CONTRACT NO. 76A19

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	*	**	21	10
STA. 491+00		TO STA. 480+00		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

* DIST 8 ITS 2007-2, 2B

** MADISON AND ST. CLAIR

	CONCRETE FOUNDATION		
LIGHT POLE MOUNTING HEIGHT	BOLT CIRCLE DIAMETER	SHAFT DIAMETER	SHAFT DEPTH	ANCHOR ROD LENGTH *
≤9.1 m (30')	292 mm (11½")	610mm (24")	1.52 m (5'-0")	1.45 m (4'-9")
9.4 m - 10.7 m (31'-35')	292 mm (11½")	610mm (24")	1.67 m (5'-6")	1.60 m (5'-3")
10.9 m - 12.2 m (36'-40')	381 mm (15")	610mm (24")	1.83 m (6'-0")	1.75 m (5'-9")
12.5 m - 13.7 m (41'-45')	381 mm (15")	610mm (24")	1.98 m (6'-6")	1.90 m (6'-3")
14.0 m - 15.2 m (46'-50')	381 mm (15")	610mm (24")	2.13m (7'-0")	2.00 m (6'-9")

* Length does not include 100 (4) hook

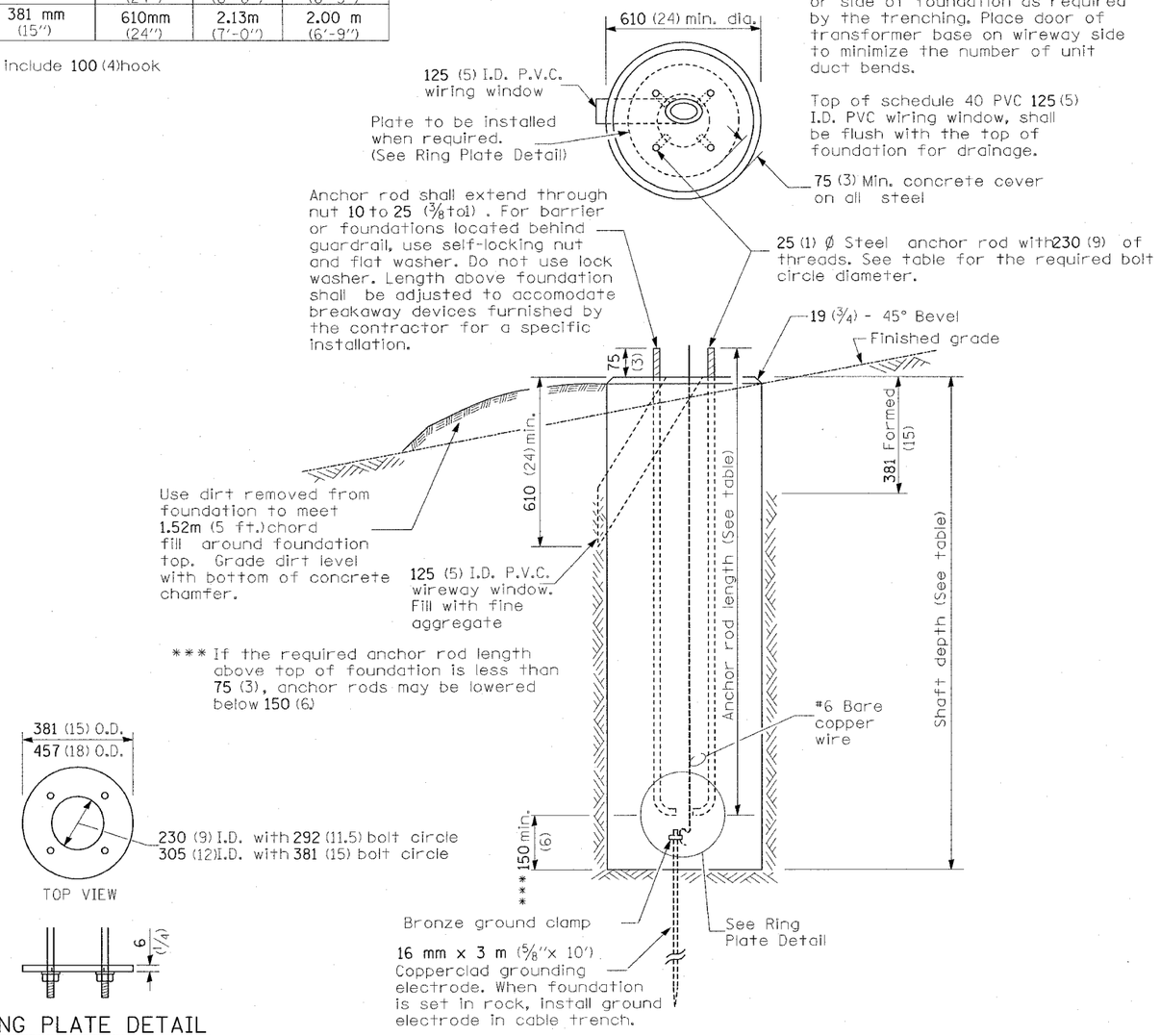
Notes:

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.

Notes:

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.

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



RING PLATE DETAIL

(When rock is encountered and foundation is shallower)

CONCRETE FOUNDATION

REVISIONS	
NAME	DATE
BRIDGE OFF DEPTH CALC.	10/07/02

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION

FAI 255
SECTION DIST 8 ITS 2007-2, 2B
MADISON AND ST. CLAIR COUNTIES

DRAWN BY:

PLOT DATE: 9/22/2006

PLAN | SURVEYED | PLOTTED | ALIGNMENT CHECKED | RT. OF WAY CHECKED | CADD FILE NAME | NOTE BOOK NO. | BY

#TDATE#
9/22/2006
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*REF:
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