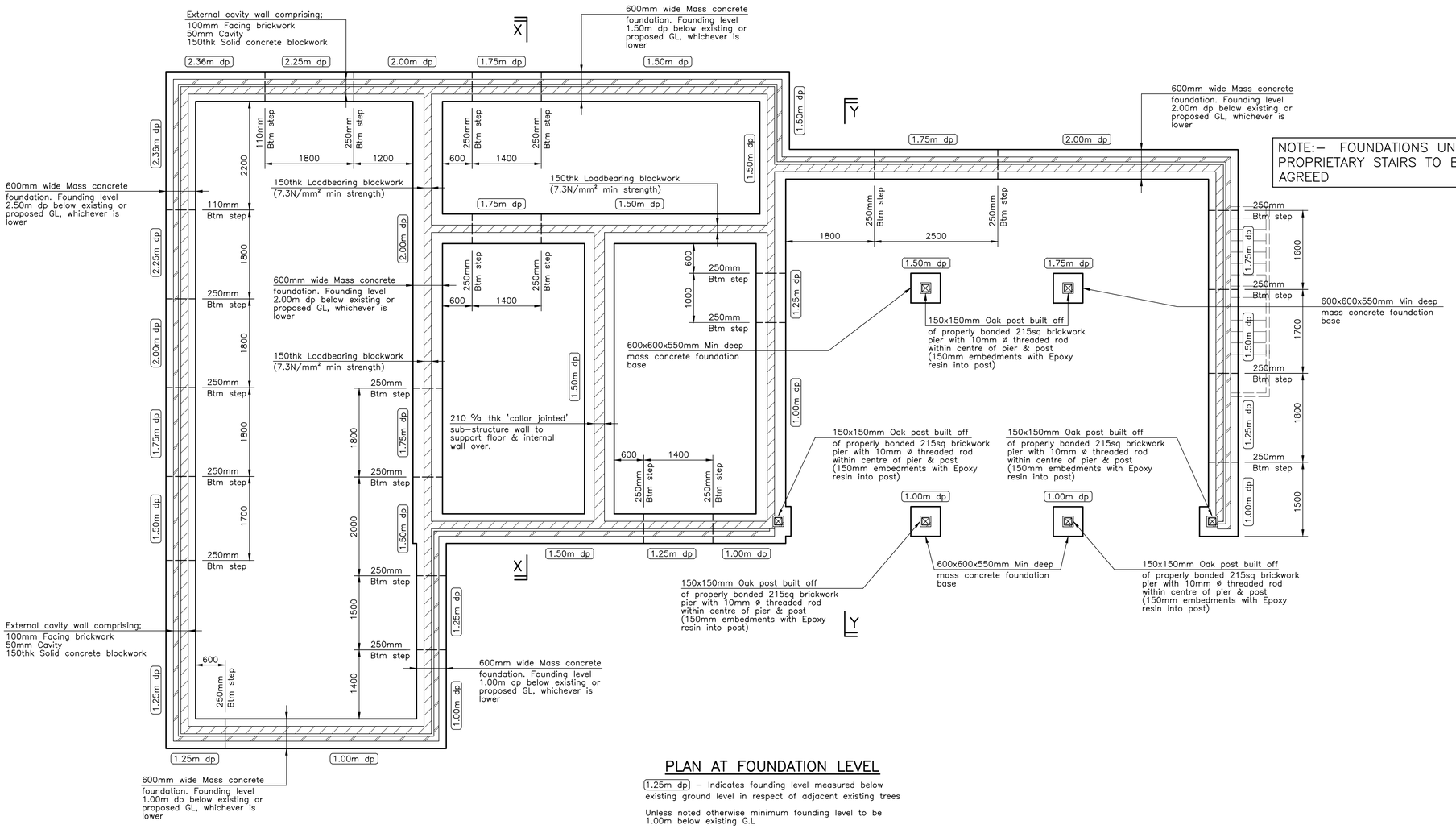



## PLAN AT FOUNDATION LEVEL

(1.25m dp) – Indicates founding level measured below existing ground level in respect of adjacent existing trees

Unless noted otherwise minimum founding level to be 1.00m below existing G.L

## FOUNDATION CONSTRUCTION NOTES

UNLESS NOTED OTHERWISE:–

1. This drawing is to be read in conjunction with all relevant Civil/Structural Engineering drawings, the project specification and drawings produced by the Architects, Services Engineers & Landscape Architects.
2. Top of foundations (TOF) to be 375mm below ground floor SSL.
3. All foundations to be located centrally under internal and external perimeter loadbearing walls.
4. The Contractor shall verify all site and setting out dimensions before putting work in hand. The Engineer shall be notified of any discrepancies with dimensions shown on the Engineers drawings.
5. The foundations have been designed on the assumption that strata capable of providing a design bearing capacity of 100kN/m² will be found at the depths indicated. The discovery of conditions not in accordance with this assumption shall be reported to the Engineer before proceeding with the construction of the foundations.
6. Foundations have been designed in accordance with the NHBC Standards Chapter 4.2, based upon **LOW** volume change potential. All foundations to be founded to the depths shown as a minimum or 500mm below any root activity, or 300mm below the invert of any adjacent/perpendicular existing or proposed drainage, whichever is lower, deepened where necessary to ensure 150mm minimum penetration into suitable, undisturbed natural ground. All to the approval of the Engineer and Building Inspector.
7. Foundation concrete to be mass concrete, of designated mix GEN 3 (20 max nominal agg). Foundations taken down lower than the depths indicated shall, with the approval of the Engineers and NHBC, Building Control or other statutory bodies, be made up with mass concrete, of designated mix GEN 3 (20 max nominal agg) to BS BSEN206–1, BS8500–1 and BS8500–2.
8. Reinforced concrete foundation to be designated concrete grade RC40 to BS BSEN206–1, BS8500–1 and BS8500–2
9. Bottoms of all foundation excavations shall be trimmed and levelled for inspection/approval and if not cast the same day as excavated, protected from inclement weather with mass concrete blinding.
10. Bottoms of excavations to receive reinforced concrete, shall be blinded with not less than 100mm of designated concrete grade GEN1 to BSEN206–1, BS8500–1 and BS8500–2.
11. Foundation excavations and the surrounding site shall be kept free of water.
12. The Contractor is responsible and liable for ensuring the stability of the works and services at all stages of construction.
13. Reinforced concrete shall be compacted by means of a mechanical vibrating poker and the workability shall be such that, when compacted, a dense concrete, free from voids shall be produced.
14. Construction joints in mass concrete foundations shall be located at least 1.5m from any foundation junction, pad base or step in underside of foundation. Joints to be formed against a vertical grout tight shutter and shall incorporate 3No. H20 bars x 900 long located centrally, with 100mm cover to sides.
15. Foundations are to be founded 300mm below the invert of any adjacent/perpendicular existing or proposed drainage, or as shown on the drawing, whichever is the deeper.
16. The Contractor is to ensure, so far as reasonably practical, that the client has obtained all necessary Building Regulations and/or similar approval before he commences work on site.

## SUBSTRUCTURE LOADBEARING MASONRY NOTES

UNLESS NOTED OTHERWISE:–

300THK EXTERNAL SUB–STRUCTURE CAVITY WALLS

OUTER LEAF = 100 Facing brickwork to Architect's spec 20N/mm² min compressive strength

INNER LEAF = 150 solid concrete blockwork 7.3N/mm² min compressive strength Blocks to be 440lg x 100thk x 215dp format

210THK INTERNAL SUB–STRUCTURE LOADBEARING WALL

Comprising 2No leaves of 100thk solid concrete blockwork, 7.3N/mm² min compressive strength. Blocks to be 440lg x 100thk x 215dp format.

210thk Sub–structure walls constructed as collar jointed walls

100THK INTERNAL SUB–STRUCTURE LOADBEARING WALL

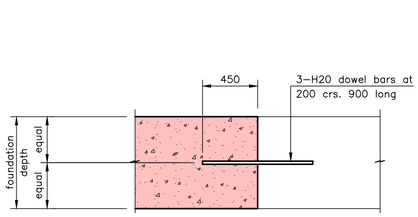
Comprising 1No leaf of 100thk solid concrete blockwork, 7.3N/mm² min compressive strength. Blocks to be 440lg x 100thk x 215dp format.

MORTAR MIXES

Mortar mix below DPC = Mortar Class/Designation M6/(ii)

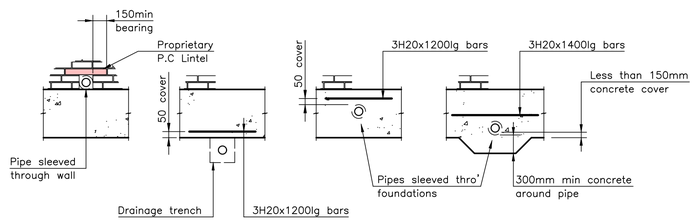
WALL TIES

Wall ties to be stainless steel safety type, having a minimum embedment of 50mm at a maximum staggered spacing of 900mm horizontal and 450mm vertical centres.

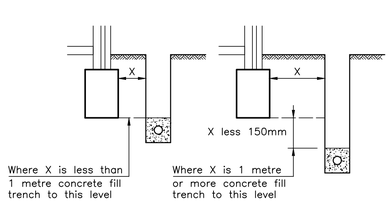



## TYPICAL DAYWORK CONSTRUCTION JOINT

LOCATION OF DAYWORK CONSTRUCTION JOINTS TO BE AGREED WITH ENGINEER




## TYPICAL DETAILS OF PIPES PASSING THROUGH FOUNDATIONS AND SUB–STRUCTURE




## TYPICAL DETAILS WHERE DRAINAGE TRENCH IS DEEPER THAN FOUNDATIONS

[REFER ALSO TO FOUNDATION CONSTRUCTION NOTE 15]

| Rev | Date | Description | By |
|---|---|---|---|
| | | | |

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Project
SIVA KENNELS,
KENTON ROAD,
MONK SOHAM

Title
GENERAL ARRANGEMENT OF FOUNDATIONS

| Drawn | Checked |
|---|---|
| CF | NP |
| Scale | Date |
| 1:50 @ A1 | NOVEMBER 2022 |

Drawing No H357–S–01 Rev