

OUTSIDE PLANT SYMBOLS
GENERAL

1. GENERAL

1.01 This section describes the symbols used on construction work prints, plant location records, maps, etc., to indicate the various kinds of outside plant.

1.02 It is issued to provide standard symbols for Pacific Company use.

1.03 The symbols in Part 2 of this section are primarily for use on maps, but some may be used on work prints and records.

1.04 The following sections describe symbols which are used primarily on construction work prints, plant location records, etc., but may also be used on maps:

| | |
|---------------|--|
| 620-040-011PT | General |
| 620-040-012PT | Poles and Associated Equipment |
| 620-040-013PT | Wire |
| 620-040-014PT | Underground Conduit and Manholes — Building Conduit and Housings |
| 620-040-015PT | Cable, Cable Terminals and Closures, Control and Access Points |
| 620-040-016PT | Loading Coil Cases, Capacitors, Inductors. |
| 620-040-017PT | Carrier Systems |
| 620-040-018PT | Cable Pressurization Systems |
| 620-040-019PT | Closed Circuit Television Systems |

620-040-020PT Outside Plant Abbreviations—
General

1.05 A complete list of abbreviations used in conjunction with outside plant symbols is contained in Section 620-040-020PT.

1.06 The following symbols are employed in the sections listed in paragraph 1.04 to indicate whether the plant is existing, proposed, future, or to be removed:

| | |
|--------------------------|---|
| Existing (light line) |  |
| Proposed (heavy line) |  |
| Future |  |
| To be removed as junk |  |
| To be removed as salvage |  |
| To be abandoned in place |  |

1.07 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, LOCATION RECORDS, WORK PRINTS

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, by positioning and segregation, and by providing suitable legends.

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2.02 The following symbols are for use on maps:

(a) Underground Conduit

- (1) Existing 
- (2) Proposed 
- (3) Future 
- (4) Joint trench 

(b) Underground Cable

- (1) Existing 
- (2) Proposed 
- (3) Future 

(c) Cable — aerial, block, or building 

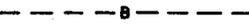
(d) Cable — submarine 

(e) Cable — buried 

(f) Cable — buried joint 

(g) Future cable 

(h) Wire — aerial (open or multiple) 

(i) Wire — buried 

(j) Wire — drop 

(k) Bell company central office (CO) 

(l) Independent company CO 

(m) Future Bell company CO 

(n) Bell company CO toll center 

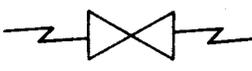
(o) Independent company CO toll center 

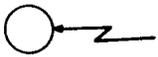
(p) Repeater station in CO 

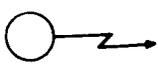
(q) Repeater station — attended 

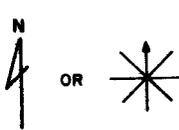
(r) Repeater station — unattended 

(s) Radio repeater station, including microwave — attended 

(t) Radio repeater station, including microwave — unattended 

(u) Radio telephone receiving station 

(v) Radio telephone transmitting station 

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

2.03 When facilities other than those owned by telephone companies are shown on maps or work prints, the following symbols should be used:

• **Aerial (electric shown)** 

• **Underground or buried (electric shown)** 

2.04 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
- R Railroad
- S Sewer
- W Water
- WU Western Union Telegraph

2.05 When further identification is necessary, such as company name, state, county, or city, the symbol may be supplemented with suitable words, abbreviations, or legends.

2.06 Ownership of telephone plant shall be indicated as shown in Table A.

2.07 When a Telephone Company exchange aerial cable is on a foreign pole line, the 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 example:



2.08 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 a standard caution symbol to be used on all construction work prints. It may also be used on plant location records and maps where permanent potential hazards or special conditions exist. This symbol is to be used at all locations on construction work prints where it is appropriate to call the special attention of construction, maintenance, and engineering personnel. It will act as a signal for indicating the need for extra caution. It 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)



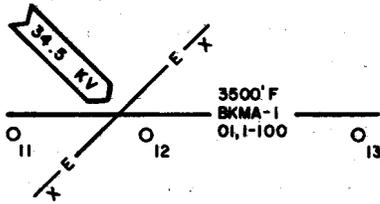
TABLE A

| OWNERSHIP | UG CABLE | BURIED CABLE | AERIAL CABLE | OPEN WIRE |
|--|----------|-----------------|--------------|-----------------|
| Associated company | | - B - B - | _____ | - - - - - |
| Associated company (toll) | | - B - T - B - | _____ T | - - - T - - - |
| Other company (independent) | | - B - I - B - | _____ I | - - - I - - - |
| AT&T Company (Long Lines) * | | - B - A - B - | _____ A | - - - A - - - |
| Joint associated company and AT&T Company (Long Lines) * | | - B - (A) - B - | _____ (A) | - - - (A) - - - |
| Associated company † | | - B - B - B - | _____ B | - - - B - - - |
| Joint associated company and other company | | - B - (W) - B - | _____ (W) | - - - (W) - - - |

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

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(b) Illustration of symbol used on construction work print



3.02 Exchange Feeder Route Analysis Program (EFRAP) and Mechanized Exchange Cable Administration (MECA) symbols are as follows:

(a) Lateral symbol for work prints and location records

2102
29

or

2102-29

(b) Sheath Number: The symbol is $\surd 3$ arrowed to the correct sheath on the location records at the beginning of each EFRAP section.