

**PROPOSED RESIDENTIAL DEVELOPMENT AT THE COUNTRYMAN PUBLIC HOUSE,
OFF PARK HOLLOW, WOMBWELL, BARNSELY**

DRAINAGE ASSESSMENT

EXISTING DRAINAGE.

The existing Public House and associated substantial parking is positively drained via a series of rainwater pipes and drainage gullies before discharging into existing sewers located within park hollow to the North East of the site.

The existing positively drained area on site totals – 1,968 square metres (excluding undrained footways and soft landscaped areas).

A Plan detailing the existing drainage is attached.

Therefore the estimated unrestricted surface water discharge from the site during a 1:1 year storm is 28 Litres/second.

PROPOSED DRAINAGE.

The site is to be developed with separate systems for both foul and surface water drainage to be connected to existing adopted sewers located within Park Hollow to the North of the site. All drainage within the site is to be privately owned. The large private drive and parking areas within the site are to be positively drained.

The proposed positively drained area on site totals – 1,285 square metres (excluding undrained footways and soft landscaped areas).

A Plan detailing the proposed drainage is attached.

Therefore the estimated unrestricted surface water discharge from the proposed site during a 1:1 year storm is 18 Litres/second.

CONCLUSION.

The proposed development of the site will present a net reduction of surface water drainage from the development of 10 Litres/Second during a 1:1 year storm and a reduction in impermeable area of 35% or 688 square metres.

It is therefore considered that due to the net reduction of surface water drainage from the site, that further reductions by balancing techniques are not required.