



Consulting Civil and Structural Engineers

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Your ref:

Our ref:

15 February 2020

NM/11900 16/P1rev 1

Ms C Goggin  
Jackson Coles  
5-23 Old Street  
London  
EC1V 9HL

By email & Post

Dear Clare

**Re: 16 Avenue Road, London NW8**  
**Planning Application Ref: 2016/5375/P**  
**Condition no 22**

We confirm our appointment to provide professional Civil and Structural Engineering design services in relation to the redevelopment of 16 Avenue Road.

The design and construction of subterranean developments within urban settings is a challenging endeavour requiring, at the outset, appropriate levels of skill and experience from the design engineer for a successful outcome. We are deeply experienced with the design of basements in London including single, double and triple storey basements.

We are conscious of the need to develop and maintain design and construction methodologies that are safe, practicable and limit impact upon adjoining properties and highways infrastructure.

Our appointment includes:

- Superstructure design calculations specifications and drawings using a 3d design and analysis model
- Substructure design calculations, specification and drawings using a 3d design and analysis model
- To provide loading parameters for the specialist bored piles (by others).
- To provide design strategy for below ground tanking to achieve Grade 3 to BS8109
- Design of underground drainage including pumps and attenuation tanks
- Provision of reinforcement drawings for sub and superstructure elements.
- Design of temporary lateral props



- Review of contractor method statements
- Review of piling design proposals
- To review movement monitoring

Our appointment starts at pre-commencement and continues through to completion

The project will be led by Michael O'Regan, a chartered structural engineer with over thirty years experience.

Kind regards

Yours sincerely  
**ROSS & PARTNERS**



**Michael O'Regan BSc Hons C Eng MIStruct E**