



CALCULATION SHEET

Project No: D1956
Project Name: Bilsham Road, Yapton
Sheet No: 1 of 1

BRIGHT PLAN CIVILS

ITEM

Calculation of discharge rate:

in the interests of consistency, the discharge rate for the surface water outfall to the existing watercourse is based on the rates used in the Flood Risk Assessment and Drainage Strategy prepared by Oddessy (ref 14-111, Table 3.2).

Table 3.2: Existing Surface Water Discharge Rates

Return Period	Existing Greenfield Discharge Rates (l/s)	Existing Greenfield Discharge Rates (l/s/ha)
Q _{BAR}	43.0	3.7
Q1	36.5	3.1
Q30	97.3	8.3
Q100	137.0	11.7

This states that the greenfield run-off rate (Q_{bar}) is 3.7l/s/ha

The impermeable area is measured to be 5.47Ha therefore a discharge rate of 20.2l/s is appropriate.