

OUTSIDE PLANT SYMBOLS  
UNDERGROUND CONDUIT AND MANHOLES  
BUILDING CONDUIT AND HOUSINGS

	CONTENTS	PAGE
1.	GENERAL . . . . .	1
2.	SYMBOLS FOR UNDERGROUND CONDUIT AND MANHOLES . . . . .	1
3.	SYMBOLS FOR BUILDING CONDUIT AND HOUSINGS . . . . .	3




1. GENERAL

1.01 The symbols listed in this section pertain to underground conduit and manholes and to building conduit and housings. These symbols are for use primarily on construction work prints and records, although some of them may be used on maps. A complete list of abbreviations used in conjunction with outside plant symbols is contained in Section 620-040-020.

1.02 This section is reissued to add and revise symbols. Since this is a general revision, arrows ordinarily used to indicate changes have been omitted.

2. SYMBOLS FOR UNDERGROUND CONDUIT AND MANHOLES

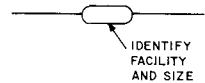
2.01 The following symbols are to be used in connection with underground conduit and manholes:

- (a) Underground conduit 
- (b) Manhole 
- (c) Underground conduit, manhole, and subsidiary conduit 


(d) Splicing chamber, service box, or handhole



(e) Subsurface structure and/or facility of other utility company

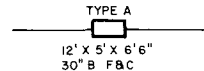


The following codes should be used to identify the type of facility:

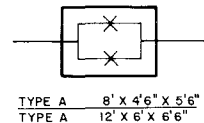
- CATV Community antenna television
- E Electric
- G Gas
- M Municipally owned
- P Pipe line
- PO Privately owned
- S Sewer
-  Water

2.02 The following are illustrations of manholes:

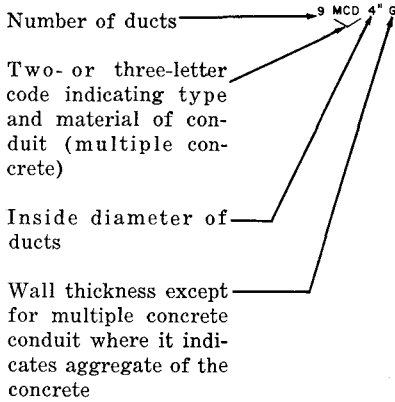
(a) Proposed manhole. Type, length, width, headroom, and type of frame and cover indicated.



(b) Existing manhole to be rebuilt. Length, width and headroom specified.



2.03 The method of indicating conduit is as follows:








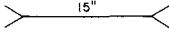
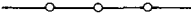

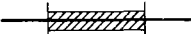
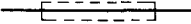
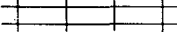

2.04 The following are illustrations of conduit:

- (a) Plastic conduit, type B (thin wall) — 9 PC 4" B —
- (b) Plastic conduit, type C (heavy wall) — 6 PC 4" C —
- (c) Plastic conduit, type D (for exposed locations) — 4 PC 4" D —
- (d) Fiber conduit, type B (thin wall) — 8 FD 4" B —
- (e) Fiber-cement conduit, type B (thin wall) — 6 CEM B —
- (f) Multiple concrete conduit, type F (lightweight aggregate) — 9 MCD 4" F —
- (g) Multiple tile conduit — 6 MTD —
- (h) Single tile conduit — 2 STD —
- (i) Sewer pipe conduit — 1 SP 4" —

- (j) Steel pipe conduit — 1 STL 4" —
- (k) Creosote wood conduit — 2 CWD 4-1/2" —
- (l) Method of indicating trench feet of conduit (wall-to-wall measurement) type of conduit (multiple tile, 6 ducts), and year of placement
- (m) Standard and oversize multiple tile conduit — 8 MTD 4-1/2" / 4 MTD 4" —
- (n) One cast iron bend, type 3L — 1 CIB 3L —
- (o) One sewer pipe bend, 4-inch type 3-1/2 D — 1 SPB 4" 3-1/2 D —

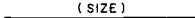
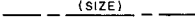
2.05 The following are miscellaneous symbols associated with underground conduit construction work prints:

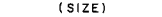
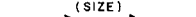
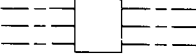













- (a) Catch basin at curb.
- (b) Water line. Valve in line. Valve off main line. Fire hydrant.
- (c) Right-of-way and bench marker.
- (d) Property line stake or iron pipe.
- (e) Traffic light signal post.
- (f) Traffic light controls, pedestal mounted.

- (g) Traffic light controls, underground. 
- (h) Sign post, street, road, stop, etc. 
- (i) Electric transformer. 
- (j) Mail box. 
- (k) Parking meter. 
- (l) Culvert (size indicated). 
- (m) Fence. 
- (n) Tree or bushes (trunk diameter indicated). 
- (o) Section of pavement, driveway, or sidewalk to be replaced. 
- (p) Push and remove pipe, tunnel, auger, or place casing. 
- (q) Surface railroad tracks. 
- (r) Amount of ground cover. 

**3. SYMBOLS FOR BUILDING CONDUIT AND HOUSINGS**

**3.01** The following symbols are to be used in connection with building conduit and housings:

- (a) Conduit, concealed in ceiling or wall. 
- (b) Conduit, concealed in floor. 

- (c) Conduit, exposed. 
- (d) Conduit, home run to panel board. 
- (e) Underfloor duct and junction box, triple system. Number of lines entering a box in the header duct run indicates number of systems (telephone, electric, TV, etc.). 
- (f) Conduit riser. 
- (g) Riser sleeve. 
- (h) Floor outlet. 
- (i) Ceiling outlet. 
- (j) Wall outlet box, telephone. 
- (k) Primary entrance location. 
- (l) Primary entrance outlet. 
- (m) Conduit for placing ground wire. 
- (n) Backboard. 
- (o) Metal wall cabinet. 
- (p) Telephone panel (circuit). 
- (q) Switchboard. 
- (r) Pull box. 

**SECTION 620-040-014**

(s) Cellular floor  
with trench head-  
er feed.



(t) Cellular floor  
with header duct  
feed.

