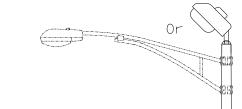
COUNTY TOTAL SHEET NO. F.A.P. SECTION 323 (145,146)L FDGAR



LIGHT POLE | BOLT CIRCLE SHAFT SHAFT SHAFT ANCHOR ROD SHAFT TOP PLATE (min) MOUNTING HEIGHT DIAMETER DIAMETER DEPTH DIAMETER DEPTH LENGTH (1) 300 × 300 × 25 12 × 12 × 1 1.83 m < 9.1 m 220 610 1.52 m 1.45 m (11.5) (30′) $(8\frac{5}{8})$ (6') (24)(4'-9'') (5'-0'')220 (8⁵/₈) 9.4 m - 10.7 m 292 1.83 m 300 × 300 × 25 610 1.67 m 1.60 m (31'-35') (11.5)(6') $12 \times 12 \times 1$ (24)(5'-6'') (5'-3'')10.9 m - 12.2 m 381 220 1.83 m $375 \times 375 \times 31$ 762 1.83 m 1.75 m $(8^{5}/8)$ (15) ③ 15 × 15 × 1 1/4 (6′) (36'-40') (30)(6'-0'') (5'-9'')220 (8⁵/₈) 12.5 m - 13.7 m 381 1.83 m $375 \times 375 \times 31$ 762 1.98 m 1.90 m (6') ② 15 × 15 × 1 1/4 (41'-45') (15) ③ (30)(6'-6'') (6'-3'')220 (8⁵/₈) 375 × 375 × 31 15 × 15 × 1¹/₄ 762 (30) 2.13m (7'-0'') 14.0 m - 15.2 m 381 2.44 m 2.00 m

STEEL FOUNDATION

① Length does not include 100(4)hook

(46'-50')

2 220 mm x 2.44 m (85% "x 8'-0") for Twin luminaires

(See table)

305

Cutting

teeth

0r

STEEL FOUNDATION

Helix &

pilot point

610 (24)

(See

depth

(15) (3)

③ Bolt circle diam. shall be 430 (17) when a TB3-17 transformer base is used

(8′)

Two, $65 \times 305 (2 \frac{1}{2} \times 12)$

wiring windows

180° apart

 $/-6(\frac{1}{4})$ Thick min.

381 (15) or 432 (17) bolt circle

> 125 (5) I.D. P.V.C. wiring

window

Plate to be installed when required (See ring plate detail)

75 (3) Min. concrete cover on all steel

Pole Foundation Setback:

For horizontal mounted luminaires, setback shall be a minimum of 6.1 m (20') from edge of pavement.

For vertical mount luminaires, setback shall be a minimum of 9 m (30') from edge of pavement. Poles shall be located 1.5 m (5') behind quardrail or other protective barriers, or as directed by the Engineer.

Anchor rod 25 (1) diameter with 230 (9) threads. Anchor rod shall extend through nut 25 (1). For barrier or foundation behind guardrail, use self-locking nut and flat washer. Do not use lock washer. $19(\frac{3}{4})$ Chamfer Finished grade For 15) 381 Pole Setback

- 1) Wireway may be on front, back or side of foundation as required by the trenching. Place door of transformer base on wireway side to minimize the number of unit duct bends.
- 2) Top of schedule 40 125 (5) I.D. PVC wiring window, shall be flush with the top of foundation for drainage.
- 3) 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.
- 4) Anchor rod shall be increased to 31 ($1\frac{1}{4}$) diameter for 15.24 (50') mounting height or above.
- 5) TB3-17 transformer base is not to be used on metal foundation

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

DATE	REVISIONS	LIGHT POLE
10/7/02	Bridge Office depth calc.	FOUNDATION
		LGT007-836



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

with bottom of concrete 125 (5) I.D. P.V.C.

CONCRETE FOUNDATION

(6'-9'')

230 (9) I.D. with 292 (11.5) bolt circle 305(12)I.D. with 381(15) bolt circle 356(14) I.D. with 432(17) bolt circle

foundation to meet

fill around foundation

top. Grade dirt level

1.52m (5 ft.)chord

chamfer.

Cast bronze clamp

wireway window.

Fill with fine

agaregate

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

(9)

150

4

RING PLATE DETAIL (When rock is encountered

CONCRETE FOUNDATION

length

Pod

See Ring

Plate Detail

#6 Bare

copper

wire

610 (24) min. dia. with

292(11.5) bolt circle

762(30)min. dia. with

and foundation is shallower)

TOP VIEW

380 (15) O.D.

450 (18) O.D.

508 (20) O.D.