

## Locating and Marking Application Guide for Gas Utilities



- 1 Main or Service Stubs**
  - High likelihood need to connect later or due to new construction
  - Pinpoint location of connection point where a locator may not provide the needed level of accuracy
  - Stubs often get knocked down or covered when their end is above ground
- 2 Main or Service Repair Locations**
  - Higher risk point for future failures, where to look first when there's an issue
  - Easily able to identify and map
  - Ease of identification using a marker and precise
  - Positive location
- 3 Main to Service Connection**
  - Marker clearly defines the location of the facility
  - If connection point and premise point can be identified, may improve ability to determine the path of the service line
  - Provides a good starting point
  - Poor locatability due to ungrounded tracer wire
  - Sometimes with a metal meter, if changed to plastic not easily locateable
  - High risk point for excavation damage, often most vulnerable location for strikes
- 4 Service Valve**
  - Sometimes paved over, covered with vegetation or snow pack
  - Can serve as an aid with emergency response to shut off valves
- 5 Main Shutoff Valve**
  - Aids with emergency response to shut off valves
  - Not easily locatable and needs to be located quickly
  - Often covered
- 6 Main 90 degree Elbows**
  - Logical point of failure (leak)
  - Assists in path marking of critical assets
  - Change of direction can make them broadside to the path of the utility, making it vulnerable to being hit
- 7 Offsets**
  - Assists in path marking of critical assets
  - Point of interest indicating something has changed
  - Fittings present – leak potential
  - Potential higher risk that an abandoned facility may be present in the straight line
- 8 Road Crossings**
  - Depth of cover confirmation, location of conduit, location accuracy for future road work
  - Deep dive markings on each side of road to confirm utility location after bore, find buried or sawed-off conduits
  - Identify facility in high congestion, high traffic area
  - Identify facility in area of future construction

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**Electrical Markets Division**

6801 River Place Blvd.  
Austin, TX 78726-9000  
800/200-0265  
Fax 877/601-1305  
www.3M.com/dynatel

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