

CEU Provider: CPD Subject Areas

I. Gather Information

- A. Scope of work
 - 1. Client requirements
 - 2. Contract requirements
- B. Existing physical conditions
 - 1. Underground systems
 - a. Type
 - b. Location
 - 2. Underground substructures
 - a. Type
 - b. Location
- C. Authorities having jurisdiction
 - 1. Identification of contacts
 - 2. Regulatory documents
 - 3. Minimum requirements
- D. Utility availability
 - 1. Available water source, size, & pressure
 - 2. Available fuel gas
 - 3. Available sanitary and storm sewers
- E. Budget constraints
- F. Identification of project team members

II. Design

- A. Site plan review for location, size, grade, etc.
 - 1. Sanitary systems
 - 2. Storm water systems
 - 3. Fuel gas systems
 - 4. Fire protection systems
 - 5. Service water systems
- B. System design
 - 1. DWV systems (Drainage, Waste, Vent)
 - 2. Storm water systems
 - 3. Service water systems
 - 4. Fuel gas systems
 - 5. Plumbing related alarm systems
 - 6. Fire protection systems
 - 7. Medical gas systems
 - 8. Private sewage disposal systems
 - 9. Other advanced plumbing systems
 - 10. Energy and water conservation
 - 11. Coordination of systems

III. Specifications

- A. Format of Specs
- B. Delineation of requirements not on drawings
- C. Specs of systems
 - 1. Plumbing
 - 2. Insulation
- D. Coordination with other specification divisions

IV. Construction Services

- A. Submittal review
 - 1. Alternative methods, equipment, or materials
- B. Construction observation
 - 1. Compliance with documents
 - 2. Resolution of field problems
- C. Systems tests
- D. Changes in the field
 - 1. Review of recommendations
 - 2. Preparation and evaluation of change orders
- E. Review of operating and maintenance manual(s)
- F. Review of record drawings

V. Administration

- A. Work Plans, schedules
- B. Budgets
- C. Personnel
- D. Quality management
- E. Coordination with other in-house departments
 - 1. Progress reports
 - 2. Communication
- F. Job file