

PROPOSED DWELLING AND GARAGE ON LAND TO REAR OF 181 HIGH ROAD KELLS WHITEHAVEN FOR MR AND MRS W TUNSTALL

SURFACE WATER HIERARCHY REPORT

This report seeks to demonstrate that the SW Hierarchy has been investigated and the conclusions as found are valid.

DISCHARGE TO WATER COURSE

The site is located on high ground above the town of Whitehaven. No water course is close to the site and the nearest water course available for discharge to accept SW from the site is some considerable distance away.

DISCHARGE TO GROUND

The ground on the site was investigated and a 300mm deep level of vegetable soil was founded on a deep level of clay and sandy gravel. Although the sandy gravel may have been acceptable it was well below the clay formation.

Test holes were dug and filled all in accordance with BS375 Standard guidance notes. The level of water reduced by 75mm over a period of 18 hours, no further reduction was noted. It was therefore concluded that the ground was not suitable to accept SW discharges from the new dwelling or the garage.

DISCHARGE TO UU SEWER

A UU sewer passes through the site between the garage and the proposed dwelling. The existing house (181) discharges a combined sewer to the UU sewer.

It is proposed to connect the SW from the garage in to the existing combined house sewer. The SW and foul sewers from the new dwelling will connect in to the existing UU sewer. A Section 38 Agreement will be applied for if this method is approved by the planning authorities.

CONCLUSION

Option 3 is the only feasible method of disposing of the SW from this site, based upon the above evidence.

Richard J. Lindsay
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20/10/24