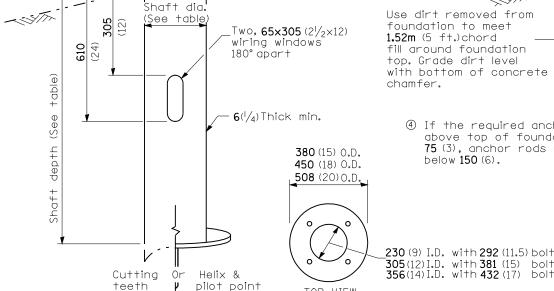


Bolt circle Length above foundation diameter. Fill with fine shall be adjusted to accomodate (See table) aggregate breakaway devices furnished by the contractor for a specific installation. Wireway location identification marks shall be notched in side of plate or stamped on top. Varies



STEEL FOUNDATION

SIM

Finished

arade

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

610

(9)

4

Cast bronze clamp

**16 mm × 3 m** (5/8"× 10") Copperclad grounding electrode. When foundation is set in rock, install ground electrode in cable trench.

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

Fill with fine

aggregate

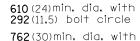
wireway window.

\_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

RING PLATE DETAIL

TOP VIEW

(When rock is encountered and foundation is shallower)



381 (15) or 432 (17) bolt

... A

See Ring

Plate Detail

11

11

11

12 F.

circle

P.V.C. wiring window Plate to be installed when required (See ring

125 (5) I.D.

plate detail)

 $19(\frac{3}{4})$  Chamfer

(15)

#6 Bare

SCALE:

copper

wire

381

75 (3) Min. concrete cover on all steel

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.



Notes:

- 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.

Pole Foundation Setback:

of pavement.

For horizontal mounted luminaires, setback

shall be a minimum of 6.1 m (20') from edge

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 guardrail or other protective

barriers, or as directed by the Engineer.

Pole Setback

- 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  $(1^{1}/4)$  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.

## CONCRETE FOUNDATION

FILE NAME =	USER NAME = laughlinrl	DESIGNED -	REVISED -
c:\pw_work\PWIDOT\LAUGHLINRL\dms76543\[	672C46-sht-details.dgn	DRAWN -	REVISED -
	PLOT SCALE = 40.0000 '/ IN.	CHECKED -	REVISED -
	PLOT DATE = Feb-05-2009 02:56:28PM	DATE -	REVISED -

STATE OF	ILLINOIS
DEPARTMENT OF	TRANSPORTATION

LIGHT POLE FOUNDATION				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
						668	28L-1	SANGAMON	20	16
								CONTRACT	NO. 7	2C46
	SHEET NO	). OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				