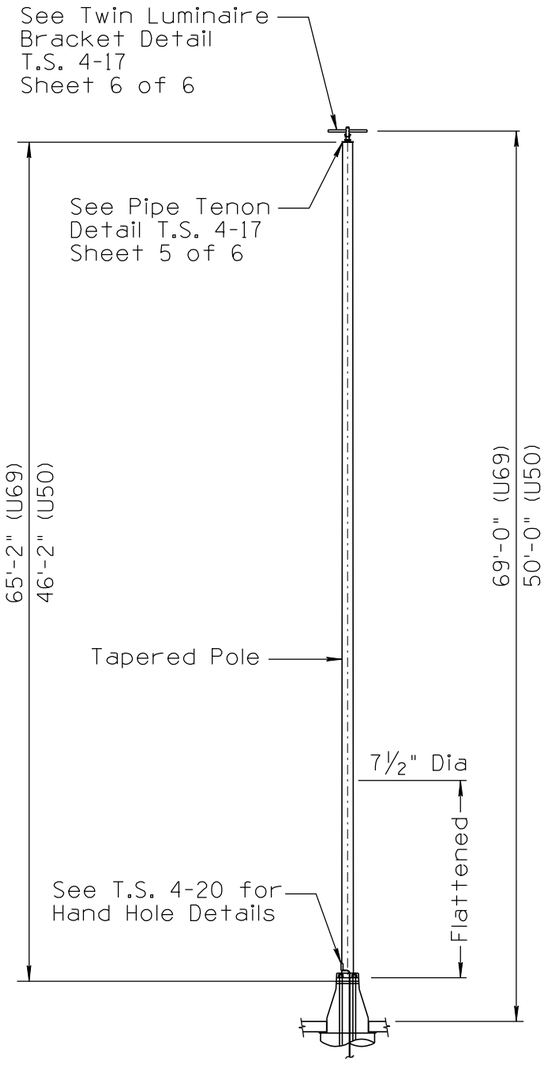
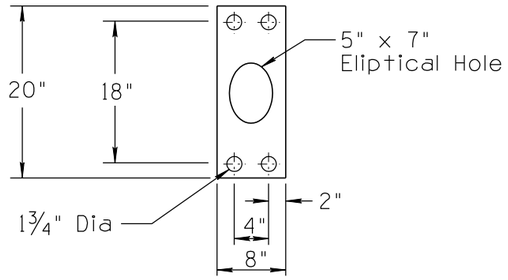
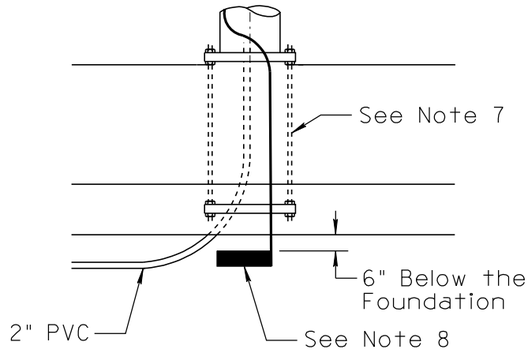


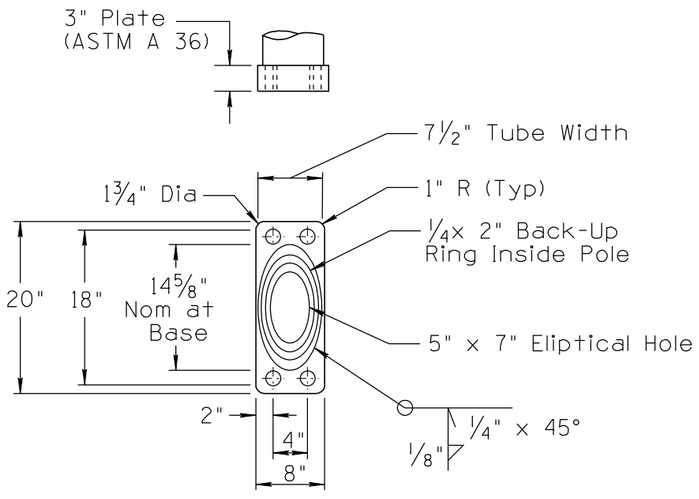
POLE TYPE "U"



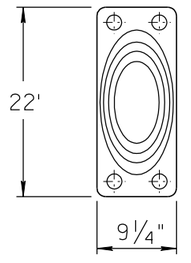
BARRIER ANCHOR PLATE
(Elliptical)



BARRIER POLE ANCHORAGE



BARRIER POLE BASE FOR U50
(Elliptical)



BARRIER POLE BASE FOR U69

NOTES:

1. All materials and construction shall conform to the requirements of the Specifications.
2. The pole shaft shall be fabricated from sheet steel which meets or exceeds ASTM 572 GR.42 55,000 PSI minimum strength requirements.
3. Pole shall comply with 1994 AASHTO loading requirements for Structural Supports for Highway Signs, Luminaires and Traffic Signals.
4. Conductors hanging within the pole shall be supported from the top of the pole by an approved cable hanger.
5. Anchor bolts shall be fabricated from steel which meets or exceeds ASTM A445 or A325 minimum strength requirements. The anchor bolts, washers, and nuts shall be fully galvanized.
6. Once the pole installation is completed the space between the bottom of the pole base plate and the median barrier shall be filled with a non-shrink grout.
7. See Structures sheets for approved foundation designs and details.
8. A 25' coil of #4 AWG bare copper conductor or a 14" square copper ground plate shall be installed before the concrete is poured and connected to pole grounding lug in the hand hole. The ground or coil shall be covered with 6" of fill.

NOT TO SCALE

NO	DESCRIPTION OF REVISIONS	MADE BY	DATE
1	2010 EDITION	C. COLE	03/10
2			
3			
4			

DESIGN APPROVED **SIGNATURE**	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION TRAFFIC SIGNALS AND LIGHTING STANDARD DRAWINGS	REVISION 03/10
APPROVED FOR DISTRIBUTION **ON FILE**	TYPE "U" POLE ELLIPTICAL BASE DETAILS	DRAWING NO. T.S. 4-16
		SHEET NO. 1 OF 1

1:53:55 PM 4/12/2010 v:\traffic\dev\tr_dev\english_stds\signal_light\current_stds\ets4-16.dgn