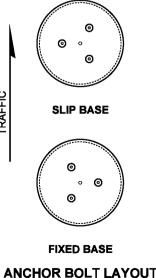


NOTES

- poles weighing more than 1000 lbs.
- the depth of the Media Filter Drain.
- METHOD 2 on Sheet 2 of 2.
- to ASTM F2329.
- Standard Specification 8-20.3(4).



1. See Standard Plan J-28.40 for Luminaire Pole base mounting details.

2. The Strap Templates shall be held in place by nuts, 6" (in) from the top of the foundation and 3" (in) from the bottom of the anchor bolts. Eighteen heavy duty hex nuts and six round washers are required for a slip base assembly. Eighteen heavy duty hex nuts and six plate washers are required for a fixed base assembly.

3. Use Steel Light Standard Foundation Type A on level ground or slopes not exceeding 4H: 1V. Use Type B for slopes steeper than 4H: 1V. but not exceeding 2H: 1V. Slopes steeper than 2H : 1V shall require a special design.

4. These foundations are designed for a minimum of 2000 PSF (TYPE A) or 1500 PSF (TYPE B) allowable lateral bearing pressure for the soil. A special foundation shall be required for soil with allowable lateral bearing pressure lower than 1500 PSF.

5. The Luminaire Pole height shall not exceed 50' (ft) (H1).

Slip bases shall not be installed on 50' (ft) (H1) poles with Double Mast Arms, nor on

7. Slip bases are required on poles installed inside the Design Clear Zone, and on poles installed behind traffic barrier that are within the traffic barrier deflection zone.

8. Foundations constructed within Media Filter Drains shall be increased in depth by

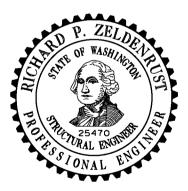
9. Exposed portions of the foundation shall be formed to create a Class 2 surface finish. All forming shall be removed upon completion of foundation construction.

10. For excavation, concrete placement, and backfill options, see METHOD 1 and

11. The anchor bolts shall be high-strength steel, manufactured from ASTM F1554 Grade 105, with heavy hex nuts and hardened washers. Galvanize the anchor bolts according

12. The foundation shall be grounded in accordance with the requirements of

13. See Standard Plans C-8b and C-85.14 for steel light standards on traffic barrier.





STANDARD PLAN J-28.30-03

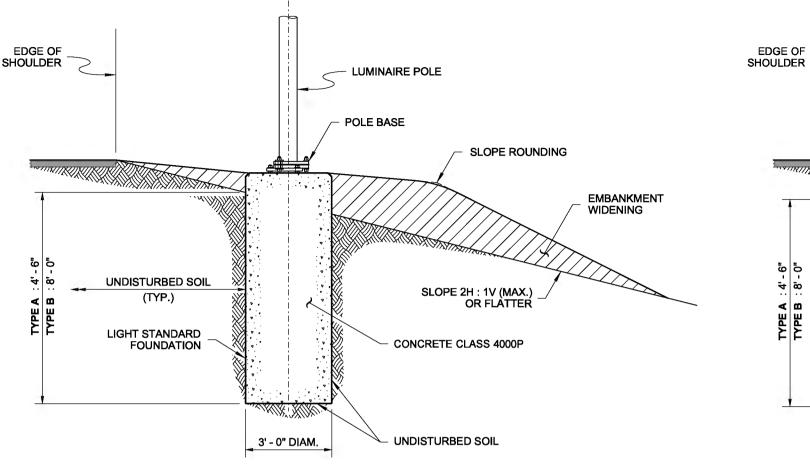
SHEET 1 OF 2 SHEETS

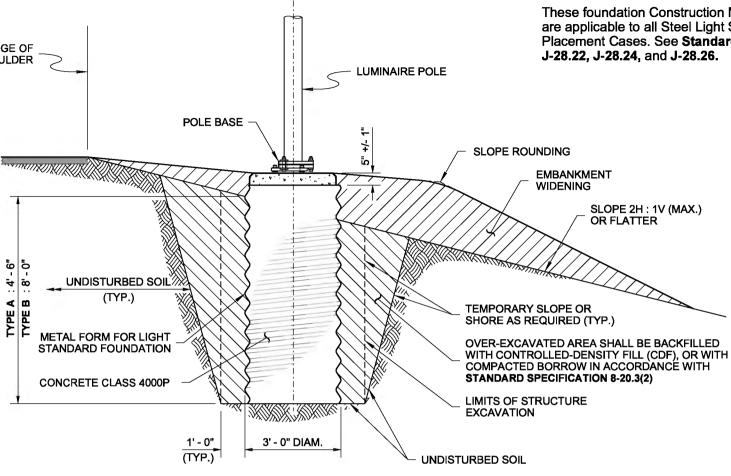
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(CASE A SHOWN)

METHOD 2

METAL (SUBSURFACE) FORM REQUIRED

When the existing soil will not retain a vertical face, over-excavate the foundation area and install a 36" (in) diameter corrugated metal (pipe) form. The corrugated metal form shall not extend more than 5" (in) +/- 1" (in) below any portion of the foundation that will remain exposed upon final grading. Continue forming to full height using a paper or cardboard form to achieve a smooth finish on final exposed cement concrete. Support the form as necessary to remain plumb.

See Standard Plans J-28.24 and J-28.26 for maximum heights of exposed foundation when no embankment widening is to be installed.

Place the concrete foundation.

After concrete has cured, remove the paper or cardboard form portion.

Backfill with controlled-density fill or compacted borrow in accordance with Standard Specification 8-20.3(2).

Construct the embankment widening (if required).

(CASE A SHOWN)

METHOD 1

NO SUBSURFACE FORM

This option is used only when the existing soil in the hole will remain standing and the cement concrete can be placed without causing the soil to collapse. Concrete shall be cast directly against undisturbed soil.

Auger the hole for the foundation. Use a paper or cardboard form to achieve a smooth finish on the final exposed cement concrete. Support the form as necessary to remain plumb.

See Standard Plans J-28.24 and J-28.26 for maximum heights of exposed foundation when no embankment widening is to be installed.

Place the concrete foundation.

After concrete has cured, remove the paper or cardboard form portion.

Construct the embankment widening (if required).

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CONSTRUCTION METHODS

NOTE

These foundation Construction Methods are applicable to all Steel Light Standard Placement Cases. See Standard Plans



STANDARD PLAN J-28.30-03

SHEET 2 OF 2 SHEETS

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