



FOUNDATION EXCAVATION CRITERIA METHOD FOR BASEMENT CONSTRUCTION

1.Overview/ Introduction

Plot No		Name of Owner	
No of Levels ± E.G.L		Name of Architect	

2. Nearby Structures

a. Detail of building in adjoining areas i.e. Immediate Context (Right, Left, and Back).

Details	Right Side	Left Side	Back Side
Plot/ Building/ Road			
With or Without Basement			
Number of Stories			
Distance from Existing Structure			

3. Site Geology & Hydrology

- a. Comments of structure engineer on the Soil condition according to the geotechnical report.
- b. Remedies for availability of water due to any reason (seepage, rain water etc.) which can affect the construction activities/ existing building.

4. Proposed Basement Construction Sequence (Explain as Proposed Design)

For existing structure/s nearby what will be the necessary steps which must carryout to avoid any fatalities, i.e. injuries, building collapses, partial building collapses or any other damage to existing structure. For example, partial excavation of basement, by constructing a brick wall outside the retaining wall further which is used as an external shuttering, pilling etc.

Credentials of engineer / person responsible for construction monitoring

Name: | Contact -

5. Proposed Time Frame for Construction of Basement

- a. The following table is the example for the time frame of the above mentioned technique for basement construction. Please mention the timeline w.r.t project, as required.

SN.	Construction Activities/ Steps - Suggested by the Engineer	Proposed No of Days
a)	Demarcation	___Day
b)	Full or Partial Excavation	___Days
c)	Bed Preparation (Footings excavations)	___Days
d)	Bed Preparation (PCC)	___Days
e)	Waterproofing Technique	___Days
f)	Steel Fixing of Raft	___Days
g)	Concreting of Raft	___Days
h)	Steel fixing of Ret. Wall	___Days
i)	Shuttering of Ref. Wall	___Days
j)	Concreting of Ret. Wall	___Days
k)	Backfilling & Compaction	___Days
Total No of Days		___Days

Note

- a. In case of full basement and constructed homes around the plot, complete excavation of basement is not allowed. Excavation will be carried out phase wise.
- b. Construction activities/ steps and no of days depends upon case to case as area for basement of each building differs. Sketch of basement construction should also be prepared and submitted at this stage