



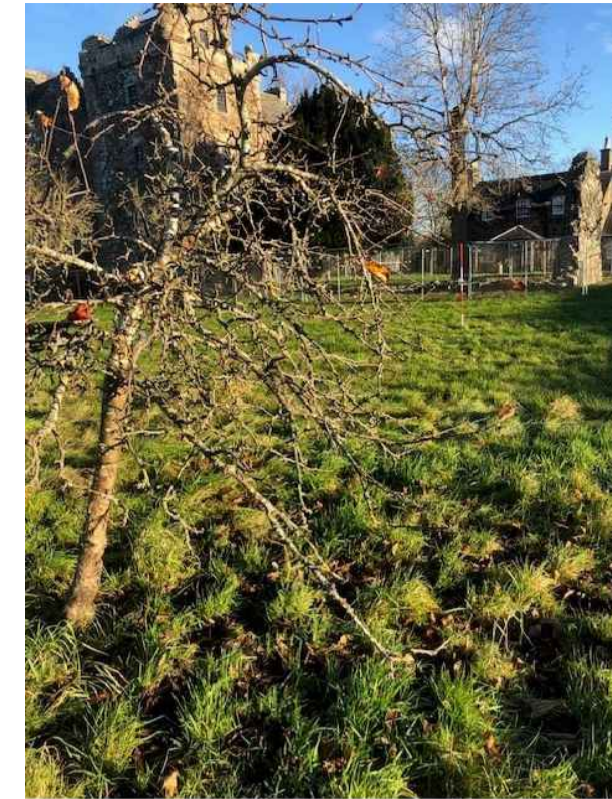
PSM 1



PSM 2



PSM 3



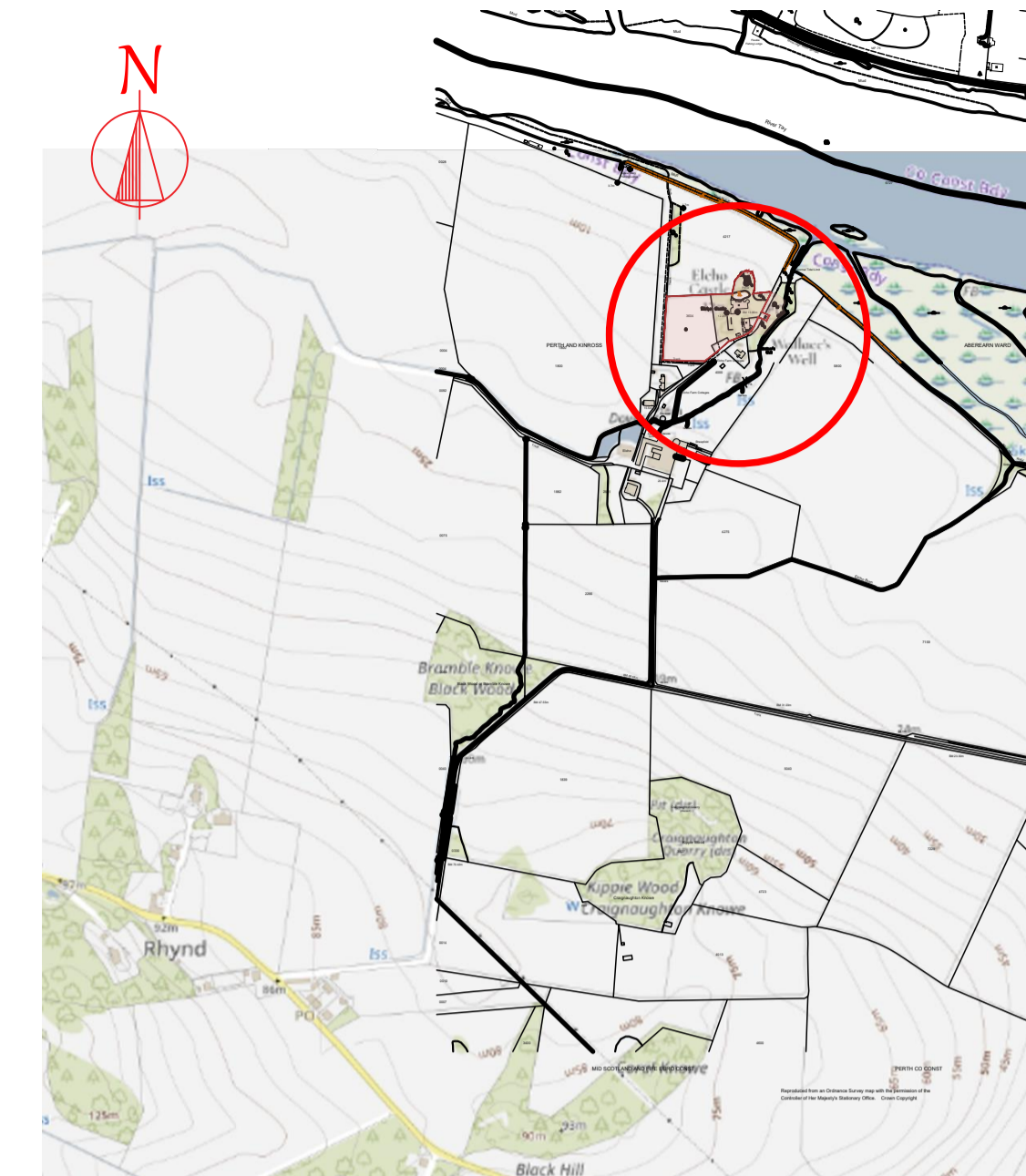
PSM 4



PSM 5



SITE PLAN scale 1:500



LOCATION PLAN scale 1:10,000

HISTORIC ENVIRONMENT SCOTLAND SITES - PERMANENT SURVEY MARKER (PSM) INSTALLATION

GENERAL SPECIFICATION
The following specified types of permanent survey marker are to be used on Historic Environment Scotland sites in accordance with this specification.

Marker types used will be determined by their location. Approximate locations and type indicated and specified elsewhere on this drawing.

The exact locations of each marker will be confirmed on site once sight lines have been determined as part of the survey process. The locations will be recorded as part of the survey.

As part of the location determination, all possible locations for any of the marker types below, to be inspected for signs of habitation by any protected species (both EPS and non EPS) in line with Nature Conservation (Scotland) Act 2004. If any evidence of habitation is noted an alternative location must be found for the marker.

Marker Types:
a) Bornes 'Feno' 350 mm long 19 mm dia. hot dipped galvanised steel pin permanent survey marker (PGM) with 90 x 90 x 65 mm orange polyroc resin head and 3 no. deployable steel anchor wires.

Markers to be set into ground in 125 x 125 x 125 mm pockets. Pockets to be hand dug in required locations - turf plug cut in one piece and retained for re-use over marker head on survey completion.

Prior to insertion of Feno markers proposed location to be tested for possible solid objects below. 400 mm long (minimum) x 4 mm dia survey arrows to be pushed into the proposed location without removing turf to test for solid objects below ground. If no resistance encountered the required pocket can be formed and Feno inserted to full depth. If resistance encountered, marker to be repositioned following previous procedure.

Markers driven into ground in pre-dug pockets using proprietary supplied tools, underside of resin head finishing flush with pocket base. Depending on PGM location and availability of adjacent features to aid in future relocation, MCU to either concrete in the head of the Marker, build small retaining face around Marker position and place a PCC slab square 250mm x 250mm over this, top of slab flush with adjacent turf, or MCU to concrete in the head of the marker and place a natural slate square over this (25mm Ø stainless steel washer to be set in epoxy resin onto outer face of slate to aid in future relocation of PGM), turf thinned to required depth and placed over to conceal location

Feno markers will be located in discreet locations around sites and avoid areas where there is obvious conflict with archaeology and habitations of any protected species.

TEMPORARY SURVEY STATION MARKERS

Temporary Survey Station Markers may be required to carry out the survey. These will be 50 x 50 mm pointed wooden pegs driven into the ground to a depth of 100mm. Exact locations can only be identified by the surveyor as the works proceed. All Temporary Survey Station Markers will be removed on completion of the works.

a) FENO MARKER
4 no. Bornes 'Feno' 350 mm long permanent survey markers (PGM) as specified, driven into approximate locations indicated by X on drawing. All locations have been tested in relation to the methodology in the adjacent specification.

Scheduled area



PSM 6



PSM 7

PSM LOCATION SET OUT DIMENSIONS:
(Dimensions in metres)

- PSM 1 - A = 9.600; B = 18.700
- PSM 2 - A = 8.780; B = 5.740
- PSM 3 - A = 12.100; B = 0.970
- PSM 4 - A = 16.900; B = 12.290
- PSM 5 - A = 3.120; B = 3.060
- PSM 6 - A = 6.030; B = 8.660
- PSM 7 - A = 12.650; B = 24.180

SMC

MONUMENT	Elcho castle	
PROJECT	SMC application for permanent survey markers	
HISTORIC ENVIRONMENT SCOTLAND ÀRAINNEACHD EACHDRAIDHEIL ALBA		
PROJECT DRAWING NUMBER	PIC069-23-12-14-01	
SCALE	1:500, 1:10,000	Draft surveyor JH
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