

Councillor Michael Barnacle

From: Brian Angus <Brian.Angus@tayside-contracts.co.uk>
Sent: 26 February 2014 09:51
To: Councillor Michael Barnacle; Linda Chalmers
Cc: Stuart D'All
Subject: B9097 Flooding In Cleish Area

Councillor Barnacle,

Further to your e-mail of 14th February 2014 regarding issue of flooding on the B9097 in the Cleish area in particular near Mawmill Farm a matter which had been raised at your recent Community Council Meeting.

Following discussions with the supervisor for the area, his predecessor and my own visit to site my observation are:-

1. Although it had not rained for some time there was water lying in the dips on both sides of the road in particular east of the Aldies' junction and the crossroads at the Wood of Coldrain/Boreland road.
2. The drainage in the area is via gully chutes into the existing ditches which have been filled with 100 to 150mm rubble "designed" to act as a French drain or soakaway but with no actual outfall for the water.
3. There was also evidence, in at least 2 locations, of the filter media migrating onto the road this could be a hazard to both motorists and cyclist given the size of the stone.

The lack of a suitable outfall for the existing ditches prior to them being filled meant that the ditches were initially a holding devise for the surface water off the road which would eventually filter into the ground. The current situation with the ditches being filled with stone is virtually the same only difference there are no deep holes at each side of the road.

We have recently cleaned the gully chutes together with the short sections of pipe work to the filter drain as an interim measure and propose to excavate the contaminated filter media in the soakaways replacing it clean material this time with a smaller 40mm nominal size. It should be noted that whilst a soakaway can be a very useful method of drainage given that most of the Kinross area benefits from a sandy gravel sub-soil, potentially providing good drainage, the effect of the very wet winter raising the water table will have reduced the performance by not allowing the water to percolate into the soil so readily.

It would appear that there is no simple solution to finding a suitable outfall as most water courses are some distance away from the road on this section. One solution may be to construct soakaways at some of the dips however as the verges are not wide enough to accommodate the size and depth of the excavation

required. This would need to be done in the field adjacent to the dip, at the edge of the field as close as possible to the wall or fence. If this method of drainage was going to be considered it is here that some form of dialogue or consultation would undoubtedly be of benefit.

I understand that during your recent discussion with Gary McConnell, regarding this matter, the possibility of erecting flood warning signs on this section of road was suggested as a possible safety measure. I would see this as a relatively inexpensive, interim, safety measure which will be implemented as soon as possible.

Yours,

Brian R.

Angus

(Project Manager, RMP)
