



Ωmega Church Consultants, Inc.

architectural • financial • consulting
construction management

Civil Engineering

Civil Engineers or P.E.'s (professional engineers) provide critical services for any construction project where soil will be moved for the placement of a building or parking area. It is important to hire a civil engineer early in the design development of the project. A construction budget is difficult to forecast without the input of the civil engineer. The P.E. will work closely with the architect to develop the site design based upon the data collected and generated by each.

The services normally required by the P.E. include a survey showing all property lines, improvements and utilities on the site as well as setback lines, easements, flood zones and more. The P.E. will also determine both the existing topography of the site and design the proposed grades. A drainage plan will be developed to handle the stormwater runoff expected on the improved site. This may require the design of storm sewers and a detention pond. The P.E. will design the sanitary sewer and water service and may prepare an erosion control plan. The civil engineer also may need to meet with local permit authorities and will prepare and file plans and applications for their approval. The builder may also want the P.E. to set the grade stakes on the site for use by the excavator.

The church will normally contract separately with the civil engineer for these services. The architect can help the church solicit proposals for these services from local civil engineers and then will work closely with the selected P.E. to develop a workable site design.

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