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consulting civil and structural engineer

57 Flask Walk, London NW3

project ref 1580

Structural Engineer's Method Statement in support of Application for Listed Building Consent  
(to be read with drawings ref 1580/S01, S02, S03, S10.)

Ref	Structural work item	Comments; notes on temporary supports
	LOWER GROUND FLOOR	
1.1	Steel post onto existing foundation (or onto new pad base if required)	This work item does not require installation of any temporary support of existing structure.
1.2	New retaining walls to rear and north side of new rear extension	This work item entails only installation of propped temporary shoring at outsides of excavation, to temporarily retain soil whilst permanent retaining walls are constructed, on new foundations.
1.3	New retaining wall to south side of new rear extension, alongside (but within) boundary	This work item entails: <ul style="list-style-type: none"><li>(i) installation of propped temporary shoring to outside of excavation, to temporarily retain soil and wall over;</li><li>(ii) underpinning of existing boundary wall;</li><li>(iii) constructing retaining wall, on new foundation</li></ul> Please refer to drg 1580/S10.  The length of this work is only 2m, but still necessitates "hit-&-miss" construction phasing – in two sections, each max'm 1m length.
	GROUND FLOOR	
2.1	New steel beam-pair under Grd floor	Adopt "beam pair" method, with two beams linked with mini-needles through extg wall, to avoid temporary needling and propping.
2.2	New beam under Grd floor	Requires only- temporary vertical propping of existing floor joists, on either side of wall to be removed.
2.3	New lintel	Existing wall, above opening to be widened, to be temporarily propped with eg "strong boys".
2.4	Roof (membrane/deck/joists) over new rear extension	This work item does not entail installation of any temporary support of existing structure.
2.5	Roof (glass) over new rear extension	This work item does not entail installation of any temporary support of existing structure.