

Foundation Design Parameters

- This assessment considers a uniform 20m high water demand deciduous tree along the site perimeter treeline
- Underlying strata of the Mercia Mudstone Group has medium volume change potential
- Further consideration will need to be given to proposed trees, and also final details of existing trees whether retained or removed at the detailed design stage

Legend	
Key	Depth of foundation required below existing ground level
	2.50m
	2.00m
	1.50m
	1.00m
	Area potentially influenced by trees



HEALTH, SAFETY & ENVIRONMENT

It is the responsibility of the client to ensure that those undertaking the works are competent and experienced in the type of work to be undertaken.

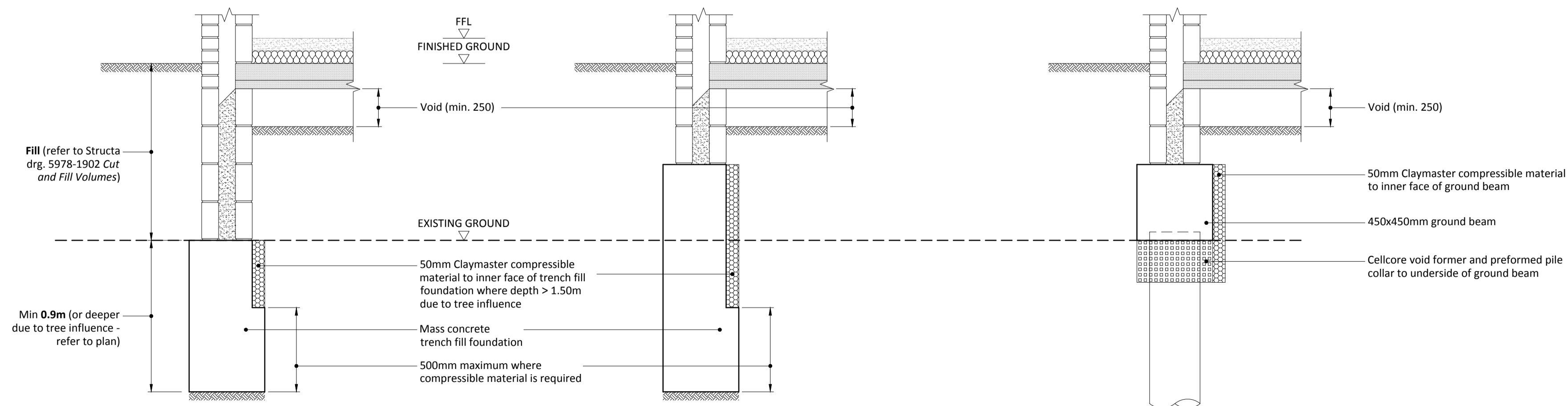
In addition to the hazards usually associated with the types of work detailed on this drawing, the following specific hazards have been identified through design risk assessment. The planning and execution of the works should take into account all usual and specific hazards.

Hazards should also be taken into account in the maintenance, operation, decommissioning and demolition of the works.

None identified

NOTES

1. All dimensions are in millimetres (mm) and levels in metres Above Ordnance Datum (mAOD) unless noted otherwise.
2. The copyright in this drawing belongs to Structa LLP; the designs and details may not be used on any project other than that indicated in the titleblock.
3. Where CAD or BIM files of the drawing are issued, they are provided for the convenience of others, and shall not be used for construction purposes or relied upon for accuracy or completeness.
4. Site ground conditions based upon Geotechnical and Geoenvironmental Interpretative Report by Card Geotechnics Limited, ref. CGE/16484 dated August 2020.



OPTION 1 - Trench Fill
Section Through External Wall Foundation -
constructed *before* ground levels raised
(Scale 1:20)

OPTION 2 - Trench Fill
Section Through External Wall Foundation -
constructed *after* ground levels raised
(Scale 1:20)

OPTION 3 - Piled
Section Through External Wall Foundation
(Scale 1:20)

NOTE
Compressible material and void former only required in areas of tree influence

Rev.	Date	Description	Drawn	Checked	Approved
P4	29.07.21	NOTE 2 REMOVED	KW	TL	MDI
P3	13.07.21	DRAWING RENUMBERED	SIH	TL	MDI
P2	22.06.21	UPDATED TO REVISED LAYOUT	SIH	TL	MDI
P1	15.06.21	FIRST ISSUE	SIH	TL	MDI

FOR APPROVAL

HOODLANDS FARM, HARRY STOKE

FOUNDATION STRATEGY

Structural
Civil
Geo-environmental

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