| | | | STEEL FOUN | DATION | CONCRETE FOUNDATION | | | |
|-------------------|-------------|----------------------------------|------------|-----------------|---------------------|----------|------------|--|
| LIGHT POLE | BOLT CIRCLE | SHAFT | SHAFT | TOP PLATE (min) | SHAFT | SHAFT | ANCHOR ROD | |
| HEIGHT | DIAMETER | DIAMETER | DEPTH | | DIAMETER | DEPTH | LENGTH① | |
| <u><</u> 9.1 m | 292 | 220 | 1.83 m | 300 × 300 × 25 | 610 | 1.52 m | 1.45 m | |
| (30′) | (11.5) | (8 ⁵ / ₈) | (6') | 12 × 12 × 1 | (24) | (5′-0′′) | (4′-9′′) | |
| 9.4 m - 10.7 m | 292 | 220 | 1.83 m | 300 × 300 × 25 | 610 | 1.67 m | 1.60 m | |
| (31'-35') | (11.5) | (8 ⁵ / ₈) | (6') | 12 × 12 × 1 | (24) | (5′-6′′) | (5'-3'') | |
| 10.9 m - 12.2 m | 381 | 220 | 1.83 m | 375 × 375 × 31 | 762 | 1.83 m | 1.75 m | |
| (36'-40') | (15) ③ | (85/ ₈) | (6′) ② | 15 × 15 × 1 1/4 | (30) | (6'-0'') | (5′-9″) | |
| 12.5 m - 13.7 m | 381 | 220 | 1.83 m | 375 × 375 × 31 | 762 | 1.98 m | 1.90 m | |
| (41'-45') | (15) ③ | (8 ⁵ / ₈) | (6′) ② | 15 × 15 × 1 1/4 | (30) | (6'-6'') | (6'-3'') | |
| 14.0 m - 15.2 m | 381 | 220 | 2.44 m | 375 × 375 × 31 | 762 | 2.13m | 2.00 m | |
| (46'-50') | (15) ③ | (8 ⁵ / ₈) | (8') | 15 × 15 × 1 1/4 | (30) | (7'-0'') | (6'-9'') | |

Plate to be installed when

with bottom of concrete chamfer.

125 (5) I.D. P.V.C. wiring window.
Fill with fine

(4) If the required anchor rod length above top of foundation is less than 75 (3), anchor rods may be lowered below 150 (6).

aggregate

Cast bronze clamp —

16 mm \times 3 m ($\frac{5}{8}$ " \times 10") Coppercial arounding electrode. When foundation is set in rock, install ground electrode in cable trench.

Use dirt removed from foundation to meet 1.52m (5 ft.)chord

fill around foundation top. Grade dirt level

chamfer.

(1) Length does not include 100 (4)mock (2) 220 mm x 2.44 m (8 $\frac{8}{6}$ "x 8'-0")for Twin luminaires (3) Bolt circle diam, shall be 430 (17) when a TB3-17 transformer bases is used

610 (24) min. dia. with 292 (11.5) bolt circle 762 (30) min. dia. with 381 (15) or 432 (17) bolt circle 125 (5) I.D. P.V.C. wiring window required. (See Ring Plate Detail) — 75 (3) Min. concrete cover on all steel Length above foundation shall be adjusted to accommodate breakaway devices furnished by the contractor Anchor rod 25 (1)diameter with 230 (9) threads. Anchor rod shall extend through nut 25 (1). For barrier or foundation for a specific installation. behind guardrail, use self-locking nut and flat washer. Do not use lock washer. −19 (¾) Chamfer Varies: - Finished

#6 Bare

Wireway may be on front, back, or side of foundation as required by the trenching. Place coor of transformer base on wireway side to minimize the number of unit duct

Pole Foundation Setback:

For horizontal mounted luminaires, setback shall be a minimum of 1.5'

from face of curb.

Top of schedule 40 125(5) I.D. PVC wiring window, shall be flush with the top of foundation for drainage.

All foundations are designed to be located on slopes not exceeding 2:1 where soils have an unconfined compressive strength of at least 1.0 TSF. The contractor shall verify the soil strength during drilling for concrete foundations or by monitoring installation resistance on steel foundations and notify the engineer if other conditions are encountered.

Anchor rod shall be increased to 31 (1 1/4) diameter for 15.24(50') mounting height or above.

TB3-17 transformer base is not to be used on metal

CONCRETE FOUNDATION

See Ring Plate Detail

> All dimensions are in millimeters (inches) unless otherwise shown.

| FILE NAME = | USER NAME = AnderØØ846 | DESIGNED - | PJG | REVISED - |
|---|-----------------------------|------------|----------|-----------|
| I:\09Jobs\09L0027\CADD\Elec\Sheet\e-000 | -dgm | DRAWN - | ANC | REVISED - |
| | PLOT SCALE = 20.0000 '/ in. | CHECKED - | RDN | REVISED - |
| | PLOI DATE = 03\22\2010 | DATE - | 03/19/10 | REVISED - |

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

| LIGHTING POLE FOUNDATION | | | | | | | | | | | |
|--------------------------|--------|----------|----|-----|------|------|-----|---------|---|-------------|--|
| | NORTHM | OOR AN | D | SH | ERII | DAN | RO/ | D STAGE | 1 | IMPROVEMENT | |
| SCALE: | NTS | SHEET NO |). | 7 0 | F 10 | SHEE | TS | STA. | | TO STA. | |

| F.A.U. RTE. | SECT | ION | | | COUNTY | TOTA | S | SHEET NO. |
|----------------|--------------|----------|------|-----|---------|----------|-----|--------------|
| 6647 | 08-0030 | 2-00-P\ | / | | PEORIA | 102 | | 68 |
| 6595 | 09-0004 | 7-01-PV | ′ | | CONTRAC | T NO. | 8 | 9523 |
| FED. RO | AD DIST. NO. | ILLINOIS | FED. | AID | PROJECT | M-5093(1 | 351 | |

—Break away device transformer base

-Foundation flush with ground