

# Working in proximity to mains

## Trial Holes

Trial hand excavations should be carried out to locate apparatus BEFORE using mechanical excavation methods or vibrating compacting equipment. To avoid possible damage and / or disruption of service and repair costs, you are advised NOT to use mechanical excavations or boring plant within 1000mm in any direction or vibrating compacting equipment within 600mm in any direction, but these distances may want to be extended under your own ground evaluation. In the event of any damage to Anglian Water's apparatus, or to any lateral connections as a result of your operations, you will be held responsible for any costs arising therefrom.

Once trial holes have been excavated...

If cover is Greater than 500mm, the main can be left in situ

If cover is between 500mm and 200mm, then the main will need protecting

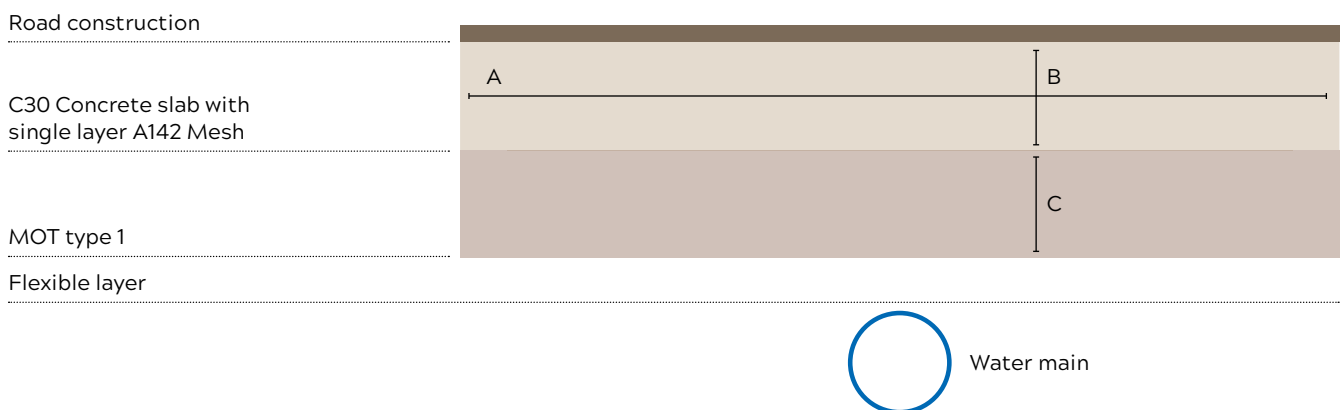
If cover is less than 200mm then the main will need diverting

## Protection details

### Protection of water main by casting of concrete slab

Protective concrete slabs are required when works are within 200 - 500mm of water apparatus, please discuss further with our mains team so that your plans can be agreed and permission granted. Protective slabs are to be used for road crossings and access roads that cross perpendicular to the pipeline. We generally do not protect longer and parallel sections of main as this is not an ideal solution, as this prevents easy leakage detection and makes excavations for repairs more difficult. When water fittings (i.e. Sluice Valves, Hydrants, etc) are present within your works we will require for these to be diverted to a suitable location outside of your works. If this is the case visit [here](#) for further details.

### Typical arrangement:



### Required dimensions:

Main Ø size (mm)	Width A (mm)	Depth B (mm)	Depth C (mm)	Flexible Layer
>50 - <180	800	100	100	0-300
180 - 300	1500	150	200	
>300	2000	200	300	