

WIRING DIAGRAM

Provide cable length to remove fuseholders from transformer base, pole base or pullbox for maintenance. Remove slack from the luminaire cable to provide tension on the fuseholders if the pole breaks away. Pull excess cable into pullbox tighten strain relief fittings or cable clamps at both ends of conduit to prevent cable from slipping.

Breakaway fuseholders with solid copper slugs. Slugs to be same size as 10 Amp FNQ fuse.

Breakaway fuseholder on 480V side with a 10 Amp FNQ slow blow fuse for line to line service both lines to be fused.

Breakaway fuseholders on Neutral side with solid copper slug (Line To Neutral Service). Slugs to be same size as 10 Amp FNQ fuse.

1 #6 AWG insulated (TW Green) stranded CU bond wire connecting all poles, and insulated (THW or THWN) stranded copper circuit conductors in schedule 40 PVC conduit. Circuit conductors and conduit size as shown in plans. (Typical)

12" bed of Pearrock or crushed stone for drainage.

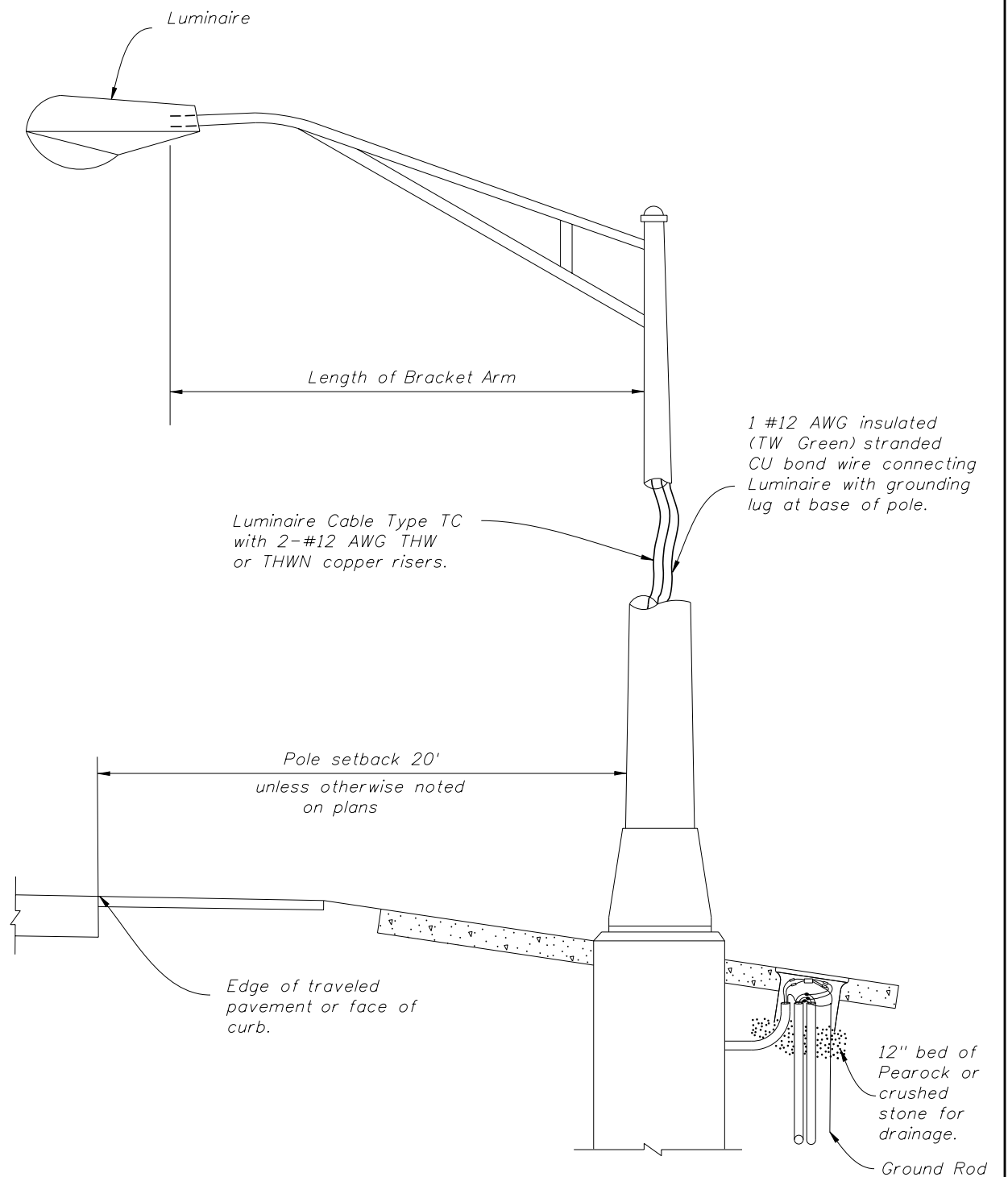
#6 TW Green Ground Wire

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

METAL POLE WIRING DETAIL

NOTES:

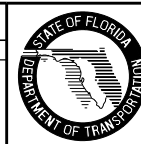
1. Barrier wall or bridge mounted poles: The wiring shall be in accordance with Section 992 of the Standard Specifications.



METAL POLE DETAIL

WIRING DETAILS

REVISIONS			
DATE	BY	DESCRIPTION	
06/22/10	C.H.	Removed Grounding Conduit Between PullBox and Pole. Ran Ground Wire in Conduit with Hot and Neutral Wires.	



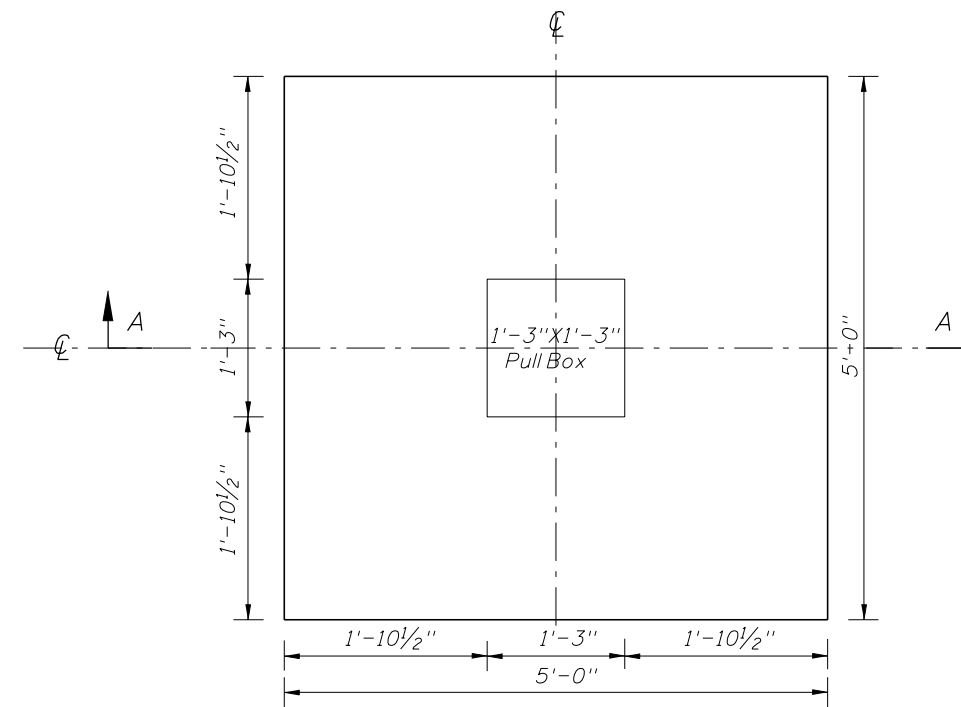
2010 Interim Design Standard

CONVENTIONAL LIGHTING

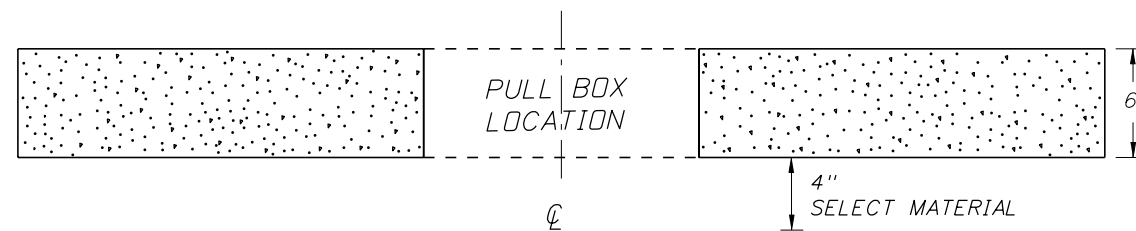
Interim Date	Sheet No.
07/01/10	1 of 3
Index No.	
17500	

NOTES:

1. Use compacted select material in accordance with Index 505.
2. Concrete shall be Class NS with a minimum strength at 28 days of $f'c=2.5$ ksi.
3. Outside edge of slab shall be cast against formwork.
4. The pullbox shown is 1'-3" x 1'-3"; others approved under Section 635 of the Standard Specifications may be used.
5. Slabs to be placed around all Poles and Pull Boxes in rural locations. In urban areas or where space is limited slab dimensions may be adjusted as shown in the plans.
6. Concrete for slabs around pullboxes shall be included in the price of pullbox.




SLAB DIMENSIONS



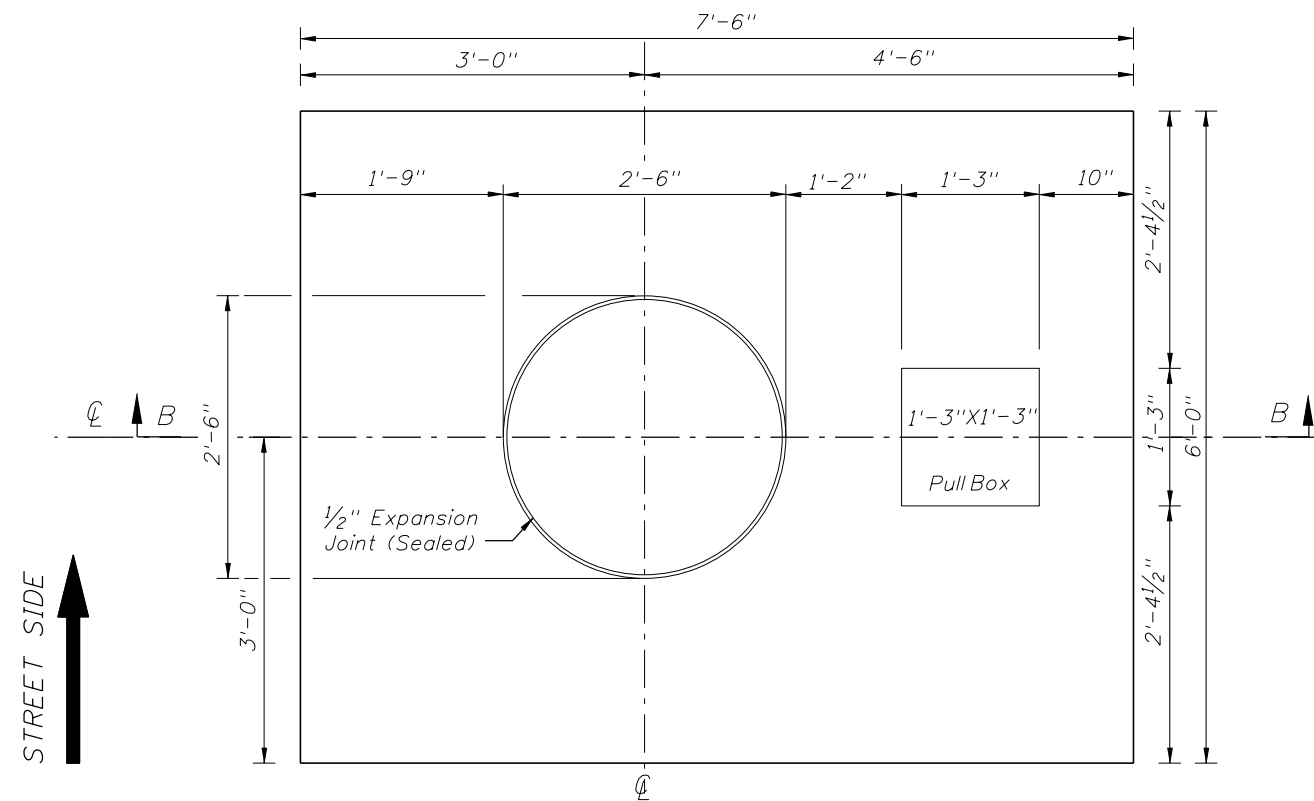
SECTION A-A

SLAB DETAILS FOR INTERMEDIATE PULLBOX LOCATIONS

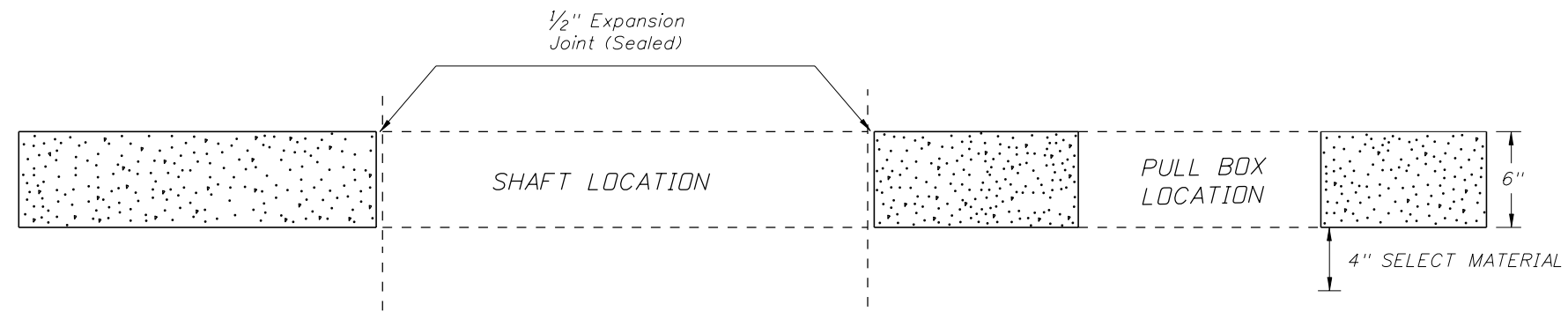
REVISIONS							2010 Interim Design Standard CONVENTIONAL LIGHTING	Interim Date	Sheet No.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION			07/01/10	2 of 3
06/10/10	C.H.	Reinforcing removed from slabs, notes revised, new dimensions were added to slab dimensions.						Index No. 17500	

NOTES:

1. Use compacted select material in accordance with Index 505.
2. Concrete shall be Class NS with a minimum strength at 28 days of $f'c=2.5$ ksi.
3. Outside edge of slab shall be cast against formwork.
4. The pullbox shown is 1'-3" x 1'-3"; others approved under Section 635 of the Standard Specifications may be used.
5. Slabs to be placed around all Poles and PullBoxes in rural locations. In urban areas or where space is limited slab dimensions may be adjusted as shown in the plans.
6. Concrete for slabs around poles and pullboxes shall be included in the price of pole or pullbox.
7. The 1/2" thick expansion joint between the pole shaft and slab shall be sealed with a hot poured elastic joint sealer.



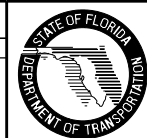
SLAB DIMENSIONS



SECTION B-B

SLAB DETAILS FOR POLE AND PULL BOX LOCATIONS

REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
06/10/10	C.H.	Reinforcing removed from slab, notes revised, new dimensions were added to slab dimensions.			



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CONVENTIONAL LIGHTING

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