

Origination Form
Proposed Revisions to a Standard Plans Index

Originator:	Stepp, Richard	Index Number:	715-001
Date:	6/30/2026	Sheet Number(s):	1
E-mail:	richard.stepp@dot.state.fl.us	Index Title:	Conventional Lighting

Summary of the changes:

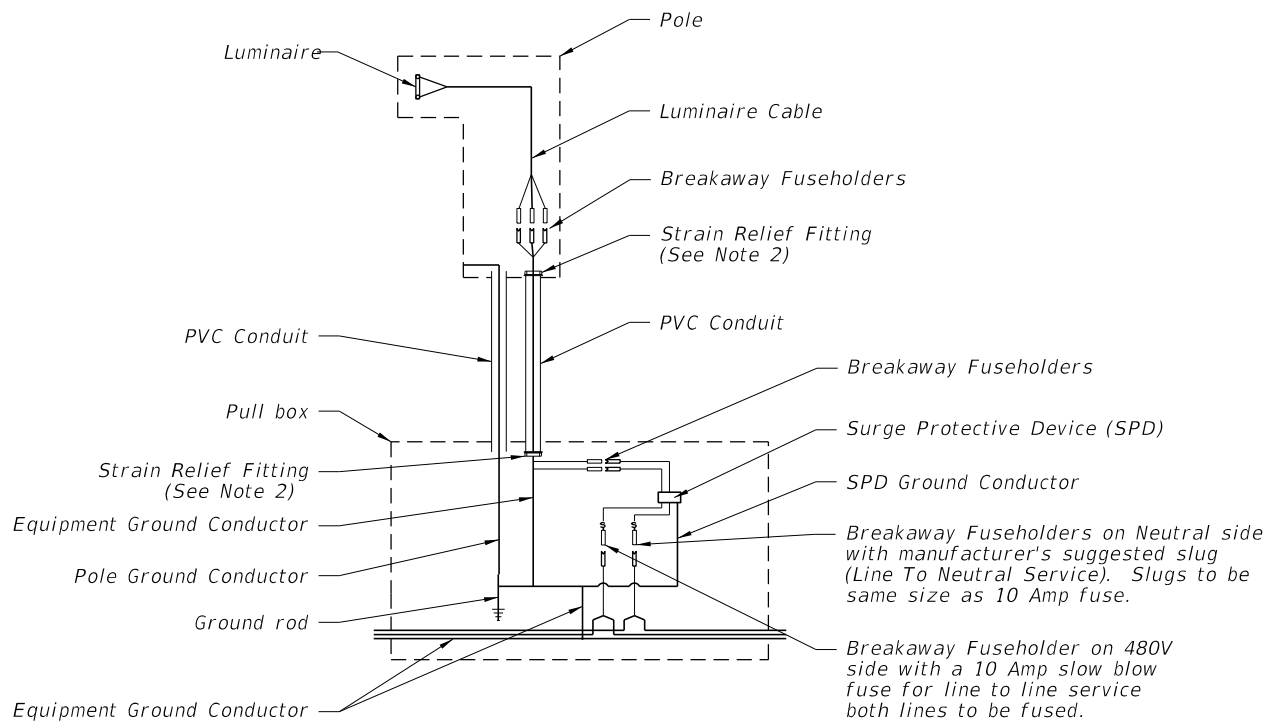
Sheet 1: Added "(Transformer Base Shown, Others Similar)" to the Pole Base callouts in the elevation details; Added "(If Applicable)" to the Access Door callout.

Commentary/Background:

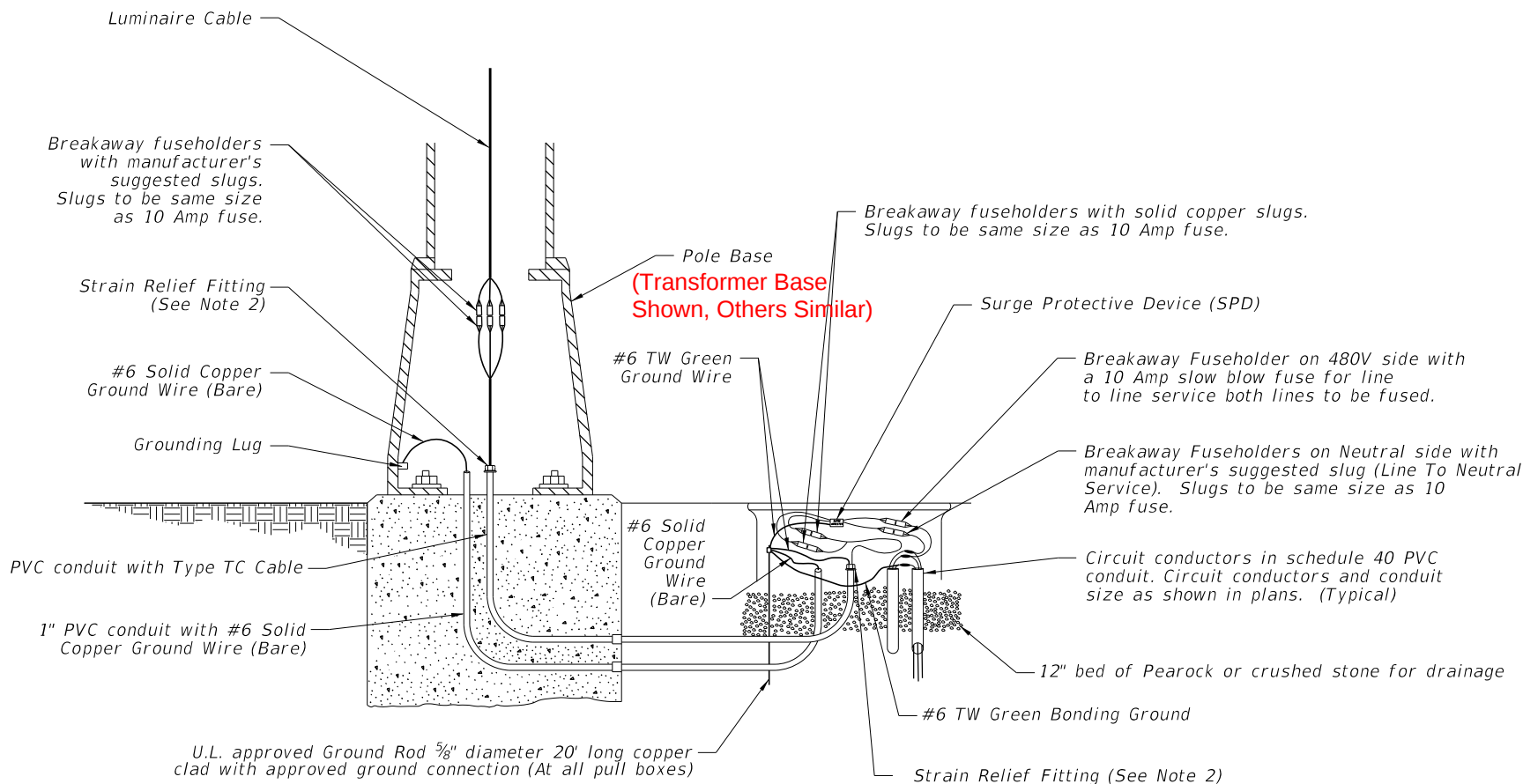
Revisions were made to support additional light pole base options as shown on the APL. For example, in addition to the transformer base option shown in the Index, the breakaway bolt option on the APL may be used instead. Having more light pole base options helps to alleviate supply chain restrictions, which may help improve construction schedules. Additionally, this revision helps to streamline the process by providing options that are pre-approved for BABA. This revision is being made in conjunction with others in Index 715-002, 715-003, and Standard Specifications 992.

Other Affected Documents/Offices	Person Contacted	Affected (Yes/No)
Other Standard Plans	Richard Stepp	Yes
FDOT Design Manual		No
Standard Specifications	Daniel Strickland	Yes
Basis of Estimates Manual		No
Approved Product List	Missy Hollis	Yes
Construction Office	Ryan Buck	Yes
Maintenance Office		No

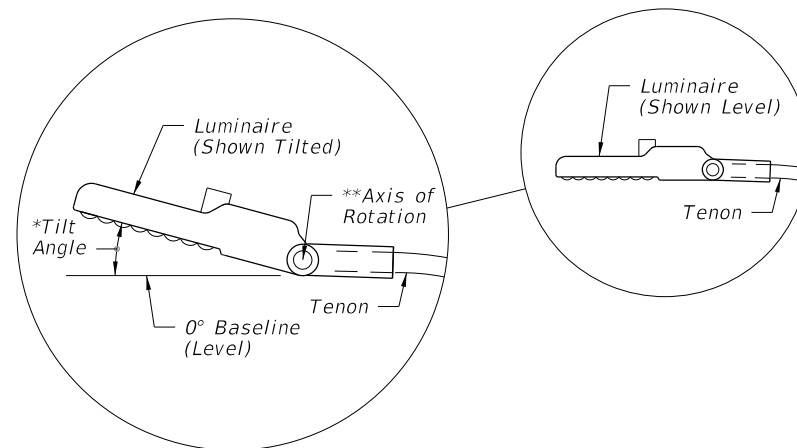
Implementation



WIRING DIAGRAM

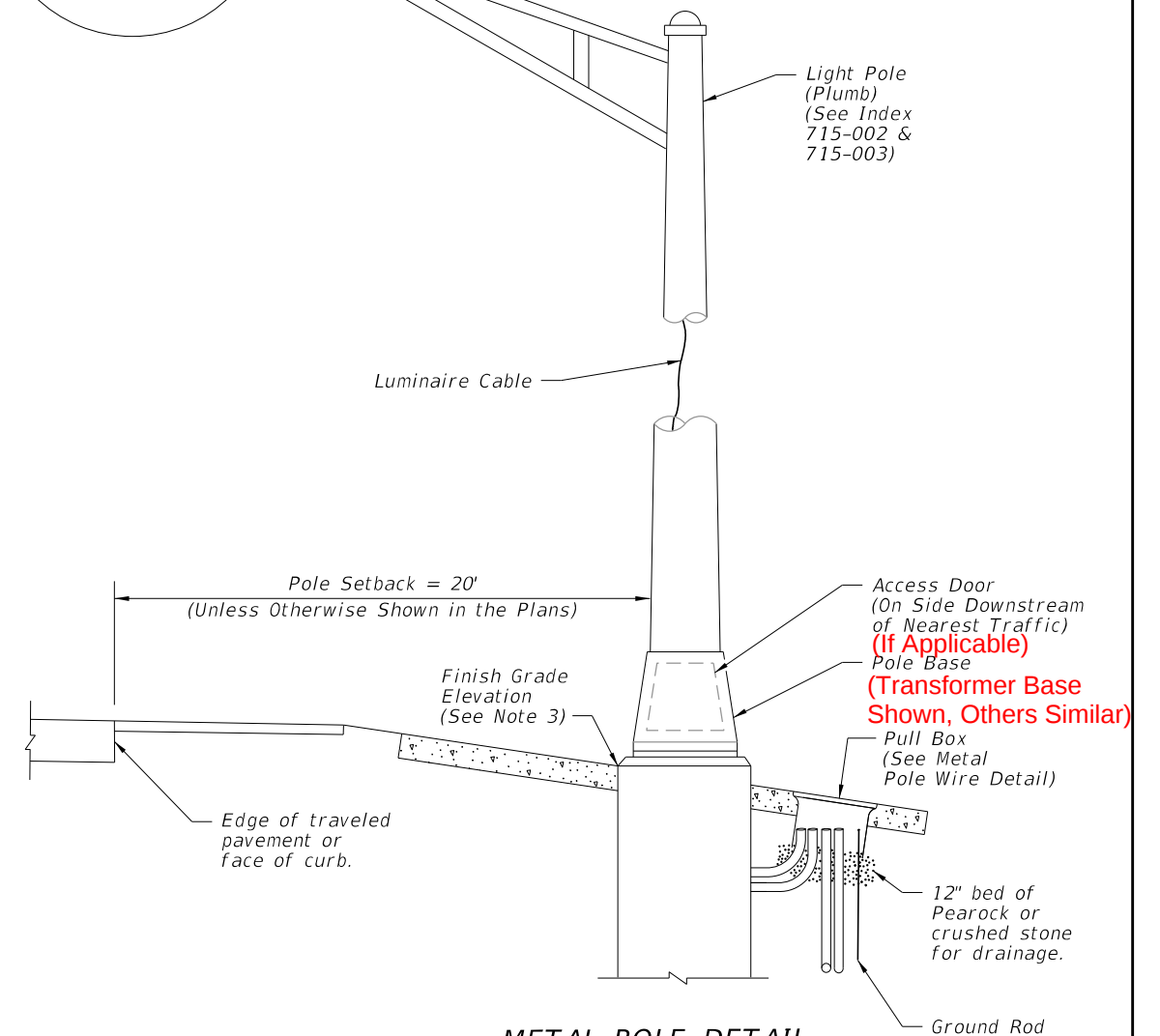


METAL POLE WIRING DETAIL



LUMINAIRE TILT DETAIL
(Side View)

*Tilt angle is 0° (level) unless otherwise shown in the Plans
 **Axis of rotation is level and perpendicular to the tenon.
 The location shown is approximate and may be either a hinge or a tenon connection adjustment.



METAL POLE DETAIL

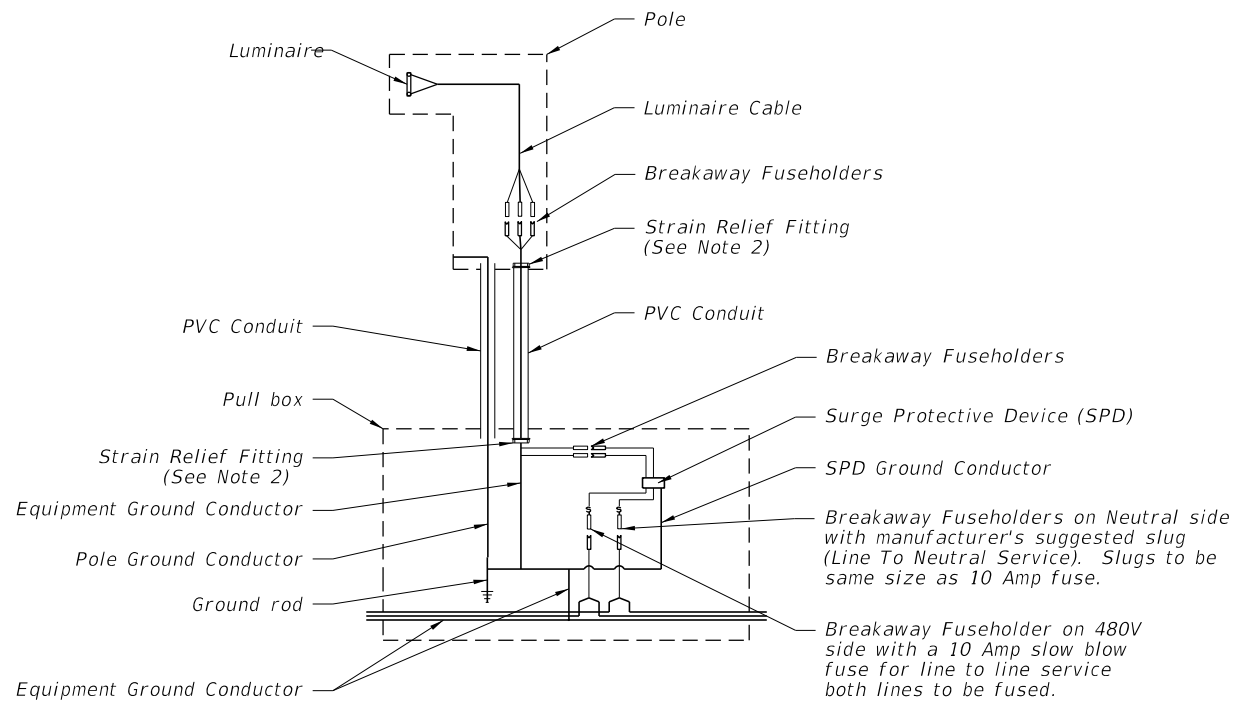
NOTES:

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.

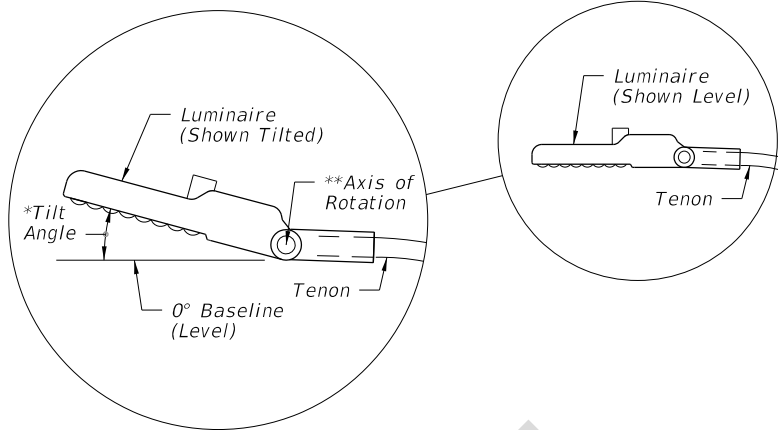
WIRING AND
INSTALLATION DETAILS

2027-28

LAST REVISION 11/01/23	DESCRIPTION: 11/01/26	 FY 2026-27 STANDARD PLANS	CONVENTIONAL LIGHTING	INDEX 715-001	SHEET 1 of 3
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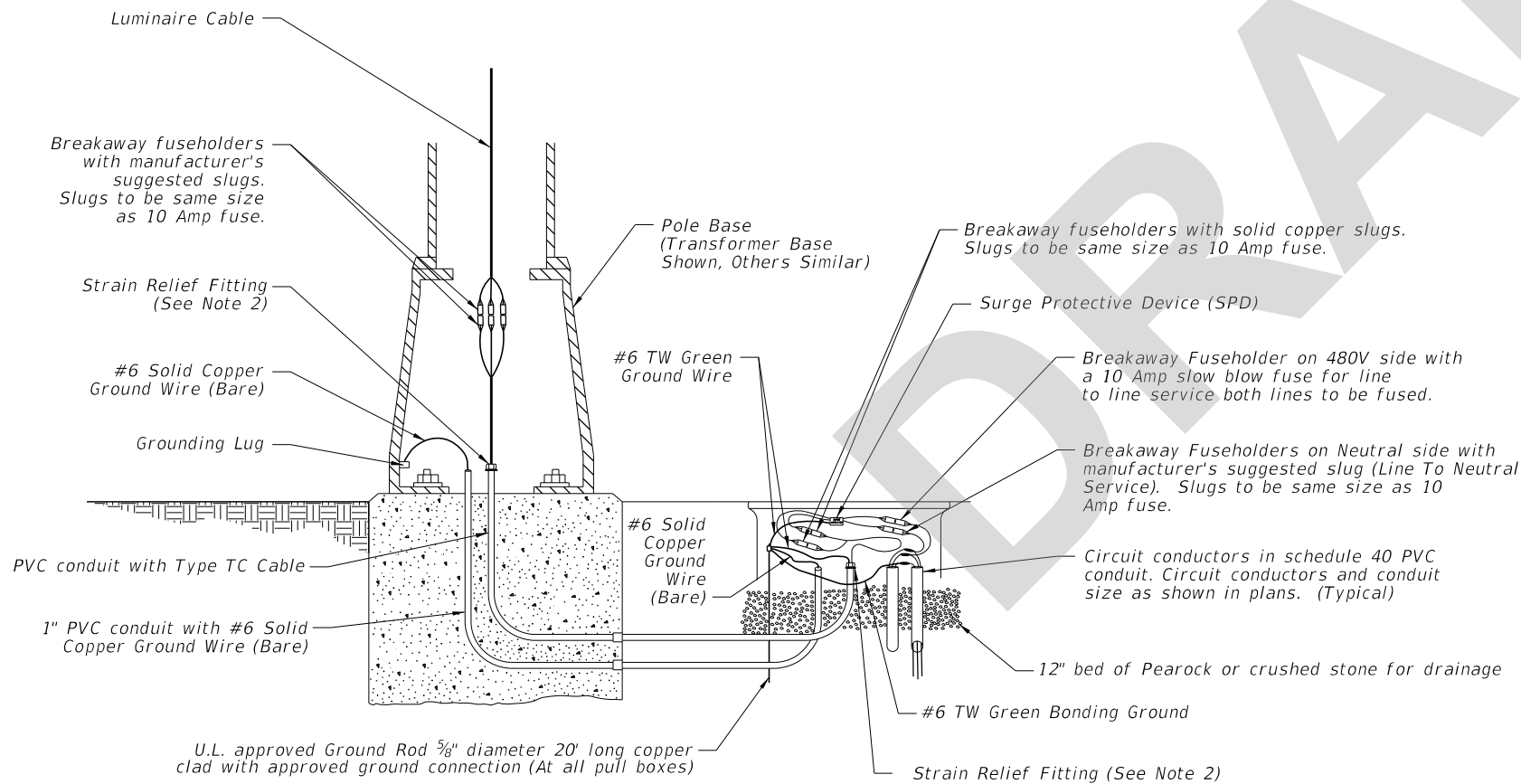


WIRING DIAGRAM

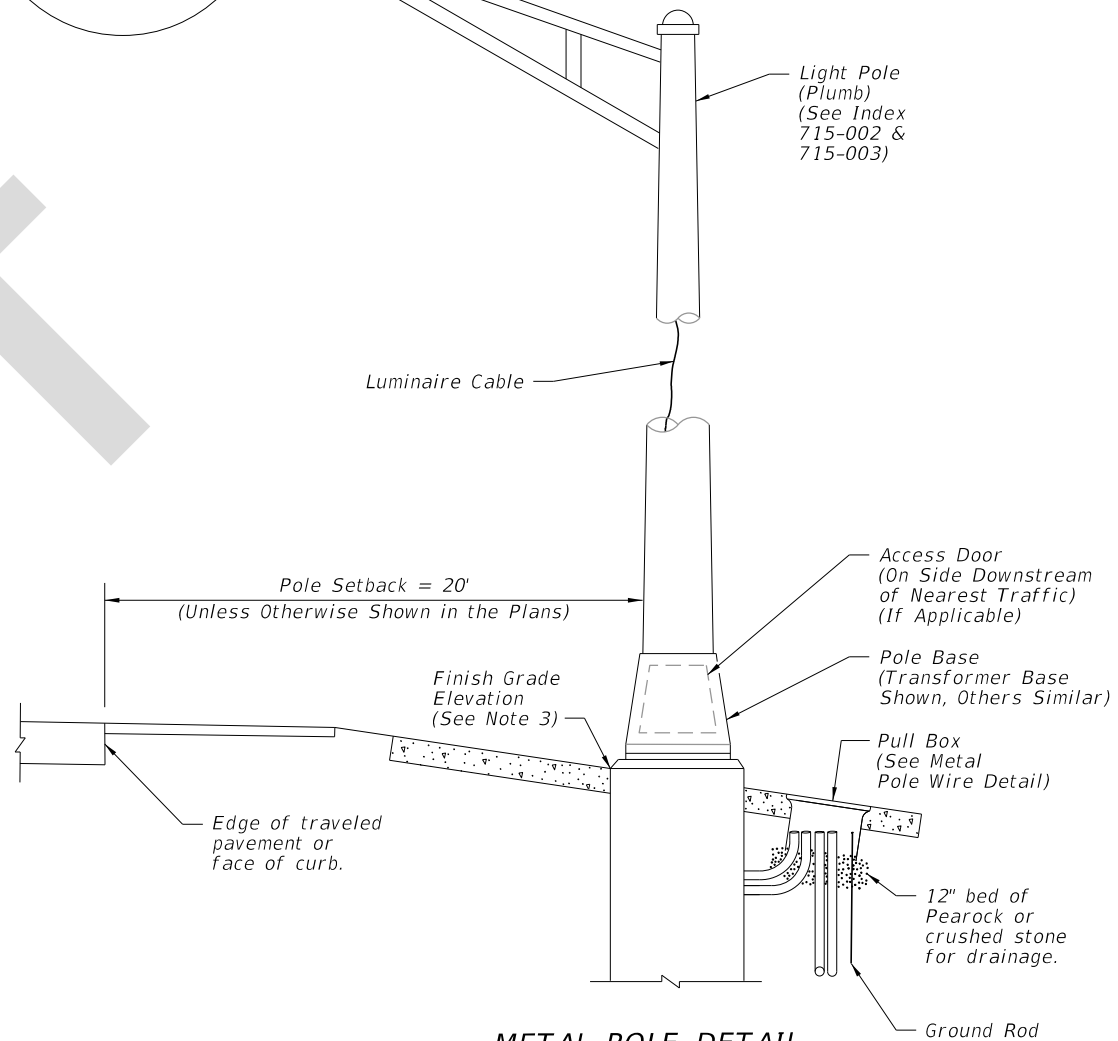


LUMINAIRE TILT DETAIL
(Side View)

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METAL POLE WIRING DETAIL



METAL POLE DETAIL

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WIRING AND
INSTALLATION DETAILS

LAST REVISION 11/01/26	REVISION	DESCRIPTION:	 FY 2027-28 STANDARD PLANS	CONVENTIONAL LIGHTING	INDEX 715-001	SHEET 1 of 3
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