

**SITE DEVELOPMENT
GOTECHNICAL REPORT
MINIMUM REQUIREMENTS**

- Subsurface soil conditions including depth to, and consistency of, cemented deposits or bedrock, if encountered
- Groundwater levels as observed during field work, excluding quantitative determinations of flow or dewatering rates
- Geologic setting of site, the effects of the site geologic conditions and potential hazards to the proposed construction as well as means to mitigate such hazards including alternatives for consideration
- Excavatability of subsurface soil and/or bedrock deposits
- Site grading recommendations including a discussion of anticipated excavation requirements, stability of temporary construction excavations, treatment and/or removal of unsuitable bearing soils, if encountered, and suitability of on-site material for use as structural fill
- Construction considerations including equipment mobility, temporary dewatering and stability of excavations, processing of excavated soils, etc.
- Recommendations regarding foundation type and depth, allowable bearing pressures, estimated settlement and lateral resistance
- Lateral earth pressures and drainage considerations with regard to design of retaining walls
- Pavement section design and construction
- Moisture protection and surface drainage
- Corrosive soil conditions
- Recommendations regarding the scope of services for construction observation and testing during construction

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