

CHAPTER 5 SITE PRELIMINARIES



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Site Research

Desk Study

- Survey maps
- Historical documents
- Heritage documents
- Planning records
- Environmental documents

Field Study

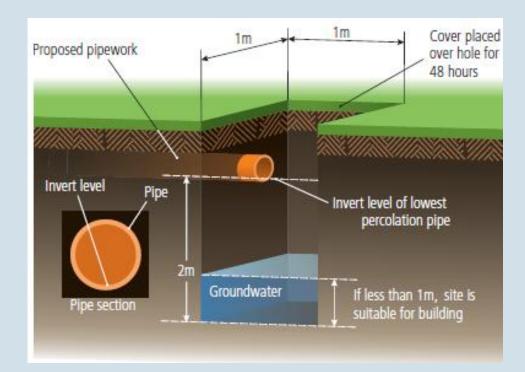
- Local knowledge
- On-site investigation



Soil Investigation

- Soil density
- Soil type examples
 - Limestone
 - Sandstone
 - Shale
 - Clay
 - Slate
- Trial hole

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Soil Types

Category of soil	Types of subsoil	Bearing capacity	Description
1. Sand	Compacted sand	>600kN/m²	Hard to work. Must be
&	Compacted gravel	>300kN/m²	excavated with a pick.
a	Loose gravel	>200kN/m²	Easy to work.
2. Gravel	Loose sand	>100kN/m²	Can be excavated with a spade.
3. Clay	Hard clay	300–600kN/m²	Pick needed for excavation – cannot be moulded by hand.
	Stiff sand/clay	150-300kN/m ²	
	Firm clay	75– 150kN/m²	Can be excavated with a spade and moulded with fingers under substantial pressure.
&	Soft clay	75kN/m²	Easily excavated and easily moulded by hand.
	Soft silt/clay		
	Soft sand/clay		
4. Silt	Very soft clay	75kN/m²	When squeezed, this soil will ooze from between the fingers.
	Very soft silt		
5. Peat	Soft/firm	<75kN/m²	Not suitable to build on.

Percolation Test





Other Considerations

- Layout and landscaping
- Site entrance
- Boundary treatments

