Utility Initial Submittal Requirements

These initial submittal requirements, developed by the Design Task Force*, provide the designer with pertinent utility information and ensure any potential conflicts and/or known service problems are identified.

Minimum Initial Submittal Requirements

Location

- X and Y dimension information from known reference
  - Transmission/distribution main lines
  - Service leads
- Changes in offset (e.g. if a line goes from 40' from known reference to 50')
- Changes in facility characteristics (e.g. overhead to underground)

Characteristics

- Aerial
- Underground
  - Size/number of ducts of facility
  - Direct bury/conduit
  - Identify large chambers and vaults
  - Cathodic protection systems (rectifiers, bank of anodes, etc.)
- History
  - Age
  - Known problems
  - Potential upgrades
- Material
  - Fiber optic
  - Copper cable
  - Steel
  - Plastic
  - HDPE
  - Ductile iron
  - Clay
  - Concrete encased
  - Wood
  - Asbestos Cement (Transite)
- Description and Specification
  - Diameter
  - Voltage
  - Number of pair
  - Pressure (gas or air)
  - Oil filled cable
- Out-of-service/retired-in-place

Facility owner contacts for identification on the plans

- Construction
- Emergency

Plans

- Clear and legible format
- Legend of symbols
- Glossary of terms
- Electronic files preferred
- As-built and not as-designed

*The Design Task Force is represented by the following:

American Council of Engineering Companies (ACEC)
AT&T
Comcast Communications
Consumers Energy
County Road Association of Michigan (CRAM)
Detroit Edison
Frontier Communications
Michigan Consolidated Gas
Michigan Department of Transportation (MDOT)
Michigan Infrastructure & Transportation Association (MITA)
Michigan Municipal League (MML)
Miss Dig Systems, Inc.

Utility Follow-Up Information Requirements

These follow-up information requirements, developed by the Design Task Force*, provide the designer with additional utility information to ensure any potential conflicts and/or known service problems are further investigated.

Follow-Up Information for Areas with Potential Utility Conflicts

Location

- X, Y and Z dimension information from known reference
- Height of existing facility at potential conflicts (traffic signals, bridges, etc.)
- Test holes verifying elevation at conflict point
- Property interest documentation (easement, etc. - outside or within public Right-of-Way)

Characteristics

- Aerial
  - Pole attachments/ joint users
- Underground
  - Joint users of conduits
- Connection types
  - Mechanical
  - Welded
  - Fused
  - Threaded
  - Strapped
  - Bolted
  - Glued

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