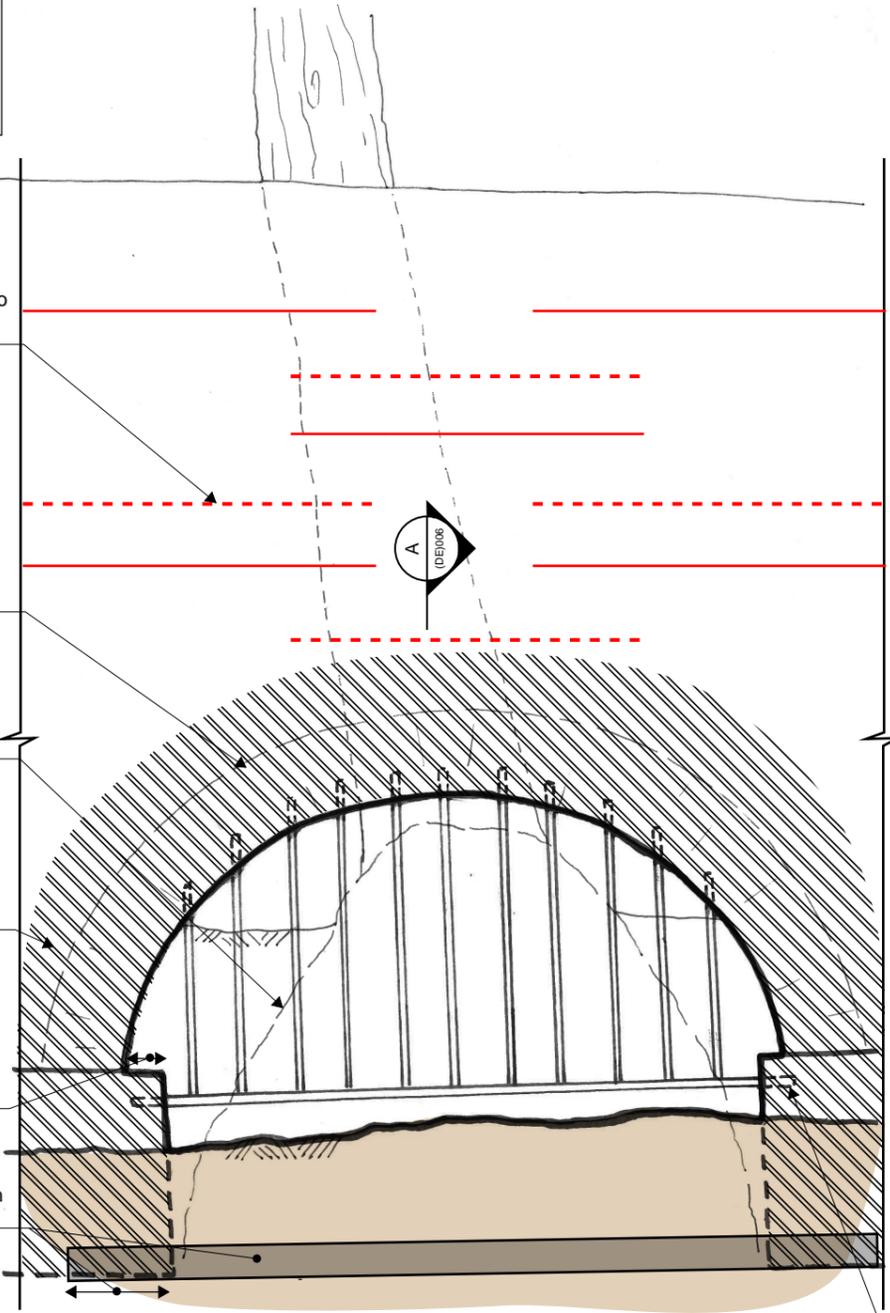


Existing Leaning Boundary Wall
Area of deformation - Elevation

Exact extent of new opening to be discussed and agreed on site with specialist mason

- Existing tree behind boundary wall
- Existing leaning brickwork boundary wall
- Area of observed previous repair to masonry
- Area of void in wall due to collapsed masonry

- Min. 1000mm long HeliBars installed into masonry beds on both faces of the boundary wall, staggered, to Manufacturer's specification at 450mm c/c vertically
- New masonry arch around tree trunk and main root zone
- Indicative area of tree in contact with wall and the main underground root zone - TBC on site
- Make good existing brickwork where new opening formed and pack tightly with new masonry arch
- Min. 100mm
- ER2 Naylor Precast concrete lintel laid on its side in front of boundary wall foundations - min. 300mm overlap with arch footing



Proposed Arch within Leaning Boundary Wall
Elevation

New fencing in opening (by others) fixed to masonry with mortar and min. 50mm embedment, or bolted

Assumed Sequence of Construction

- a. Prop the boundary wall either side of the area of proposed works with raking props to keep the wall from moving further towards the public highway during works.
- b. Once the boundary wall has been appropriately supported, install HeliBars (to Manufacturer's specification) into the wall above the proposed arch location as shown.
- c. Demolish the boundary wall locally such that the area opened allows for the construction of a new arch around the tree trunk and the main tree root zone. Extent of opening to be discussed and agreed with a specialist contractor on site.
- d. Construct the new masonry arch and footings, fully toothed and bonded to the existing masonry. Pack tightly between the new arch and the masonry wall above.

- e. Install a new precast concrete lintel at the base of the walls foundations, overlapping the arch footings as shown, with incompressible fill packed tightly in front of the lintel
- f. Backfill the local excavations.
- g. Install a new fencing in the opening to deter entry through the opening. By others.

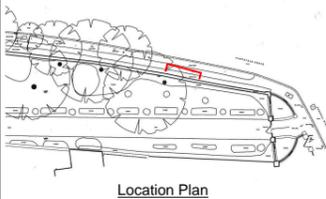
Standard Notes

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 location of the new arch, refer to drawing 893-07-(GA)006.



04.04.19	C02	Fence added	DP	RW
15.03.19	C01	Construction	DP	RW
Date	Rev	Description	Drawn	Chkd



MANCHESTER Carver's Warehouse, 77 Dale Street, Manchester, M1 2BG. Tel: 0161 228 6757
 LONDON Breeds Wharf, 33 Mill Street, London SE1 2AX. Tel: 020 7533 2977
 LEIPS Tower Works, Unit 02-06, Gable Road, Leeds, LS11 5QG. Tel: 0113 2025 130
 GLASGOW Graham Chambers, 45 West Nile Street, Glasgow, G1 2PT. Tel: 0141 370 1829
 www.civicingineers.com

Project
Fenton House National Trust

Title
Leaning Boundary Wall Proposed Wall Arch Opening Elevation and Assumed Sequence of Construction

CONSTRUCTION			
Scale @ A3	Date Created	Drawn	Checked
893/07	Feb' 19	DP	RW
Project Number	Drawing Number	Revision	
893/07	(GA)005	C02	