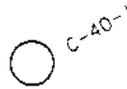


**EXPLANATION OF GRAPHIC SYMBOLS:**

The Graphic Symbols and Definitions in this document represent facilities used in the SRP Distribution and Subtransmission systems and appear on SRP Mapping and Job Design products. The symbols appear in two categories:

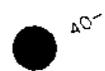
1. Proposed: Indicates a facility that is to be constructed and installed. In most cases, the prefix "C-" is placed in front of the facility annotation.

EXAMPLE:  
DISTRIBUTION POLE - 40 FT.  
CLASS I



2. Existing: Indicates an existing facility. No prefix is used with the facility annotation.

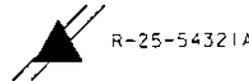
EXAMPLE:  
DISTRIBUTION POLE - 40 FT.  
CLASS I



Removing, Transferring or Abandoning a facility does not require additional symbols. However, the annotation and/or the Existing symbol is modified as follows:

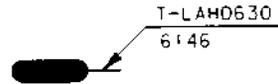
1. Removal: Parallel bars "/" are drawn over the Existing facility symbol and the prefix "R-" is placed in front of the facility annotation.

EXAMPLE:  
POLE MOUNTED TRANSFORMER



2. Transfer: The Existing facility symbol is not modified. The prefix "T-" is placed in front of the facility annotation.

EXAMPLE:  
STREET LIGHT LUMINAIRE  
& MAST ARM



3. Abandon: An elongated reverse "N" is drawn over the Existing facility symbol and the prefix "A-" is placed in front of the facility annotation.

EXAMPLE:  
TOP AND BOTTOM POLE KEYS



Unless otherwise noted:

- Switch, Capacitor, Transformer, Recloser, Sectionalizer and Light Numbers will be annotated.
- Symbol Size = 1/8".

REV. 2 COMPLETELY REVISED 8/12/93.

SRP PROPRIETARY MATERIAL - THIS MATERIAL IS BASED ON ASSUMPTIONS AND CRITERIA WHICH MAY NOT BE VALID OUTSIDE THE SRP ELECTRIC SYSTEM. FOR INTERNAL USE ONLY.

DES. RAL  
DR. BEB  
APP. *[Signature]*  
DATE 4/11/72



ELECTRIC DISTRIBUTION  
CONSTRUCTION STANDARDS

**OVERHEAD LOCATION  
DESIGN SYMBOLS**

REV. 3  
REMOVED DUPLICATE INFO. 05/05/95

**I. POLE:**

A long, slender (usually cylindrical) column, made of wood, steel, concrete or fiberglass, used to support conductors and electrical equipment.

EQUIPMENT/DEVICE	PROPOSED	EXISTING
<b>WOOD POLES:</b> Distribution • Height and Class annotated (Existing only) Subtransmission • "P-", Pole Number and Pole Height annotated		
<b>STEEL POLES (Multiple-sided or Round):</b> Distribution • Height annotated Subtransmission • "P-", Pole Number and Pole Height annotated		
<b>WELTRUS/TRIPARTITE POLES:</b> Distribution • Height and "WL" or "TR" annotated	N/A	
<b>CONCRETE POLES:</b> Distribution • Height annotated Subtransmission • "P-", Pole Number and Pole Height annotated		

**II. CUSTOMER OWNED/FOREIGN OWNED POLE:**

**CUSTOMER OWNED POLE:**  
 Owned by an SRP customer and located on that customer's private property.

**FOREIGN OWNED POLE:**  
 Owned and maintained by another municipality or utility company and are usually located in a public R/W. SRP conductors may or may not be attached to a Foreign Owned Pole.

EQUIPMENT/DEVICE	PROPOSED	EXISTING
<b>WOOD POLES (Distribution):</b> Customer Owned • Height and "CO" annotated Foreign Owned • Height and Ownership annotated (i.e. PH = Phoenix, APS = Arizona Public Service)		
<b>STEEL POLES (Distribution):</b> Customer Owned • Height and "CO" annotated Foreign Owned • Height and Ownership annotated (Multiple-sided or Round)		

**III. POLE STRUCTURE:**

A structure made up of two or more poles that is used to support conductors and electrical equipment or to provide additional stability in unstable soil conditions.

**NOTE:** All structure symbols show actual configuration and number of poles.

EQUIPMENT/DEVICE	PROPOSED	EXISTING
<b>WOOD OR STEEL POLE STRUCTURES:</b> Distribution • Pole Height and Class annotated Subtransmission • "P-", Pole Number and Pole Height annotated		

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**OVERHEAD LOCATION  
DESIGN SYMBOLS**

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**ELECTRIC DISTRIBUTION  
CONSTRUCTION STANDARDS**

DR.	APP. 2/72	DES. RAL
DATE 4/1/72	BEB	

8512E218

8512E218

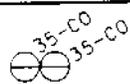
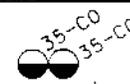
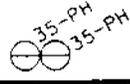
**IV. CUSTOMER OWNED/FOREIGN OWNED POLE STRUCTURE:**

**CUSTOMER OWNED POLE STRUCTURE:**

Owned by an SRP customer and located on that customer's private property.

**FOREIGN OWNED POLE STRUCTURE:**

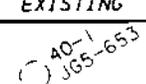
Owned and maintained by another municipality or utility company and are usually located in a public R/W. SRP conductors may or may not be attached to a Foreign Owned Pole Structure.

EQUIPMENT/DEVICE	PROPOSED	EXISTING
<b>WOOD OR STEEL POLE STRUCTURES (Distribution):</b>		
Customer Owned      • Pole Height and "CO" annotated		
Foreign Owned      • Pole Height and Ownership annotated		

**V. POLE REMOVAL TAG:**

Text placed on a 1/4 Section Map to show job that will remove a pole.

**NOTE:** Dashed pole symbol is for reference only and can represent a proposed or existing SRP Wood Pole, a Customer Owned Wood Pole, or a Foreign Owned Wood Pole.

EQUIPMENT/DEVICE	PROPOSED	EXISTING
Pole Removal Tag      • Job Number removing the pole is annotated	N/A	

**VI. GUYING:**

**GUY:**

A wire with one end attached to a pole at a point where an unbalanced force exists and the other end going to an anchor or another pole.

**ANCHOR:**

A device embedded in the ground to which the guy wire is attached.

**SIDEWALK GUY:**

A guy wire with a short lead length (less than 7 feet) that has a horizontal brace installed between the pole and the guy wire to provide an area for walking between the pole and guy wire.

**OVERHEAD GUY:**

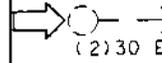
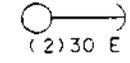
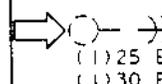
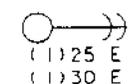
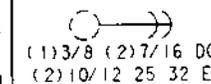
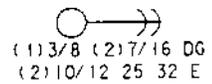
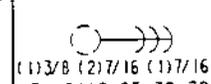
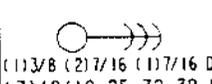
A guy wire that is installed between two poles to offset an unbalanced force on one or both of the poles. Also referred to as a Head, Span or Wing Guy.

**POLE KEY:**

Bracing installed below grade to stabilize a wood pole against an unbalanced force.

**PUSH POLE:**

A wood pole used to brace another pole. Also referred to as a Push Brace.

EQUIPMENT/DEVICE	PROPOSED	EXISTING
<b>GUY &amp; ANCHOR:</b>		
Distribution      • Guy Quantity ( ), Anchor Distance and Direction from Pole annotated		
<b>NOTE:</b> Guy Wire Symbol represents 1 to 3 guy wires. Single Anchor Symbol represents 1 anchor. 1 to 4 anchors may be placed on a guy wire.		
Subtransmission      • Guy Quantity ( ), Guy Wire Size & "DG" annotated • Anchor Quantity ( ), Anchor Rod Length, Anchor Diameter, Anchor Distance and Direction from Pole annotated		
<b>NOTE:</b> Guy Wire Symbol represents 1 to 8 guy wires. Single Anchor Symbol represents 1 anchor. 1 to 6 anchors may be placed on a guy wire.		

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DES. RAL/ACF  
DR. BEB  
APP. *act*  
DATE 4/11/72



**ELECTRIC DISTRIBUTION  
CONSTRUCTION STANDARDS**

**OVERHEAD LOCATION  
DESIGN SYMBOLS**

**205**

REV. 0 INITIAL RELEASE (REPLACES A PORTION OF PAGE 203 IN THE PREVIOUS EDITION OF THIS BOOK).

8512E218

DES. RAL  
DR. BEB  
APP. *BEB*  
DATE 8/12/93

**GUYING (cont'd):**

EQUIPMENT/DEVICE	PROPOSED	EXISTING
<b>SIDEWALK GUY:</b> Distribution • Anchor Distance and Direction from Pole annotated  <u>OPTIONAL:</u> Construct and transfer prefixes followed by Compatible Unit for guys and/or anchors.		
<b>OVERHEAD GUY:</b> Distribution • Quantity ( ) and span Length annotated  <u>OPTIONAL:</u> Construct and transfer prefixes followed by Compatible Unit for guys and/or anchors.		
<b>POLE KEYS (TOP ONLY):</b> Distribution		
<b>POLE KEYS (TOP &amp; BOTTOM):</b> Distribution		
<b>PUSH POLE:</b> Distribution • Push Pole Size annotated		

**VII. TOWER:**

A multi-leg steel structure, generally of lattice construction, used to support electrical conductors and equipment.

EQUIPMENT/DEVICE	PROPOSED	EXISTING
<b>TOWER:</b> Distribution Subtransmission • Tower Number and Height annotated	 	 
<b>FOREIGN OWNED TOWER:</b> Transmission • Ownership annotated		

**VIII. POLE RISER:**

An assembly containing electric conductors, power molding, terminations and devices for Primary, Secondary, Services or Communication cable that provides a raceway on the side of a pole between buried and overhead conductors.

NOTE: Dashed pole symbol is for reference only and can represent a proposed or existing SRP Wood Pole, a Customer Owned Wood Pole, or a Foreign Owned Wood Pole.

EQUIPMENT/DEVICE	PROPOSED	EXISTING
<b>POLE RISER:</b> Primary • Pole Riser Number annotated  Secondary or Service	 	 

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**OVERHEAD LOCATION  
DESIGN SYMBOLS**



ELECTRIC DISTRIBUTION  
CONSTRUCTION STANDARDS

8512E218  
 REV. 1  
 CORRECTED RECOMMENDED LINE WEIGHTS 5/15/94.  
 DES. DR. RAL/ACF  
 APP. BEB  
 DATE 8/12/93

**IX. CONDUCTOR:**

**PRIMARY:**

A wire used to carry electricity at voltages of 4.16kV, 12.47kV or 21.6kV (Feeder or Lateral) for the Distribution System.

**PRIMARY FEEDER:**

Primary Wire that is 4/0 or larger.

**SECONDARY:**

A conductor Intended to serve power from the low voltage side of the transformer to more than one Point of Delivery.

**STREET LIGHT:**

A portion of conductor that runs from a Distribution Transformer, Secondary Device or Secondary Conductor to a Point of Delivery for Street Lights.

**DUSK-TO-DAWN:**

A portion of conductor that runs from a Distribution Transformer, Secondary Device or Secondary Conductor to a Point of Delivery for Dusk-to-Dawn Lights.

**SERVICE CONDUCTOR:**

The section of conductor installed from a Distribution Transformer, Secondary Device or Secondary Conductor to a single Point of Delivery (electric meter or service entrance).

**COMMUNICATION CABLE:**

A cable (either Accessory Communication Cable or WUA Control Cable) used by SRP to transmit signals and to control various equipment and devices. Also referred to as Pilot Wire.

EQUIPMENT/DEVICE	PROPOSED	EXISTING
<b>Primary</b> <ul style="list-style-type: none"> <li>Recommended line weight: 0.9 mm ←</li> <li>Computer line weight 3</li> <li>Wire Quantity annotated</li> <li>Use Compatible Unit Code for conductor &amp; neutral wire. If common neutral (neutral in Secondary), use "CN"</li> <li>Voltage annotated, if other than 7.2/12.4kV</li> </ul>	C-3A2 (A2 N)	3A2 (A2 N)
<b>Secondary</b> <ul style="list-style-type: none"> <li>Recommended line weight: 0.5 mm ←</li> <li>Computer line weight 1</li> <li>Number of similar conductors/cable annotated, if more than 1</li> <li>Use Compatible Unit Code for conductor &amp; neutral wire. (Neutral size not required if Multiplex Cable)</li> <li>Voltage annotated, if other than 120/240V</li> </ul>	C-TX40	TX40
<b>Street Light/Dusk-to-Dawn</b> <ul style="list-style-type: none"> <li>Line weight and annotation same as for Secondary</li> </ul>	C-TX6Ø +++++	TX6Ø +++++
<b>Service</b> <ul style="list-style-type: none"> <li>Line weight and annotation same as for Secondary</li> </ul>	C-STX40	STX40
<b>Communication Cable</b> <ul style="list-style-type: none"> <li>Line weight and annotation same as for Secondary</li> </ul>	C-KCF20	KCF20

**X. CUSTOMER OWNED CONDUCTOR:**

Customer Owned Conductors in Sale Lease Back Areas and Fringe Area Agreements will appear as SRP Conductor line styles. However, the Customer Owned Conductors will only have Ownership Code annotated.

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**ELECTRIC DISTRIBUTION  
CONSTRUCTION STANDARDS**

**OVERHEAD LOCATION  
DESIGN SYMBOLS**

### XI. CONDUCTOR TERMINATION:

#### OPEN DOUBLE DEADEND:

Two circuits that deadend on the same structure or pole and are not electrically connected. May be referred to as Primary Open on a Primary Conductor and as Secondary Open (break) on a Secondary Conductor.

#### JUMPERED DOUBLE DEADEND:

Two circuits that deadend on the same structure or pole but are electrically connected.

#### OPEN SECONDARY INSULATED SPLICE:

An Insulated link, attached to a conductor which creates an open (break) between two secondary sources of feed.

#### CONDUCTOR CHANGE ARROW:

A picture used to mark the actual point along a conductor where the Wire Configuration (cable or open wire), Wire Size, Material Type, Neutral Wire Size, Neutral Material Type, Plant Account Number or Ownership changes.

EQUIPMENT/DEVICE	PROPOSED OR EXISTING
Open Double Deadend Primary or Secondary <ul style="list-style-type: none"> <li>• Primary example shown</li> </ul>	
Jumpered Double Deadend Primary or Secondary <ul style="list-style-type: none"> <li>• Secondary example shown</li> </ul>	
Open Secondary Insulated Splice	
→ Spliced Double Deadend Communications <ul style="list-style-type: none"> <li>• Splice Annotation denotes Splice Enclosure</li> </ul>	
Conductor Change Arrow <ul style="list-style-type: none"> <li>• Conductor attributes annotated on both sides of arrow</li> </ul>	

### XII. TRANSMISSION CONDUCTOR:

Wire(s) used to carry electricity, at voltages of 69kV and above, between the Power Generation Source and the Distribution Substation.

EQUIPMENT/DEVICE	PROPOSED	EXISTING
→ Conductor <ul style="list-style-type: none"> <li>• Recommended line weight: 0.9mm</li> <li>• Computer line weight 3</li> <li>• Wire Quantity annotated</li> <li>• Use Compatible Unit Code for conductor wire</li> <li>• Use Compatible Unit Code for static wire, if other than 5/16 SM</li> <li>• Voltage annotated, if other than 69kV</li> </ul>	C-3TA795	3TA795

### XIII. TRANSFORMER:

A device that transforms alternating current of one voltage to an alternating current of another voltage.

#### TRANSFORMER LOCATION CODE:

A number that identifies the location of a device within a 40 acre area.

#### SRP OWNED: owned and maintained by the Salt River Project

Each SRP Owned Transformer is Identified with the kVA, SRP Number, phase transformer is connected to and secondary voltage, if other than 120/240V.

EXAMPLES: 1. Existing 1 $\phi$ : ▲ 50-78781A      2. Existing 3 $\phi$  Bank: ▲ 50-24689A  
 ▲ 50-73578B  
 ▲ 50-36936C  
 120/208V

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## OVERHEAD LOCATION DESIGN SYMBOLS



ELECTRIC DISTRIBUTION  
CONSTRUCTION STANDARDS

DES. PAL/ACF  
 DR. BEB  
 APP. *gdy*  
 DATE 8/12/93

REV. 1 ADDED SYMBOL FOR SPLICED DOUBLE D.E. COMMUNICATION CONDUCTOR TERMINATION CORRECTED RECOMMENDED LINE WT. 5/15/94. 8512E218

8512E218

**TRANSFORMER (cont'd):**

EQUIPMENT/DEVICE	PROPOSED	EXISTING
Single Transformer		
Two Transformers Banked		
Three Transformers Banked		
Transformer Location Code (SRP or Customer Owned) <ul style="list-style-type: none"> <li>Last two numbers of Location Code annotated</li> <li>Ownership and Source Load SRP Number annotated, if Customer Owned</li> </ul>	N/A	

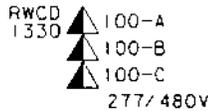
**XIV. FOREIGN OWNED/CUSTOMER OWNED TRANSFORMER:**

**FOREIGN OWNED:** owned and maintained by another electric utility

**CUSTOMER OWNED:** owned by an SRP customer and located on the customer's property

Each Customer Owned Transformer is identified with the total load information (kVA or HP), phase transformer is connected to and secondary voltage, if other than 120/240V.

**EXAMPLE:** Existing 3  $\Phi$  Bank



EQUIPMENT/DEVICE	PROPOSED	EXISTING
Single Transformer	N/A	
Two Transformers Banked	N/A	
Three Transformers Banked	N/A	

**XV. SWITCH:**

A device that controls the flow of electric power. When the switch is open, the power flow is interrupted. When it is closed, the power flow continues.

EQUIPMENT/DEVICE	PROPOSED	EXISTING
Blade Disconnect <ul style="list-style-type: none"> <li>SRP Switch Number annotated</li> <li>Continuous Current Rating in Amps "A" annotated</li> </ul>	C-3097 400A	3097 400A
Gang Disconnect <ul style="list-style-type: none"> <li>SRP Switch Number and "K" annotated</li> <li>Continuous Current Rating in Amps "A" annotated</li> </ul>	C-1200K 600A	1200K 600A
Gang Disconnect with Loadbreak <ul style="list-style-type: none"> <li>SRP Switch Number and "KL" annotated</li> <li>Continuous Current Rating in Amps "A" annotated</li> </ul>	C-1200KL 600A	1200KL 600A

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REV. 1 CORRECTED ANNOTATIONS 3/30/94

DES. DR. RAL/ACE  
 APP. BEB  
 DATE 8/12/93



**OVERHEAD LOCATION DESIGN SYMBOLS**

## XVI. SWITCH DEVICE:

### RECLOSER:

⇒ A type of switch designed to electronically interrupt and reclose a circuit automatically when a line fault occurs. It will de-energize (open) and re-energize (close) the circuit a predetermined number of times to allow a temporary fault to clear. If the fault does not clear, the Recloser de-energizes the line and remains open until it is reset.

### SECTIONALIZER:

⇒ A type of switch designed to electronically work in conjunction with a reclosing device. It will isolate a faulted section of distribution line by opening (when the Recloser has the line de-energized) after a predetermined number of Recloser operations. This allows the Recloser to close and energize the unfaulted sections of line.

EQUIPMENT/DEVICE	PROPOSED	EXISTING
⇒ Recloser - 3 $\phi$ <ul style="list-style-type: none"> <li>• SRP Switch Number and "R" annotated</li> <li>• Continuous Current Rating in Amps "A" annotated</li> </ul>		2312R 600A 
⇒ Recloser - 3 $\phi$ with 600A Maintenance Switch <ul style="list-style-type: none"> <li>• SRP Switch Number and "R" annotated</li> <li>• Continuous Current Rating in Amps "A" annotated</li> </ul> NOTE: Maintenance Switch Numbers ordered left to right, relative to source of feed.	C-2312R 600A 	2312R 600A 
⇒ Sectionalizer - 3 $\phi$ with 600A Maintenance Switch <ul style="list-style-type: none"> <li>• SRP Switch Number and "S" annotated</li> <li>• Current Trip Setting in Amps "A" annotated</li> </ul> NOTE: Maintenance Switch Numbers ordered left to right, relative to source of feed.	C-1416S 200A 	1416S 200A 
⇒ Sectionalizer - 1 $\phi$ <ul style="list-style-type: none"> <li>• SRP Switch Number and "S" annotated</li> <li>• Current Trip Setting in Amps "A" annotated</li> </ul>	C-1416S 200A 	1416S 200A 

## XVII. LINE FUSE:

A device that interrupts the flow of electric current when the current exceeds the rating (amperage) that the fuse is rated for.

EQUIPMENT/DEVICE	PROPOSED	EXISTING
Line Fuse <ul style="list-style-type: none"> <li>• Fuse Rating in Amps "A" annotated</li> </ul>	C-80A 	80A 

## XVIII. PRIMARY METERING:

A device that measures and records customer power usage at a delivery voltage exceeding 600 Volts.

EQUIPMENT/DEVICE	PROPOSED	EXISTING
Primary Metering <ul style="list-style-type: none"> <li>• SRP Source Load Number annotated</li> <li>• Total Load (kVA or HP) annotated</li> </ul>	C- --- 1500kVA 	522 1500kVA 

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# OVERHEAD LOCATION DESIGN SYMBOLS



ELECTRIC DISTRIBUTION  
CONSTRUCTION STANDARDS

DES. RAL/ACF  
DR. BEB  
APP. 2/2003  
DATE 8/12/93

8112E218

REV. 1 REMOVED PROPOSED RECLOSER SYMBOL, REVISED TERMINOLOGY 5/15/94.

8512E218  
 INITIAL RELEASE (REPLACES PORTIONS OF PAGES 204 & 205 IN THE PREVIOUS EDITION OF THIS BOOK).  
 REV. 0  
 DES. DR. APP. DATE  
 SRP BEB 8/12/93

### XIX. CAPACITOR BANK:

An electrical device that increases the power factor by reducing the lagging voltage in each of the phases of the circuit.

**NOTE:** Each Capacitor Bank symbol will have the SRP Number, kVAR Rating and Control Type annotated. (Add Control Type as a suffix to the capacitor size).

EQUIPMENT/DEVICE	PROPOSED	EXISTING
Fixed	C-CB286 600F	CB286 600F
Voltage Controlled	C-CB192 600V	CB192 600V
Current Controlled	C-CB250 600C	CB250 600C
Time Controlled	C-CB225 600TM	CB225 600TM
Temperature Controlled	C-CB315 600TP	CB315 600TP
Power Factor Controlled	C-CB315 600PF	CB315 600PF

### XX. VOLTAGE REGULATOR:

A voltage sensitive device that is used to raise or lower (regulate) the voltage in a circuit.

EQUIPMENT/DEVICE	PROPOSED	EXISTING
Voltage Regulator	N/A	

### XXI. STREET LIGHT/DUSK-TO-DAWN LIGHT:

#### STREET LIGHT LUMINAIRE AND MAST ARM:

The Support (mast arm), Fixture (luminaire or head), Lamp and Photoelectric Relay (photocell) which is affixed to a Light Pole, Pole or Pole Structure to provide lighting.

#### LIGHT POLE:

A pole used solely to support a luminaire, mast arm and/or street light conductor.

#### DUSK-TO-DAWN LUMINAIRE:

The Fixture (luminaire or head), Lamp and Photoelectric Relay which is affixed to a Light Pole or Pole Structure to provide lighting.

**NOTE:** Each SRP Owned Street Light and Dusk-to-Dawn Light symbol will have the Compatible Unit and SRP Mast Arm Number annotated.

EQUIPMENT/DEVICE	PROPOSED	EXISTING
Street Light Luminaire and Mast Arm	C-LAH0630 6146	LAH0630 6146
Street Light Luminaire and Mast Arm on a Light Pole	C-LAH3130 6146	LAH3130 6146
Two (2) Street Light luminaires and Mast Arms on a Light Pole	C-LHC3130T 6146 6147	LHC3130T 6146 6147
Dusk-to-Dawn Luminaire and Mast Arm	C-LAH0630P 6147	LAH0630P 6147
Dusk-to-Dawn Light on a Light Pole	C-LAH3130P 6147	LAH3130P 6147
Two (2) Dusk-to-Dawn Lights on a Light Pole	C-LHC3130PT 6146 6147	LHC3130PT 6146 6147

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REV. 1 ADDED & REVISED STREET LIGHT & DUSK-TO-DAWN LIGHT SYMBOLS; MOVED SUBSTATION ITEMS TO P. 213 5/15/94.

**STREET LIGHT/DUSK-TO-DAWN LIGHT (cont'd):**

EQUIPMENT/DEVICE	PROPOSED	EXISTING
Future Street Light Luminaire and Mast Arm		N/A
Future Street Light Luminaire and Mast Arm on a Light Pole		N/A
Future Two (2) Street Light luminaires & Mast Arms on a Light Pole		N/A

**XXII. CUSTOMER OWNED STREET LIGHT POLE/STREET LIGHT:**

Street Light and Light Pole owned by an SRP Customer and maintained by SRP.

NOTE: Each symbol for a Customer Owned Street Light Luminaire (with mast arms) will have the Compatible Unit Number, Ownership and SRP Mast Arm Number annotated.

EQUIPMENT/DEVICE	PROPOSED	EXISTING
Street Light Luminaire and Mast Arm		
Street Light Luminaire and Mast Arm on a Light Pole		
Two (2) Street Light luminaires & Mast Arms on a Light Pole		
Customer Owned Light Pole: Lights & Mast Arms removed • Owner's Name annotated	N/A	
Future Street Light Luminaire and Mast Arm		N/A
Future Street Light Luminaire and Mast Arm on a Light Pole		N/A
Future Two (2) Street Light luminaires & Mast Arms on a Light Pole		N/A

**XXIII. CUSTOMER OWNED DUSK-TO-DAWN LIGHT:**

Dusk-to-Dawn Light owned by an SRP Customer and maintained by SRP.

NOTE: Each Customer Owned Dusk-to-Dawn Light or Luminaire Symbol will have the Compatible Unit and SRP Mast Arm Number annotated.

EQUIPMENT/DEVICE	PROPOSED	EXISTING
Dusk-to-Dawn Luminaire and Mast Arm		
Dusk-to-Dawn Light on a Light Pole		
Two (2) Dusk-to-Dawn Lights on a Light Pole		

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**XXIV. SUBSTATION:**

**SRP DISTRIBUTION SUBSTATION:**

An area where specific equipment is located and housed, which transforms (steps down) the voltage of a transmission circuit(s) to the voltage required by the distribution system.

**SRP TRANSMISSION SUBSTATION:**

The starting and ending point of 69kV transmission lines. These substations step transmission voltage up or down to 69kV, 115kV, 230kV and 500kV.

**SUBSTATION BAY:**

The section of a substation for specific equipment, which transforms the voltage, together with devices which control the feeders emanating from it.

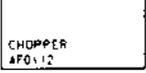
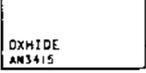
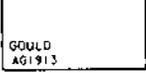
In a transmission substation, all bays may not transform voltage.

**SRP INDUSTRIAL SUBSTATION:**

An SRP Transmission Substation with distribution circuit(s) owned and operated by an SRP customer.

**CUSTOMER OWNED INDUSTRIAL SUBSTATION:**

A Customer Owned Distribution Substation that receives power from the SRP distribution or transmission systems.

EQUIPMENT/DEVICE	PROPOSED OR EXISTING
<p>SRP Distribution Substation and Bay</p> <ul style="list-style-type: none"> <li>Substation Name, 40-Acre Map Code &amp; Bay Number annotated</li> </ul> <p><b>NOTE:</b> All bays will be shown</p>	
<p>SRP Transmission Substation and Bay</p> <ul style="list-style-type: none"> <li>Substation Name, 40-Acre Map Code and Generating Voltage(s) annotated</li> </ul>	
<p>SRP Industrial Substation</p> <ul style="list-style-type: none"> <li>Substation Name and 40-Acre Map Code annotated</li> </ul>	
<p>Customer Owned Industrial Substation</p> <ul style="list-style-type: none"> <li>Substation Name and 40-Acre Map Code annotated</li> </ul>	<p>SRP DISTRIBUTION =&gt; CUSTOMER DISTRIBUTION</p>  <p>SRP TRANSMISSION =&gt; CUSTOMER DISTRIBUTION</p> 

**XXV. CO-GENERATION:**

A symbol that represents an SRP customer owned facility that produces electric power and is connected to the SRP distribution system.

EQUIPMENT/DEVICE	Symbol size: 1/4"	PROPOSED	EXISTING
<p>Customer Owned Generation</p> <ul style="list-style-type: none"> <li>Ownership, Customer kVA &amp; Generation Type annotated</li> </ul>		<p>The Phoenician 125kVA Diesel</p> 	<p>The Phoenician 125kVA Diesel</p> 

**XXVI. SALE LEASE BACK BOUNDARY LINE:**

A boundary enclosing electrical equipment that SRP is leasing from a private customer. Equipment in a Sale Lease Back Agreement is operated and maintained by SRP.

EQUIPMENT/DEVICE	PROPOSED OR EXISTING
<p>Sale Lease Back Boundary Line</p>	<p>////////////////////</p>

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**XXVII. MISCELLANEOUS:**

**MATCH LINE:**

A heavy line, annotated with alpha characters for identification, drawn across a Plan View, which indicates the Plan View continues at another location. A note on the Match Line is used to indicate where the other view is located (i.e. "CONT'D ON THIS SHEET" or "CONT'D ON SHEET 3").

**CROSS SECTION LINE:**

A symbol, annotated with alpha characters for identification, drawn on a Plan View, which indicates a Cross Section or Profile View exists. A note on the Cross Section Line is used to indicate where the other view is located.

**OTHER UTILITIES:**

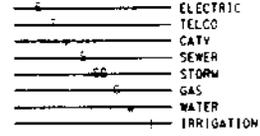
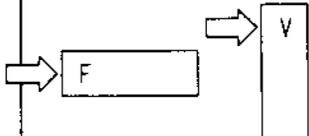
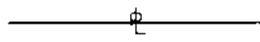
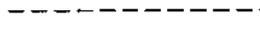
Any underground utility (gas, water, sewer, electric, etc.) which is not SRP owned.

**WORK POINT:**

A square, with a number inside, used to identify a specific location in a design drawing where construction work is called for.

**PHASING IDENTIFICATION RECTANGLE:**

A rectangle, either horizontal or vertical, used on a Design drawing to enclose the Conductor Phasing annotation. The annotation without the rectangle is used on the Overhead and Circuit views.

EQUIPMENT/DEVICE	PROPOSED	EXISTING
<p><b>Match Line</b></p> <p>→ Recommended Line Weight: 0.9 mm</p> <p>• Computer Line Weight 3</p> <p>• Location where drawing continues is annotated</p>		<p>N/A</p>
<p><b>Cross Section Lines</b></p> <p>→ Recommended Line Weight: 0.9 mm</p> <p>• Computer Line Weight 3</p> <p>• Indicate Detail and Direction of View</p>		<p>N/A</p>
<p><b>Other Utilities in Conflict (or shown for reference)</b></p> <p>→ Recommended Line Weight: 0.3 mm</p> <p>• Computer Line Weight 1</p>		<p>N/A</p>
<p><b>Work Point</b></p> <p>• Identification block is at minimum 1/4"</p> <p>• Indicate Point Number in box</p>		<p>N/A</p>
<p><b>Phasing Identification Rectangle</b></p> <p>• Minimum 3/4" x 1/4"</p> <p>• Indicate Phasing</p>		<p>N/A</p>
<p><b>Monument Line and Road Center Line</b></p> <p>→ Recommended Line Weight: 0.3 mm</p> <p>• Computer Line Weight 1</p>		<p>N/A</p>
<p><b>Property Line</b></p> <p>→ Recommended Line Weight: 0.3 mm</p> <p>• Computer Line Weight 1</p>		<p>N/A</p>
<p><b>Easement Line</b></p> <p>→ Recommended Line Weight: 0.3 mm</p> <p>• Computer Line Weight 1</p>		<p>N/A</p>
<p><b>North Arrow</b></p>		

REV. 1 ADDED DEFINITIONS (PREVIOUSLY ON PAGE 213), CORRECTED RECOMMENDED LINE WEIGHTS & REVISED SYMBOL. 06/15/94.

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DR. 06B  
APP. [Signature]  
DATE 8/17/93