

SURVEYS



6.0 SURVEYS

As reported in the Beachfront Projects Feasibility Report of August 2021, there will be a suite of surveys and technical reports that will be required to support the development of the Masterplan and any subsequent statutory consent processes, be it Planning, Building Warrant or Marine License. Following the selection of Preferred Options for the Masterplan and the constituent developments, these surveys and assessments can be fully scoped and commenced to align with said statutory processes and consultations. Outlined below is a developing scope for some of the more important detailed surveys to be procured, plus a list of the remaining surveys and assessments that are anticipated as being required.

DETAILED SURVEYS TO BE PROCURED

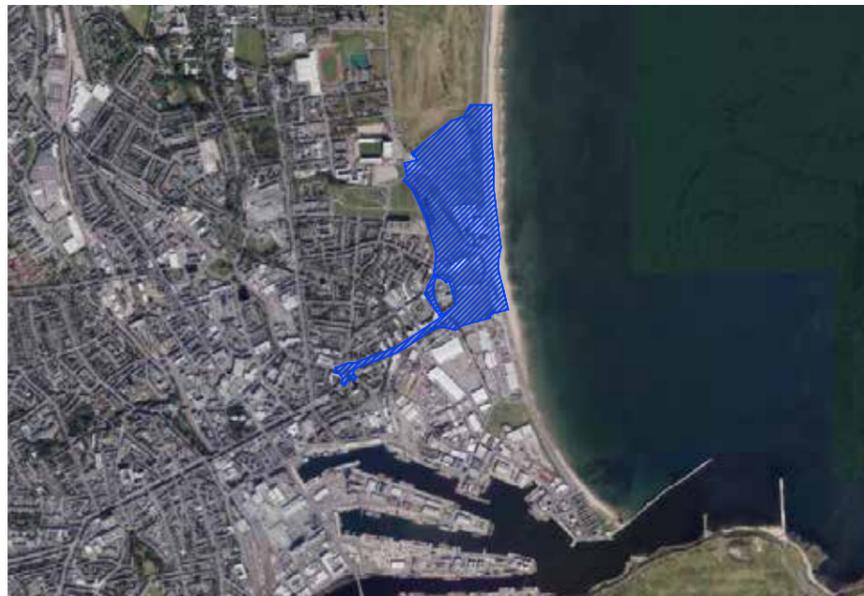
In moving to the next stages of design of the preferred option, the Design Team recommend the following detailed surveys to be procured:

Topographical Survey

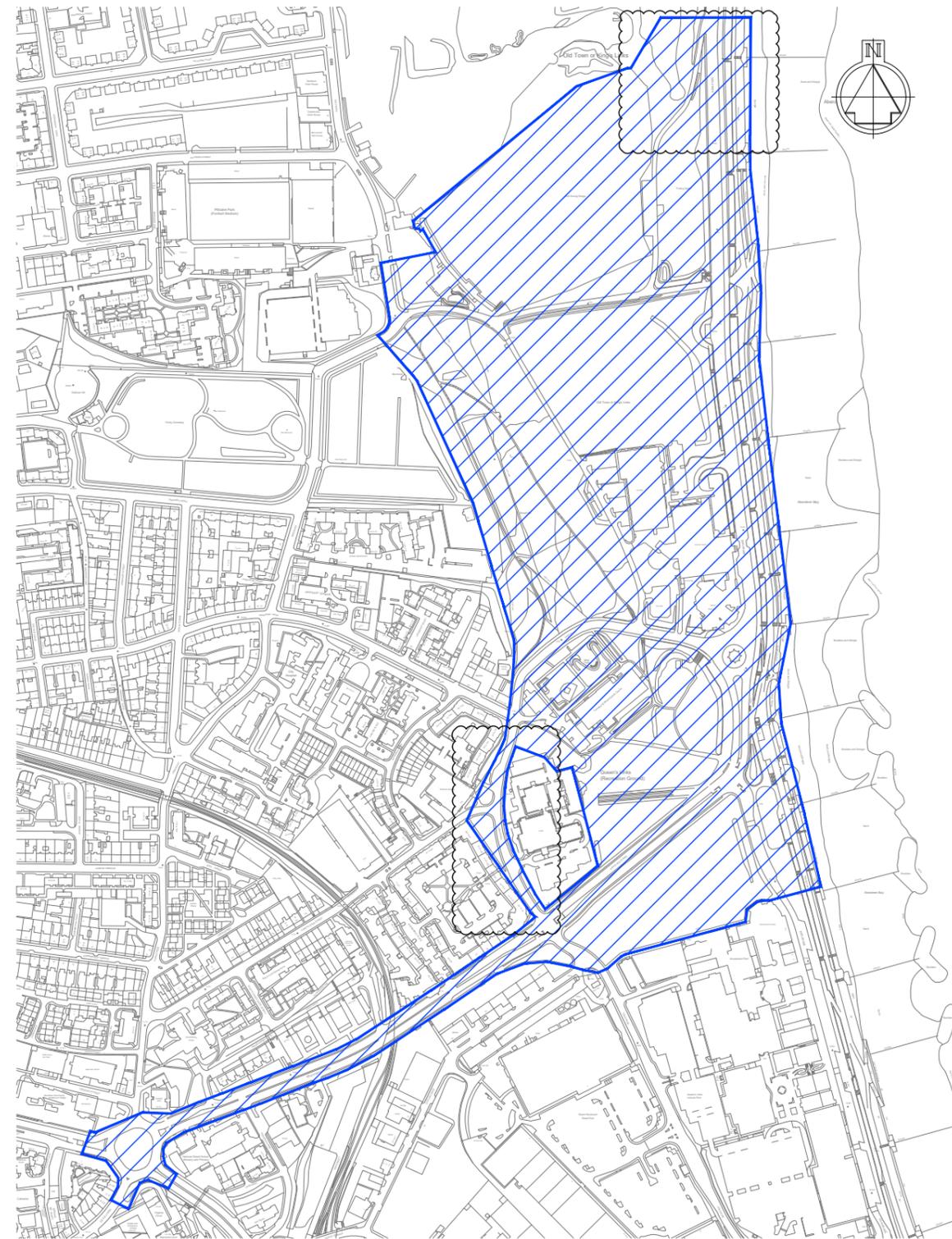
- Extent of survey identified
- Information issued to surveyors to return quotes
- Anticipated timescales are 2 weeks lead in with circa 6-7 weeks on site
- Additional survey works likely to be confirmed on approval of Beachfront design (i.e. pier, boardwalk arrangement and location)

Geo-environmental Desk Study

- Envirocheck report
- Site reconnaissance
- Prepare desk study including conceptual site model to inform future intrusive site investigation
- Detailed unexploded ordnance threat and risk assessment
- Intrusive site investigation will be required to inform structural appraisal



Extent of Survey Identified



Extent of Survey Plan

DO NOT SCALE. IF IN DOUBT ASK. DO NOT INTERROGATE CAD BASE.

 EXTENT OF SURVEY

SCOPE OF TOPOGRAPHICAL SURVEY

1. THE SURVEY LEVELS AND GRID SHOULD BE TIED TO ORDNANCE DATUM AND ORDNANCE GRID REFERENCING SYSTEM
2. A 2D AND 3D VERSION OF THE SURVEY TO BE PROVIDED IN DWG AND PDF FORMAT
3. THE FOLLOWING MAIN FEATURES TO BE RECORDED (WHERE APPLICABLE)
 - DRAINAGE MANHOLE COVERS POSITION AND LEVEL, IDENTIFY FOLI, SURFACE OR COMBINED IF IDENTIFIED ON COVER
 - UTILITY SERVICE COVER POSITION AND LEVEL, AND IDENTIFICATION OF TYPE OF UTILITY SERVICE
 - ROAD GULLIES POSITION AND LEVEL
 - KERB LINES
 - FENCE AND BOUNDARY WALL LINES
 - MATURE TREES, SHRUBS AND SOFT LANDSCAPING
 - BUILDING FOOTPRINTS
 - TOPOGRAPHICAL FEATURES SUCH AS DITCHES, SLOPES, RAMPS ETC
 - STREET LIGHTING AND LIGHTING STANDARDS
 - POSITION OF OVERHEAD SERVICES IF ANY
 - INVERT LEVEL OF DRAINAGE OF ANY MANHOLES OR OUTFALLS IF COVERS EASILY REMOVED AND REPLACED
 - CONTOURS AT 250mm INTERVALS TO BE PLOTTED
4. THE EXTENT OF THE SURVEY SHOULD BE AS INDICATED ON THE ADJACENT PLAN

REV.	DATE	REVISION	BY	CHK
P01	01.09.21	FIRST ISSUE	SC	IPF
P02	11.09.21	ADDITIONAL AREAS ADDED TO SURVEY	SC	ST

ACC CITY VISION
 ABERDEEN BEACHFRONT MASTERPLAN
 ABERDEEN

EXTENT OF SURVEY PLAN

Goodson Associates
 Tel: +44 (0)131 226 2044
 Fax: +44 (0)131 226 3107
 Email: edinburgh@goodsons.com
 Web: www.goodsons.com
 Consulting Civil, Structural & Transportation Engineers
 53 Melville Street, Edinburgh, EH3 7HL
 Also at Aberdeen, Glasgow and Leeds.

STATUS	SUITABILITY
APPROVAL	S0
ORIGINATOR'S JOB No: P15077	
DATE CREATED: 01.09.2021	SCALE: 1:2500 @ A1
DRAWING No: ACB-GOO-ZZ-XX-DR-C-SK005	REV: P02

Review of Pier Structure

- High level commentary on the proposed location and form of the pier structure in the options adjacent to the beach Ballroom
- Review of available bgs data and desk based review of ground conditions to inform potential structure and feedback on architects proposals
- Commentary about the likely requirements for marine licence and pointers to be considered (extent of ownership of foreshore)
- Early commentary on proposed access level and consideration of wave impact

Scottish water and road drainage

- CCTV of existing road drains will be required to confirm current routes of discharge
- Engagement with Scottish Water on existing constraints and capacity
- Avoid existing large diameter sewers or identify diversions
- Identify schedule of accommodation for submission of pre-development enquiry

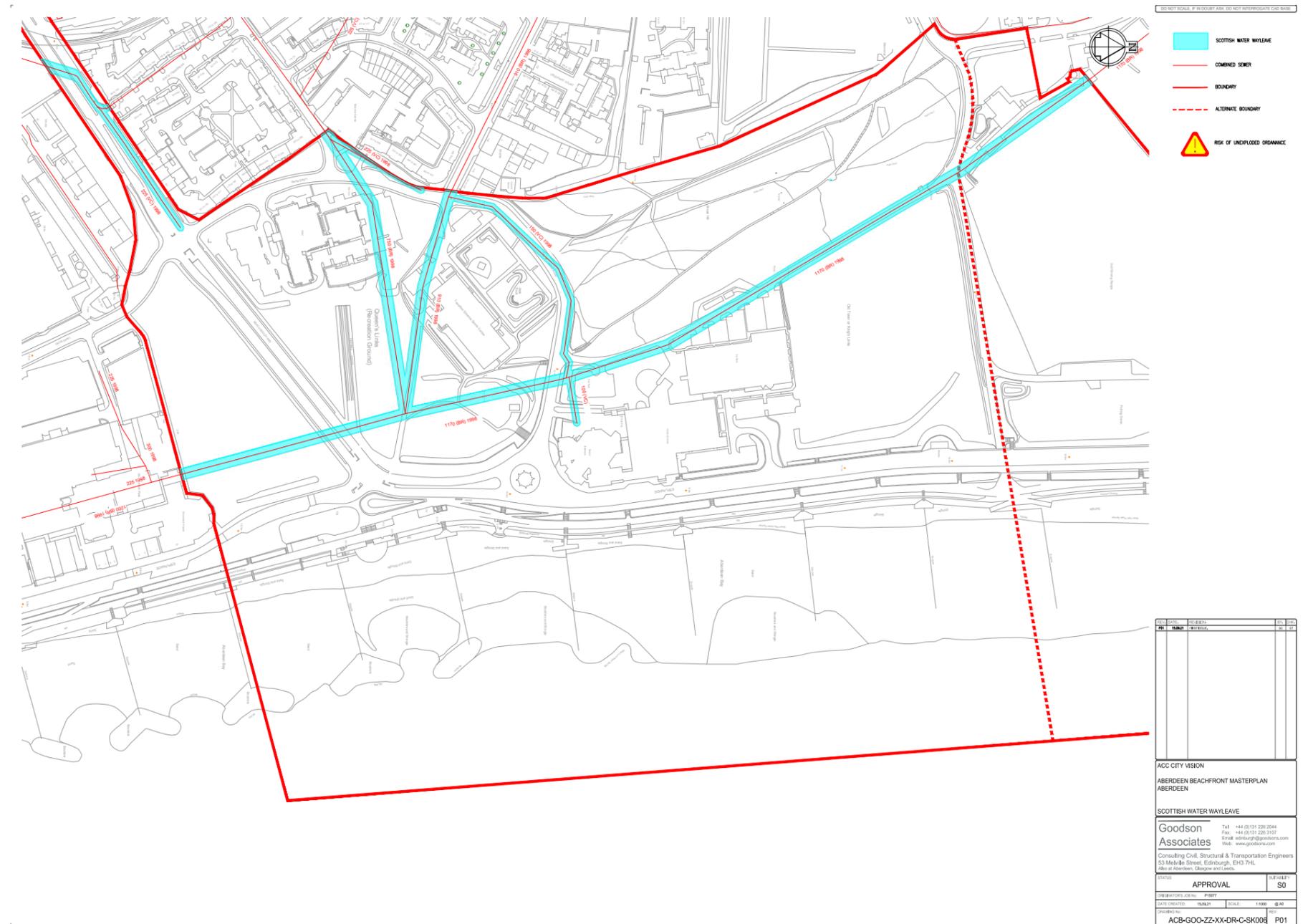
TRAFFIC MANAGEMENT & ASSESSMENTS

A central concept of the Masterplan is to develop the main Beachfront area as largely car-free, to encourage Active Travel and provide a destination for people to enjoy safe leisure and recreational time without having their amenity spoiled by vehicles. The concept requires main vehicle routes to be redistributed around the Beachfront area, while maintaining elements of access for accessible parking, public transport and essential servicing. A Traffic Management Plan, Transport Assessment and Active Travel Plan will be scoped with the Council and relevant consultees following the selection of Preferred Options.

The elements to be considered in these assessments including, but are not limited to:

- Road network changes, including any new roads and stopping up of any existing roads.
- Traffic redistribution, including link and junction capacity impacts.
- Bus journey route changes and service time impacts.
- Review the classification, use and geometry of relevant existing roads, including proposed changes.
- Review the need for redetermination orders on any routes.
- Review the need for core path diversion orders.
- Review on-street parking.
- Review any impacts on accessible parking and electric vehicle parking.
- Review cycleway networks.
- Review of links to the city centre, including enhanced pedestrian and cycle infrastructure.

Please refer to Transportation Briefing Note at Appendix B provided by Fairhurst on elements to be considered and traffic modelling required.



Scottish Water Wayleave

BEACH BALLROOM POINT CLOUD SURVEY

A 3D point cloud survey is required to fully document the existing art deco Beach Ballroom building. The scan will inform the development of all architectural drawing production ensuring that all visible aspects of the existing building, both external and internal, is accurately represented.

A preferred surveyor has been identified and instruction has been received from Hub to engage the services of Scopus Engineering. The survey will be conducted over a period of 5.5 days and will include the scanning of the concealed Ballroom dome.

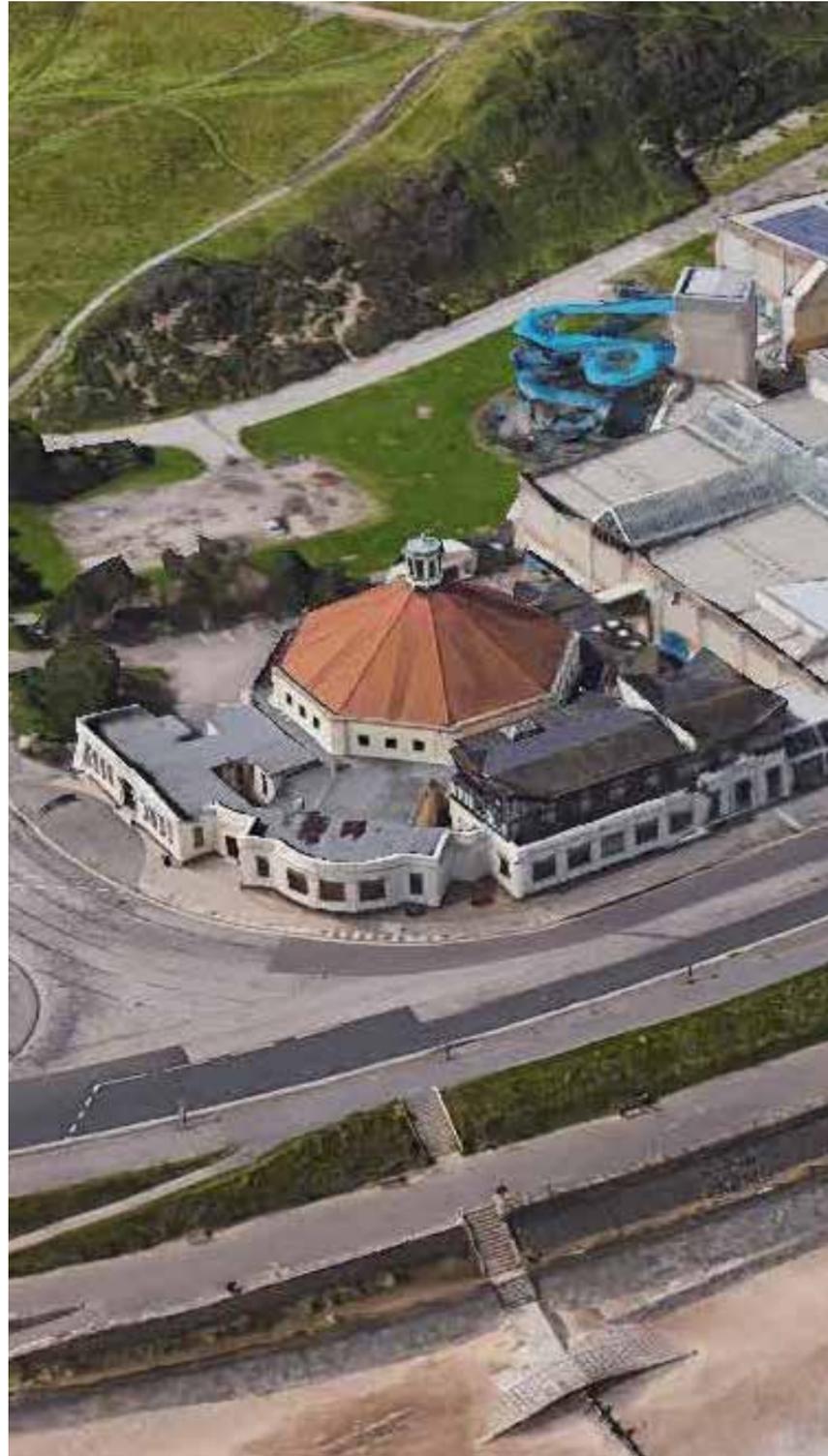
The surveyor is required to provide a point cloud database file (.e57 and recap) and a Revit model delivered to LOD 250 (minimum).

Access will be required to all areas of the building with the assistance of the building manager.

FURTHER SURVEYS

In addition to the above, the following surveys and assessments will be required to support the Masterplan and constituent developments:

- Design and Access Statement;
- Planning Statement;
- Heritage Assessment;
- Ecology and Protected Species Surveys;
- Marine noise modelling;
- Noise Impact Assessment;
- Air Quality Assessment;
- Flood Risk Assessment (inc Coastal Flooding);
- Drainage Impact Assessment;
- Landscape/Seascape (Visual) Impact Assessment;
- Lighting Strategy;
- Tree Survey;
- Wind Microclimate Modelling
- People Movement Assessment
- Acoustics Surveys



Beach Ballroom Survey Zone as Existing

