# NIPSCO

# ROAD CROSSING

**Developer Installed Conduit** 

03-22-95 ER 18-500 PAGE 1 OF 2

**Use:** Developer installation of conduit crossings, for electric primary, electric secondary, gas main, gas service, etc., for new road construction in developments.

Previous Revision Originated Previous Number 03-95

LATEST REVISION: New Standard

REFERENCE: NEMA TC-2, TC-8, TC-9, Latest Revision

ASTM D635, D638, D648, D696, D790, D1785, F512, Latest Revision

National Electric Safety Code, Section 32

EU 19-270, Latest Revision

Gas Standards 280-0040, 280-0072, Latest Revision

#### SPECIFICATION:

- 1. All conduits shall be PVC, Schedule 40 or Type DB-120 (NEMA TC-8). All conduits shall be supplied and installed by the developer. All conduit installations and crossing locations are subject to the approval of the Local Operating Area, Engineering Departments.
- 2. A minimum of 36 inches, and a maximum of 48 inches, of cover shall be maintained above all conduits. In gas and electric, combination installations, all conduits shall be installed horizontally, in a joint trench, with a 12 inch separation between electric and gas conduits (See Figure 1).
- 3. All conduits shall extend a minimum of 5 feet beyond the road edge and 2"x4" studs shall be used to mark conduits at each end of crossing (See Figure 2). The 2"x4" markers shall be within 1 foot horizontally from the end of the conduit. The 2"x4" markers shall extend a minimum of 36 inches above final grade and be clearly identified as to communicate proposed conduit use.
- 4. All conduits shall be temporarily sealed, at both ends, as to prevent infiltration and blockage of conduits.
- 5. All conduits shall be sized as follows, and are subject to the approval of Local Operating Area, Engineering Departments:

| Electric Primary              | 3" min.     |
|-------------------------------|-------------|
| Electric Secondary or Service | 3" min.     |
| Gas Main                      | 4" min.     |
| Gas Service                   | 1 1/2" min. |

6. On either side of the road crossing, normal trenching methods shall be followed. (Refer to EU 19-270 for electric only or joint trenching, and Gas Standard 280-0040 for gas only trenching.)

Electric Drives ...

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### **TYPICAL INSTALLATION:**

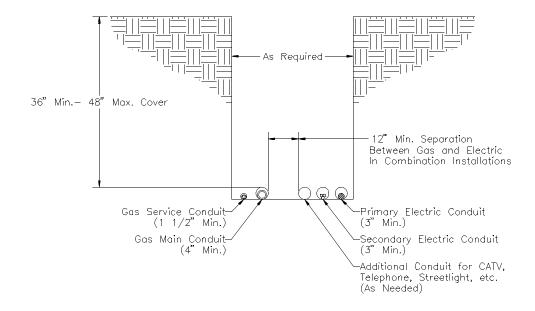


Figure 1

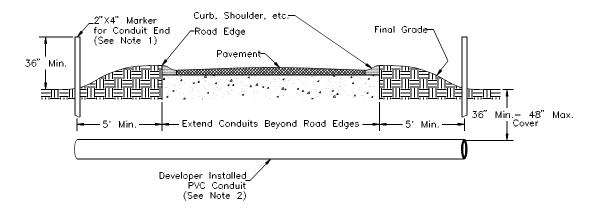


Figure 2

## NOTES:

- 1. 2"x4" markers shall be installed in a manner as to prevent easy removal.
- 2. All conduits shall be PVC, Schedule 40 or Type DB-120 (NEMA TC-8).