

Notes

- Do not scale this drawing.
- This drawing is to be read in conjunction with all other project drawings and specifications.
- All dimensions are in millimetres unless stated otherwise.
- Should there be any conflict between the details indicated on this drawing and those indicated on other drawings the Project Engineer shall be informed prior to construction.
- Until technical approval has been obtained from the relevant authority, it should be understood that all drawings issued are preliminary and not for construction. Should the contractor commence site work prior to such approval being given, it is entirely at their own risk.
- All levels shown are in metres relative to Ordnance Datum.
- All 1000 proposed foul drainage pipes shown are to be laid at a gradient of 1:80.
- All 1500 proposed foul drainage pipes shown are to be laid at a gradient of 1:150.
- All existing land drains encountered on site during construction are to be re-connected.
- Temporary protection to be provided to drainage work during construction as necessary.
- Topographical survey and architectural layout based on third party information.
- Anticipated foul flow rates calculated using discharge unit method to BS EN 12056-2.
- Drawing to be read in conjunction with Causeway Flow design pack.
- Pipes to be structured walled to BS EN 13476, Polypropylene to BE EN 1852 or PVC-U to BS EN 14001.
- Both clay and concrete pipes shall be strength class 120 (100/150mm min crushing strength 28kN/m). Thermoplastic pipes shall have a minimum ring stiffness of SN4
- Pipes which run adjacent to buildings shall be installed in strict accordance with Building Regulations Part H, clauses 2.23 to 2.25
- Class Z concrete bed and surround to all foul and surface water pipes with less than 900mm cover depth. Type S granular bed and surround to all foul and surface water pipes with greater than 900mm cover depth.
- All manholes and inspection chambers to have D400 load-rated covers and frames to BS EN 124.
- Concrete to be GEN1 unless specified otherwise.
- Drawing to be read in conjunction with Drainage Strategy.
- The first flexible joint in pipes adjoining a manhole shall be a maximum length of 600mm from the inside face of the manhole, connecting to a rocker pipe. The length of the rocker pipe shall be 600mm.
- All foul and surface water pipes to be constructed to Building Regulations Part H.
- If soft spots are encountered the whole area is to be excavated until firm ground is encountered and all excavated material disposed. Material excavated from soft spots should not be used for fill on site. The excavation should be reinstated with MOT Type 1 compacted in 100mm-150mm layers.

CDM Requirements

Risk - Deep excavation

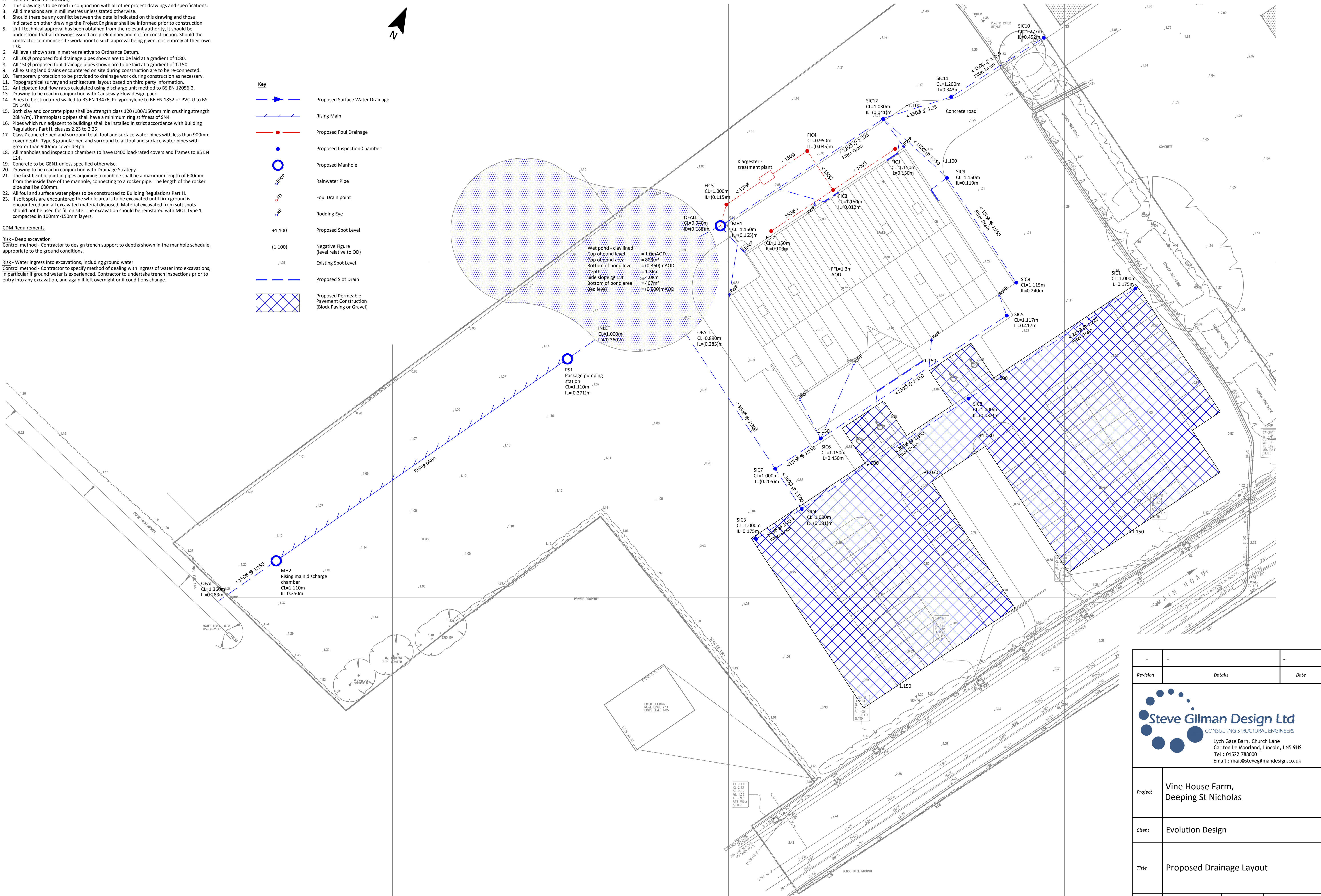
Control method - Contractor to design trench support to depths shown in the manhole schedule, appropriate to the ground conditions.

Risk - Water ingress into excavations, including ground water

Control method - Contractor to specify method of dealing with ingress of water into excavations, in particular if ground water is experienced. Contractor to undertake trench inspections prior to entry into any excavation, and again if left overnight or if conditions change.

Key

- Proposed Surface Water Drainage
- Rising Main
- Proposed Foul Drainage
- Proposed Inspection Chamber
- Proposed Manhole
- Rainwater Pipe
- Foul Drain point
- Rodding Eye
- Proposed Spot Level
- Negative Figure (level relative to OD)
- Existing Spot Level
- Proposed Slot Drain
- Proposed Permeable Pavement Construction (Block Paving or Gravel)



Project Vine House Farm, Deeping St Nicholas

Client Evolution Design

Title Proposed Drainage Layout

Date October 2019 Scale 1:250

Number 5994/010 Status Preliminary