



Fibrelite provided a selection of lightweight covers

### Project Overview

JOD Engineering Services LTD approached Fibrelite looking for a lightweight covering solution to replace their existing heavy covers, the client supplies fresh water to millions of homes across the North West of England.

- Custom design to sit within existing frames
- Withstand heavy vehicle traffic – D400 load rated covers were required
- Lightweight alternative – most importantly, the client needed to upgrade the outdated heavy covers in favour of a modern lightweight alternative
- Easy to remove and replace – replacement covers should not require any heavy lifting equipment



Due to the weight and difficulty in removing the covers critical time is lost in emergency situations

### Problem

Ease of access to services below the trench was an issue due to the weight of the covers, making removal and replacement of the covers difficult and time consuming as specialist machinery was required.

- Quick and easy access to the underground water valves is essential for emergency repairs and monitoring when required
- To remove and replace the previous covers a crane was required, resulting in critical time being lost in emergency situations



The covers provided access to underground water valves

### Solution

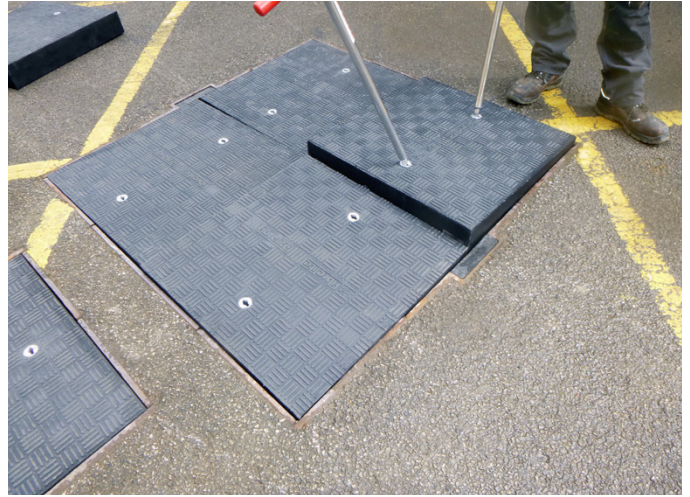
Fibrelite designed and supplied custom trench covers to fit directly into the existing frames:

- The covers were manufactured and delivered to site within six weeks after an order to supply was received
- Best strength to weight ratio available in the market – our D400 load rated covers are lightweight yet extremely durable
- After removing the existing covers, the Fibrelite replacements fitted perfectly into the existing frames

## Results

The client is now able to gain access to the trench pits quickly and easily without the need for any specialist machinery:

- This was very important to the client due to their role as a fresh water supplier to millions in the North West of England
- Fibrelite trench covers can be removed and replaced by two-people using the ergonomically designed FL7 lifting handles
- Pre-existing manual handling health & safety issues were eliminated
- Fibrelite covers are both chemically inert and corrosion resistant



*The Fibrelite D4,00 load rated covers can be easily removed and replaced using the FL7 lifting handles*

### **For more information on Fibrelite's product range please contact us:**

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