WHITE CITY LIGHTING
DEVELOPER STANDARDS

March 2015
APPENDIX 3

WHITE CITY LIGHTING
DEVELOPER STANDARDS

November 28, 2005
Revised July 14, 2006
Revised April 2, 2013
Revised March 23, 2015

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PART ONE – GENERAL

1.01 PURPOSE

The purpose of this document is to provide standards for street lighting within the public right-of-ways of new developments in the White City Lighting District in Jackson County, Oregon.

1.02 DEFINITIONS

A. District – White City Lighting District

B. Developer – The entity contemplating undertaking development of vacant land, converting use(s), and/or redeveloping or improving existing uses.

C. White City – The unincorporated area of Jackson County shown in Attachment 5.04.

D. Street Classifications

1. General:

Public streets are classified as a function of curb-to-curb width, and right-of-way width as shown in details 5.03 A, B, C, and D attached.

2. Industrial/Commercial:

Industrial and/or commercial areas shall be treated as arterial applications, unless otherwise directed by Jurisdictional Authorities.

1.03 JURISDICTIONAL AUTHORITIES

A. The agency having jurisdiction in the White City Lighting District is Jackson County, administered through the Road Department.
B. Projects also must meet applicable requirements of the following:

1. Jackson County Planning
2. Jackson County Building Department
3. Jackson County Roads Department
4. ODOT (within Highway 62 or Highway 140 Right-Of-Way)
5. Pacific Power

1.04 THE REQUIREMENT

A. Within the White City Lighting District boundaries as shown in Attachment 5.04, the Developer shall provide lighting in accordance with these standards, and direction of the Authorities having Jurisdiction, and as follows:

1. Within the development, the Developer shall plan, design, furnish, and install underground power and lighting, complete.

2. On existing roads on which the development fronts, the Developer shall plan, design, furnish, and install underground power and lighting, complete. In cases where existing frontage would qualify for overhead power and lighting on Pacific Power poles, the Developer shall instead coordinate and pay all fees for installations by Pacific Power. The Developer shall verify with the District which type of lighting standard (aluminum or wood poles) will be required on existing streets.

3. The Developer shall obtain and pay all fees associated with the Jackson County Building Department for electrical permits and with Pacific Power for electrical connections to serve lighting systems.

4. For the work above, bonding requirements will be determined on a project-by-project basis.

B. Except as otherwise provided in this document, the District will assume ownership and payment for ongoing electrical energy and maintenance costs for new street lights that meet District standards.

C. Classification of Streets: Classification is dictated by conditions of approval from Jackson County Planning. Classifications are based on the designed width and right-of-way and comparison with the widths as shown in Attachments 5.03 A, B, C, or D.

D. The Developer shall coordinate and obtain easements as required.
E. Coordination

1. The Developer shall coordinate with Jurisdictional Authorities, as required.

2. Perform all coordination required in 1.04A(2) and (3) above.

3. The Developer is responsible to coordinate with the District for the application of the District’s established pole numbering system for identification purposes.

1.05 MODIFICATIONS

This document is a general standard, subject to adjustments by Jurisdictional Authorities to suit the unique requirements of the project at hand. The process involves formal submittals by the Developer, and the Developer should expect adjustments in scope throughout the process.

1.06 SUBMITTALS

A. Street Classifications: As part of the Developer’s early project exploration, the Developer is encouraged to submit proposed street classifications for review.

B. Layouts: Upon approval of the developer’s street classification, the developer shall prepare a complete layout based on the criteria provided elsewhere in this document and submit it for approval by the District. Layouts shall be revised and resubmitted until acceptable, and shall include the following at a minimum:

1. Drawings shall be stamped by a licensed professional civil or electrical engineer, registered in the State of Oregon.

2. Plan view project depictions, scaled, at minimum 1-inch to 50-foot resolution.

3. Show existing and proposed features:

   a. Roadways, intersections.
   b. Curb, gutter, sidewalk.
   c. Overhead utilities.
   d. Underground utilities.
   e. Existing lighting.
   f. Location of nearby buildings, their uses.
   g. Trees, landscaping.

4. Show existing and proposed easements, rights-of-way.
5. Show existing and/or proposed zoning.

6. Show proposed lighting, power distribution, and points of connection with the electric utility.

C. Products: Submit complete information demonstrating that the materials and equipment are in accordance with the specifications found elsewhere in this document. Submittals shall include the following:

1. **Lighting:**
   
   Bill of materials and complete catalog information for fixtures, lamps, photocells, poles, and mast arms.

2. **Raceways:**

   Catalog cuts for conduits, fittings, pullboxes and junction boxes, and other materials.

3. **Conductors:**

   Catalog information describing conductors, fuse holders, fuses, and splices.

4. **Deviations:**

   Any deviation from the specifications included herein shall be clearly indicated and explained.

D. Schedule of Submittals

1. **Street Classifications**

   Submit street classifications prior to detailed design.

2. **Layouts:**

   Developer shall provide lighting layouts with Civil Improvement Plans for the subdivision for District approval.
3. **Products:**

Product information shall be submitted with layouts.

E. **Review**

Review comments will be provided in a timely manner (approximately 21 days). Review of submittal information by the Authority Having Jurisdiction does not relieve the Developer of responsibility for meeting the requirements set forth in this document.
PART TWO – REQUIREMENTS

2.01 OWNERSHIP AND OPERATION/MAINTENANCE

Except as otherwise provided in this document, the White City Lighting District will assume ownership and payment of ongoing operation and maintenance costs for new street lights within public street rights-of-way upon acceptance of the installation by the District.

2.02 DESIGN STANDARDS

A. General Procedure For Fixture Spacing

1. Choose street light arrangements for intersections, in accordance withAttachment 5.02A (one light per intersection).

2. Once intersection arrangements are determined, lights can then be located at recommended intervals between intersections. Where practical, the recommended spacing from the detail provided should not be exceeded.

3. The spacing distance shown on Attachment 5.02A will provide adequate lighting coverage. The spacing can be modified, slightly, as necessary to allow lights to be positioned at property lines. Pole heights shall be uniform throughout the District, for the same street classification.

4. Due to span distances and mounting height variations, the arrangements and guidelines are not intended for use where roadway lighting is to be installed on existing or proposed power distribution poles.

5. Proposed deviations from these guidelines shall require evaluation on a case-by-case basis.

B. Cul-De-Sacs

1. Cul-de-sacs shall have a minimum of one (1) street light, regardless of length.

2. Cul-de-sac street lighting layout shall comply with Attachment 5.02A.
C. Curved Streets

Street lights should be positioned on the inside of roadway curves wherever possible.

D. Existing Street Frontage

1. Developments having 200 feet or more of frontage on an existing street shall have at least one (1) street light for the first 200 feet, plus one (1) street light for each 160 feet of additional frontage.

2. Developments with less than 200 feet of frontage on an existing street shall require a deposit of an agreed amount in an escrow account with the District for future street light installation or similar agreement as determined by the District. However, all applicable underground infrastructure should be provided as part of the project.

E. Illuminance Requirements

1. The street light spacing recommended in the details on Attachment 5.02A is based on illuminance requirements by IES RP 8 for local residential street classifications.

F. Shielding

1. Street lights shall be designed or shielded to prevent light from being emitted above the fixture.

G. Trees

1. The location of street lights shall be coordinated with tree planting plans where required or utilized.

H. Layout and Arrangement Details

1. See layout and arrangement details on Attachment 5.02A.

I. Inspections

1. Inspecting Authority
   a. Jackson County Building Department.
   b. Jackson County Roads Department.
2. Inspections Required

   a. Completed trench after bedding is placed and conduit laid. Inspected by Building Department.

   b. Pole foundation with rebar, conduit, grounding, and anchor bolts in place, ready to pour concrete. Inspected by Roads Department.

   c. Trench cross section after sand cover is placed and backfill/compaction in progress. Inspected by Roads Department.


   e. Surface restoration. Inspected by Roads Department.

   f. Pole foundation concrete poured (concrete mix certifications required). Inspected by Roads Department.

   g. Boxes in place and conductors installed. Inspected by Building Department.

   h. Poles and fixtures installed and wired. Inspected by Building Department.

   i. Final inspection. Lights energized, poles identified, etc. Inspected by Roads Department and Building Department.

3. Notify Jackson County Roads Department or Building Department 48 hours in advance of each required inspection.
PART THREE – MATERIALS

3.01 MATERIALS

A. General

1. Unless otherwise indicated, provide all first quality new materials, free from any defects, and suitable for the intended use. Provide materials approved by UL wherever standards have been established by that organization.

2. Furnish and install all incidental items required by good practice to provide a complete system.

3. Where two or more units of the same class of material or equipment are required, provide products of the same manufacturer.

4. Unless otherwise indicated, provide materials and equipment which are products of manufacturers regularly engaged in the production of such materials and equipment. Provide the manufacturer’s latest design that conforms to these specifications.

B. Poles

1. Type – Poles shall be aluminum anchor base with hand hole and nut covers.

2. Height – As shown on details.

3. Finish – 100 grit satin finish.

4. Mast Arm – Aluminum tapered, length as shown on details.

5. Manufacturer – Valmont Cat #270845805T4, 30 feet with 6-foot mast arm; #320845806T4, 35 feet with 6- or 12-foot mast arm; or approved equal.

C. Fixtures

1. Where fixtures are to be installed on poles owned by Pacific Power, the fixture model numbers shall be from Pacific Power’s list of approved fixtures.

2. Where fixtures are not installed on poles owned by Pacific Power:
a. Type – Hiway Luminaire “cobra head” type. Die cast aluminum, photocell receptacle and 1,800-watt photocell.

b. Wattage – 53-watt LED local residential; 101-watt LED arterial/collector.

c. Voltage – 240V 60 Hz.

d. Diffuser – flat, tempered glass.

e. Manufacturer – CREE Cat # BXSPBHT2MEA57KULSVR, BXSPCHT2MEE57KULSVR, or approved equal.

D. Conduit

1. Underground and embedded conduits shall be Schedule 40 rigid polyvinyl chloride (PVC) and shall be UL listed for concrete encasement, direct burial underground, and exposed use.

2. Rigid PVC conduit, including couplings, elbows, and fittings shall conform to the requirements of the latest edition of NEMA TC2 and NEMA TC3. PVC conduit shall be rated 90 degrees C.

3. For street lighting, the minimum size PVC conduit shall be 2 inches.

4. For utility point of connection, conduits shall be as required by the utility. Refer to Drawing 5.01E.

E. Conductors

1. Fixture Wiring – Use minimum #10 stranded copper THWN or XHHW.

2. Feeders – Use minimum #6 stranded aluminum XHHW or HMW polyethylene duplex.

F. Boxes, Junction

1. Concrete boxes shall be high density reinforced concrete with end and side knockouts and non-settling shoulders. Boxes shall have an etched polyethylene face anchored in the concrete. Polyethylene face shall be UV inhibited. Minimum size 10” x 17” x 12”. Provide traffic rated boxes and covers when subject to vehicular traffic. Traffic rated boxes and covers shall be suitable for H-20 traffic loading.
2. Fiberglass Reinforced Polymer (FRP) – FRP boxes shall be UL listed; shall have full access covers; shall be constructed of fiberglass reinforced polymer. Covers shall be Fiberlyte or cast iron. Boxes shall be provided with knockouts for side entry of conduit.

3. Manufacturer – Concrete and FRP boxes shall be manufactured by Christy or approved equal.

G. Fuses

1. Fuses shall be provided in the base of each pole or pullbox where taps are made for individual fixtures (see Detail 5.01F). Fuses shall be installed in all line conductors.

2. Fuse holders shall be the bussman “Tron” type inline fuse holders sized for the load of the fixture with crimp-type terminals sized for the conductors used for the line and load sides. Provide insulating boots for all terminals.

H. Warning Tape

1. Provide heavy-gauge, yellow plastic tape of 3-inch minimum width for use in trenches containing electric circuits. Utilize tape made of material resistant to corrosive soil. Use tape with printed warning that an electric circuit is located below the tape. Manufacturers and types: ITT Blackburn Type YT or RT; Griffolyn Company Terra-Tape; or equal.
PART 4 – CONSTRUCTION

4.01 INSTALLATION

A. Conduits

1. Conduit system installation shall meet or exceed the requirements of the NEC. Avoid field-made bends and offsets where possible, but where necessary make with an approved heater type bender. Changes in direction of runs shall be made with symmetrical bends. Do not install crushed or deformed raceways. Avoid traps in raceways where possible. Take care to prevent the lodgement of concrete, dirt, or trash in raceways. Raceways shall be entirely free of obstructions or shall be replaced. All conduit shall be reamed, deburred, and cleaned for proper introduction of wires and cables. Immediately after installation, plug or cap all conduit ends with watertight and dusttight conduit seals until the time for pulling wires.

2. Install bushings on the ends of all conduits. Provide suitable expansion fittings for raceways crossing expansion joints in structures or concrete slabs, or provide other suitable means to compensate for expansion and contraction.

3. Empty conduits shall be identified at both ends and shall be capped and provided with a copper pull wire, No. 14 AWG minimum, or 1/8-inch-minimum non-nylon cord, unless noted otherwise.

4. For PVC conduit, use factory-made elbows and fittings where applicable. Use approved heating methods for forming all other bends. Provide expansion joints as required by the NEC and as recommended by the manufacturer. PVC conduit joints shall be solvent-welded with solvent recommended by the conduit manufacturer.

5. Concealed, embedded, and buried conduits shall emerge at right angles and shall have none of the curved portion of a bend exposed.

6. Where piping on other utility systems are encountered or being installed along a raceway route, maintain a 6-inch-minimum vertical separation between raceways and other systems at crossings, or greater if required by the other utilities. Maintain a 12-inch minimum separation between raceways and other systems in parallel runs. Do not place raceways over valves or couplings in other piping systems which may restrict access.
7. Separate parallel runs of four or more conduits in a single trench with pre-formed, nonmetallic spacers designed for the purpose. Install spacers at 6 feet or at intervals not greater than that specified in the NEC for support of the type of conduit used. Support conduits installed in fill areas suitably to prevent accidental bending until backfilling is complete.

8. Conduit shall be run in compliance with Details 5.01B, 5.01G, and 5.02B.

B. Trenching and Backfill (Refer to Standard Detail 5.01B)

1. Unless otherwise noted, conduit shall have a minimum cover as shown. Trench bottoms shall be free of rocks and other hard objects.

2. Bedding material shall contain no rocks larger than 3/4 inch in diameter and shall be free from roots and debris.

3. Conduits shall be placed parallel in the bottom of the trench. Where conduits are required to cross, they shall be separated by a minimum of 3 inches of bedding material. Where more than one level of conduit are placed in the same trench, they shall be separated by a minimum of 3 inches of bedding material.

4. Conduit trenches in areas to be paved or improved shall be installed and backfilled before the area is paved or improved.

5. All existing improvements damaged as a result of this work shall be reconstructed by the Contractor at no cost to the District.

C. Splices

Feeder splices shall be made in pullboxes. If made in pullboxes below grade, splices shall be approved compression sleeve with shrink on waterproof sleeve. Splices in fixture wiring in poles may be made with properly sized preinsulated spring connectors such as 3M Scotchloks. Wire nuts are not allowed below grade.

D. Boxes

1. At street crossings and junction points, provide concrete or FRP pullboxes.
2. Install pullboxes behind sidewalks, where possible.
3. Provide extensions as required.
4. Do not use FRP boxes where subject to vehicular traffic.
E. Grounding

1. Ground rods shall be copper clad, not less than 3/4 inch in diameter, 10 feet long, driven into the earth such that at least 8 feet is in contact with the soil, as required by NEC Article 250-52. Excess length may be cut off.

2. Make ground connections with approved grounding connectors. Grounding connectors shall be suitable for the intended use and shall be UL listed for direct-burial.

F. Pacific Power Coordination

It shall be the Developer’s responsibility to coordinate with Pacific Power for conduits and conductors to be stubbed into transformers and/or secondary splice boxes. Only personnel authorized by Pacific Power will be allowed to enter Pacific Power facilities. (See Details 5.01E and 5.01H.)
NOTES:

1. SET CENTER OF POLE 3' BEHIND FACE OF CURB IN PLANTER STRIPS, OR 4'-6" BEHIND FACE OF CURB IF SIDEWALK ADJACENT TO CURB.

2. SET JUNCTION BOX BEHIND CURB IF IN A PLANTER STRIP AREA, OR IN SIDEWALK ADJACENT TO POLE BASE, IF SIDEWALK IS ADJACENT TO CURB.

3. IF CONCRETE IS Poured TO FORMS, COMPACT BACKFILL TO 100% T-99D.

RESIDENTIAL STREET LIGHT FOUNDATION

SCALE: NONE    DWG. NO. 5.01-A1
STUB-UP CONDUIT: 1" RIGID, PVC NUMBER & LOCATION AS REQUIRED.
ANCHOR BOLTS—1" DIA. x 3’ LONG w/4”LONG HOOK, (4) REQ’D. (GALVANIZED.)
TOP 3.5” TO BE 30” SQ.

REBAR CAGE TO BE (6) 24” DIA.
ROLLED HOOPS SPACED 12” APART. (6) VERTICAL RODS
SPACED EVENLY WITHIN THE
HOOPS. ALL REBAR TO BE #4.
TACK WELD TOP AND BOTTOM
5’ HOOPS ONLY. DO NOT TACK
WELD TO ANCHOR BOLTS.

3300 PSI P.C.C.
CONCRETE TO BE VIBRATED.
SLUMP: 3” TO 5”

UNDISTURBED SOIL

NOTES:
1. SET CENTER OF POLE 3’ BEHIND FACE OF CURB IN
PLANTER STRIPS, OR 4’—6” BEHIND FACE OF CURB
IF SIDEWALK ADJACENT TO CURB.

2. SET JUNCTION BOX BEHIND CURB IN PLANTER
STRIPS, OR IN SIDEWALK ADJACENT TO POLE BASE,
IF SIDEWALK ADJACENT TO CURB.

3. IF CONCRETE IS POURED TO FORMS, COMPACT
BACKFILL TO 100% T—99D.

ARTERIAL/COLLECTOR
STREET LIGHT FOUNDATION

SCALE: NONE

DWG. NO. 5.01-A2
1"-0" CRUSHED ROCK
FIRMLY COMPACTED TO 95%,
TOP 2' AT 100% T-99D.

6" SAND OVER CONDUIT
3" SAND BEDDING

TRENCH DETAIL
UNDER PAVED AREAS

WITHIN R/W (NON- PAVED
STREETS, ALLEYS, & OVER
3' BEHIND CURBS)

OUTSIDE OF
TRAFFIC AREAS

TRENCH DETAIL
OUTSIDE PAVED AREAS

PLACE YELLOW POLYETHYLENE FILM, 3" WIDE & 3" BELOW BOT. OF AC,
IMPRINTED WITH "CAUTION CAUTION CAUTION BURIED ELECTRIC LINE"

CLSM BACKFILL WHEN MAX. AMBIENT TEMPERATURE IS
LESS THAN 40°F) 6"-8" SLUMP. ALLOW TO SET FOR
72 HRS. (MIN.) PRIOR TO
EXPOSING TO TRAFFIC OR
PLACEMENT OF HOT MIX
ASPHALTIC CONCRETE.

NOTES:

1. COLD MIX AC MAY BE USED AS TEMPORARY PATCH ONLY.

2. ALL STEEL TRAFFIC PLATES IN TRAVELED AREAS
MUST BE "RAMPED" WITH JUMP PLATE LOCKS
TO ALLOW SMOOTHER TRANSITION.
   a) MINIMUM 12” LAP OF STEEL PLATES
      ONTO EXISTING PAVEMENT.
   b) MINIMUM 3/4” STEEL PLATE THICKNESS.

ELECTRICAL CONDUIT
TRENCH DETAILS FOR
R/W INSTALLATION

SCALE: NONE  DWG. NO. 5.01 B
NOTES:

1. LIGHTING CIRCUITS SHALL BE SPLICED ACCORDING TO SPECS AND FUSE DETAIL ON THIS SHEET.

2. NUMBER OF CONDUITS SHALL BE ACCORDING TO LIGHTING LAYOUTS.

3. PLACE DUCT SEAL IN ENDS OF CONDUITS.

4. PROVIDE A JUNCTION BOX AT EACH LIGHT.

5. WHERE CONDUIT TERMINATES AT A UTILITY POINT OF CONNECTION, CONDUIT SHALL COMPLY WITH REQUIREMENTS SHOWN ON DRAWING 5.01–E.
NOTES:

1. TAPERED ALUMINUM STANDARD TO WITHSTAND 90 M.P.H. CONSTANT WIND LOADING (1.3 GUST FACTOR—GUST TO 130 M.P.H.). ANCHOR BASE MOUNTING, SLOTTED ANCHOR BOLT CIRCLE SHALL BE 10" TO 12". 2" TUBULAR SUPPORT ARM WITH 6' OR 12' REACH AS REQUIRED BY STREET WIDTH. INCLUDE ANCHOR BOLT COVERS. POLE SHALL BE AMERICAN ELECTRIC RTA SERIES, VALMONT OR EQUAL.

2. 30' LOCAL RESIDENTIAL
   35' ARTERIAL/COLLECTOR

3. REFER TO 5.01–A1 OR A2 FOR FOUNDATION DETAILS.
CUSTOMER IS RESPONSIBLE FOR:

- Providing and installing service junction box or pedestal, conduit, fusing and customer-owned wire. The service junction box or pedestal must be strong enough for incidental traffic areas.
- Coordinating with Pacific Power on service junction box or pedestal location and all digging within the vicinity of Pacific Power facilities.
- Ensuring that construction of new or remodeled installations conform to applicable provisions of the NEC and state rules, as well as city and county codes.

PACIFIC POWER IS RESPONSIBLE FOR:

- Making the connection within Pacific Power facilities (transformer or secondary box).
NOTES:

1. AFTER PROPERLY CRIMPING, LINE & LOAD CONDUCTORS, INSTALL MASTIC FILLED SHRINK ON SLEEVE @ EACH CONNECTION TO COMPLETE WATERPROOF INSTALLATION.

2. USE THIS FUSE ARRANGEMENT AT UNMETERED SERVICE LOCATIONS AND AT INDIVIDUAL LIGHT LOCATIONS:
   FUSE SIZE AT SERVICE 15A
   FUSE SIZE AT LIGHT 3A

3. FUSE HOLDERS WITH TWO #6 LINE & 1 #10 LOAD TERMINALS ARE MANUFACTURED FOR USE WHERE FEED THROUGH APPLICATIONS ARE REQUIRED.
NOTES:

1. ALL PIPES SHALL BE SCHEDULE 40, PVC WITH CAPPED ENDS.

2. PAINT CAPS THE APPROPRIATE ANSI COLOR AND PAINT SERVICE TYPE (i.e. "GAS") WITHIN 12" OF PIPE ENDS.

3. REFER TO DWG NO. 5.01B FOR DRIVEWAY CROSSINGS.
SPlice by Pacific Power

Transformer, Secondary Box, or Service Riser

Service Lateral
Refer to Requirements
On Drawing 5.01-E

Service Fuse

Ground Rod
(In Service Junction Box Only)

Service Junction Box

Street Light Feeder:
2"C-2#6 (Stranded Aluminum XHHW or HMW Polyethylene Duplex) W/#10 CU GRnd.

Junction Box at Pole Base

Street Light

Fixture Tap: 1"C-2#10 (Stranded Copper XHHW) W/#10 CU GRnd.

To Next Light

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Street Light
Interconnection Schematic

Scale: None

Dwg. No. 5.01-H
NOTES:

1. SEE SHEET 2 FOR FOUNDATION AND JUNCTION BOX LAYOUT.

2. ARRANGEMENTS & SPACING ARE FOR STREETS SHOWN ON DWG 5.03A, (URBAN LOCAL) 503B, (COLLECTOR) 503D (ARTERIAL).
NOTES:

1. FIXTURE WIRING #10 STRANDED CU XHHW.
   FEEDER (MAX 8 LIGHTS PER CIRCUIT) #6 STRANDED ALUM XHHW OR HMW POLYETHYLENE DUPLEX.

2. FEEDER CONDUIT—2” SCHD 40 PVC
   FIXTURE TAP CONDUIT—1” SCHD 40 PVC.

3. INSTALL #10 COPPER GROUND WIRE
   CONTINUOUS THROUGHOUT THE SYSTEM,
   ATTACH TO EACH POLE ALONG W/UFER GROUND IN FOUNDATION.
URBAN LOW-VOLUME (0-750 ADT) LOCAL STREET A
PARKING ALLOWED ON BOTH SIDES. NO LANE STRIPING ONLY ON RESIDENTIAL AND NEIGHBORHOOD COMMERCIAL AREAS

URBAN MEDIUM-VOLUME LOCAL STREET B

NOTE:
1. LIGHTING ARRANGEMENTS & SPACING APPROPRIATE FOR THE STREETS SHOWN ON THIS SHEET CAN BE FOUND ON DWG. 5.02A.
NOTES:

1. LIGHTING ON THESE STREETS WILL BE BY PACIFIC POWER UNLESS OTHERWISE DIRECTED BY JURISDICTIONAL AUTHORITY.

2. IF DIRECTED TO PROVIDE LIGHTING ON ALUMINUM POLES WITH UNDERGROUND FEEDERS, SEE DRAWING 5.02A FOR LIGHTING ARRANGEMENTS & SPACING.
NOTE:
1. LIGHTING ON THESE STREETS WILL BE BY PACIFIC POWER UNLESS OTHERWISE DIRECTED BY JURISDICTIONAL AUTHORITY.
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