

GENERAL NOTES

- 1) DO NOT SCALE from this drawing. If in doubt ASK.
2) This drawing is to be read in conjunction with ALL drawings and specifications.
3) All dimensions are in millimetres unless noted otherwise. All notes are in metres unless noted otherwise.
4) Any discrepancies noted on site are to be reported to the Engineer immediately.

FOUNDATION NOTES

- 1) The base specification for foundation works shall be BS8004 (British Standard Code of Practice for Foundations).
2) For details of ground conditions refer to GRM site investigation report PAS323/F dated July 2021. The Engineer shall be immediately notified of any variations to the reported ground conditions.
3) Ground chemical conditions are DS-1 AC-1 (provide CEM1 concrete for trenchfill foundations).
4) Foundations have been designed assuming a net allowable bearing pressure of 110kN/m² at minimum foundation depth of 500mm, unless noted otherwise.
5) All obstructions, old foundations, clamped sewers etc shall be removed for the extent of the foundation works and backfilled to the approval of the Engineer.
6) All strip footings/trenchfill footings are to be set out symmetrically about centre line of supported walls unless noted otherwise. For setting out of necessary step foundations drawings.
7) Unless foundation formations are concrete immediately, then 50mm minimum depth of formwork shall be provided to the underside of the drawings.
8) Excavation side support and removal of groundwater shall be considered upon the basis of the ground investigation report and on-site visual inspection by the NHC Inspector or Engineer. Possible issues with groundwater shall be reported to the Engineer immediately. Retaining may be necessary for midking term stability.
9) No rebar or gas precautions are required.
10) Deepen foundations locally if proposed adjacent drainage and attenuation tanks are lower than scheduled values.
11) The site comprises clays with medium volume change potential and medium dense granular materials. Refer to foundation schedule for appropriate bearing strata.
12) Foundations will need to be designed to bear into blinthead clay or medium dense sand/gravels to achieve the noted bearing pressure if soft strata is evident at scheduled depths.
13) Foundations to be stepped in accordance with NHC guidance while achieving the required depth due to tree influence - refer to typical section for guidance.
14) Foundation depths shown are a minimum and should be deepened by column loads greater than 50mm diameter are found at the stated bearing strata.
15) Any made ground, soft spots, organic or otherwise unsuitable soils shall be removed and replaced with mass concrete if evident at founding level.
16) Heavy plant and stockpiles of materials should not be permitted close to the edges of excavated areas/voids.
17) Foundations may need to be deepened and compressible bearing strata may be required from specialist geotechnical engineers for guidance at the point of construction.
18) If variable strata are encountered within the footing of a single plot the use of S4 concrete to mass fill the majority of the foundation and topped by a wet strip of RC-35 reinforced concrete containing two layers of 5000 mesh is recommended.
19) Foundations to be terminated in the medium dense granular material below soft shallow clays - do not terminate in clays. Deepening to be kept at a minimum to reduce any issues with stable collapse due to the granular strata. If trenchfill excavations are not suitable due to groundwater presence, Ecotech will need to be notified immediately to review alternative foundation solutions.
20) Foundations to bear onto firm clay materials above the medium dense granular strata. If the granular strata is encountered, deepened by 300mm to ensure this is a suitable bearing strata and terminate foundations.
21) Foundations to be terminated in the medium dense granular material below soft shallow clays - do not terminate in clays. Deepening to be kept at a minimum to reduce any issues with stable collapse due to the granular strata. If trenchfill excavations are not suitable due to groundwater presence, Ecotech will need to be notified immediately to review alternative foundation solutions.

LEGEND

Denotes plot assumed as trenchfill, additional ground investigation required to confirm suitability of trenchfill strata to support foundations. Issues with granular bearing strata and groundwater levels. Tree influence ignored as plot will bear solely on granular strata.

Denotes plot assumed as trenchfill, additional ground investigation required to confirm suitability of trenchfill strata identified in TP06 which may result in the requirement for piling due to unstable levels of settlement.

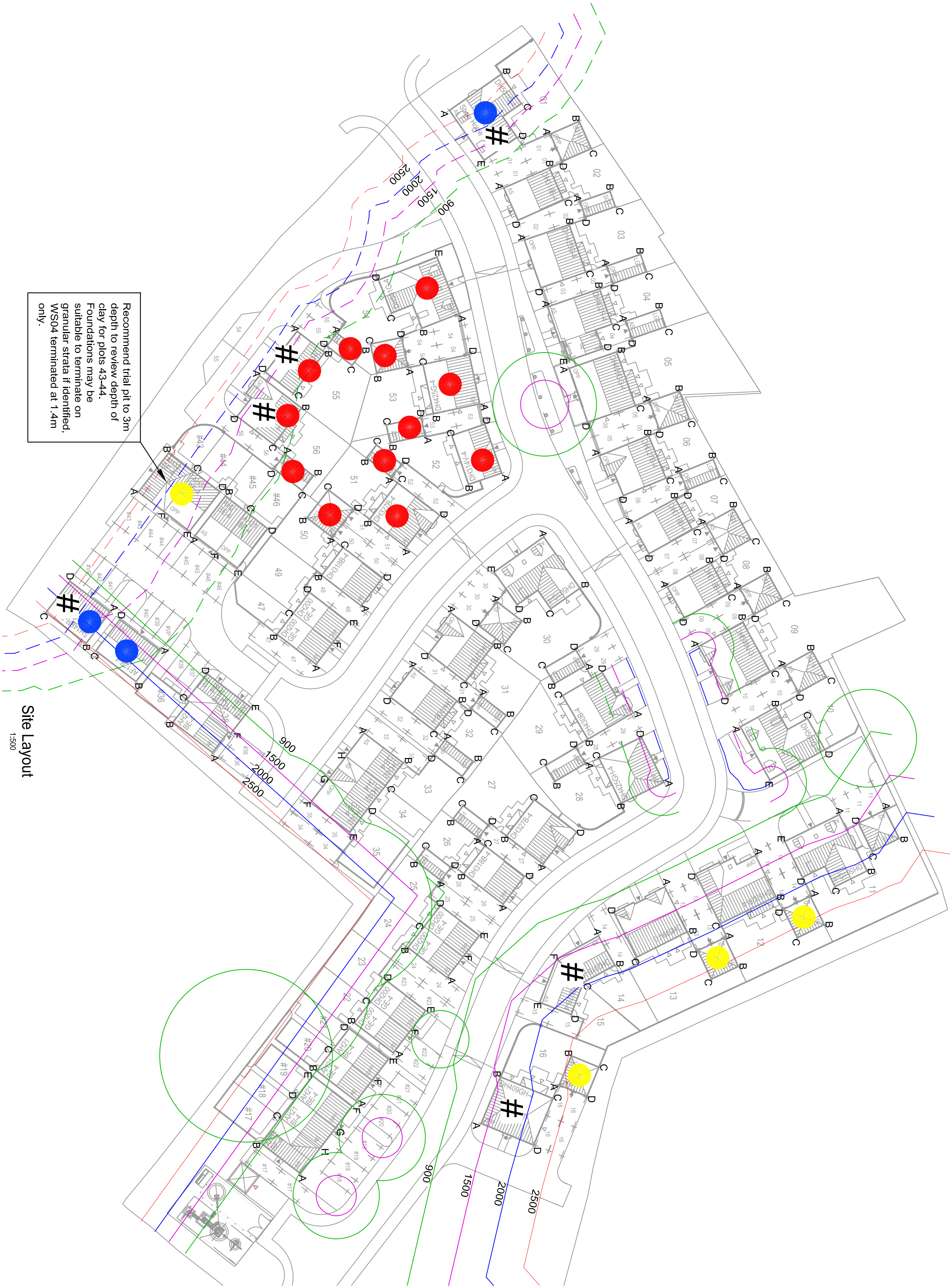
Denotes plot requiring stepped foundations solution and heave precautions due to tree influence exceeding 2.5m

Denotes plot requiring heave precautions due to tree influence

Denotes minimum foundation depth (mm) due to the influence of existing/proposed mature height trees - foundation depths to be taken from existing ground level

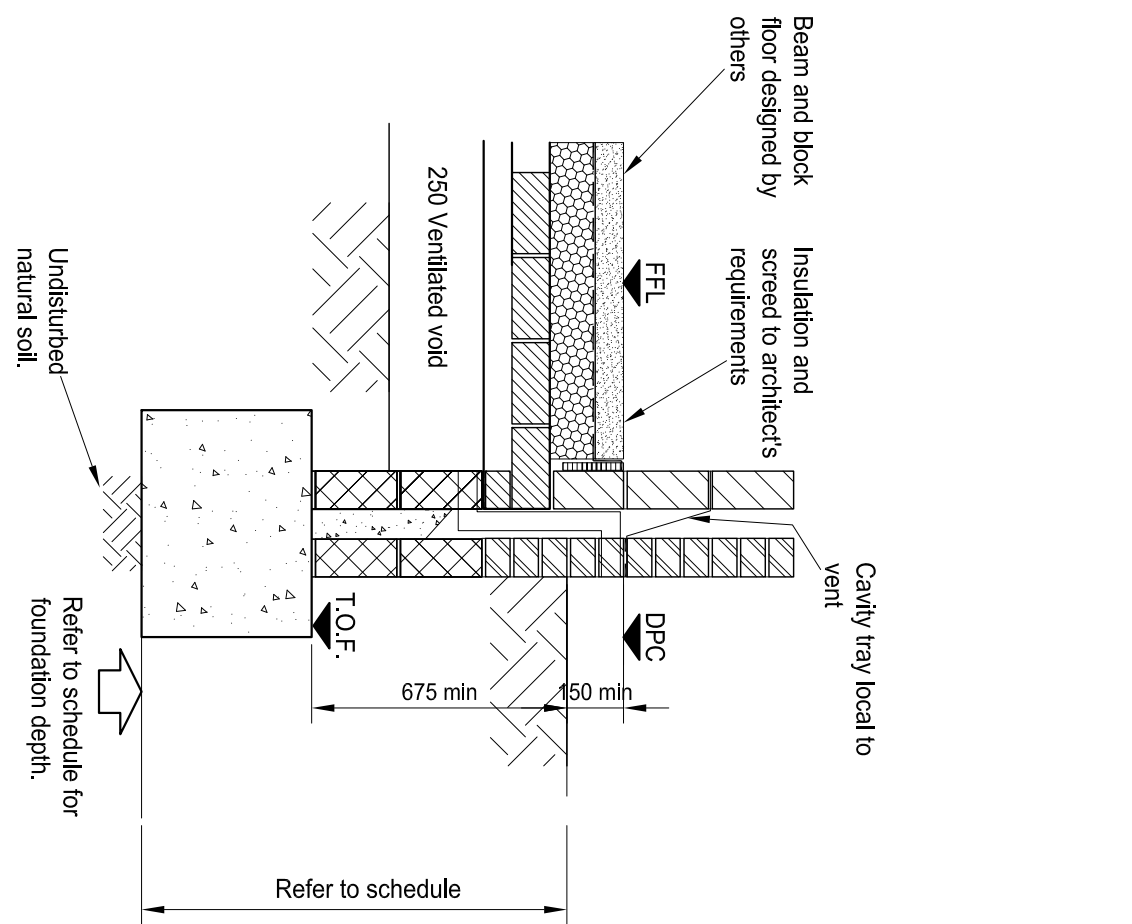
Foundations to be stepped in accordance to NHC guidance while achieving the required depth due to tree influence - refer to typical section for guidance

FOR FOUNDATION SCHEDULE REFER TO DRAWINGS E23130/101-102

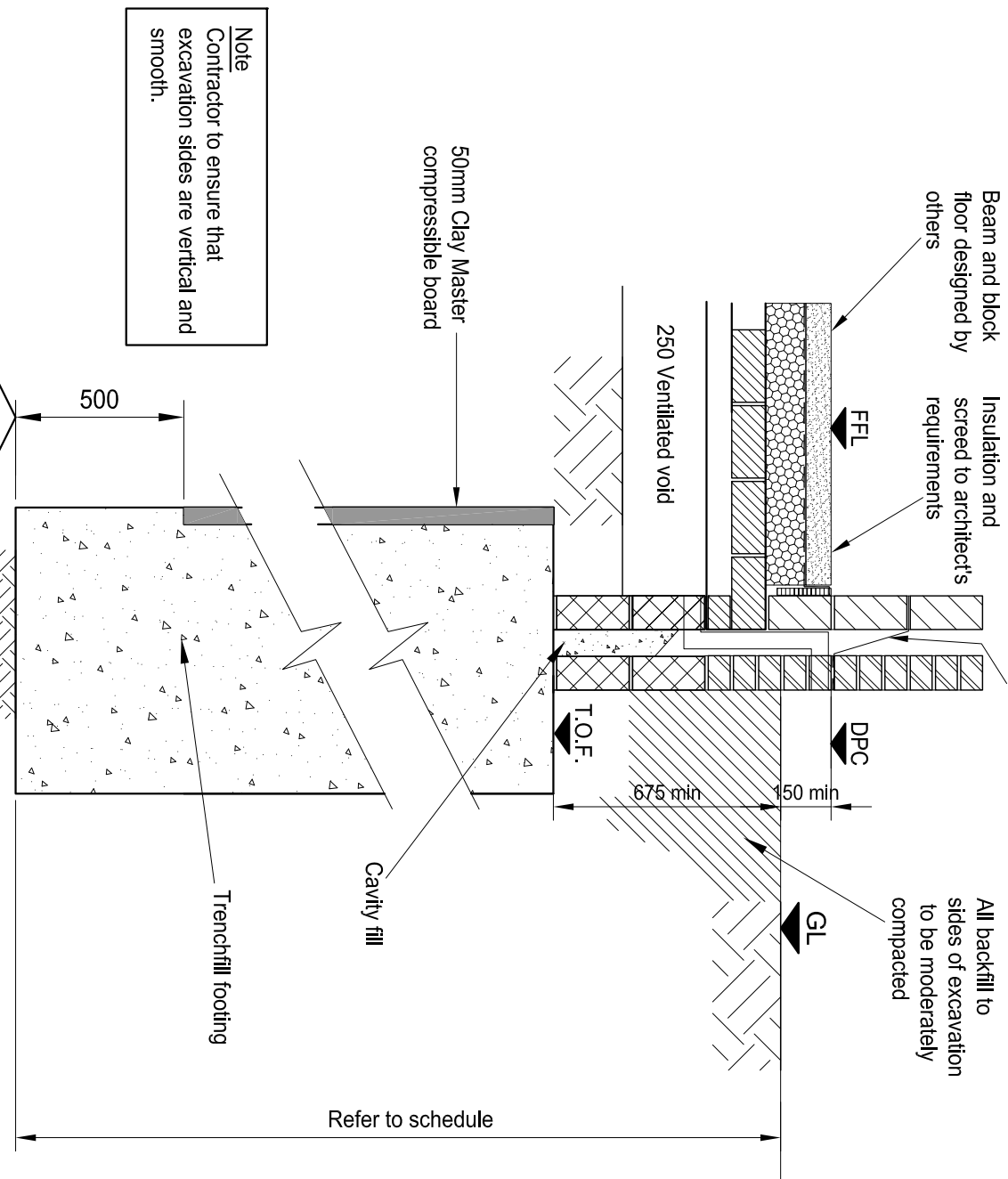


Recommend trial pit to 3m depth to reveal depth of clay for plots 43-44. Foundations may be suitable to terminate on granular strata if identified, WSO4 terminated at 1.4m only.

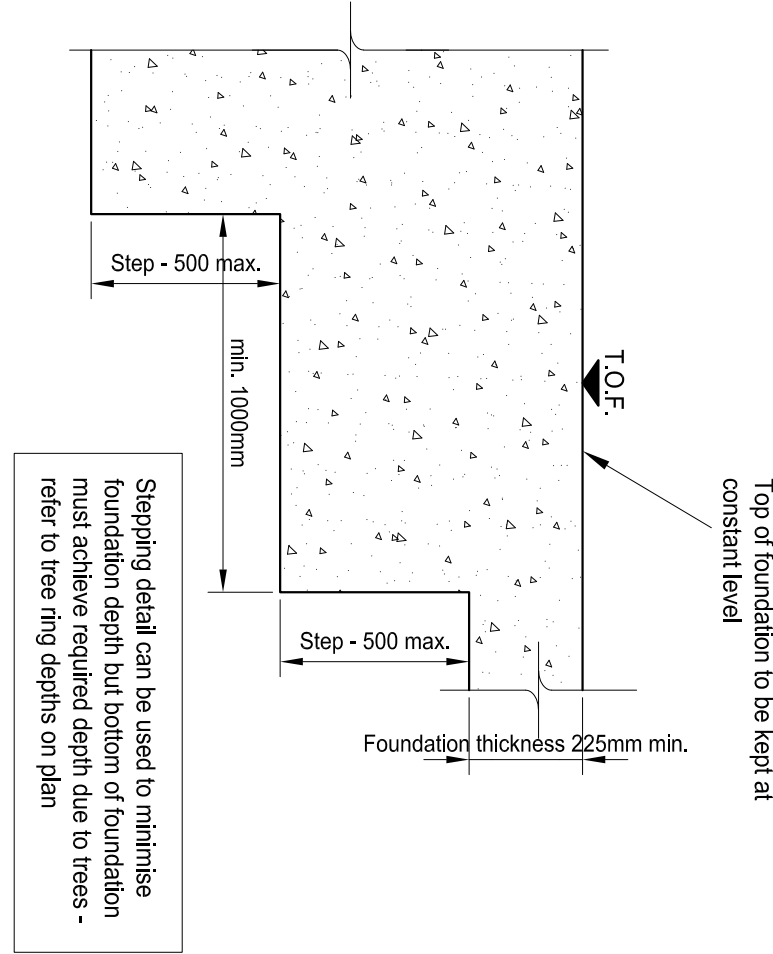
Site Layout



Typical Perimeter Section 1220



Typical Perimeter Section Showing Heave Precautions 1220



Typical Step in Foundation Detail (To Be Used as Suitable) 1220

Rev	Issued	Date	Rev	Issued	Date
01	First Issue	7/6/23	01	First Issue	7/6/23
02	Revised	10/6/23	02	Revised	10/6/23



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PROJECT Stoke Golding

CLIENT Davidsons Homes

STATUS	SHEET
PRELIMINARY	A1

DRAWING TITLE Foundation Schedule 1 of 3

SCALE	AS SHOWN	DATE	JUNE 23
DRAWN BY	RM	CHECKED BY	LH
PROJECT NO.	E23130	DRAWING NO.	100
REVISION			P1

FEEDBACK : could be improved to better communicate the proposed design please do not hesitate to contact the above office.
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