

Finbarr Keaney

From: John Mulvihill
Sent: 29 May 2024 10:17
To: Bernard Greene
Cc: Pdraig MacShera
Subject: Leitrim Village Part VIII - Keadue Road Flood Defence Works
Attachments: 123-196-001.pdf; 123-196-002.pdf

Follow Up Flag: Follow up
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Bernard,

Following our recent telephone conversation, and our discussion around the detail design of the Keadue Road, Leitrim Village, Flood relief embankment, I have the following update,

On further consideration of the site investigation in the bed of the stream, and due to the close proximity of the adjacent Glenville Boundary wall (also founded on this Circa 12-15m of peat) there are Health and safety issues in physically constructing the Culvert arrangement in this position as identified in the original Part VIII application and on review we would like to mitigate any risk in terms of unstable boundary walls etc. in the construction phase of this scheme for our contractor/PSCS, TBC .

Following a detailed Topographical Survey of the site, it has come to our attention that there is low ground (below the proposed embankment level of 43.0m) between houses in the Glenville estate, No's 1 - 4, <https://maps.app.goo.gl/RTv1PxaZCPnNK9oG8> these properties as previously outlined in our Part VIII application have thresholds that are above the level of 43.0m and are not at flood risk (to the 2009 level).

However, we have now identified that there are flow paths for flood water between these properties mainly along fence lines/Property boundaries, the detailed level survey shows flood water spilling out in these locations and would render our flood relief embankment useless, and as a result flood the Keadue road, Cluainn Oir Housing estate and indeed all the properties opposite the Glenville properties.

Therefore, see attached revised detail designed drawings to include a new position for the proposed culvert and the extension of the originally proposed Earth embankment on the East side of the Culvert to replicate the originally proposed west side of the culvert where we had previously identified the need for an embankment.

We now have greater confidence in the proposal and have also included protection to another 6 properties in this area,

I hope this revised design gets your favorable consideration, Call me if you have any further queries,

Kind regards,

John Mulvihill
Senior Executive Engineer
Capital Projects

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