

INDICATIVE DRAINAGE PLAN
1:100

- UNDERGROUND FOUL DRAINAGE**
Indicative underground drainage to existing system to consist of 100mm diameter UPVC proprietary pipe work to give a 1:40 fall. Ratify layout on site with BCO. Surround pipes in 100mm pea shingle. Provide 600mm suitable cover (900mm under drives). Shallow pipes to be covered with 100mm reinforced concrete slab over compressible material. Provide rodding access at all changes of direction and junctions. All below ground drainage to comply with BS EN 1401-1.
- UNDERGROUND WASTEWATER DRAINAGE**
Ratify layout on site with BCO. Surround pipes in 100mm pea shingle. Provide 600mm suitable cover (900mm under drives). Shallow pipes to be covered with 100mm reinforced concrete slab over compressible material. Provide rodding access at all changes of direction and junctions. All below ground drainage to comply with BS EN 1401-1.
- RAINWATER DRAINAGE**
New rainwater goods to be new 110mm UPVC half round gutters taken and connected into 68mm dia UPVC downpipes. Rainwater taken to new soakaway, situated a min distance of 5.0m away from any building, via 110mm dia UPVC pipes surrounded in 150mm granular fill. Soakaway to be min of 1 cubic metre capacity (or to depth to Local Authorities approval) with suitable granular fill and with geotextile surround to prevent migration of fines. If necessary carry out a porosity test to determine design and depth of soakaway.
- INSPECTION CHAMBERS**
Underground quality proprietary UPVC 450mm diameter inspection chambers to be provided at all changes of level, direction, connections and every 45m in straight runs. Inspection chambers to have bolt down double sealed covers in buildings and be adequate for vehicle loads in driveways.
- SOIL AND VENT PIPE**
Svp to be extended up in 110mm dia UPVC and to terminate min 900mm above any openings within 3m. Provide a long radius bend at foot of SVP.
- AUTOMATIC AIR VALVE**
Ground floor fittings from WC to be connected to new 110mm UPVC soil pipe with accessible internal air admittance valve complying with BS EN 12380, placed at a height so that the outlet is above the trap of the highest fitting and connected to underground quality drainage encased with pea gravel to a depth of 150mm.
- PIPES PASSING THROUGH WALLS**
Walls above pipes passing through substructure walls to be supported on suitable lintel on semi-engineering bricks. Pipe to be provided with a 50mm clearance all round, opening to be masked with granular backfill (pea shingle) around pipe. DPC to be provided as required by BCO. Alternatively Where new pipework passes through external walls the pipe work is to be provided with 'rocker pipes' at a distance of 150mm either side of the wall face. The 'rocker pipes' must have flexible joints and be a maximum length of 600mm.
- PIPES PASSING THROUGH FOUNDATIONS**
The load-bearing capability of foundations must not be affected where services pass through. The pipe work should be sleeved and be provided with 'rocker pipes' at a distance of 150mm either side of the foundation concrete. The 'rocker pipes' should have flexible joints and be a maximum length of 600mm. Alternatively Pipework should pass through a suitably strengthened opening in the foundation, i.e. foundation shuttered and a provided with suitable lintel over the pipe allowing for sufficient space for movement to ensure that the drain is capable of maintaining line and gradient. Opening should be masked with granular backfill (pea shingle) around pipe. DPC to be provided as required by BCO. Advice from Building Control to be sought on suitability of pipe running through foundation before construction.

NOTES -
Drainage subject to a visit by the builder and assessment of existing drains.

Party wall act may be required and is the responsibility of the homeowner, we can advise if required.

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Drawings are for planning purposes only.

Prior to commencement of works the contractor is responsible for checking the plans to the site conditions. If any anomalies are found they are reported for rectification. Failure to do so at this stage will result in the contractor being liable for resulting costs incurred.

Drawings are subject to structural engineering and building control.

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Client:
Little Paxton Parish Council

Site Address:
Village Hall Car Park
Little Paxton
St Neots
PE19

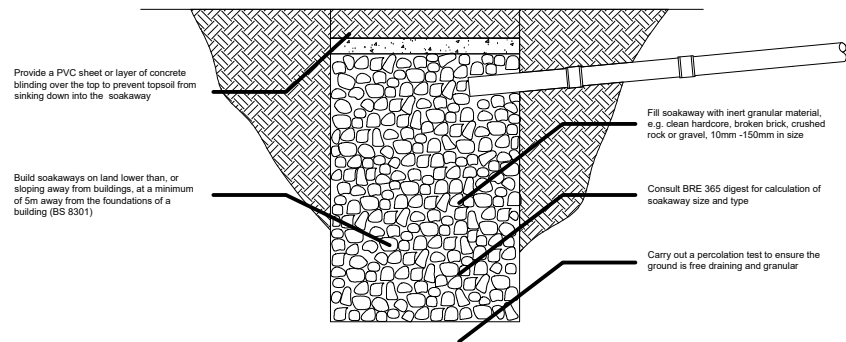
Drawn By: SR

Date : 23rd May 2023

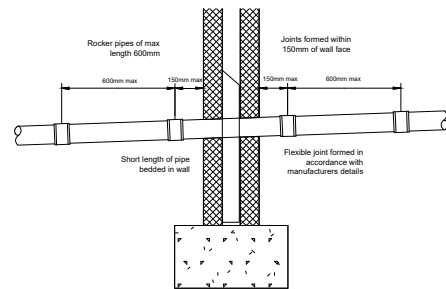
Drawing No:730/3 Building Regulations Drainage



SOAKAWAY
Soakaway size and type dependent on space requirements, site layout, topography, water table, subsoil type, etc. Designed to BS EN 752



SOAKAWAY
1:20



PIPE THROUGH WALL
1:20