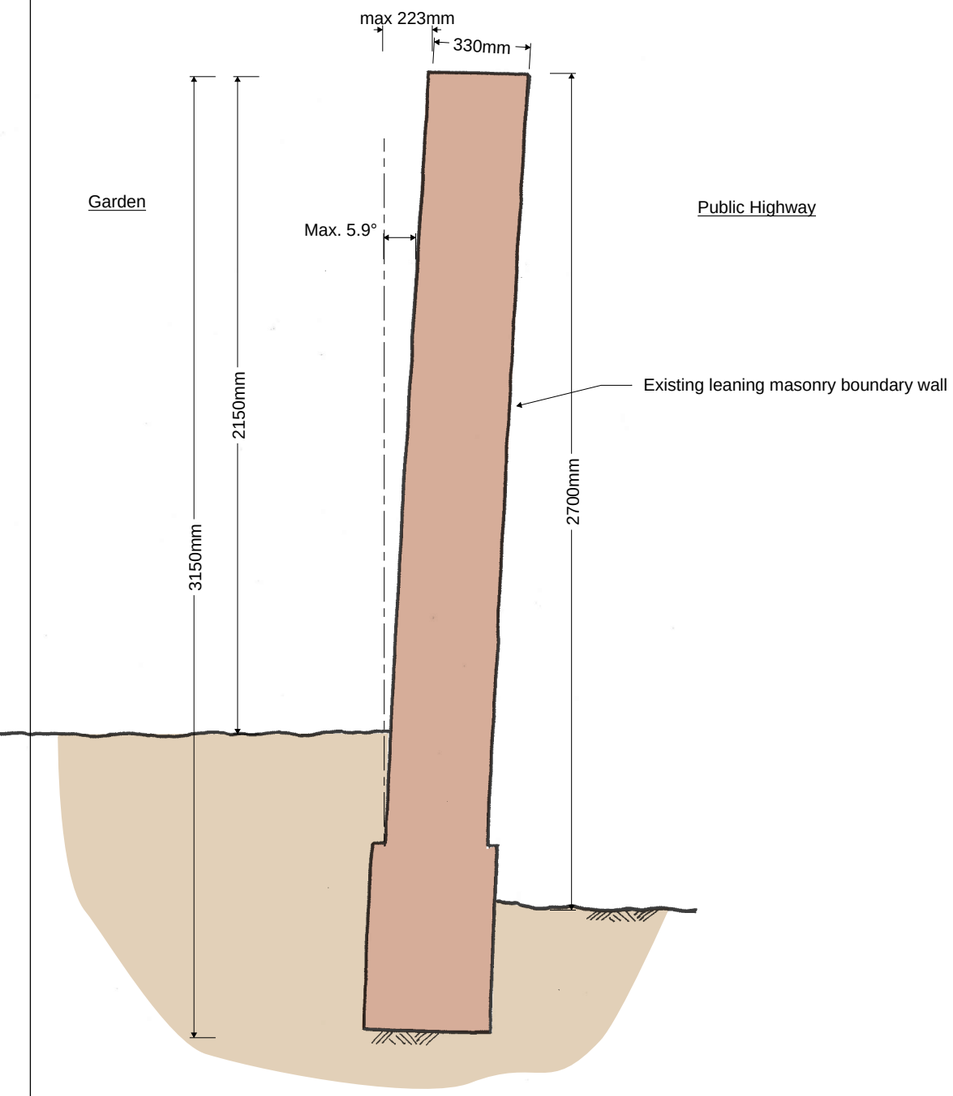
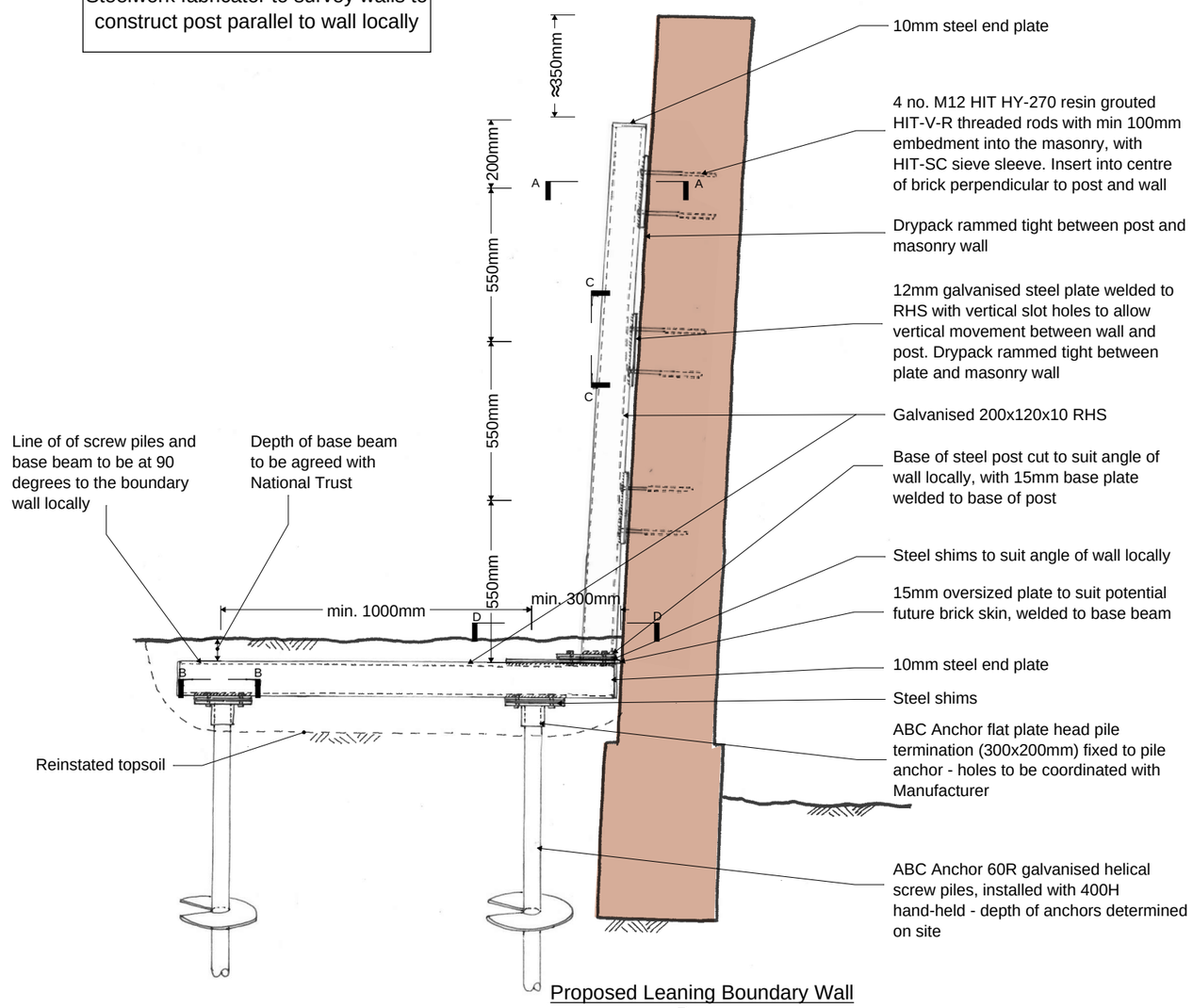


Existing Leaning Boundary Wall
Section
Scale 1:20

Steelwork fabricator to survey walls to construct post parallel to wall locally



Proposed Leaning Boundary Wall Posts
Section
Scale 1:20

Assumed Sequence of Construction

a. Set out the positions of the new steel posts and screw piles based on drawings (GA)004 and (GA)006.

b. Steelwork fabricator to survey the wall where the posts are proposed such that the installed post is parallel to the wall.

c. Once the screw pile positions are set out, install the screw piles with the 400H hand-held. When the screw piles have been installed, excavate locally to allow for cutting the top of the screw piles to the required level (to be agreed with National Trust).

d. Install the ABC Anchor pile terminations, and fix the base beam to the tops of the screw piles.

e. Lightly fix the post base plate to the oversized plate, allowing for steel shims to angle the post parallel to the inclined wall at that location.

f. Mark out the drilling points in the wall for the fixings, using the post as a template

g. Remove the post. Drill and fix resin anchor bolts into the wall.

h. Reinstall post and fix nuts hand tight.

j. Once this is completed, drypack tight between the post and the wall.

k. Fully tighten all bolts and backfill ground.

All external steelwork to be galvanised including shims and fixings

Standard Notes

1. This drawing is to be read in conjunction with all relevant Architect's and Engineer's drawings and the specification.
2. This drawing should not be scaled.
3. All dimensions are to be verified by the contractor on site.
4. All discrepancies should be reported to the C.A. prior to the commencement of the works.

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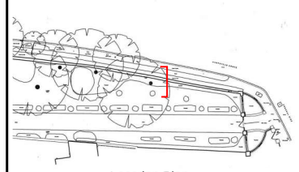
Notes and Keys

1. See drawing 893-07-(GA)100 for General Notes.
2. The existing arrangement of the party wall and the leaning pier is based on observations made by Civic Engineers on 17.09.17, 02.02.18 and 29.02.18.
3. For the proposed details, refer to drawing 893-07-(DE)005.
4. For the locations of the new posts, refer to drawing 893-07-(GA)006.
5. For elevation of the new posts refer to drawing 893-07-(GA)007.



Location Plan

Date	Rev	Description	Drawn	Chkd
04.04.19	C02	Assumed sequence of construction added	DP	RW
15.03.19	C01	Construction	DP	RW

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www.civicengineers.com

Project
Fenton House
National Trust

Title
Leaning Boundary Wall
New Posts
Existing and Proposed Sections

Status
CONSTRUCTION

Scale	Date Created	Drawn	Checked
Scale @ A3	Feb' 19	DP	RW

Project Number	Drawing Number	Revision
893/07	(GA)004	C02