

BUREAU OF STREET LIGHTING DIRECTIVE NO. 422 (REVISED)

REINFORCEMENT OF STREET LIGHTING SYSTEMS

This Directive is in response to the escalating copper wire and power theft the Bureau continues to experience. It specifies standards for burying pullboxes and the placement of street lighting fuse kits. Effective immediately, all street lighting design plans shall incorporate the reinforcement of both underground and aboveground circuitry whenever an electrolier is installed or relocated. All new electroliers shall be specified without handholes; pullboxes shall be buried; and fuse kits shall be located inside the buried pullbox.

The following specifications shall be utilized for all street lighting plans:

1. PULLBOXES

All new and relocated electroliers to be installed in the parkway, regardless of size (Type 2 or Type 3), shall be buried as shown in Detail "X". The following note shall be prominently located under the Material List on the street lighting plan:

ALL ELECTROLIER OR JUNCTION PULLBOXES SHALL BE BURIED AS PER DETAIL "X" ADJACENT TO POLE FOUNDATION OPPOSITE OF ONCOMING TRAFFIC. ANY DEVIATION FROM THIS LOCATION SHALL BE APPROVED BY THE ENGINEER AND LOCATION MARKED IN RED ON THE PLAN BY CONTRACTOR/BCA WITH THE FOLLOWING SYMBOL:



BURIED PULLBOX PER DETAIL X.

TOP SURFACE SHALL BE CONSTRUCTED TO MATCH EXISTING SURFACE AND SHALL BE STAMPED WITH THE FOLLOWING SYMBOL INDICATING THE LOCATION OF THE BURIED PULLBOX:  (STAMP SHALL BE 3" W X 3" H X 1/4" DEEP IMPRESSION)

Plans shall specify the following Delta Note where applicable:

All new Traffic-Rated pullboxes to be installed in the street shall comply with Caltrans 3-1/2 T and shall not be buried. The steel lid shall be tack-welded shut by the BSL Field Operations, or in the case where a contractor is performing the work, by the contractor's certified welder.

Welding shall be performed after the Bureau of Contract Administration (BCA) inspection accepts the circuit.

EXCEPTION

The following pullboxes shall not be buried and shall be installed with a locking lid that requires a special key to open (i.e. Armorcast). Pullbox installation shall comply to the latest adopted versions of the "Greenbook", "Blue Book", and the BSL "Design Standards and Guidelines":

New Service pullboxes

Pullboxes located at Bridge Structures

Pullboxes with Relays

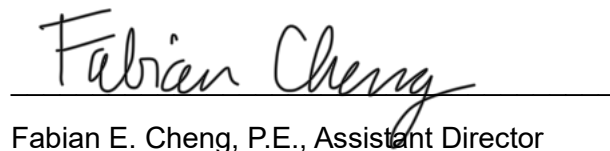
2. STREET LIGHTING POLES

All new street lighting poles shall be specified and ordered without a hand hole.

3. POLE RELOCATIONS

Electroliers that are relocated due to civil improvements or other reason shall have their pullboxes buried as per this Directive. Fuse kits shall be placed inside the buried pullbox as per this Directive and hand holes tack welded as applicable.

The requirements of this Directive will apply to all street lighting plans as indicated. Any deviations or exceptions shall be discussed with the Division Manager and Senior Engineering Manager and will require the approval of the Director or Assistant Director.

A handwritten signature in cursive script that reads "Fabian Cheng". The signature is written in black ink and is positioned above a horizontal line.

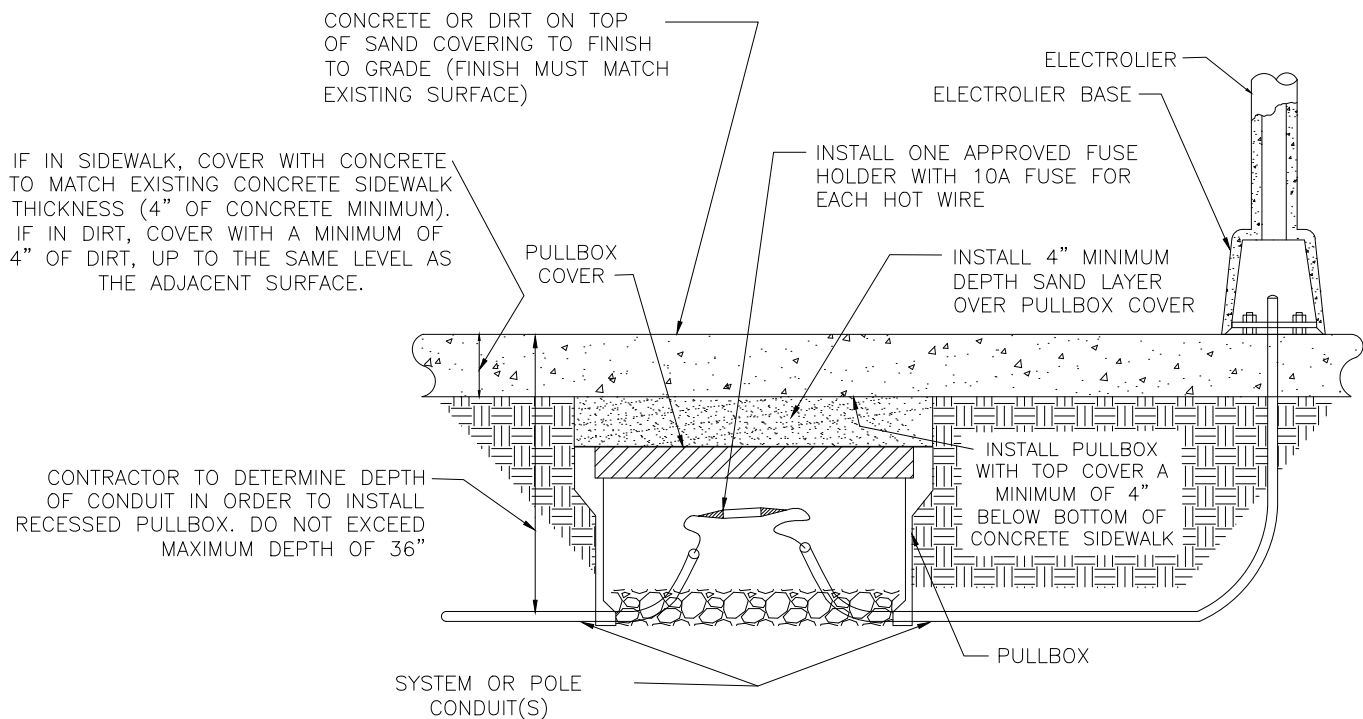
Fabian E. Cheng, P.E., Assistant Director

Bureau of Street Lighting

Revised Date: February 18, 2026

Attachment: Buried Pullbox Detail

Distribution: Engineering Staff and FOD Supervisors



NOTE: DO NOT INSTALL CONCRETE CAP PRIOR TO INSPECTION OF PULLBOX AND ITS CONTENTS

DETAIL "X"

NTS