

Ide Markham catchment Flood Investigations

A flood study is required to evaluate flood risk from a tributary of the Fordland Brook in the Fore St area of Ide including the capacity of an existing railway underpass and culvert in the vicinity of the village hall.

The Parish Council are considering promoting flood alleviation works following recent flooding to several dwellings from this catchment.

In order to evaluate this, a number of tasks below will need to be undertaken by the consultant including:

Work element	Fees & Expenses
1. Attend site and undertake culverts survey work and route of watercourse in study area. Undertake checks of catchment boundaries for flow routing. Obtain LIDAR contours from EA;	Items 1 – 3 £935
2. In conjunction with 1) Check FEH catchment coverage from FEH mapping compared with topography, field boundary routing, LIDAR and highway flow transfer routes, adjust as required and produce contributing catchment drawing(s);	
3. Finalise hydrology based on catchment;	
4. Compile base model of watercourse in software and calculate potential storage volumes for downstream village hall pipe capacity. Use software such as MicroDrainage or ISIS as required for open flow channel / culvert flows;	Items 4 - 6 £1600
5. Produce draft report of findings, including drawings, recommendations and further work required to conclude planning application / construction information;	
6. Attend 1 meeting with Client;	
Total estimate	£2535

Costs are based on £60/hr input and £0.45/ mile travel costs. No VAT is charged. Any additional input / additional meetings will be charged at these rates.