

DRAINAGE PROPOSALS

Foul Drainage

The maximum foul drain run length to the pumping chamber is 40m serving plots 2, 3, 4, 5 and 6. A gradient of 1:60 is proposed resulting in a 650mm fall.

Referring to detailed section S1 it can be seen that the finished floor level will be 600mm above the adjoining ground level. As detailed in the arboricultural report, no-dig construction is proposed resulting in the paths serving the lodges being raised to this floor level – see Appendix A.

Waste pipe invert levels will exit the lodges at 200mm below the floor level resulting in invert levels 400mm above ground level. Any short runs from lodges will be mounded over for protection therefore most of these runs will be above existing ground levels. The remainder of the falls have been located as shown, furthest away from the existing trees and their root zones.

Surface Water Drainage

Surface water outlet positions are shown on detail S1 and soakaway locations indicated on the site layout plan. The ground build-up is primarily a layer of leaf mould approximately 200mm deep over sand.

