



SAMPLE FOR METHOD OF BASEMENT CONSTRUCTION

(Following are the points to be included in the method of Basement Construction)

1. **Overview/ Introduction**

Plot No.:		Name of Owner:	
Architect:		No. of Stories:	

2. **Nearby Structures.** Detail of building in adjoining areas i.e. Immediate Context (Right, Left, and Back).

Ser	Details	Right Side	Left Side	Back Side
a.	Plot / Building / Road			
b.	With or Without Basement			
c.	Number of Stories			
d.	Distance from Existing Structure			

3. **Site Geology & Hydrology:**

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

4. **Proposed Basement Development & Construction Sequence:**

- In case of existing structure nearby what will be the necessary steps will you carryout to avoid any fatalities, injuries, building collapses, partial building collapses and 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.
- Person responsible for Construction monitoring (Name & Contact Number): -

Name:		Contact Number:	
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5. **Proposed Time Frame for Construction of Basement.** The following table is the example for the time frame for the above mentioned activities or steps for basement construction:-

Ser	Construction Activities/ Steps(Steps required in construction proposed by structure Engineer)	Proposed No of Days
a.	Demarcation	1 Day
b.	Full or Partial Excavation	2 Days
c.	Bed Preparation (Footings excavations)	4 Days
d.	Bed Preparation (PCC)	1 Days
e.	Waterproofing Technique	3 Days
f.	Steel Fixing of Raft	4 Days
g.	Concreting of Raft	1 Day
h.	Steel fixing of Ret. Wall	3 Days
i.	Shuttering of Ret. Wall	3 Days
j.	Concreting of Ret. Wall	1 Day



k.	Backfilling & Compaction	2 Days
Total No. of Days		25 Days

Note:

- In case of full basement and constructed homes around the plot, complete excavation of basement is not allowed. Excavation will be carried out in phase wise.
- 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.

**Sign & Stamp of
Structure Engineer**