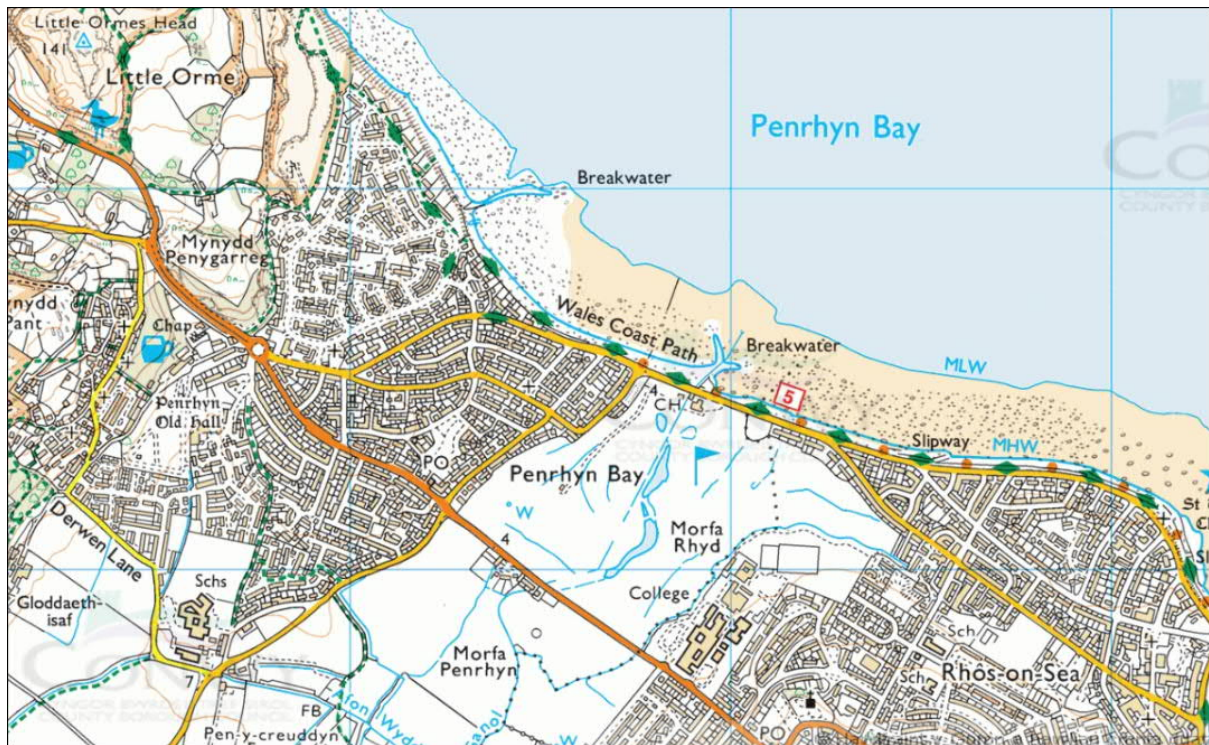


## Method Statement

### 1. Summary

Conwy County Borough Council are commissioning ground investigations to inform remedial works to the existing coastal defences along with the construction of a new control structure at Penrhyn Bay, Conwy. Please see attached drawings for exact location. General location shown below.



## 2. Scope of Works

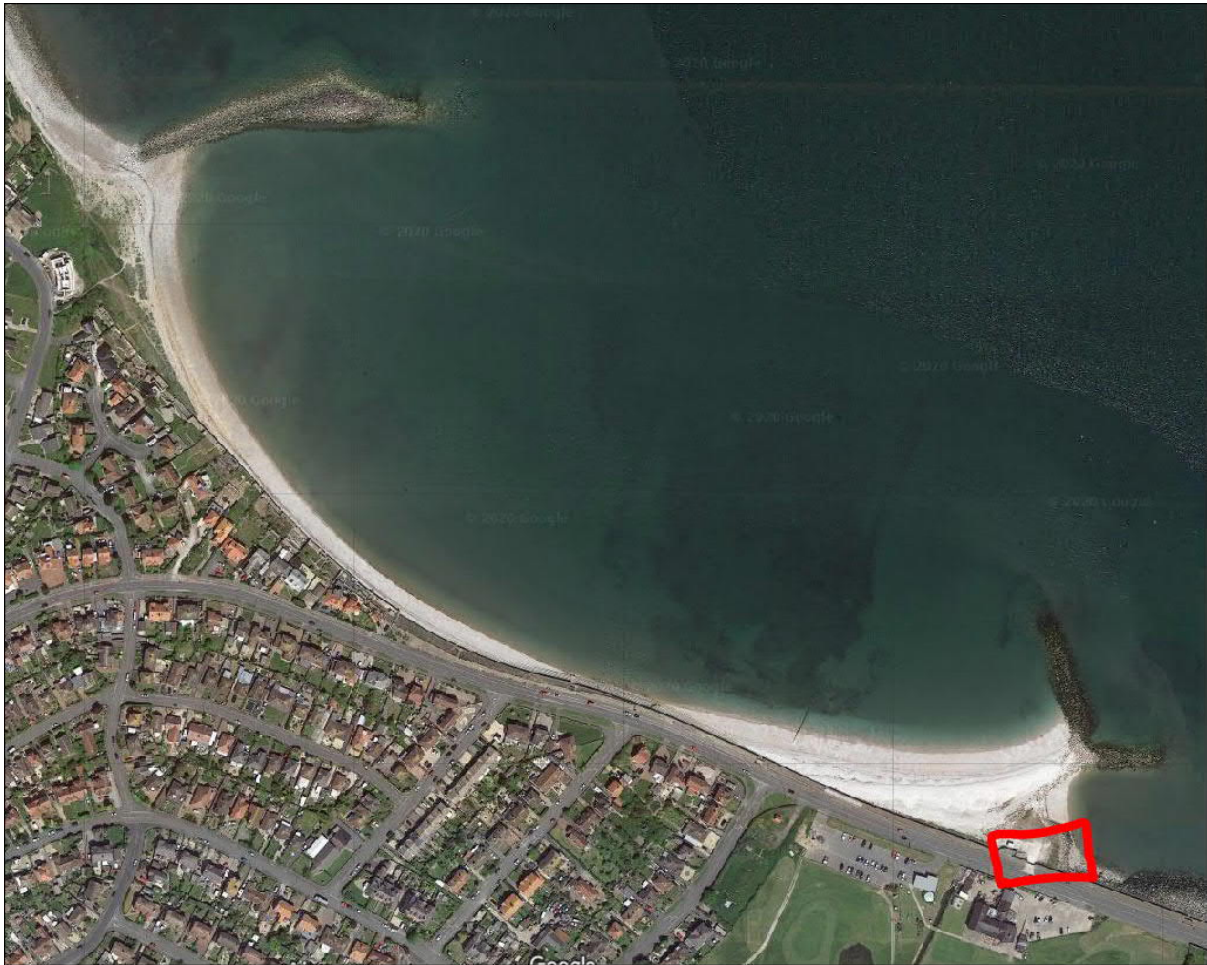
The Ground Investigation will consist of a combination of the following exploratory techniques, all of which will take place above the low mean water mark.

- Trial pits: excavated by hand and by JCB 3CX type machine on the foreshore
- Window / Windowless Boreholes: handheld and using a tracked rig on foreshore, using Geotool / dando terrier type machine
- Boreholes: Cable percussion and rotary on promenade and foreshore, using Comacchio MC 300 type machine
- Machine excavated trenches in front of the existing seawall to facilitate inspection of the foundations. Any rock armour removed in the course of the excavation will be replaced upon completion.
- Hand excavated trenches behind existing sea wall to allow inspection of below ground structure and record dimensions, excavations to be infilled immediately upon completion.
- Non-destructive sizing survey of existing rock groyne, all rocks to be replaced
- CCTV survey of existing drainage infrastructure. May require access from seaward side of some existing outfalls

No construction materials will be used, each exploratory site will be restored immediately after completion.

### 3. Access and Working areas

Access to the foreshore will be via an existing access ramp situated on the promenade, highlighted in red below



All materials and plant will be stored on the promenade adjacent to the site. Materials and plant will be stored in secure containers / compound when not in use. No equipment or plant will be left in the intertidal zone during low tides.

All work will be undertaken during low tides and in accordance with GPP 5 'Guidance for Pollution Prevention – Works and maintenance in or near water'

All plant will access the beach using the entrance shown above. A banksmen will be used when plant is tracking to and from the site of exploratory excavations. All work areas will be cordoned off from the public. Full risk assessments and detailed method statements will be submitted by the contractor for approval by CCBC prior to any works being undertaken. These can be forwarded to NRW if requested.

#### 4. Environmental Mitigation

All work undertaken in the intertidal zone will be programmed to take place during a low tide sequence, no plant or equipment will be left in the intertidal zone over a high tide period. No equipment or plant will be stored on the foreshore, with all plant and material being securely stored on the promenade adjacent to the beach, in secure containers / compound.

In addition to these mitigation measures, the following mitigations will also be in place for the duration of the work:

- All equipment, temporary structures, access tracks, waste and/or debris associated with the works will be removed at the end of each shift
- Bunding, storage facilities and spill kits will be employed to contain and prevent the release of fuel, oils and chemicals associated with the plant, refuelling and construction equipment into the marine environment.
- Plant, vehicles and machinery will not be refuelled on the foreshore
- Coatings and treatments will be suitable for use in the marine environment and are used in accordance with best environmental practice.
- All equipment, materials, machinery and PPE used will be in a clean condition prior to their arrival on site, and upon removal from site, to minimise the risk of introducing non-native species in the marine environment