

**CS CONSULTING
GROUP**
DUBLIN - LONDON - LIMERICK

An Bord Pleanála
64 Marlborough Street
Dublin 1
D01 V902

Job Ref: T059

A - GL

Date: 1-Jul-22

Structural Statement
Stradbroke Road SHD,
Mountashton, Blackrock, Co. Dublin

Dear Colleague,

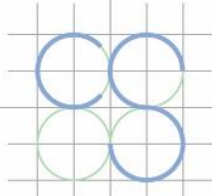
CS Consulting have been appointed by Tetrarch Residential Ltd to provide Structural Consultancy Services for the proposed development at Stradbroke Road, Mountashton, Blackrock, Co Dublin and to develop the scheme to Planning Stage.

The following provides a summary of the advice and encapsulates the information gathered thus far.

Basement Retaining Wall Structure:

As an underground basement is proposed for the development, it is required to excavate a portion of the site to accommodate the construction of the foundations, basement walls, etc.

Where the perimeter of the basement is in close proximity to the site boundary line (south and south west corner of the site, a secant pile wall is proposed to retain the soil and allow for the excavation (Please refer to sketch below).



**CS CONSULTING
GROUP**

DUBLIN - LONDON - LIMERICK

Below Ground Waterproofing:

Habitable areas, core lobbies, lift pits, and sensitive plant rooms must meet the requirements of Grade 3 Basement Waterproofing in accordance with BS8102:2009. The remaining areas of the basement must meet the requirements of Grade 2 Basement Waterproofing. The architect shall advise on radon protection requirements.

Gary Lindsay

Associate
Chartered Civil Engineer
B.E, CEng, M.I.E.I