EXPECTED IMPLEMENTATION JULY 2011

DRAFT

630 CONDUIT – FIBER OPTIC CABLE LOCATE WIRE.
(REV 11-22-10) (FA 1-6-11) (7-11)

SUBARTICLE 630-3.1.2 (Pages 739 - 740) is deleted and the following substituted:

630-3.1.2 Fiber Optic Cable Locate Wire: Install locate wire in the trench or bore with all underground conduits to provide end-to-end electrical continuity for electronically locating the underground conduit system.

For direct burial conduit or trench, bury locate wire along the centerline of the top outer surface of installed conduit. Install the locate wire no more than 3 inches above the conduit.

For bored conduit, place locate wire within its own inner duct or use conduit with integral locate wire.

Ensure that the locate wire enters all pull boxes and splice boxes, and that a minimum of 10 feet of slack locate wire is coiled and neatly stored in each box. Drill a hole in the pull box or splice box for wire entry. Fill any gaps between the locate wire and the hole it passes through with non-shrink grout or a similar sealant suitable for the application and approved by the Engineer.

Do not run locate wires into field cabinets. Terminate locate wires at the first and last pull boxes in the conduit run. Ensure that wire termination occurs only at the top of a pull box. Perform continuity tests and insulation resistance tests on all locate wires. Provide the Engineer with all test results. Replace or repair defective locate wire at no additional cost.

Make locate wire splices in a flush grade-level box. Ensure that locate wire splices are waterproof and suitable for direct burial. Ensure that locate wire splices at the pull box meet NEC requirements. Ensure that locate wire splices include a mechanical crimp connection with a butt sleeve, an oxide-preventing aerosol lacquer, mastic electrical splicing tape, and standard electrical tape using methods and materials approved by the Engineer. At the completion of the installation, provide the Engineer with as-built drawings that document all splice locations.