

Our Ref: A118515

Mr G Beattie Alpha Design

By email

12 August 2022

Dear Glen

## LAND ADJ TO SUMMERGROVE, WHITEHAVEN - ACCESS APPRAISAL

As requested, on behalf of your client John Swift Homes Ltd, we have undertaken the necessary to work to provide advice on access to a proposed residential development of 30 homes on land adjacent to Summergrove, Whitehaven.

The site is an agricultural field of approx. 2.5ha located directly to the south of the existing Summergrove residential development. The proposed site will be accessed via a new priority junction onto the C4003 Dalzell Street. Dalzell Street is approx. 5.7m wide with 2.5-3m grass verges; it is rural in nature, unlit and is subject to the national speed limit.

A traffic survey was undertaken on Dalzell Street in the vicinity of the proposed access by Matrix Group. Automatic Traffic Counters (ATC) were installed and recorded a full week of data between 21st and 28th August 2020. The full ATC report is attached. The ATC recorded average 24-hour 85th percentile speeds of:

- 42mph northeast-bound
- 41mph southwest-bound

As the 85<sup>th</sup> percentile recorded speeds are above 40mph using Manual for Streets for determining visibility splays is not advised. Therefore DMRB has been used to obtain the recommended visibility splays of 120m in each direction.

The proposed access is 5.5m wide with 6m kerb radii and a 1.8m wide footway. The proposed access arrangement and the visibility splays are shown on Alpha Design Drawing no. 15/10/863 – 05.

From a review of Crashmap it can be seen in Extract 1 below that Dalzell Street local to the proposed site access has a good safety record. There has been just one personal injury accident reported on Dalzell Street between Moor Row and the B5292 junction in the most recent pre-Covid 3-year period available. This occurred just south of the emergency vehicle rear access to West Lakes Science Park, approx. 120m from the proposed site access. The incident happened in 2017 and was slight in nature.





**Extract 1: Crashmap** 

The proposed development of 30 homes is likely to generate around 16 trips in the AM peak and 15 in the PM peak. This small increase can be readily accommodated onto the local road network.

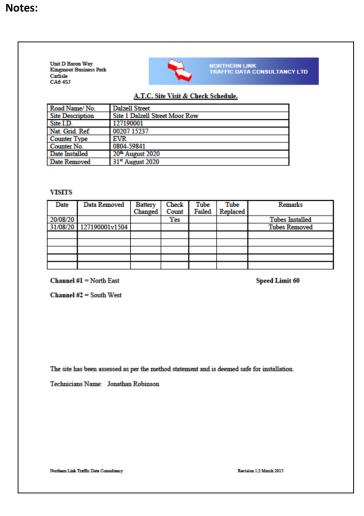
Yours sincerely

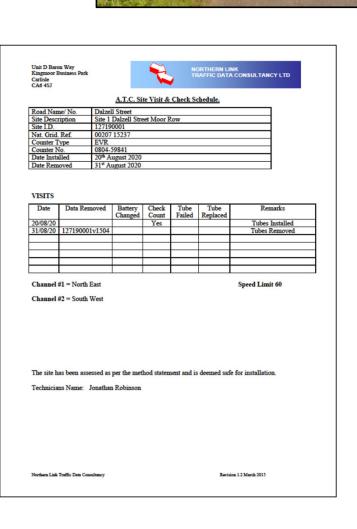
Dr Nick Bunn **Director**For and on behalf of TetraTech Europe

Enc ATC results









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