LINEAR CHANNEL DRAINAGE

The linear drain channel to be laid on a C25 concrete bed at least 100mm thick, and then haunched.
Note that the channel and grating is to sit 3-5mm below the level of the private drive to ensure water can find its way into the drain. The channel is laid onto the prepared concrete bed and tapped down to level using a small paviors' mall or rubber hammer. Once all the channel is laid, then to be haunched to prevent movement. Drain then connected between channel and soakaway and finally, the grating to be fitted.
The linear drain channel to be connected to the main drainage via a pipe union end cap or a bottom outlet section. Both these methods will enable the drain to be converted from a linear drain to a standard, circular sewer pipe which is buried underground and connected to the proposed soakaway.

SOAKAWAY

Drive surface water to discharge into soakaway. Soakaway to be min 5M from any building.

DRIVE WIDTH

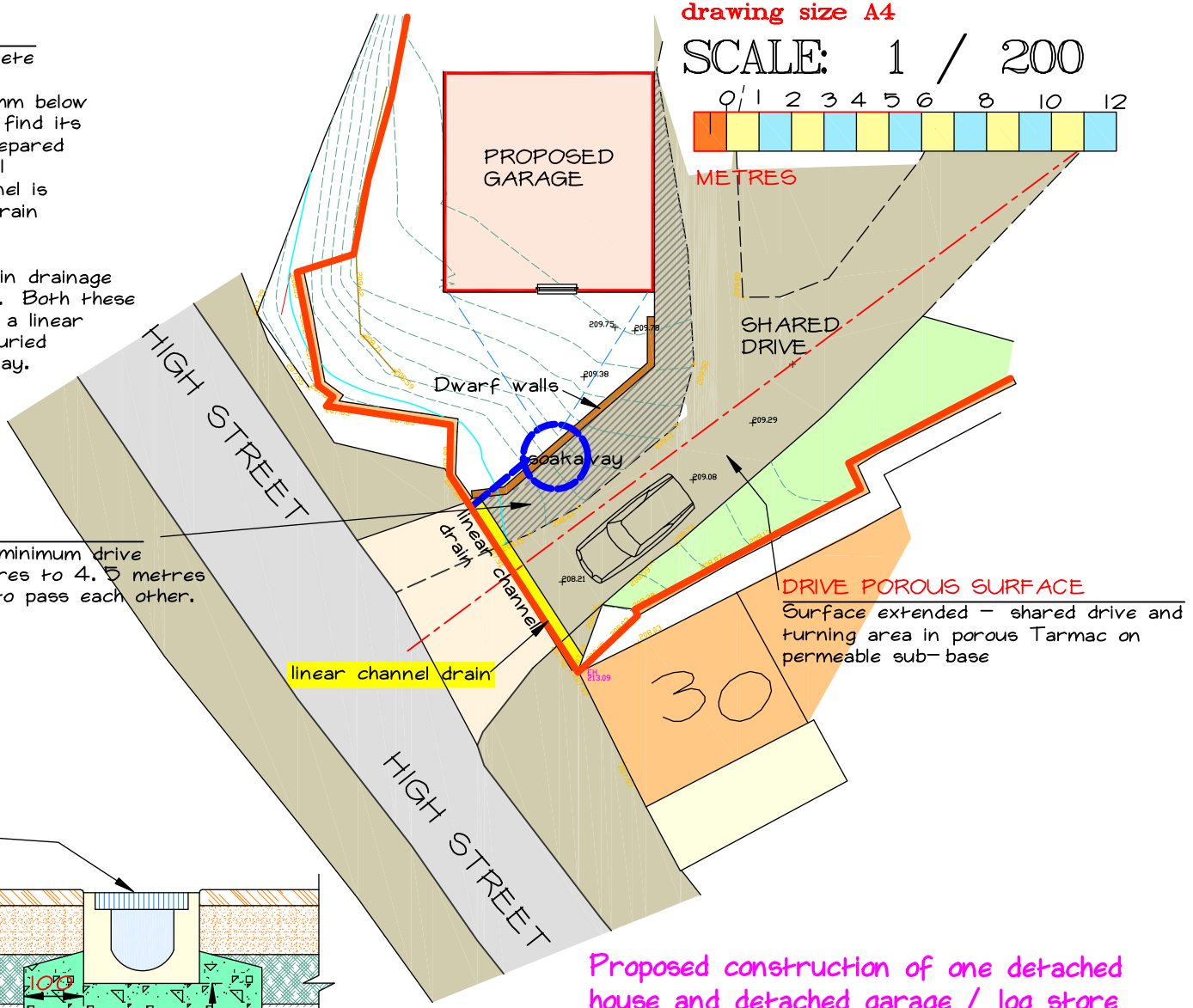
Increase the existing minimum drive width from 2.8 metres to 4.5 metres to allow for 2 cars to pass each other.

drawing size A4

SCALE: 1 / 200

0 1 2 3 4 5 6 8 10 12

METRES

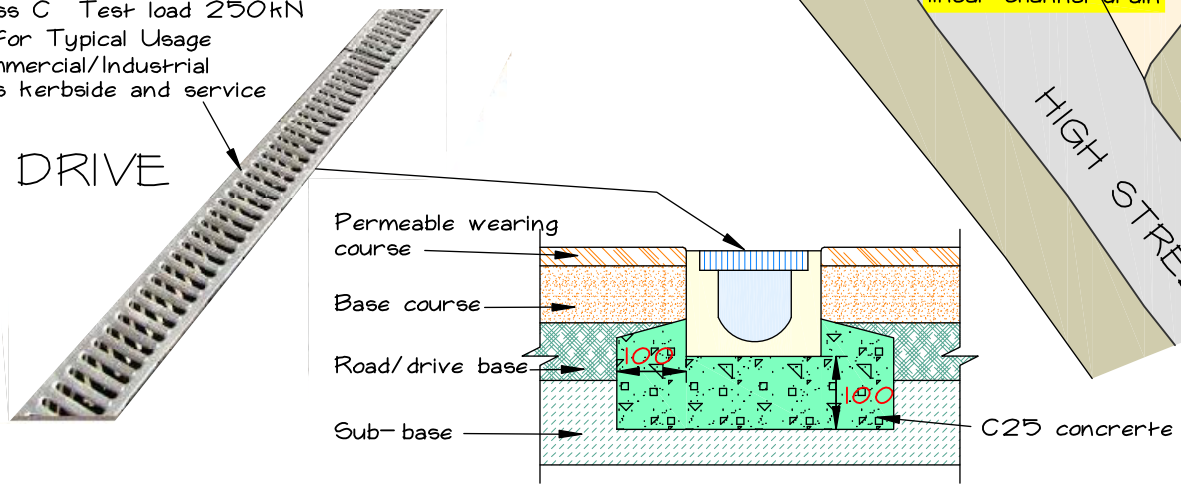


DRIVE POROUS SURFACE

Surface extended - shared drive and turning area in porous Tarmac on permeable sub-base

GALVANISED LINEAR CHANNEL DRAIN

Load Class C Test load 250kN
Suitable for Typical Usage
Small commercial/Industrial car parks kerbside and service stations



LINEAR CHANNEL DRAIN AT BACK EDGE OF BOUNDARY

Proposed construction of one detached house and detached garage / log store
At: Blacksmiths Farm House, Kingsley, Stoke-on-Trent ST10 2AE
For: Mr & Mrs G Ekin

R/51 EKIN A4-1