# MARKER TYPES

a) FENO MARKER
4No. x Bornes 'Feno' 350 mm long permanent survey markers (PSM) as specified, driven into approximate locations indicated by X on drawing.

d) DOME HEADED BRASS SURVEY MARKER
1No. x marker of this type to be inserted into existing Cobble Joints set in pre-drilled hole as specified.
Proposed survey mark location indicated by ● on drawing.

PSM1 - In Turf (Centred on East Gable, Approx. 1.2m from Boundary Wall)

PSM2 - In Turf (Centred on South Elevation, Approx. 1.2m from Boundary Wall)

PSM3 - In Cobbles (At Site Entrance)

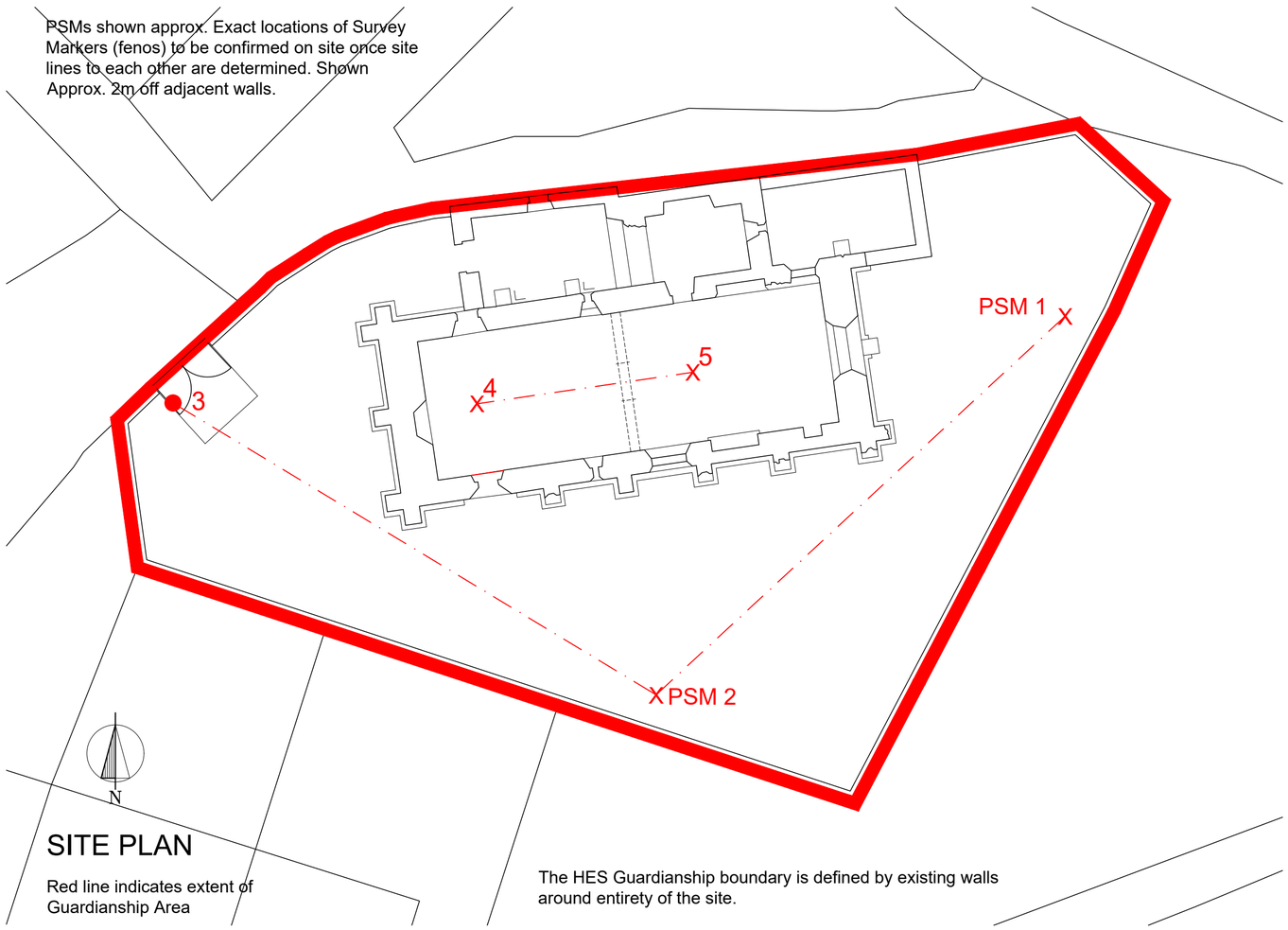
PSM3 - In Cobbles (In Existing Joints)

PSM4 - In Turf (Centred on Internal West Gable, and Entrance Doorway in South Wall)

PSM1 - In Turf (Centred on Internal East Gable, and Door Opening in North Wall)

NB - Precise Type of Survey Marker for PSMs 4 & 5, within the Church, will be determined once existing ground conditions are verified - FENOs proposed. Condition Survey notes that this is gravel sitting on a compacted soil base, but further checking is required.

PSMs shown approx. Exact locations of Survey Markers (fenos) to be confirmed on site once site lines to each other are determined. Shown Approx. 2m off adjacent walls.



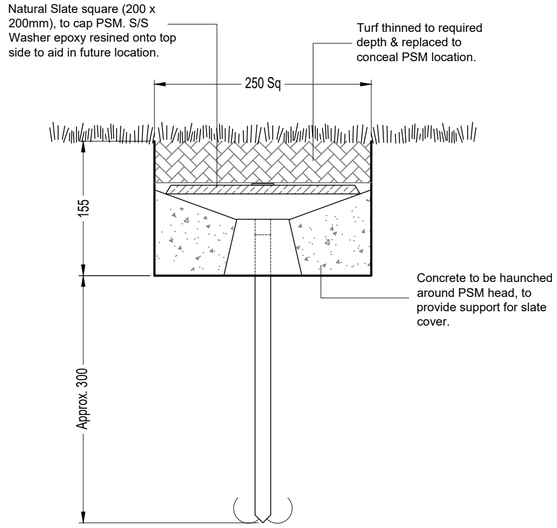

## SITE PLAN

Red line indicates extent of Guardianship Area

The HES Guardianship boundary is defined by existing walls around entirety of the site.

Contains Historic Environment Scotland and Ordnance Survey Data
© Historic Environment Scotland © Crown copyright and database rights 2023
© Copyright and database rights 2023 Ordnance Survey Licence number 100057073

Ordnance Survey Data
You are permitted to use this data solely to enable you to respond to, or interact with, the organisation that provided you with the data. You are not permitted to copy, sub-licence, distribute or sell any of this data to third parties in any form.




Typical PSM Construction 2
Totally concealed PSM

Notes:

HISTORIC ENVIRONMENT SCOTLAND SITES - PERMANENT SURVEY MARKERS

GENERAL SPECIFICATION

The following types of permanent survey markers (PSMs) 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 during the survey process. These locations will be recorded as part of the survey.

Marker Types:

a) Bornes 'Feno' 350 m long 19 mm dia. hot dipped galvanised steel pin permanent survey marker (PSM) 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. MCU to concrete in the head of the Marker, build and place a natural slate square over this (25mm Ø stainless steel washer to be epoxy resined onto outer face of slate to aid in future relocation of PSM), 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.

d) Brass Domed Survey Markers; 10 mm dia domed head, 30 mm long x 6 mm diameter shank, as supplied by York Survey Supply, or equal and approved. Nails to be inserted into pre-drilled holes, (drill bit size - 6 mm) and set in epoxy resin. Underside of marker head to sit flush with fabric surface.

Exact locations for marker types d), determined on site. These marker types only inserted into non historic fabric - ie. modern paving or concrete floor slabs (lime or otherwise) or mortar joints. Which type used dependant on monument location (vandalism/theft potential) and paving material.

All drilling and epoxy work to be undertaken by HES MCU.

**TEMPORARY SURVEY STATION MARKERS**

Temporary Survey Station Markers may be required to carry out the Traverse. These will be 50 x 50 mm pointed wooden pegs driven into the ground to a depth of 100mm, or Survey Nails pushed into ground surface. 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.

**For SMC**

| | |
|---|---|
| MONUMENT | MAYBOLE COLLEGIATE CHURCH |
| PROJECT | PIC APPLICATION FOR PERMANENT SURVEY MARKERS |

HISTORIC ENVIRONMENT SCOTLAND | ÀRAINNEACHD EACHDRAIDHEIL ALBA

| | | | |
|---|---|---|---|
| PROJECT DRAWING NUMBER | | | |
| SCALE | Approx. 1:200 | ARCHITECT | P BEATON |
| DATE | 01 March 2023 | DRAWN BY | R NUTTALL |
| ARCHIVE NUMBER | PIC205 - 018 | | |

© Historic Environment Scotland - Scottish Charity No. SC045925