

- 1) All foundations are designed in accordance with the Site Investigation Report produced by Forge Environmental Management Ltd (Report No: FON206.D/SI/001 – September 2020).
- 2) All foundations are designed on an allowable bearing capacity of 100kN/m².
- 3) All foundations are to be taken a minimum of 1.0m below ground level into the medium dense sandy clayey GRAVEL.
- 4) All trench fill / strip foundations to be grade GEN3 (AC-1s) mix and to have 1 layer of A393 mesh bottom (50mm cover) to cater for the potential variability of the density of the founding stratum.
- 5) All pad foundations to be grade RC35 concrete – for budget purposes, assume 85kg/m³ reinforcement.
- 6) Foundations need to be deepened locally to cater for any soft spots, or where they are adjacent to deeper archaeological trenches.
- 7) Drainage runs adjacent to or through foundations may result in the deepening of foundations locally.
- 8) All excavations are to be kept dry and the bottom of all excavations for foundations must be protected from weathering. A blinding layer of concrete 50mm thick, grade GEN1 in accordance with BS5328 may be placed where foundations are not constructed within 24 hours of excavation.
- 9) All temporary works to ensure the stability of the excavations is the responsibility of the Contractor.
- 10) Where foundations to be stepped, details should be in accordance with the details shown in the NHBC Standards 2020 (Clause 4.3.8).
- 11) Steps shall not exceed 500mm.
- 12) All ground floors to be 150mm deep precast concrete beam and block floor construction – spans as shown on Architect's drawings.
- 13) PC floor loadings:

Finishes	2.0kN/m ²
Imposed	1.5kN/m ² (Domestic)
Partitions	1.0kN/m ²
- 14) All waterproofing as specified by others.
- 15) The Contractor is to allow for all necessary sleeves or lintels where drainage pipes pass through wall or foundations. Lintels to have 150mm bearing (minimum).
- 16) Loadbearing walls to be constructed in advance of concrete floors which they support and are to be sufficiently cured before being loaded.
- 17) Sleeper walls should be constructed with sufficient openings to ensure adequate through ventilation.
- 18) All blockwork below DPC level to have a density of 1500kg/m³ (minimum) and have a minimum compressive strength of 7.3N/mm².