

7th August 2023

Derbyshire LLFA

Due to the dramatic rise of the site entrance, there is a levels-based issue with draining the bell mouth of the site back into the watercourse. Therefore, as these gullies within the bell mouth cannot be included in the Section 38, they will be included within the Section 278 works. With the concept of utilising the existing gully connection along A57 and upgrade if necessary. Which is located circa 4m south of the site entrance. The connection drains into the existing culvert under the A57 which eventually discharges into Glossop brook.

With regards to the proposed tree pits, these will be incorporated where possible. We do not usually specify specific drainage locations for the tree pits, but there as there will be a land drainage system routed around the site, if needs must, this could accommodate the additional runoff. Noting that United Utilities would not allow water from a tree pit to discharge into their system, as it would be considered land drainage.

Levels and flow routing diagrams from LIDAR software indicate the ground to the northwest of plots 63 to 33 would shed a significant amount of overland runoff onto the site, which would be captured using an interception drain, and directed towards the check weir basins. The basin check weir design would also silt and other fines traveling in the land drainage to be dropped, once the basin is full the water shall discharge into a continuation of the land drainage system, which will skirt the eastern boundary of the proposed development and discharge into the watercourse located on the north-eastern boundary.

Nicholas Richards BSc (Hons) GMICE

Civil Engineer

BETTS ASSOCIATES



















