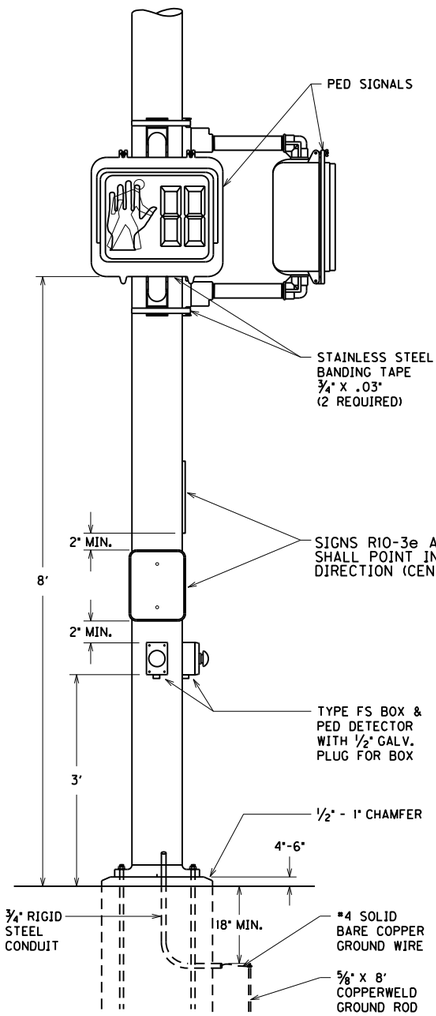
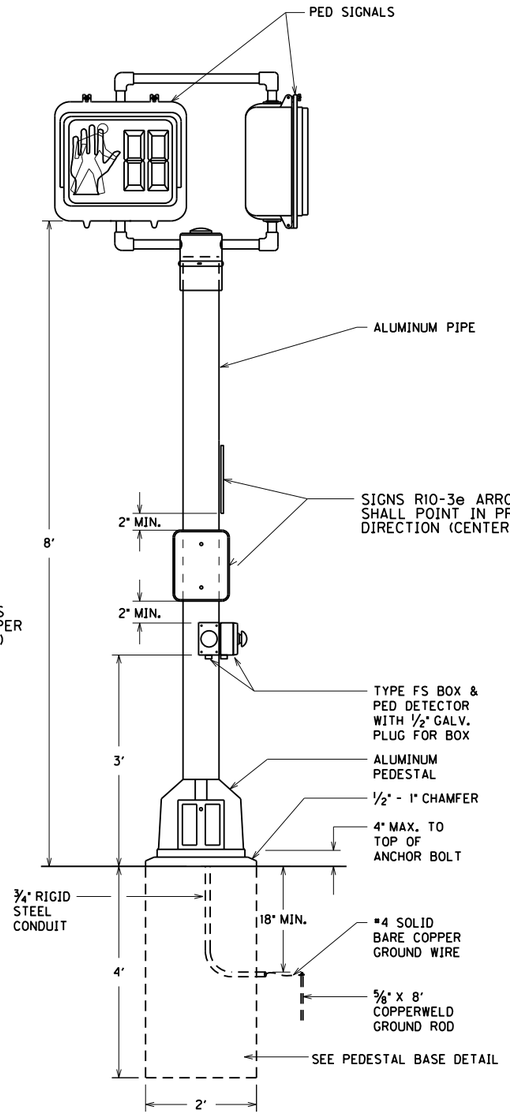
COUNTY OF	ITEM NO.	SHEET NO.

CONTRACTOR SHALL DRILL A HOLE IN THE STEEL STRAIN POLE AT ONE OF THE MOUNTING BRACKET LOCATIONS NOT EXCEEDING ½" IN DIAMETER. CONTRACTOR SHALL USE A ROUND FILE TO REMOVE ALL BURRS AND SHARP EDGES FROM THE HOLE. WIRES SHALL BE PROTECTED WITH HEAT SHRINK TUBING OR VINYL TAPE WHERE THEY PASS THROUGH THE HOLES.



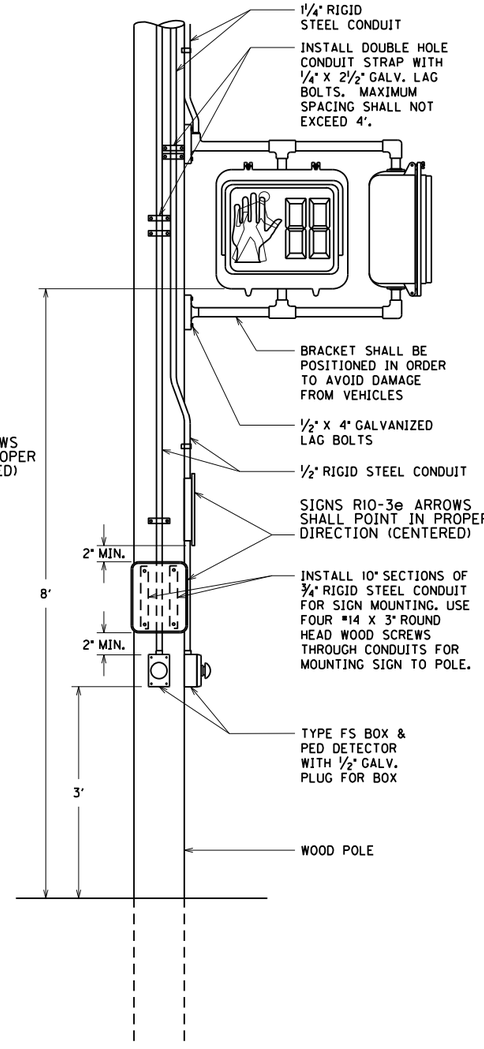
CONTRACTOR SHALL DRILL HOLES IN THE STEEL STRAIN POLE AND THE TYPE FS BOX NOT EXCEEDING 1/2" IN DIAMETER. CONTRACTOR SHALL USE A ROUND FILE TO REMOVE ALL BURRS AND SHARP EDGES FORM THE HOLES. WIRES SHALL BE PROTECTED WITH HEAT SHRINK TUBING OR VINYL TAPE WHERE THEY PASS THROUGH THE HOLES.

STEEL STRAIN POLE DETAIL FOR PED DETECTORS AND PED SIGNALS



CONTRACTOR SHALL DRILL HOLES IN THE PIPE AND THE TYPE FS BOX NOT EXCEEDING ½" IN DIAMETER. CONTRACTOR SHALL USE A ROUND FILE TO REMOVE ALL BURRS AND SHARP EDGES FROM THE HOLES. WIRES SHALL BE PROTECTED WITH HEAT SHRINK TUBING OR VINYL TAPE WHERE THEY PASS THROUGH THE HOLES.

PEDESTAL POLE DETAIL FOR PED DETECTORS AND PED SIGNALS



#9 X 1½" PAN HEAD OR ROUND HEAD WOOD SCREWS SHALL BE USED TO SECURE TYPE FS BOX TO POLE. A MINIMUM OF 2 SCREWS PER BOX, INSTALLED DIAGONALLY, SHALL BE USED.

WOOD POLE DETAIL FOR PED DETECTORS AND PED SIGNALS

NOTES:

ANCHOR BOLTS SHALL BE ASTM F 1554 GRADE 55. ANCHOR BOLTS AND ALL ASSOCIATED HARDWARE SHALL BE FULLY GALVANIZED PER ASTM A 153.

THE REINFORCEMENT AND ANCHOR BOLTS SHALL BE ADEQUATELY SUPPORTED IN THE PROPER POSITIONS SO NO MOVEMENT OCCURS DURING CONCRETE PLACEMENT.

WELDING OF ANCHOR BOLTS TO THE REINFORCING CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

CONTRACTOR SHALL USE HEAT SHRINK TAPE OR VINYL TAPE TO WRAP ALL WIRES WHERE THEY PASS THROUGH HOLES.

SPIRAL REINFORCEMENT MAY BE SUBSTITUTED FOR TIES. IF SPIRAL REINFORCEMENT IS USED, ONE AND ONE-HALF CLOSED COILS SHALL BE PROVIDED AT THE ENDS OF EACH SPIRAL UNIT. SPLICES FOR SPIRALS WHERE DESIRED BY THE CONTRACTOR SHALL BE MADE WITH A MINIMUM OF ONE AND ONE-HALF TURNS OF THE SPIRAL.

SUBSURFACE CONDITIONS CONSISTING OF VERY SOFT CLAY OR VERY LOOSE SATURATED SAND COULD RESULT IN SOIL PARAMETERS WEAKER THAN THOSE ASSUMED. RESIDENT ENGINEER SHALL CONSULT WITH THE GEOTECHNICAL BRANCH IF SUCH CONDITIONS ARE ENCOUNTERED.

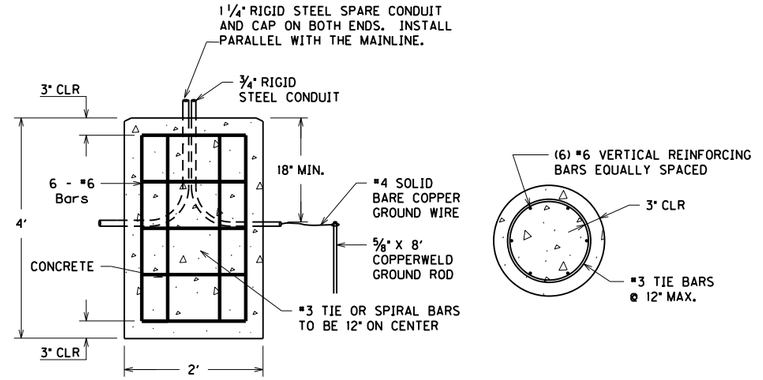
THE BOTTOM OF THE DRILLED HOLE SHALL BE FIRM AND THOROUGHLY CLEANED SO NO LOOSE OR COMPRESSIBLE MATERIALS ARE PRESENT AT THE TIME OF THE CONCRETE PLACEMENT.

IF THE DRILLED HOLE CONTAINS STANDING WATER, THE CONCRETE SHALL BE PLACED USING A TREMIE TO DISPLACE WATER. CONTINUOUS CONCRETE FLOW WILL BE REQUIRED TO INSURE FULL DISPLACEMENT OF ANY WATER.

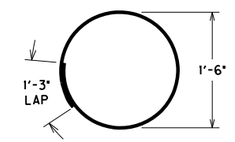
THE COST OF ALL MATERIALS & INSTALLATION SHALL BE INCLUDED IN THE UNIT BID PRICE.

CONCRETE: CLASS A
STEEL REINFORCEMENT: 60,000 PSI

EXPOSED PORTIONS OF THE FOUNDATION SHALL BE FORMED TO CREATE A SMOOTH FINISHED SURFACE. ALL FORMING SHALL BE REMOVED UPON COMPLETION OF FOUNDATION CONSTRUCTION.



PEDESTAL POLE BASE DETAIL



BENDING DETAIL FOR #3 TIE BARS

9/9/2011

PEDESTRIAN SIGNAL COUNTDOWN DETAIL