

## **Addendum.**

### **No1:**

Remediation of chromium in soil @158 Froghall Road, Cheadle, Staffordshire Moorlands

The test results from the above site show a high level of chromium III in the trial pits and drilling notes.

Chromium III is a naturally occurring element in rocks and soil. Natural soil will typically contain between 10 - 50 mg of chromium for every kg of soil.

Chromium is toxic in high quantities to both plants and humans with chromium VI having the most toxicity.

| CRIII                                                                            | CRVI                                                                                           |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Essential nutrients<br>Common in soils<br>Not harmful except at very high levels | Uncommon in soil<br>Main source of contamination<br>is human activity<br>harmful at low levels |

### **Method of remediation**

As a precautionary measure the (Soil Guidance Value) allows an acceptable mean chromium III level of 6 the average of the 4 no trial pits is 18 ,it is envisaged that the gardens to the front of the site (Froghall Road) will be at a reduced level due to the removal of the public house, foundations and cellars , clean hardcore will be used to make up this area, this will also apply to the exiting car park area which as benzo contamination to trail pit no2.

The gardens to the rear of the site adjacent to Hammersley Hayes Road, will also be excavated to a reduced level all spoil will be stored on site and either sealed and banded or removed to a licensed site.

The front and rear gardens to the 8No houses will be finished with 300mm of certified top soil on a Hi visual geotextile terram ( orange) or other , 50mm 75mm turf and landscaping slabs to complete the surface.

**No2**

**Sketch scheme :**

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50 – 75mm turf      slabs

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300mm clean certified soil

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Hi visual geotextile terram -----