

## Princes Parade Development - Site Investigation works - Technical Note

This note has been prepared to provide an outline of the works required to undertake the exploratory site investigation works. This note will provide information on the purpose of the works, a summary of the proposed works, what physical activities will occur and the timescales of the work duration on site.

### **Why the works are being conducted?**

The previous investigation reports conducted at the site have highlighted the historic filling operations. Previous test data has indicated varying levels and depths of material deposits and sampling across the site as a whole is of varied nature.

We are now in search of a more specific data gathering exercise for the approved development layout and specific test criteria with the differing uses in mind.

This will provide Geotechnical and Geo-environmental advice for Road, infrastructure, Leisure Centre, Parks and open spaces and Private Residential Properties. The advice will be used to inform the designs that are developed and the works required on the site.

### **A Summary of the proposed works and duration.**

The testing regime has been developed in line with the proposed development but also in line with ecological constraints plans for the site area.

The proposed works are due to commence on the 24<sup>th</sup> March where ecology support will be provided by Lloydbore for inspection to the work area.

Clearance operation will commence, once an area has been cleared by the ecologist, to provide access routes to individual work spaces, avoiding the constraints on site. A further ecology search will be conducted on the 26<sup>th</sup> March prior to any works commencing to complete the clearance works. This will be carried out by mechanical excavator and chain flail machinery.

The areas to be cleared include small areas of blackthorn and brambles and mostly grass land with one shrub to be removed. We have worked hard to ensure the existing vegetation and habitat is not disturbed unless necessary.

Monday 29<sup>th</sup> March, Small site compound will be formed for site welfare and accommodation on the Western end of hard standing, which is currently a stone capping. Soil investigation plant will be delivered and site briefings carried out and works commenced in the cleared areas.

The scope of works involves

- Mechanical trial pit excavation and sampling – 1-2weeks
- Vertical boreholes using cable percussion methods to retrieve samples from depths up to 35m deep – 4-5weeks
- Window samples using 100mm diameter cores into the ground 1-2weeks
- Water and Gas monitoring works will be undertaken during and after the site works

As the soils make up is varied across the site, testing has been scheduled along the length of the development area to ensure suitable representative sampling has been collected.

The works will be phased on site with certain elements taking longer than other processes overall we are expecting the works to be complete by 3<sup>rd</sup> May 2021.

All excavated pits and work zones will be independently fenced off, excavated materials will be tested and then back filled and capped with the original surface material. Fencing will then be dismantled and re-erected for the next work area.

Due to the excavated material being variable across the site the material will be carefully assessed as it is being excavated and operatives may require to wear masks and paper suits as a safety precaution. All the operatives are trained and competent at conducting surveys of this nature and these precautions are for their safety.