



<p><b>SUPERSEDED BY EB 98-045</b>  <b>EFFECTIVE 12/1/98</b></p>		<p>New York State  Department of  Transportation  <b>ENGINEERING</b>  <b>INSTRUCTION</b></p>	<p><b>EI</b>  <b>96-052</b></p>
<p>Title: <b>UNDERGROUND UTILITY LOCATION LABELING CONVENTION</b></p>			
<p>Distribution:</p> <p><input type="checkbox"/> Manufacturers (18)      <input type="checkbox"/> Surveyors (33)</p> <p><input checked="" type="checkbox"/> Main Office (30)      <input checked="" type="checkbox"/> Consultants (34)</p> <p><input type="checkbox"/> Local Govt. (31)      <input checked="" type="checkbox"/> Contractors/AGC (39)</p> <p><input checked="" type="checkbox"/> Regions/Agencies (32)      <input type="checkbox"/> _____ ( )</p>	<p>Approved:</p> <p>  P. J. Clark, Deputy Chief Engineer,  Design Division</p> <p style="text-align: right;">12/26/96  Date</p>		

The purpose of this Engineering Instruction is to provide Contractors and EIC's with knowledge of the degree of accuracy of utility locations and information provided to designers during project development and shown on the Contract plans.

This information does not relieve the Contractor of his obligations under Sections 660 through 680 of the Standard Specifications, nor does it relieve the utility owners of their obligation to accurately locate their facilities.

Effective with the letting of May 8, 1997, the Quality Level definitions shown below must be included in the General Notes on the Contract Plans.

**Quality Level A** - The highest degree of accuracy; the utility information on the contract plans has been field located and verified by excavation, when appropriate. (Shown as QLA)

**Quality Level B** - Subsurface geophysical locating techniques (ie. underground cameras, radar, sonar, tone outs, etc.) and existing record plans have been used to locate utilities. No excavations were performed. (Shown as QLB)

**Quality Level C** - Record information provided by utility owners was plotted on the contract plans. Depths were not field verified. Physical surface features like manholes, valve boxes and hydrants have been field located. (Shown as QLC)

**Quality Level D** - Existing NYSDOT and utility company records were used to locate subsurface utilities. (Shown as QLD)

In addition , the Quality Level for each utility shown on the utility and general plan sheets must be shown on the right hand side of the sheet, above the as built revision box.

The quality level information for each set of utilities(QLA, QLB, QLC, QLD) must be documented in the PS & E letter of transmittal under **C. Utilities**.

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An example of a note to be included by designers, on the Contract Plans, is as follows:

Underground utilities know on this project:

- \* Waterlines; Sta. 0+035, lt. - Sta. 1+030, lt. = QL"A", Sta. 1+030, lt.-Sta. 9+350, lt. = QL"C", etc.
- \* Sanitary Sewers; (Town) Sta. 5+020, rt.-7+090, rt. = QL"D". (City) Sta. 7+090,rt. - Sta. 9+015, rt. = QL"D", etc.
- \* Electric; (RG&E), Sta. 0+000, rt. - 14+050, rt. and Sta. 0+000, lt.-17+050, lt., = QL"C"
- \* Telephone; (NYT), Sta. 0+000, rt. - 14+050,rt. and Sta. 0+000, lt.-17+050, lt., = QL"A"
- \* Gas; (RG&E); 399mm, Sta. 0+000, rt.-8+029, rt. = QL"A", 200 mm, Sta. 8+029,rt.-Sta. 14+050, rt. = QL"D", etc.
- \* Traffic Loop Detectors; Rtes. 5 & 20 intersection with Bristol Street (NE, SE and SW legs of intersection = QL"D", etc.
- \* Inform Communications Cables; Sta. 0+000, rt. - 14+050, rt. = QL"A", Sta. 14+050, rt.-17+050, rt. = QL"D", etc.

Regional Utility Engineers will assist in obtaining information about the utility companies located within the project limits, and should be contacted early in the data gathering stage of a project. Further information on this can be obtained from the Regional Utility Engineer.

Questions regarding this El should be directed to Robert Falzo, Design Services Bureau at [518] 457-2408.