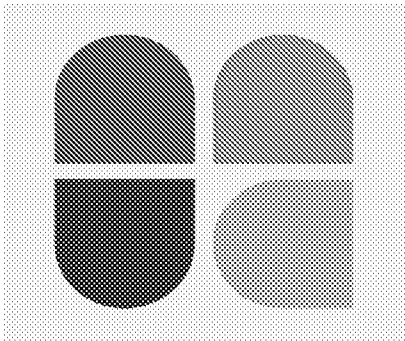




CALCULATION SHEET

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

BRIGHT PLAN CIVILS

ITEM

Calculation of discharge rate:

Calculation of the discharge rate for the surface water outfall to the existing watercourse has been reviewed based on a recalculation of drained impermeable areas. These are shown on drawings D1956-18-100A , 101A and 102A.

The table below, taken from the Flood Risk Assessment prepared by Oddessy (Ref 14-111 Table 3.2) confirms the greenfield run off rates:

Table 3.2: Existing Surface Water Discharge Rates

Return Period	Existing Greenfield Discharge Rates (l/s)	Existing Greenfield Discharge Rates (l/s/ha)
QBAR	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 (Qbar) is 3.7l/s/ha

The impermeable area is measured to be 4.42Ha therefore a discharge rate of 16.35l/s is appropriate.