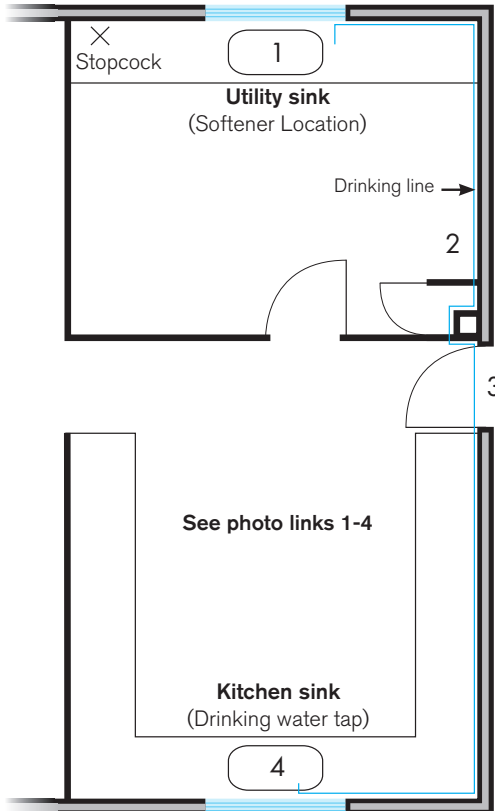




**CUSTOMER: MR & MRS LYPIATT**  
**LOCATION: WILTSHIRE**  
**PLUMBER: CHRIS ROBSON**  
**INSTALLATION: 3MM DRINKING KIT AND KITCHEN UNIT CUT OUT**



This case study helps to show a softener installation with 3mm drinking kit. The plan (bottom left) shows the utility room at the top and the kitchen at the bottom. The numbers 1-4 relate to the different parts of the installation. The softener (1) was located at the utility sink close the rising main. To make it fit, the base of the kitchen unit had to be cut out. The customer wanted to have a hard water drinking tap at the kitchen sink and this was done using the 3mm drinking water kit. The 3mm tube is very small and not easily visible when run along skirting board (2). The mastic around the door frame was cut out to make the tube disappear (3). The tube was then run under some units and into a small storage tank under the kitchen sink to provide pressure to the faucet (4). See the floor plan below for an overview and then follow the step by step pictures to see how it was done.



**1. Softener location - cutting out the base of the unit**

The base measurements of the softener were measured out and the corner was then drilled with a flat drill bit.



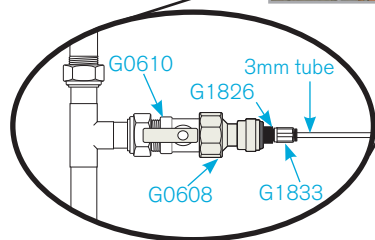
A jigsaw was used to cut out most of the wood...



...but a saw was needed to finish it off.



The bypass was made up with a hard tee to run the 3mm drinking line.



**1. Softener location continued**

The bypass was then put in place and hooked up to the main behind the washing machine with flexible pipe.



With the softener in place, some mastic was run along the seam to make it look tidy.



Tip : If you soap your finger you can smooth the edge of the mastic and it won't stick to your finger.



**2. Skirting board**

The tube can be seen here run next to a phone cable. (Its the smaller one).



**3. Around the door - hiding the 3mm tube**

Here a sharp knife was used to cut out the mastic around the door frame.



Fresh mastic was run over the top to seal it in.



A blunt wood chisel was used to poke the tube into place.



Looks great - completely hidden!



**4. Kitchen sink - faucet**

The tube was then run under some units and pulled through at the kitchen sink.



In this instance a filter was also added to improve the taste.



**Job done!**

The 3mm tube was run into the pressure vessel and a 3/8" feed from the vessel to the faucet.

