

# SYLWRAP Case Study

## Underground Clay Drainage Pipe Repair

An underground clay drainage pipe is repaired after being damaged during building works, with one crack severe enough to almost split the pipe into two



*Building work at a UK home had caused ground movement, leading to two cracks to appear in an underground 100mm clay drainage pipe*



*Superfast Steel covered the hairline split across the top of the pipe and was forced into the significant crack next to a junction, almost severe enough to have split the pipe into two separate parts*



*SylWrap HD created a rock hard outer sleeve around the pipe, reinforcing the repair and helping hold the two pieces back together*

### Defect

A homeowner was carrying out building works when an area of their garden became waterlogged. After digging down, they discovered a dislodged 100mm clay pipe with two areas of significant damage.

One crack next to a junction had almost split the pipe into two separate pieces. The junction and uneven surface meant repair could not be made with a clamp.

The other damage area was a hairline split along the top of the pipe. The homeowner wanted to seal both leaks and reassemble the pipe to avoid the cost and disruption which would come with replacement.

### Solution

**Superfast Steel Epoxy Putty** was used to fill both cracks. For the hairline crack, the putty was mixed and pushed firmly down across the top of the pipe. It cover the leak with a super-strong, steel-like material.

More putty was mixed and forced into the larger gap where the pipe nearly separated, bridging the crack with a watertight material bonded to both pieces.

The pipe was then overwrapped with **SylWrap HD Pipe Repair Bandage**. SylWrap created a rock hard outer sleeve, both reinforcing the repair and helping hold the two broken pieces back together.

### Result

Completing the repair took under 30 minutes and cost less than £50 - a huge saving compared with removing the pipe and installing a replacement.

With many clay drainage pipes installed to service UK homes up to the 1970s now reaching the end of their lifespan, Sylmasta expect repairs like this to become more common over the coming years.