

## GENERAL

### OUTSIDE PLANT SYMBOLS

CONTENTS	PAGE
1. GENERAL .....	1
2. SYMBOLS FOR USE ON MAPS .....	1
3. CAUTION SYMBOL .....	4
4. REVISION SYMBOL .....	4

#### 1. GENERAL

**1.01** The symbols included in this and succeeding sections through Section 620-040-019 are for use on construction work prints, plant location records, maps, etc, to indicate the various kinds of outside plant. The symbols in Part 2 of this section are primarily for use on maps but some may be used on work prints and records. The symbols in the balance of these sections are primarily for use on construction work prints, plant location records, etc, but some may also be employed 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 being revised to add a symbol for revisions. Revision arrows are used to emphasize the more significant changes.

**1.03** The following symbols are employed in these sections to indicate whether the plant is existing, proposed, future, or to be removed:

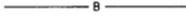
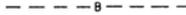
Existing (light line)	
Proposed (heavy line)	
Future	
To be removed	

**1.04** In several cases, the same symbol is used to indicate two or more kinds of plant. However, distinction between types of plant so designated is clearly indicated by the associated symbols and details as well as by the title and general type of work print or record on which they are used.

#### 2. SYMBOLS FOR USE ON MAPS

**2.01** In view of the difficulty of mechanically reproducing colors on maps, symbols which rely on the interpretation of color for their meaning are not recommended. Emphasis on certain features may be obtained by employing suitable comparative line weights, positioning and segregation, and providing suitable legends.

**2.02** The following symbols are for use on maps:

- |  |  |
|--|--|
| (a) Underground conduit or underground cable in conduit. |    |
| (b) Future underground conduit.                          |    |
| (c) Cable — aerial, block, or building.                  |    |
| (d) Cable — submarine.                                   |   |
| (e) Cable — buried.                                      |  |
| (f) Future cable.  |  |
| (g) Wire — aerial (open or multiple).                    |  |
| (h) Wire — buried.                                       |  |

#### NOTICE

Not for use or disclosure outside the  
Bell System except under written agreement

(i) Wire — drop.



(j) Bell company central office.



(k) Independent company central office.



(l) Future Bell company central office.



(m) Bell company central office toll center.



(n) Independent company central office toll center.



(o) Repeater station in central office.



(p) Repeater station — attended.



(q) Repeater station — unattended.



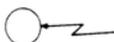
(r) Radio repeater station, including microwave — attended.



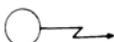
(s) Radio repeater station, including microwave — unattended.



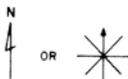
(t) Radio telephone receiving station.



(u) Radio telephone transmitting station.

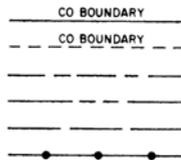


(v) Arrow for orientation (generally shown to the top or left on maps or records).



(w) Boundary lines.

The following line symbols should be used to indicate boundary lines. They may be identified by legends on the map or notations adjacent to the symbol. The rule of showing heavy lines for proposed and light lines for existing plant (paragraph 1.03) does not apply for boundary lines.



(x) Railroad.



(y) Center line.

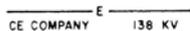


(z) Property line.



**2.03** When facilities other than those owned by telephone companies are shown on maps, the following codes should be used:

Aerial (electric shown)



Underground or buried (electric shown)



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

CATV Community antenna television

E Electric

G Gas

M Municipally owned

P Pipeline

PO Privately owned

R	Railroad	2.04	When further identification is necessary, such as company name, state, county, or city, the symbol may be supplemented with suitable words, abbreviations, or legends.
S	Sewer		
W	Water		
WU	Western Union Telegraph	2.05	Ownership of telephone plant is indicated as shown in the following examples:

	OWNERSHIP	UG CABLE	BURIED CABLE	AERIAL CABLE	OPEN WIRE
(a)	Associated company.				
(b)	Associated company (toll).				
(c)	Other company (independent).				
(d)	AT&T Company (Long Lines).*				
(e)	Joint associated company and AT&T Company (Long Lines).*				
(f)	Associated company.†				
(g)	Joint associated company and other company.				
(h)	Telephone company exchange aerial cable on foreign pole line. Type of plant (open wire or cable) is indicated by the appropriate line symbol. Use of the plant (exchange or toll) is indicated by the appropriate notation.				

\*For use on associated company maps.

†For use on AT&T Company maps (Long Lines).

2.06 The conventional symbols employed on a topographic map of the United States may be used to designate state, county, township, city, village, and borough lines, as well as other details such as streams and trails when these designations are desirable.

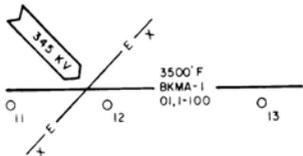
3. CAUTION SYMBOL

3.01 This part introduces standard caution symbols to be used generally on construction work prints. These symbols may also be used on plant location records and maps where permanent potential hazards or special conditions exist. The symbols are to be used at all locations on construction work prints where it is appropriate to get the special attention of construction, maintenance, and engineering personnel. It will act as a signal for indicating the need for extra caution and should be accompanied by appropriate notes explaining the hazardous conditions. All notes, whether on construction work prints or plant location records, should be placed in a prominent place on the drawings.

- (a) Caution symbol.  
(Refer to note number on work print if applicable.)



- (b) Illustration of caution symbol used on construction work print.



4. REVISION SYMBOL

4.01 This part introduces the standard revision symbol to be used on construction work prints. This symbol is used at each location being revised on a construction work print to alert construction, maintenance, and engineering personnel. The symbol should be placed in a prominent place near the location being revised and should contain appropriate notes explaining the revision.

- (a) Revision symbol.  
Refer to the date revision is made and to appropriate notes, if applicable.



- (b) Illustration of symbol used on construction work print.

