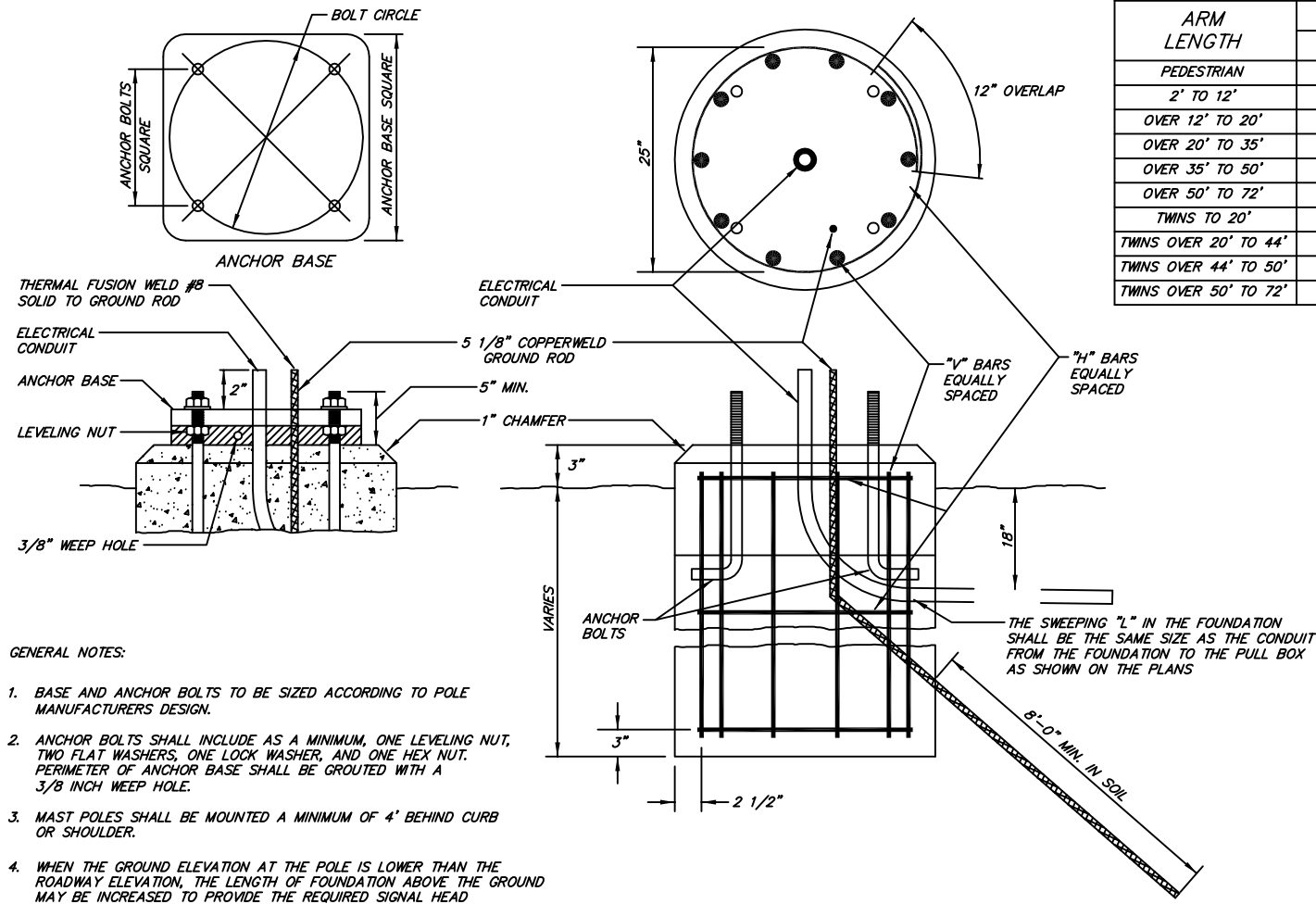


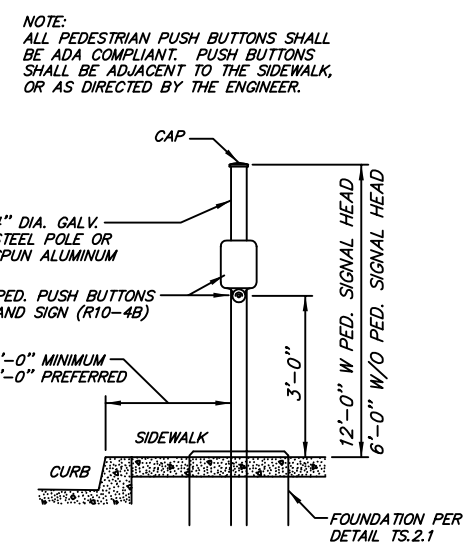
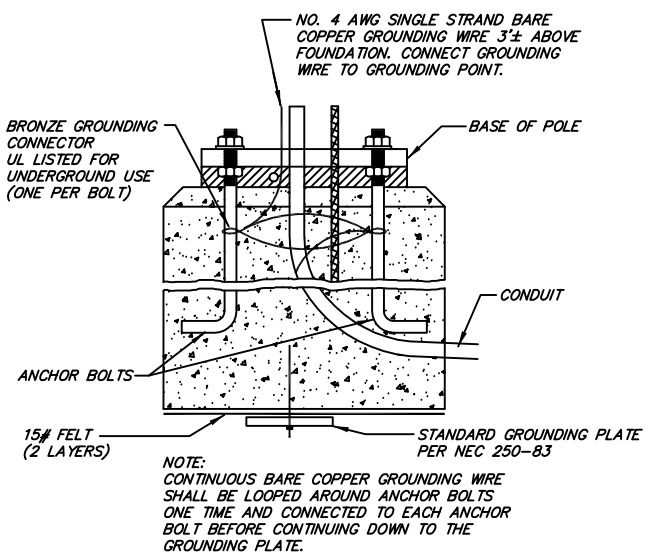
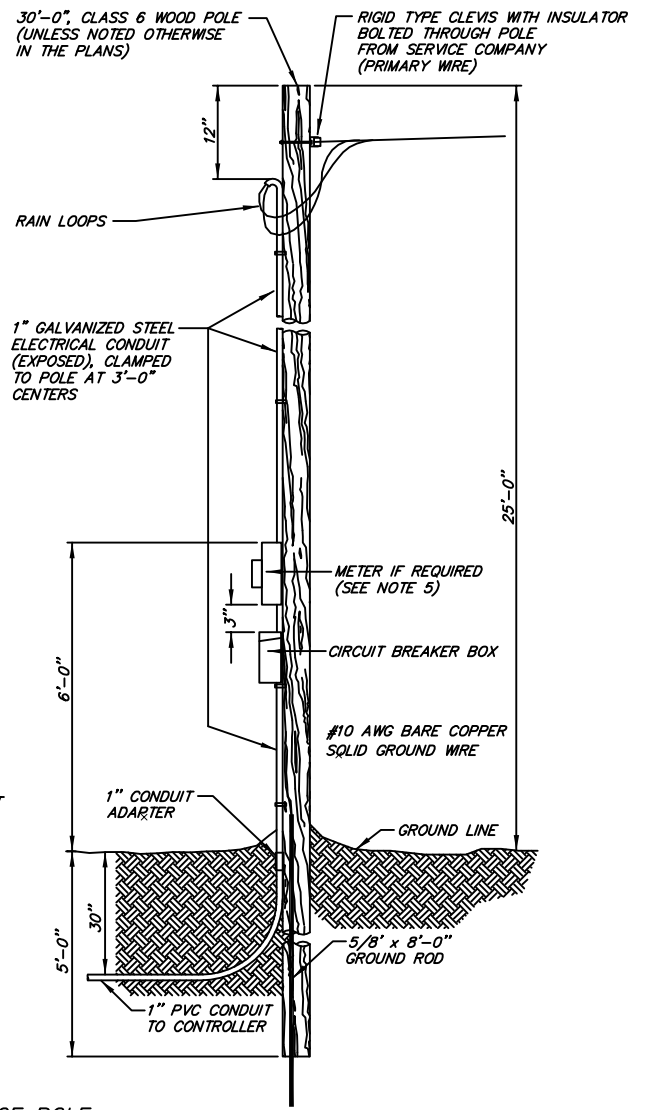
POLE FOUNDATION MINIMUM DIMENSIONS AND STEEL REINFORCING
(ALL REINFORCING STEEL SHALL BE GRADE 40 MINIMUM)

ARM LENGTH	FOUNDATION		STEEL		
	DIAMETER	DEPTH	VERTICAL	HORIZONTAL	O.C.
PEDESTRIAN	30"	7'-0"	12-#7 (6'-6")	10-#4	8.44"
2' TO 12'	30"	10'-6"	12-#7 (10'-0")	15-#4	8.42"
OVER 12' TO 20'	30"	11'-6"	12-#7 (11'-0")	16-#4	8.66"
OVER 20' TO 35'	36"	12'-6"	13-#8 (12'-0")	17-#4	8.88"
OVER 35' TO 50'	36"	13'-6"	13-#8 (13'-0")	19-#4	8.56"
OVER 50' TO 72'	42"	14'-6"	18-#8 (14'-0")	20-#4	8.74"
TWINS TO 20'	30"	16'-0"	12-#6 (15'-6")	22-#4	8.76"
TWINS OVER 20' TO 44'	36"	16'-0"	13-#8 (15'-6")	22-#4	8.76"
TWINS OVER 44' TO 50'	42"	16'-0"	18-#8 (15'-6")	22-#4	8.76"
TWINS OVER 50' TO 72'	42"	16'-6"	18-#8 (16'-0")	23-#4	8.64"



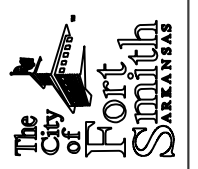
- GENERAL NOTES:**
- BASE AND ANCHOR BOLTS TO BE SIZED ACCORDING TO POLE MANUFACTURERS DESIGN.
 - ANCHOR BOLTS SHALL INCLUDE AS A MINIMUM, ONE LEVELING NUT, TWO FLAT WASHERS, ONE LOCK WASHER, AND ONE HEX NUT. PERIMETER OF ANCHOR BASE SHALL BE GROUTED WITH A 3/8 INCH WEEP HOLE.
 - MAST POLES SHALL BE MOUNTED A MINIMUM OF 4' BEHIND CURB OR SHOULDER.
 - WHEN THE GROUND ELEVATION AT THE POLE IS LOWER THAN THE ROADWAY ELEVATION, THE LENGTH OF FOUNDATION ABOVE THE GROUND MAY BE INCREASED TO PROVIDE THE REQUIRED SIGNAL HEAD CLEARANCE ABOVE THE ROADWAY. WHEN THE REQUIRED LENGTH OF FOUNDATION ABOVE THE GROUND IS 18" OR LESS, NO INCREASE IN DEPTH WILL BE REQUIRED. WHEN THE REQUIRED LENGTH OF FOUNDATION ABOVE THE GROUND IS 5'-6" OR LESS, INCREASE DEPTH BY 1'-0". FOR LENGTHS GREATER THAN 5'-6", DEPTH SHALL BE ADJUSTED AS DIRECTED BY THE ENGINEER. LONGITUDINAL REINFORCING, AS SHOWN IN THE TABLE, SHALL BE PROVIDED FOR THE LENGTH OF THE EXTENDED SHAFT AND #4 TIES SHALL BE PROVIDED AT A SPACING NOT TO EXCEED 9" ON CENTERS.

- GENERAL NOTES**
- SERVICE POLE:**
PRIMARY SERVICE SHALL BE FURNISHED TO A SERVICE POLE OR TO A TRAFFIC SIGNAL POLE. THE INSTALLATION SHALL INCLUDE GROUND ROD, METER BASE, INSULATORS, CABLES, CONDUIT, SERVICE HEAD, SERVICE BRACKET, CIRCUIT BREAKERS, AND ALL OTHER ITEMS NECESSARY TO COMPLETE THE WORK. THE CONTRACTOR SHALL COORDINATE WITH THE POWER COMPANY TO GET THE CONNECTION AT THE PROPER TIME.
THE EQUIPMENT, CONSTRUCTION AND INSTALLATION ON THE SERVICE POLE, AND SERVICE SHALL BE SUBJECT TO THE APPROVAL OF THE POWER COMPANY.
 - ON PROJECTS WHERE SERVICE POLES ARE INSTALLED, THE SERVICE POLE SHALL BE INSTALLED AS CLOSE TO THE RIGHT-OF-WAY AS POSSIBLE. LOCATION SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
 - INSTALL A CONDUIT COUPLING ADAPTOR, OR COMPRESSION COUPLING IF NECESSARY TO CONNECT CONDUITS OF DISSIMILAR MATERIALS.
 - THE PRIMARY WIRING SHALL BE PROVIDED BY THE LOCAL UTILITY CO., UNLESS OTHERWISE SPECIFIED.
 - THE CONTRACTOR SHALL INSTALL THE REQUIRED METERING EQUIPMENT FURNISHED BY THE LOCAL UTILITY CO., UNLESS OTHERWISE SPECIFIED.
 - COSTS ASSOCIATED WITH PROVIDING AND INSTALLING THE PRIMARY SERVICE, EXCEPT FOR THE SERVICE POLE COST, SHALL BE CONSIDERED INCIDENTAL TO THE AMOUNT BID FOR TRAFFIC SIGNAL POLES.



By	Date	Revision
MM	AUG-2011	Revised Table, Detail TS.2.1
MM	AUG-2011	Added Note 4, Detail TS.2.1

Standard Drawings
TRAFFIC SIGNALS
Public Works Construction



CITY OF FORT SMITH
Engineering Department
623 Garrison Avenue, Room 409
Fort Smith, Arkansas 72901
Phone (479)784-2225 Fax (479)784-2245

Project:	Details
Date:	NOV 2012
Scale:	As Shown
Drawn By:	RBR
Dwg. No.:	TS2
Sheet No.:	33

RBR 11/09/12-13:55 33-TS2.dwg C:\DRAWINGS\00-Standard Details\2012\DWG