Mapping Task Team

Report

June 30, 1999

Safe and Livable Communities

The Challenge

- To identify & describe practices used to graphically indicate the location of subsurface utilities as they relate to the surface of the earth

Safe and Livable Communities

Team Composition
12 Members

- One Call Centers
- Pipeline Operators
- State Government
- Contractors

- Locators
- Railroads
- Federal Government
- Telecommunications

Safe and Livable Communities

Best Practices

- Team focused on mapping issues involving:
  - One-Call Centers
  - Locators
  - Facility Owners
  - Project Owners
  - Excavators

Safe and Livable Communities

Best Practices: One-Call Centers

- Use an electronic mapping system that:
  - Contains the most precise geographic data available to the center;
  - Produces a ticket for the smallest practical geographic area;
  - Accepts data in a variety of formats with minimal human intervention;
  - Is promptly updated as data are provided;

Safe and Livable Communities

Best Practices:
One-Call Centers, cont.

- Is publicly available to identify excavation areas;

- Produces Lat/Long data from other data formats & can determine street addresses, roads, intersections, or mile posts from Lat/Long data; and

- Can keep the land base updated, including a process to add new street data, etc.

Safe and Livable Communities

Best Practices: Locators

- Should be trained in map reading & symbology

- Should provide the facility owner with precise location data obtained from a locate

- Should provide feedback to one-call centers on land base mapping & location discrepancies

Safe and Livable Communities

Best Practices: Facility Owne

- Give one-call centers enough data to allo proper notice of excavation activities
- Provide access to mapping system usable both the locator & the facility owner
- Require designers to adhere to facility owner mapping standards

Safe and Livable Communities

Best Practices: Facility Owners

- Provide consistent, current data to the one- call center for proper receipt of ticket notice, including Lat/Long tied to a physical attribute

- Capture in an electronic database:
  - New construction at the time of installation
  - Location of abandoned or sold facilities

Safe and Livable Communities

Best Practices: Facility Owners, cont.

- Engineering station & milepost/marker locatio
  including Lat/Long & the alignment of utility
  each running line change or PI

- Bridges, culverts, rivers, road crossings, etc.

- Small scale map showing the overall utility ro

- Number of utility lines or conduits owned by t
  facility owner in the corridor or the size of the
  duct package/bank

Safe and Livable Communities

Best Practices: Project Owners

- Should provide the excavator with accurate location data on the proposed excavation area
- Should determine a starting point, end point & which side of the property/street the excavation area is located

Safe and Livable Communities

Best Practices: Excavators

- Should provide comprehensive, accurate location data to one-call centers, including address, intersection, legal description & Lat/Long if feasible

- Should provide a starting point, end point & which side of the property/street the excavation area is located

Safe and Livable Communities

Mapping Task Team

Report

June 30, 1999

Safe and Livable Communities