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## ORIGINATION FORM

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Proposed Revisions to a Standard Plans Index  
(Please provide all information — Incomplete forms will be returned)

**Contact Information:**

Date: August 1, 2021  
Originator: Richard Stepp  
Phone: (850) 414-4313  
Email: richard.stepp@dot.state.fl.us

**Standard Plans:**

Index Number: 715-001  
Sheet Number (s): 1 OF 3  
Index Title: Conventional Lighting

**Summary of the changes:**

Sheet 1: Changed fuse holder slug (blank) requirement from solid copper to manufacturer's suggested in three drawing locations.

**Commentary / Background:**

Industry advised that solid copper slug requirement is impractical and uncommon. Specification 992 is being revised to require the fuse holder manufacturer's suggested slug of copper equivalent (manufacturer generally responsible for performance of their product). This Standards change reflects the Specifications change.

**Other Affected Offices / Documents:** (Provide name of person contacted)

- | Yes                                 | No                       |                             |
|-------------------------------------|--------------------------|-----------------------------|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Other Standard Plans –      |
| <input type="checkbox"/>            | <input type="checkbox"/> | FDOT Design Manual –        |
| <input type="checkbox"/>            | <input type="checkbox"/> | Basis of Estimates Manual – |
| <input type="checkbox"/>            | <input type="checkbox"/> | Standard Specifications –   |
| <input type="checkbox"/>            | <input type="checkbox"/> | Approved Product List –     |
| <input type="checkbox"/>            | <input type="checkbox"/> | Construction –              |
| <input type="checkbox"/>            | <input type="checkbox"/> | Maintenance –               |

**Origination Package Includes:**

(Email or hand deliver package to Rick Jenkins)

- | Yes                                 | N/A                                 |  |
|-------------------------------------|-------------------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Redline Mark-ups                         |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Proposed Standard Plan Instruction (SPI) |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Revised SPI                              |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Other Support Documents                  |

**Implementation:**

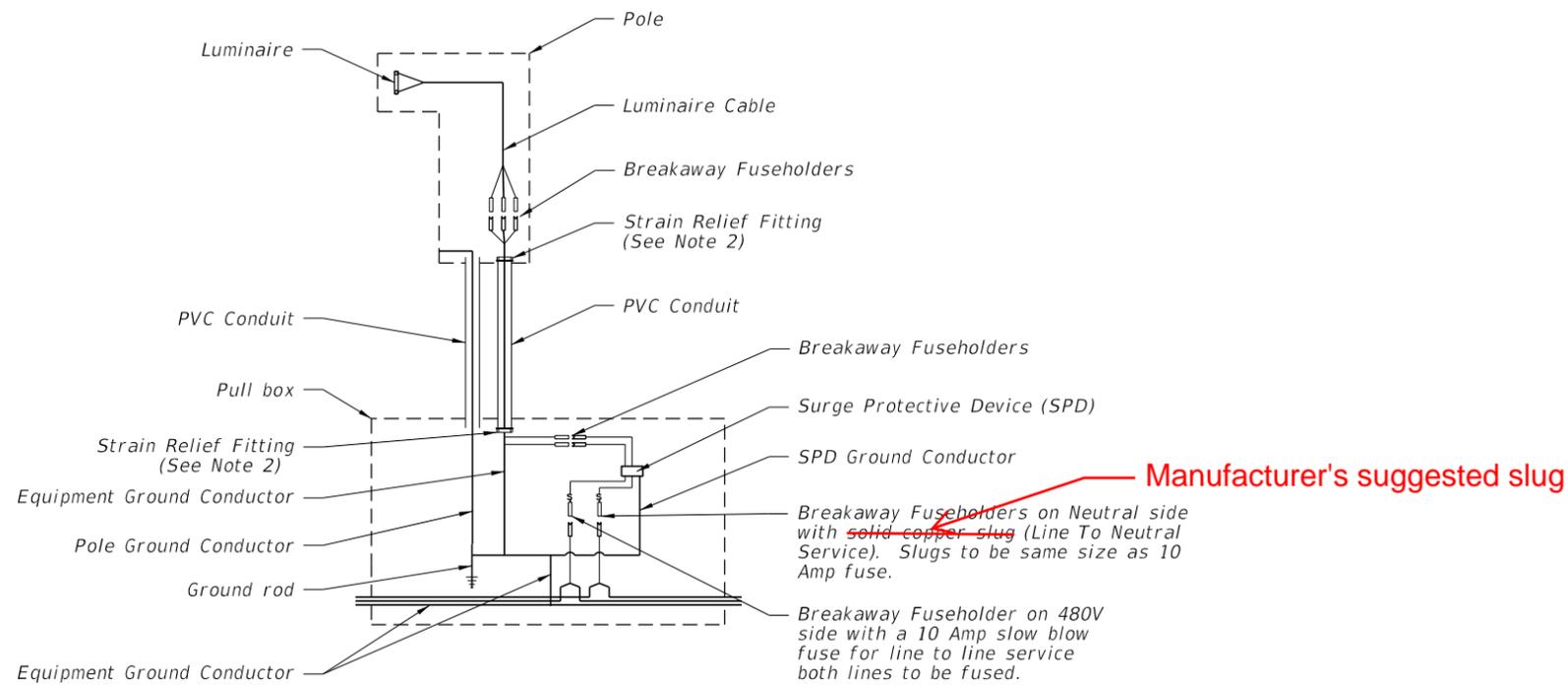
- |                                     |                                  |
|-------------------------------------|----------------------------------|
| <input type="checkbox"/>            | Design Bulletin (Interim)        |
| <input type="checkbox"/>            | DCE Memo                         |
| <input type="checkbox"/>            | Program Mgmt. Bulletin           |
| <input checked="" type="checkbox"/> | FY-Standard Plans (Next Release) |

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Contact the Roadway Design Office for assistance in completing this form

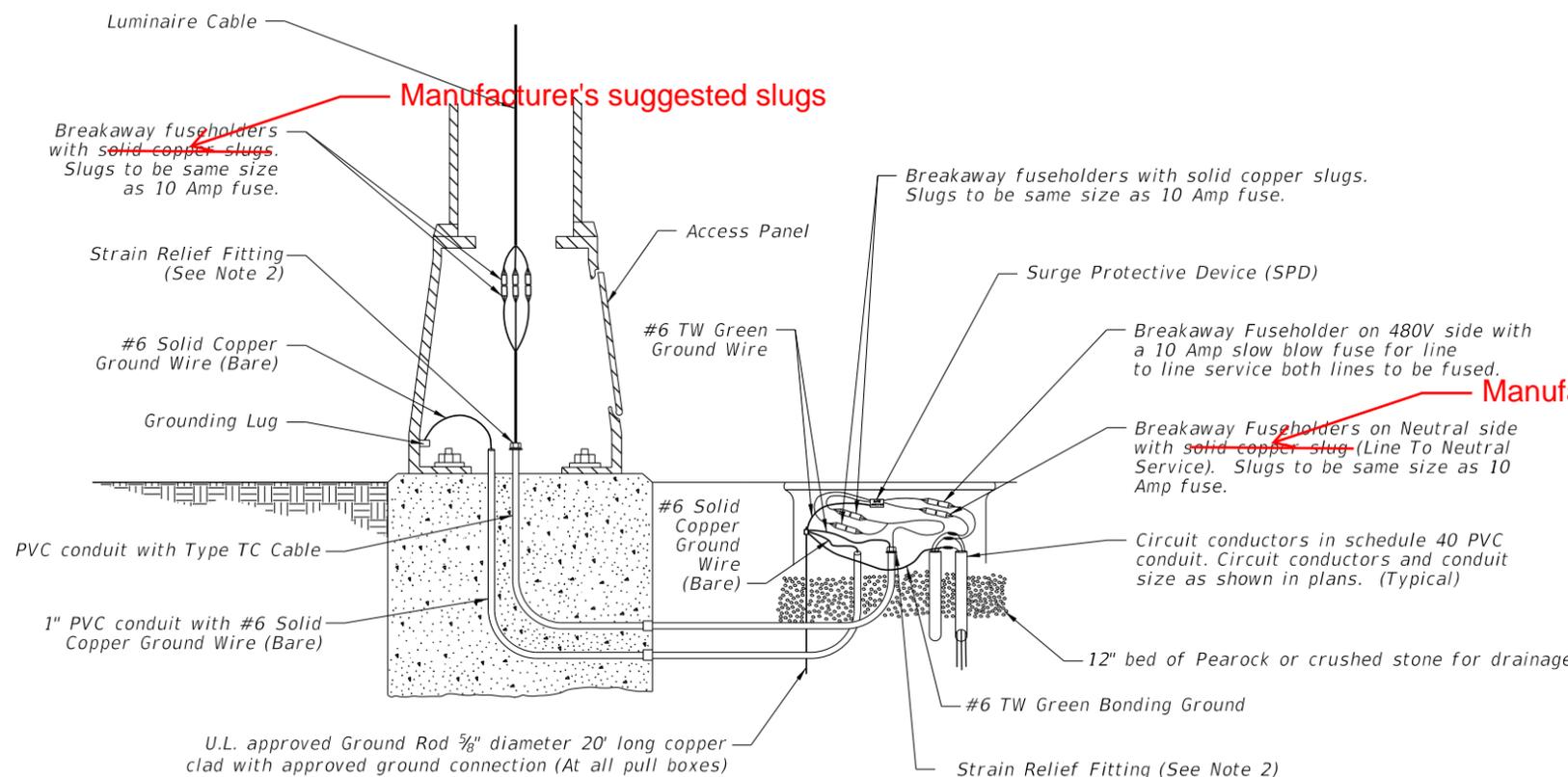
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Email to: Rick Jenkins [rick.jenkins@dot.state.fl.us](mailto:rick.jenkins@dot.state.fl.us) and Darren Martin [darren.martin@dot.state.fl.us](mailto:darren.martin@dot.state.fl.us)



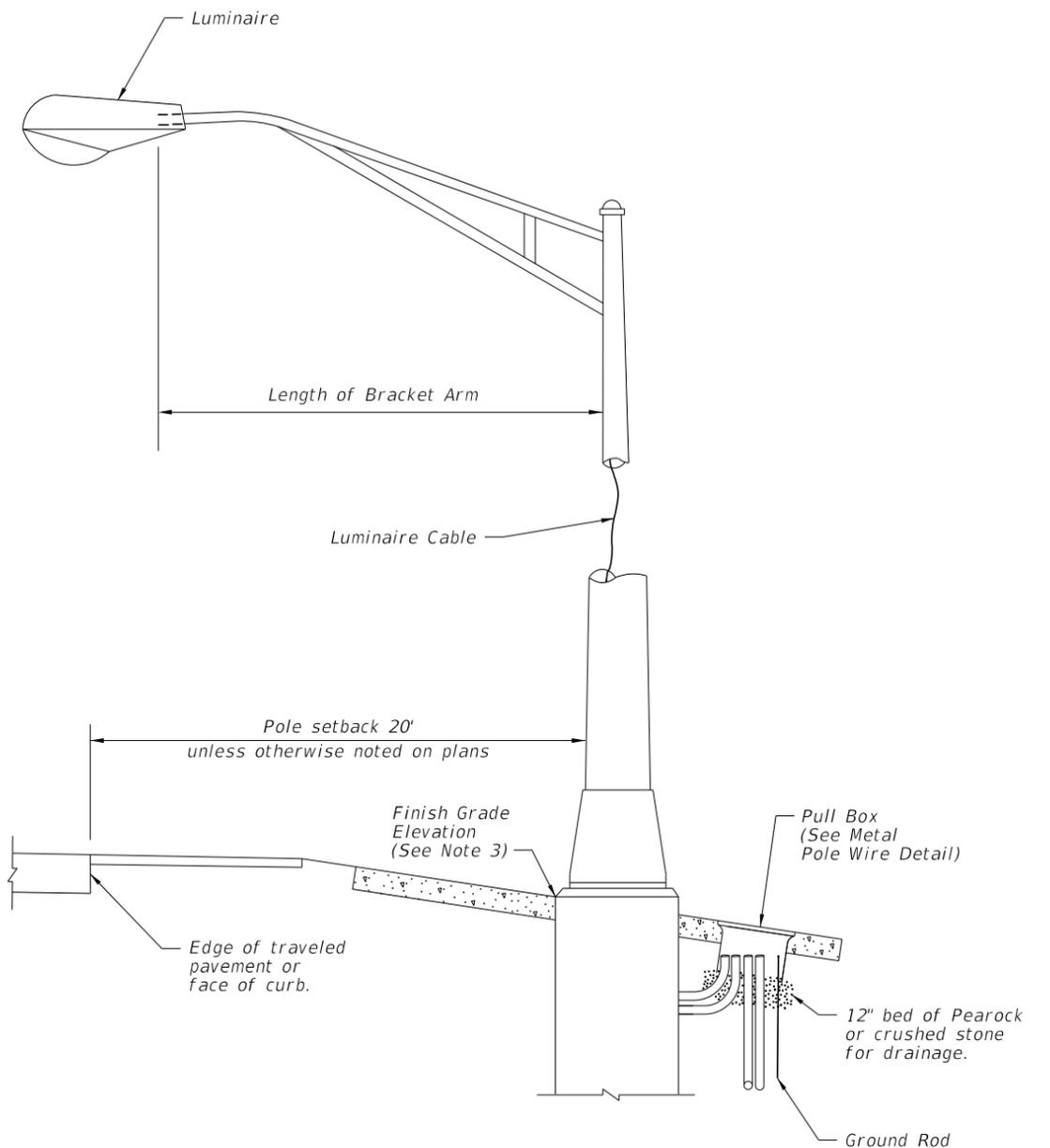
WIRING DIAGRAM

Manufacturer's suggested slug



METAL POLE WIRING DETAIL

U.L. approved Ground Rod 5/8" diameter 20' long copper clad with approved ground connection (At all pull boxes)



METAL POLE DETAIL

Manufacturer's suggested slug

NOTES:

1. Concrete Barrier and Bridge Mounted Poles: Place wiring system following conduit layouts and requirements of Index 715-002. Follow additional requirements of Specification 992. For wiring and devices shown inside of pull boxes on this sheet, place inside of embedded junction boxes instead. Place the vertical breakaway fuseholders inside the pole, at the handhole location.
2. Provide enough cable length to allow for removal of fuseholders from the transformer base, pole base, or pullbox for maintenance. Remove slack from the luminaire cable to provide tension on the fuseholders in breakaway pole designs. Pull excess cable into pull box tighten strain relief fittings or cable clamps at both ends of conduit to prevent cable from slipping.
3. Align the top, outside edge of the concrete foundation with the finish grade elevation on the side nearest the traffic lane. Relative to the finish grade elevation, this foundation alignment has a vertical tolerance of plus 2 inches to minus 0 inches.

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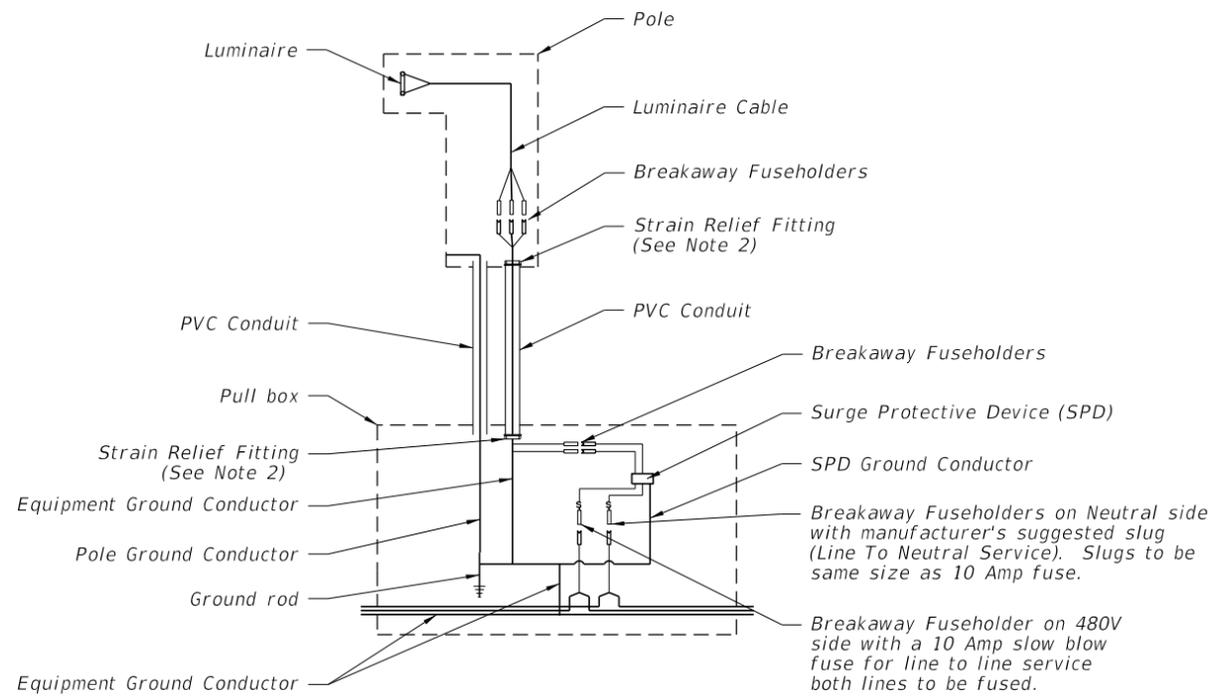
LAST REVISION	DESCRIPTION:
11/01/20	11/01/21

**FY 2021-22  
STANDARD PLANS**

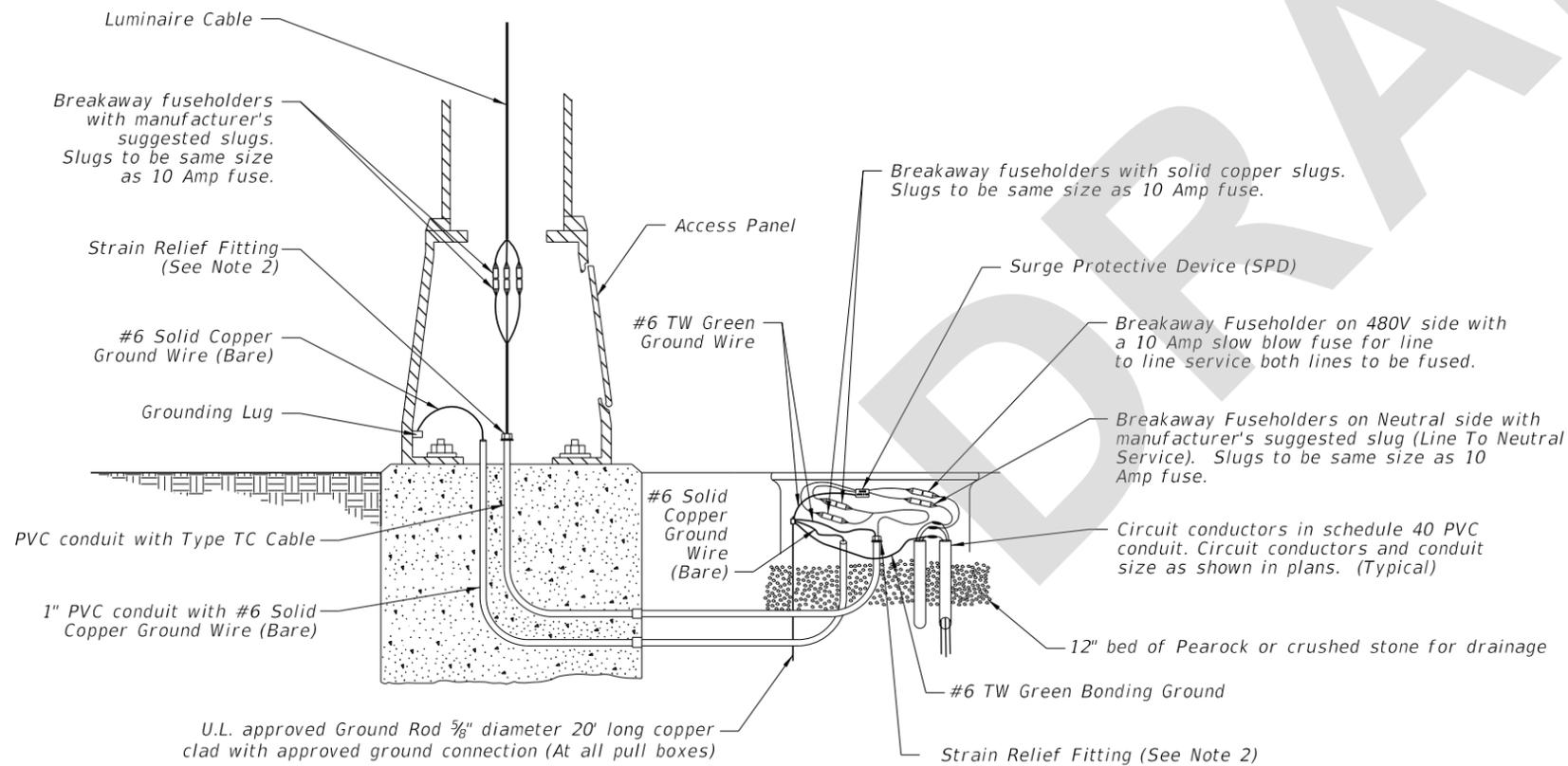
CONVENTIONAL LIGHTING

WIRING DETAILS

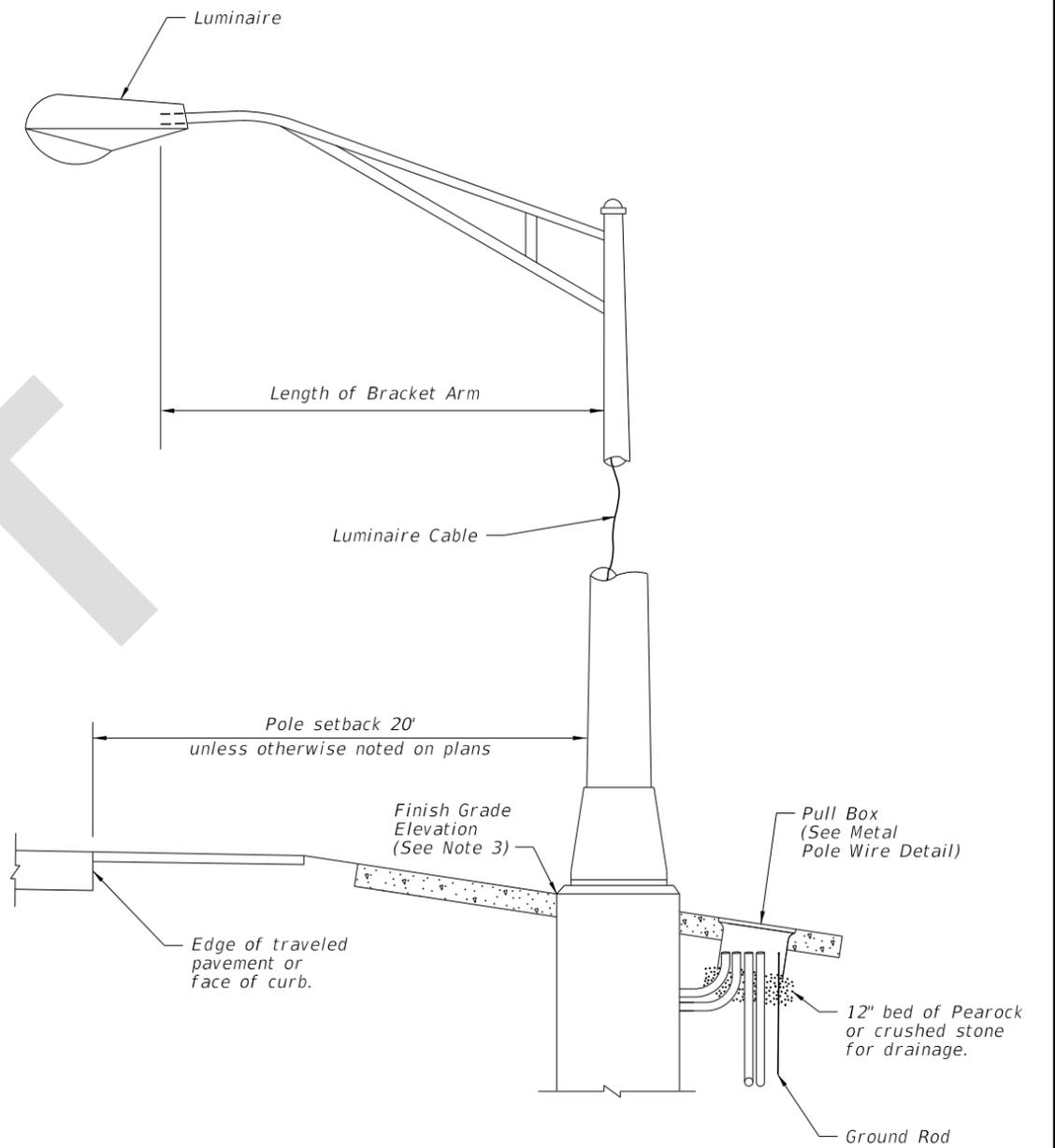
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WIRING DIAGRAM



METAL POLE WIRING DETAIL



METAL POLE DETAIL

NOTES:

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3. Align the top, outside edge of the concrete foundation with the finish grade elevation on the side nearest the traffic lane. Relative to the finish grade elevation, this foundation alignment has a vertical tolerance of plus 2 inches to minus 0 inches.

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WIRING DETAILS

LAST REVISION 11/01/21	DESCRIPTION:
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FY 2022-23  
STANDARD PLANS

CONVENTIONAL LIGHTING

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