Technical information

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

• Characteristics
  • Pro
  • Con

• Tecnology
  • Poured on site
  • Prefabricated (on site/in factory)
  • Small elements (on site/in factory)

• LB structure
  • Walls
  • Skeleton frame
  • Mixed
Description: design

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