CABLE PRESSURE SYSTEM
GRADIENT METHOD
OF APPROXIMATE LEAK LOCATION

1. GENERAL

1.001 This addendum supplements Section 637-410-504. Information contained in this addendum was formerly contained in Addendum 637-411-501NB.

1.002 Whenever this addendum is reissued, the reason(s) for reissue will be provided is this paragraph.

1.003 This addendum is issued to:

(a) Provide information for the use of pressure templates.

3. SELECTING PRESSURE SCALE

The following changes apply to Part 3 of this section:

(a) Add Paragraphs 3.14 to 3.22

3.14 Templates may be used to aid in plotting the valve locations for any aerial, underground or buried toll cable under gas pressure.

3.15 In general, templates should be provided for all toll cables under gas pressure to indicate the locations of all valves, contactor-valves, and pressure plugs as shown on the cable records.

3.16 The locations of the above points should be shown on the template along a horizontal scale corresponding to Scale No. 9 of Table B, Section 637-410-504, Paragraph 3.10. The graph blocks on the template correspond to those on Form E-1017.

3.17 Each template (approximately 11 inches x 2 inches) is designed to cover about a 40,000 foot length of cable. The upper part of the template covers approximately the first half and the lower part the remainder of this length.

3.18 The material of the template is photographic film and is reasonably resistant to deformation and defacement under field use.

3.19 The template used must be checked with current cable records to be certain that it is in accordance with any changes which may have been made in the cable plant.

3.20 Select the template or templates which cover the series of valves where readings were taken.

3.21 Place the template on Form E-1017, or graph paper with similar blocks, so that the appropriate template edge is along the top edge of the graph.

3.22 Shift the template along the top edge of the graph so that the proper valve points can be marked on the graph. These valve points will usually be three on each side of the operated contactor, or leak, where readings have been taken in accordance with other sections of the practices.