

Good afternoon Mr. Baker

I hope you won't mind me bringing to your attention a feature of the current 'Quarry Falls' culvert works presently taking place on Glen Road in Laxey, which is causing concern to nearby residents.

Whilst we are naturally grateful to see the work progressing at an impressive rate, we are concerned that in the event of even a modest thunderstorm, the single pipe presently being installed to divert the water flow while the new culvert is being constructed, would prove insufficient.

Local residents have often seen this culvert fill very rapidly after heavy rainfall, and whilst making no claim to mathematical accuracy, I would ask your officers to consider the following.

At a width of approx. 2 metres and depth of just one metre (frequently exceeded), the culvert will deliver 1000 tonnes per minute to the river at a flow rate of 20 m.p.h. (personally measured during recent floods).

The 0.5 metre pipe - assuming the same flow rate (unlikely, given it's restricted size) will deliver 63 tonnes/minute.

Given the above calculation - even if very approximate - the potential for flooding of nearby properties is clear, and you will, I'm sure, understand our concern.

We feel that either

a) Ideally, the new culvert should be completed before the old one is filled in,.

or

b) extra pipe capacity should be considered.

If neither of these is possible, an extremely close weather watch needs to be maintained, with the understanding that the culvert fills very quickly after rainfall, and may do so during the night or weekend, when unobserved.

Yours sincerely

Ken Crellin

Rowan Cottage

Glen Road.