

**COLWINSTON COMMUNITY COUNCIL**  
**Drainage and Sewage: Photographic Evidence**  
*Planning Application No. 2014/00242/FUL*  
*Location: Land to the Rear of St David's Primary School*

## **The Setting**

Colwinston is set on a limestone escarpment which forms a watershed falling away from 90m asl. on the northern boundary to 45m asl. to the south. Natural drainage is via an underground (sometimes surface) watercourse through the Heol Faen Valley, and joining Colwinston brook on the southern outskirts. At the southern outskirts is the Village Sewerage Pumping Station and Attenuation Tank.



## **Natural Drainage**

Being set on limestone, a natural watercourse can often find its way below the surface. However, even in dry weather it exceeds any underground watercourse, as can be seen on land receiving runoff at present levels from existing agricultural land and housing (the Heol Faen valley).



From above or below the surface, present levels of runoff lead to standing water at the boundary with Beech Park.

Existing arrangements are intended to provide for this. Water is to drain down to the attenuation tank which is near the Colwinston pumping station on the southern exit from the village.



When necessary the attenuation tank releases surface water mixed with sewage into Colwinston brook.

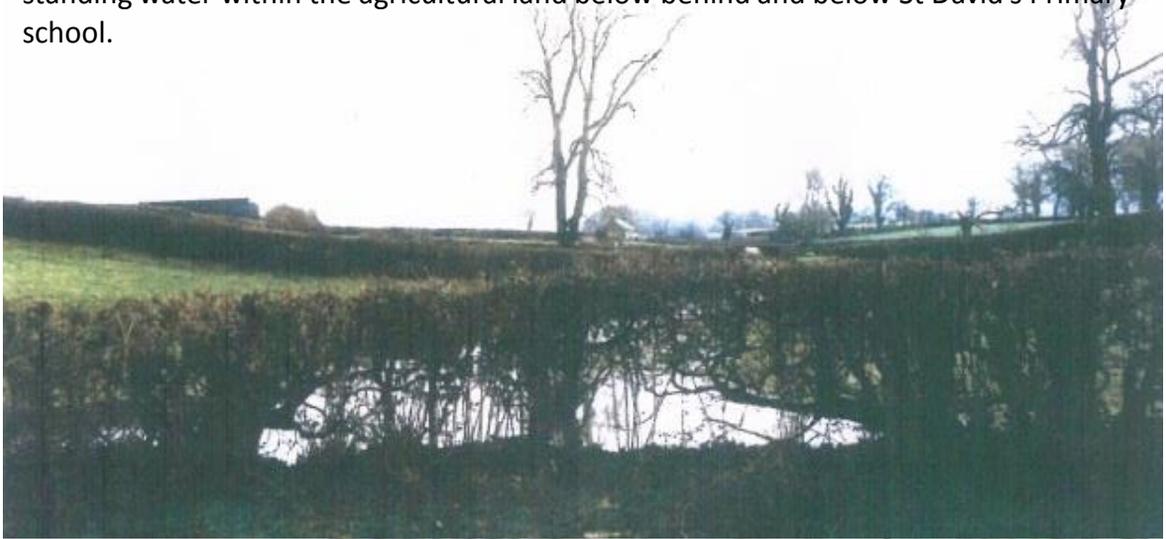


There is a health hazard to local children. Even when children understand adult warnings about playing in the swampy area further downstream, they do not realise that runoff mixed with sewage are the contents of running water upstream from the still water.

Further housing development unsuitable for the character of the village will mean constant release from the attenuation tank. The health hazard could become more of a problem. With increased volume the risk of flooding the fields to the west of the running water would be increased. The risks of overload that would endanger the pumping station would be increased.

### **Standing water at the boundary with Beech Park**

The present arrangements at the boundary with Beech Park are intended to contain standing water within the agricultural land below behind and below St David's Primary school.



### **Flooding Imminent**

Looking from Beech Park, when the water is retained, there should be a space between the water and the garden boundaries.

However, standing water readily rises and comes over the barrier. Experience shows that on such occasions flooding is imminent.



### **Risks of severe flooding**

With existing levels of development some amelioration of risk is achieved by raising covers at the crucial boundary. But severe flooding affecting dwellings in Beech Park has happened. Severe flooding affecting dwellings in Beech Park and below Beech Park has also taken place.