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Certificate Number: NIC 4188
Solar PV



Premier Foods
Fish Dam Lane
Carlton
Barnsley
S71 3HQ

27 July 2023
PE Ref: I2010

Dear Steve,

Premier Foods Trial Pit & Manhole Report

On 6th July 2023, SP Engineering dug 4 No. trial pits in the field for the proposed ground mount installation to establish what the 'linear features' could be that had been identified in the Topographical report produced by Geotec.

The position of each trial pit was marked in the field by Photon Energy on 20th June 2023. The location of the trial pits was measured from three of the manholes in the field. Each trial pit was approx. 0.5m (W) x 2m (L) x 0.75m (D).

All four trial pits once dug, revealed no pipework or clay drains, in fact nothing was immediately obvious that could have activated the ground penetrating radar used for the Topographical survey (Fig 1).

The radar picks up changes in ground density which can be difficult to define. It could simply be a change in ground make-up rather than anything man-made that has been purposely installed or unintentionally left underground. SP Engineering dug the trial pits by hand initially but had to revert to using machinery as the ground became denser and more difficult to dig by hand.

We did locate a cable on the south side of the field that was picked up in the Topographical survey and was quite some distance from a reference point.

We are confident the linear features in Geotec's report are mostly changes in ground density rather than any manmade feature buried in the ground.



Fig 1. Trial pits 1 & 4

On 6th July 2023 Photon Energy were on site to lift all the 8 No. manholes that had already been identified in the field, to establish which drains were in use and which were not. They were also there to accurately locate the manhole on Shaw Lane and manhole 9 on the western boundary of the field (see Fig. 2 below).

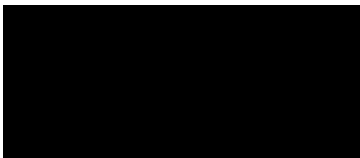
Manhole 9 was not found even after an extensive search in the vegetation and therefore, the exact location of Yorkshire Water's surface water drain cannot be established.

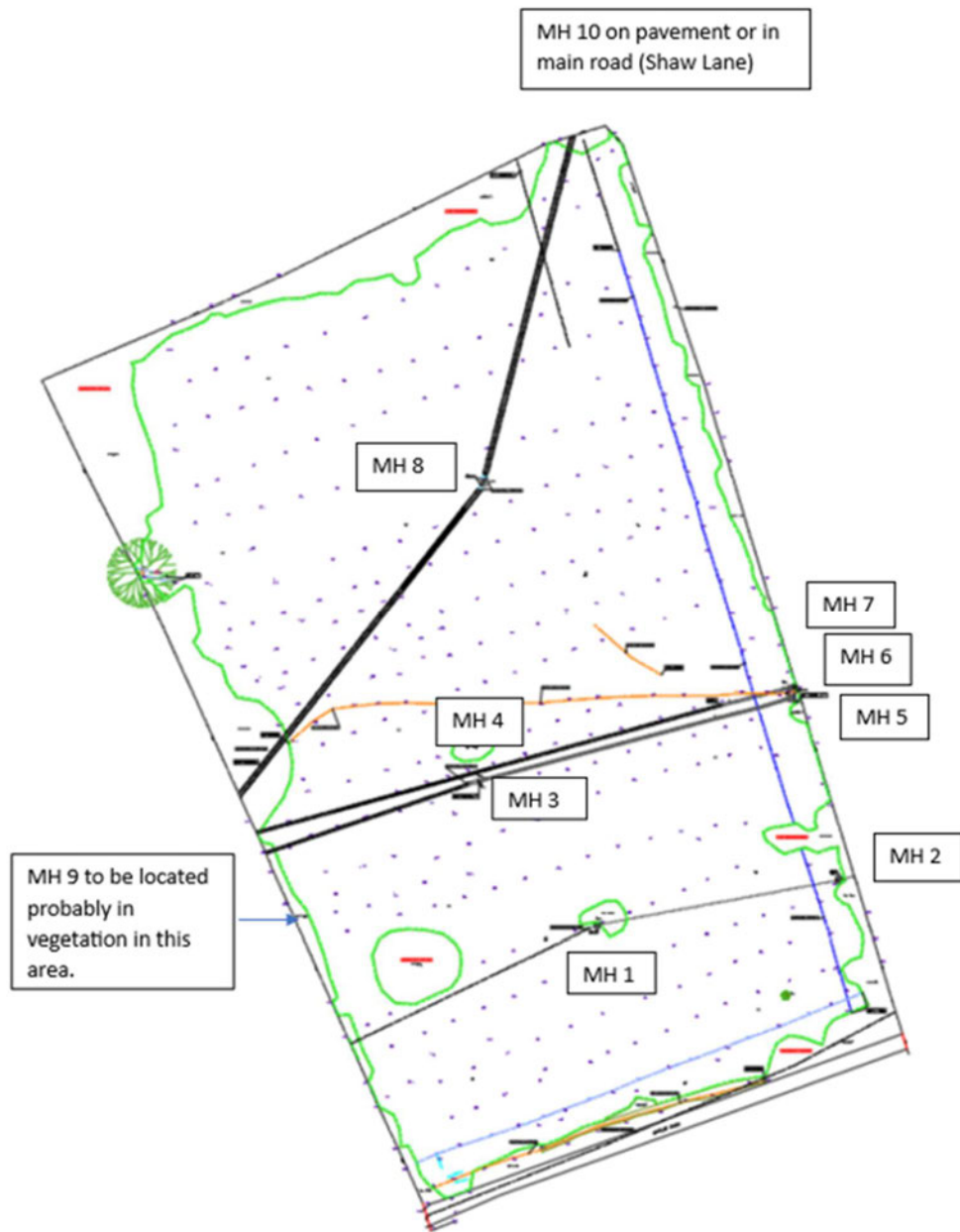
The exact location of the drain from manhole 3 to the west boundary must be confirmed as Yorkshire Water require an easement zone (a corridor) of a designated width so they can access their drains should they need to.

The exact location of the drain from manhole 1 to the west boundary is not as crucial, as Premier Foods may allow the modules to be positioned over the drain as they can be removed to gain access if necessary.

We have now arranged for these drains to be located by Jet Aire using sonar tracing.

Yours sincerely





Manhole 1 & 2 in use (Premier Foods effluent sewer)

Manhole 3 & 5 not in use

Manhole 4, 6 & 7 in use (Yorkshire Water sewer)

Manhole 8 in use (Yorkshire Water surface water drain)

Fig. 2 Site plan showing manholes