DO NOT SCALE FROM THIS DRAWING.

Note:
The foundation depths detailed on this zoning plan are based on the effects of existing tree influence only. Depths have been determined in accordance with the recommendations set out within NHBC Chapter 4.2 (Building Near Trees) and are to be confirmed following review of all information provided within this Geo-Environmental Site Assessment and subsequent exploratory logs.

Notes:

1. Foundations on this site are to be designed and constructed in accordance with NHBC: Chapter 4.2 (Building near trees) and Sharon Hosegood and D.F. Clark Bionomique Ltd Arboricultural Planning Statement. The soils underlying the site are of HIGH volume change potential in accordance with the findings of the MLM Phase 2 Geo-assessment and RSK site investigation report (pending).

2. The foundation strategy indicated above is in accordance with proposed FFL's.

3. Foundations are to be taken to non-desiccated soils, which should be taken as the greater of:
   - The minimum depths shown on the drawing, which are derived from chapter 4.2
   - 500mm below evidence of live roots or other signs of desiccation.

4. It is essential to ensure that the foundation formation is inspected and approved by a competent person to ensure that there are no tree roots present. Alternatively material excavated from the trench bottom should be examined.

5. If there is any doubt regarding the foundation zoning, RSK should be contacted for advice.

6. This foundation zoning plan is to be read in conjunction with recommendations made within RSK Geosciences Technical notes, Geo-Environmental Services and GRM Reports.

7. This foundation zoning plan has been produced based on the types and locations of trees shown within Arboricultural Survey, and does not allow for trees/hedges not shown within this assessment, including areas of proposed planting.

8. Depths due to tree's are based on the mature tree heights noted in NHBC Chapter 4.2.

9. If any of the assumptions above are found to be incorrect then the recommendations will need to be revised to suit.

10. No assessment has been made for proposed planting. Foundations may need to be increased in areas adjacent to this planting.

11. Internal foundation depths are to be at the same depths as the externally connecting foundations. Where varying depths are shown on one side of the block, the foundation may be stepped in increments not greater than 450mm vertically and not less than 1000mm horizontally.

12. Foundation Widths are based on an allowable bearing pressure of 110kN/m^2 for all the plots excluding Block 12 Plots 469-480 which is based on 150kN/m^2 allowable bearing capacity.

13. All footings must be founded on consistent material. Where soft spots are encountered, the excavation must be deepened until a satisfactory founding material is reached. Localised soft spots are to be removed and replace by a suitable fill material and adequately compacted to the satisfaction of the Supervising Officer.

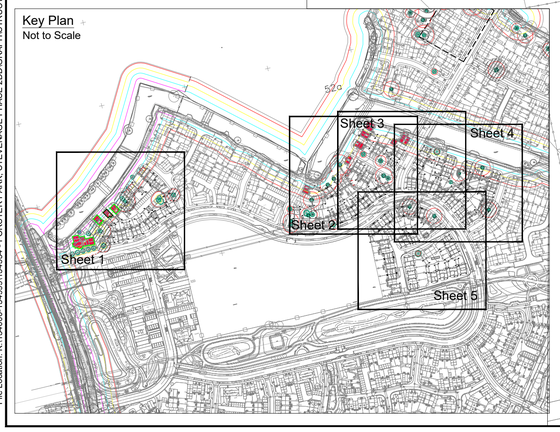
14. Species of proposed trees should be selected such that they do not affect foundation depths when mature.

15. Foundations to contain B785 mesh reinforcement top and bottom with main bars running along the line of the foundation. Cover to reinforcement to be a minimum of 50mm. This must be increased to 75mm where concrete is cast against earth faces (sides and underside if blinding is not used).

Concrete Specification

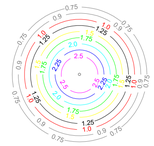
16. All substructure Concrete mix to be minimum grade C25/30 complying with design chemical class DC-1 (max 20mm aggregate size) and satisfy design sulphate class DS-1 and ACEC aggressive chemical class AC-1 of BRE Special Digest 1 (2005).

Key Plan
Not to scale



Foundation Depths Legend

Tree Influence Circles indicating foundation depth required in metres



1400 — Proposed typical depth of footing below FFL (in millimeters)

*2500 — Proposed depth of footing below FFL greater than 2.5m due to raising levels

Step 450 — Proposed step in underside of trench fill foundation within Tree influence zone (in millimeters)
Steps to the underside of foundations outside of tree influence are to comply with the limits below. When the difference in formation level is:
- a) Less than 450mm, provide steps at mid point.
- b) More than 450mm but less than 900mm, provide steps at 1/3 length.
- c) More than 900mm and less than 1350mm, provide steps at 1/4 length.

BOC 111.550 — Bottom of concrete level for the retaining wall footing

FFL XX.XXX — Proposed finished floor level

Piled foundation units

Piled foundation units with Heave Precaution. (For details refer to RSK Drawing 134534-RSK-ZZ-00-FD-ST-ZZ-1000)

Trench fill foundation extent of Heave precautions. (For details refer to RSK Drawing 134534-RSK-ZZ-00-FD-ST-ZZ-1001)
Ground Investigation Location

Pile foundation units with Heave Guard around perimeter (For details refer to RSK Drawing 134534-RSK-ZZ-00-FD-ST-ZZ-1000)

Refer to the following geo-environmental technical reports for ground conditions and recommendations
- Reference: 1922321R09(00)
- Title: TECHNICAL NOTES
- Dated: 14/06/2024
- By: RSK Geosciences
- Reference: GE18368-GIR-DEC19
- Title: Ground Investigation report
- By: Geo-Environmental Services Ltd

Rev	Date	Amendment	Drawn	Chkd	Appd
C1	27.02.2025	CONSTRUCTION	EW	TN	VV

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Client: Bellway Ashberry Homes

Project Title: FORSTER PARK STEVENAGE

Status: CONSTRUCTION

Drawing Title: FOUNDATION DEPTHS - SHEET 5

Drawn	Date	Checked	Date	Approved	Date
ZK	13.08	TN	15.08	VV	15.08

Scale	Orig Size	Dimensions
1:200	A1	m

Project No.: 134534
File Name: 134534-RSK-00-ZZ-DR-S-0001

Drawing No.: 134534-RSK-ZZ-00-FD-ST-ZZ- 1014 Rev. C1

Scale 1:250
0 2.5 5 7.5 10 12.5m

File Location: K:\134000-134999\134534 - FORSTER PARK, STEVENAGE PHASE 2\DOGRAPHIS\STRUCTURAL\02-CAD PDF,OTHER\TREE INFLUENCE DRAWINGS\134534 CP 20240916 FOUNDATION DEPTHS BOUND.DWG