LONG ASHTON
Asbestos Removal During Drainage Works

PROJECT SCOPE
A CCTV survey commissioned by the Client and undertaken by others identified a cracked storm drainage pipe within a residential road in Long Ashton. The drainage pipe was suspected to fail so the Client undertook the necessary works to replace the damaged pipe. The works involved a full road closure and securing the working area with Herras fencing. During the works the Client identified the localised presence of Asbestos Containing Material (ACM) (Chrysotile) in fragments of cement bound sheeting, the works were suspended and VertaseFLI was called to assess the site.

VERTASE FLI ROLE
Following an initial assessment of the trench, VertaseFLI proposed to undertake handpicking of the ACM material from the soils. Health and Safety documentation was prepared and a suitably qualified Environmental Engineer was mobilised to site to supervise the works:

- Inductions and toolbox talks were given to operatives prior to works commencing.
- Screening was erected on the Herras panels to prevent dust emissions migrating outside of the working area.
- Ambient air monitoring was undertaken.
- Soils were misted with water to reduce dust emissions.
- Hand picked ACM shards were double bagged and disposed of at a suitably licensed facility.

As the trench was extended, the quantity of ACM shards increased to levels which were not suitable for handpicking, the works were suspended and a revised methodology was agreed:

- VertaseFLI maintained the Health and Safety measures used during the handpicking works.
- ACM soils were excavated and placed in lined 20 yard skips for offsite disposal.

A geotextile was placed under the new pipe, so subsequent workers would not be exposed to ACM soils.

PROJECT OVERVIEW

CLIENT
BALFOUR BEATTY

LOCATION
LONG ASHTON, BRISTOL

PROJECT VALUE
£17,000

DURATION
1 WEEK

SERVICES PROVIDED
- Provision of Health and Safety documents
- Supervision of works, handpicking ACM
- Excavation and disposal of ACM bearing soils
- Placement of a geotextile barrier
- Ambient air monitoring
EXCAVATION ACM SOILS WITHIN THE TRENCH

UNCOVERING THE DAMAGED PIPE WITHIN THE TRENCH

ACM SOILS IN A 20 YARD SKIP LINED AND COVERED PRIOR TO TRANSPORT

PLACEMENT OF THE GEOTEXTILE LAYER IN THE BASE OF THE TRENCH PRIOR TO LAYING NEW PIPE RUN

LAYING THE NEW PIPE THROUGH THE AREA CONTAINING ACM SOILS, COVERED BY GEOTEXTILE

BACKFILLING THE NEW PIPE RUN WITH AGGREGATE