

Technical information

Construction management 2.

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Site characteristics

- Geography of the area
 - Form and area of the plot;
 - The lie of the land (even/slope/cleft) – altitude differences, gradients;
 - Natural water on the plot: watercourse, creek, river, pond, lake etc.;
 - Caves, grottos, etc..
- Soil mechanics
 - describes the behaviour of soils;
 - The layers (thickness and position) of different soil types, level and composition of groundwater, underground waterflows;

Site characteristics

- State of the plot
 - Existing buildings;
 - Roads, pavements;
 - Other objects: wells, pits, gullies, tunnels, cellars, etc.;
 - Archaeological digs / findings;
 - Vegetation: trees, bushes, crops;
 - Public utilities: water, electricity, gas, telephone – accessibility, obstacle (pipelines, wires);

Options: structural design

- **Material**
 - Concrete/reinforced concrete
 - Steel/other metal
 - Brick
 - Stone
 - Timber
 - Adobe
 - Other
 - **Technology**
 - Poured on site
 - Prefabricated (on site/in factory)
 - Small elements (on site/in factory)
 - **LB structure**
 - Walls
 - Skeleton frame
 - Mixed
 - **Characteristics**
 - Pro
 - Con
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Description: design

- Aspects of choosing material/technology
 - Site characteristics;
 - Schedule;
 - Budget;
 - Goals of construction project;
 - Target group;
 - Etc.

