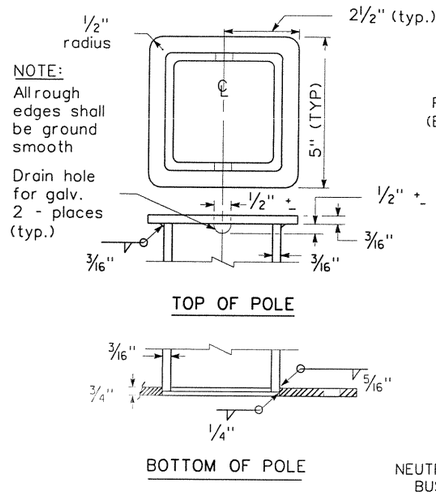
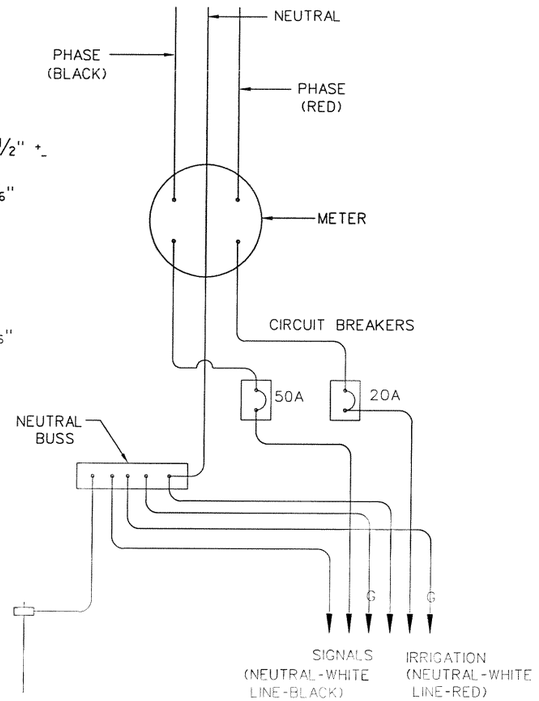
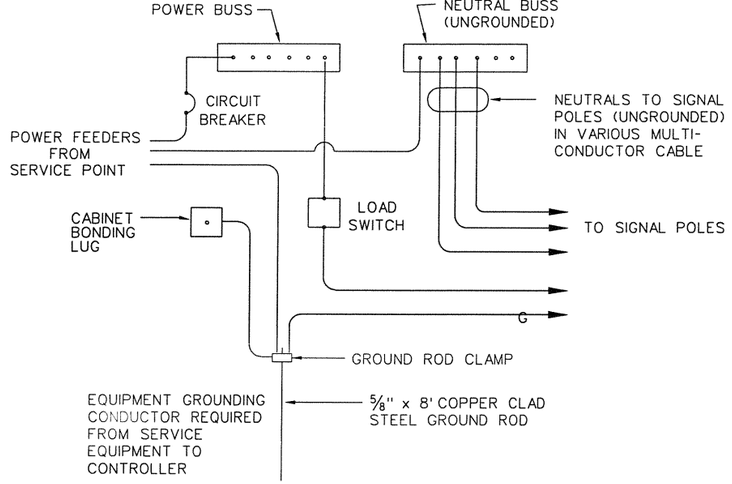




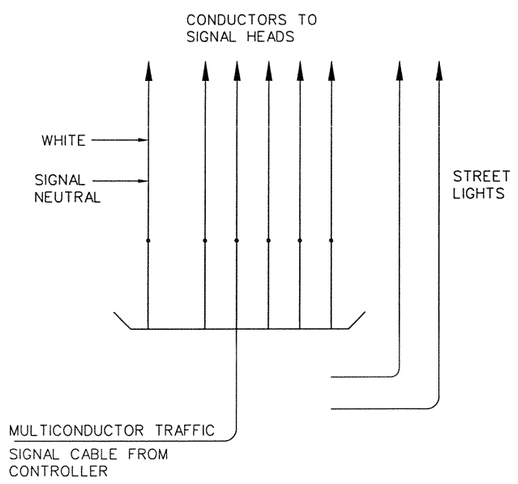
SERVICE ASSEMBLY SCHEMATIC

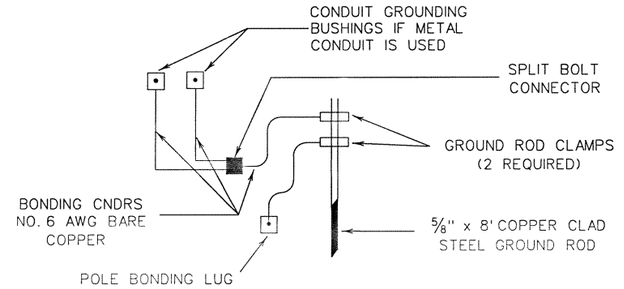


CONNECTIONS AT SIGNAL CONTROLLERS

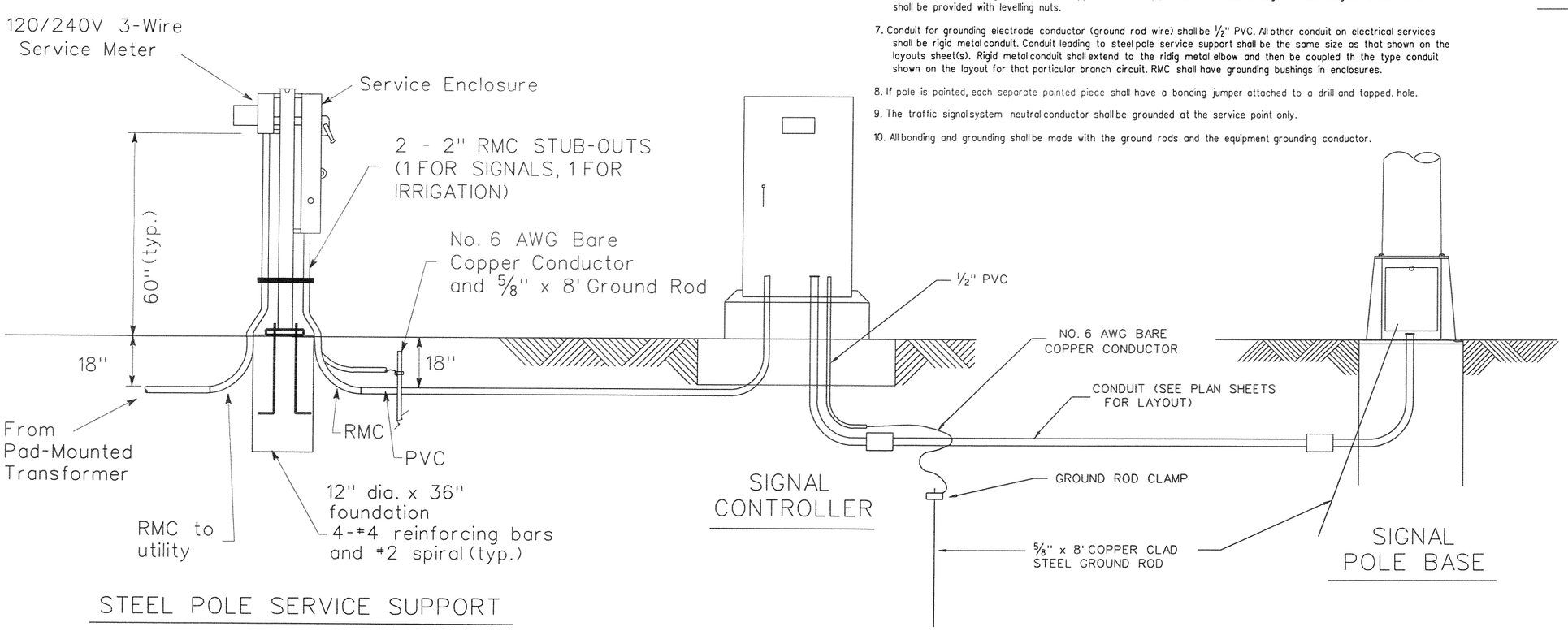
NOTES:

1. Support type shall be fabricated from 4" x 4" x 3/16" square structural tubing, ASTM A500 Grade A or C or equal. Base plate shall be 3/4" plate, ASTM A36 or equal. All equipment and conduit shall be mounted on galvanized channel strut, 1 1/2" x 1 5/8" x 12 guage galvanized steel channel (Unistrut, Kindorf, B-line or equal) clamped with channel hardware, booted or welded to vertical member as approved ny the Engineer.
2. Paint end of all channels with zinc-rich paint.
3. All Steel Poles shall be hot-dip galvanized after fabrication.
4. All conduit and conductors attached to the electrical service and within 12 inches of the electrical service will not be paid for directly, but shall be subsidiary to the electrical service. All conduit and conductors from the utility company pad-mounted transformer to the point 12 inches from the electrical service will also be subsidiary to the electrical service.
5. All mounting hardware and installation details of services shall be in accordance with utility company specifications.
6. Anchor bolts for underground service supports shall be 3/4" x 18" x 4" (dia. x length x hook length). Anchor bolts shall be provided with levelling nuts.
7. Conduit for grounding electrode conductor (ground rod wire) shall be 1/2" PVC. All other conduit on electrical services shall be rigid metal conduit. Conduit leading to steel pole service support shall be the same size as that shown on the layouts sheet(s). Rigid metal conduit shall extend to the ridig metal elbow and then be coupled th the type conduit shown on the layout for that particular branch circuit. RMC shall have grounding bushings in enclosures.
8. If pole is painted, each separate painted piece shall have a bonding jumper attached to a drill and tapped. hole.
9. The traffic signal system neutral conductor shall be grounded at the service point only.
10. All bonding and grounding shall be made with the ground rods and the equipment grounding conductor.





CONNECTIONS AT POLE BASE



STEEL POLE SERVICE SUPPORT

7/20/01

Alan P. McNeil

STATE OF TEXAS
ALAN P. McNEIL
69951
REGISTERED PROFESSIONAL ENGINEER

SIGNAL DESIGN						
QUORUM - INWOOD CONNECTOR						
SERVICE POLE AND GROUNDING DETAILS						
DEPARTMENT OF PUBLIC WORKS						
TOWN OF ADDISON, TEXAS						
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NUMBER
P.G.W.	C.W.W.	2/00		AS BUILT		45