**FLOOD RISK ASSESSMENT**

**Cavitech Solutions Ltd.**

**Dorset Avenue**

**Thornton-Cleveleys**

**FY5 2DB**

**Detached Storage Unit**

**Site**

The application site lies wholly within Flood Risk Zone 2 as shown on the attached Flood Risk Map.

The proposals are for a detached single-storey storage unit within the curtilage of the existing business.

The topography of the site is quite flat.

**New proposals**

The proposals are for a detached single-storey storage unit within the curtilage of the existing business.

The building walls will be metal cladding. There will be a solid concrete base.

There will be no new sanitary appliances nor electrical sockets fitted inside the building as is will be used exclusively for storage.

The new rainwater goods will connect to the existing rainwater system.

**Flood Risk Details**

These proposals lie within Flood Risk Zone 2 as determined by the Environment Agency.

However, as this business fabricate plastic items which will simply be stored in this new building, there is no reason to address or install any anti-flood measures beyond the minimum for these circumstances which are:

* Silicone gel around openings for cables etc. - prevents flooding via openings for cables to access properties.
* All manhole covers shall be lockable.

**Mitigation**

Our proposals will have no detrimental effect on the existing drainage systems, water courses or increase the risk of localised flooding.