1 Plot the improved subgrade on the right hand side axis and the underlying design subgrade on the left hand side axis.
- 2 Join these two points for an inclined line.
- 3 Rule a vertical line for the desired thickness of the improved subgrade layer from the base axis.
- 4 Where the two lines intersect is the equivalent subgrade strength.



DETAIL:

**EQUIVALENT SUBGRADE
DESIGN CHART**

Engineering
Quality
Standards

DETAIL No:

R7

MANUKAU CITY COUNCIL

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