# ANTIQUE/SHOEBOX LIGHT & ASSOC. ITEMS SPECS. (LED)

**3.0 PHOTOELECTRIC CONTROL:**
THE PHOTOELECTRIC CELLS SHALL BE TWIST PLUG IN TYPE PRECISION BRAND TO MATCH FIXTURE OR CONTACTOR VOLTAGE.

**4.0 ELECTRICAL SERVICE EQUIPMENT:**
ELECTRICAL SERVICE EQUIPMENT SHALL INCLUDE, BUT NOT BE LIMITED TO; METERED SERVICE/DISCONNECT OR CONTACTOR ENCLOSURE. ALL ENCLOSURES HOUSING ELECTRICAL EQUIPMENT SHALL BE RAIN-TIGHT, INCLUDE A PADLOCK HANDLE, AND DESIGNED FOR OUTDOOR INSTALLATION IN ACCORDANCE WITH NEMA STANDARDS. THE LIGHTING INSTALLATIONS SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF THE NATIONAL ELECTRICAL SAFETY CODE AND NATIONAL ELECTRIC MANUFACTURERS ASSOCIATION SPECIFICATIONS. A STANDALONE, PEDESTAL TYPE COMBINATION METERED SERVICE/DISCONNECT/CONTACTOR CONTROL PANEL SHALL BE USED. THE PEDESTAL TYPE METER SERVICE MAY BE MOUNTED TO A CONCRETE PAD, ALTHOUGH A PRE CAST POLYMER PAD BASE IS RECOMMENDED. POWER REQUIREMENTS DESIRED SHOULD BE 120/240V OR 208/120V SINGLE PHASE. IF NOT AVAILABLE, AN OPTIONAL SERVICE VOLTAGE MAY BE ACCEPTABLE IF APPROVED BY CITY STAFF. EACH SERVICE POINT SHALL INCLUDE INDIVIDUAL CIRCUIT BREAKERS AND PHOTOCELL CONTROLLED CONTACTOR(S), AND A HOA SWITCH FOR CONTROL OF THE LIGHTING CIRCUIT(S). METER SERVICES SHALL REQUIRE A NO FEE ELECTRICAL PERMIT AND BE INSPECTED BY CITY OF WACO INSPECTION SERVICES. ELECTRIC METER, APPLICATION FOR SERVICE WILL BE MADE BY CITY STAFF. THE COLOR OF THE ELECTRICAL SERVICE EQUIPMENT SHALL BE MANUFACTURES STANDARD LIGHT OR MINT GREEN.

RECOMMENDED, ONCOR APPROVED, SERVICE PEDESTALS ARE MILBANK BRAND.

**5.0 WIRE:**
ALL ELECTRICAL WIRE SHALL BE STRANDED COPPER CONDUCTOR. EARTH GROUND SHALL BE STRANDED COPPER CONDUCTOR WITH GREEN INSULATION. ALL WIRE SHALL BE OF ADEQUATE SIZE TO ACCOMMODATE LIGHTING LOAD. ALL SPLICES SHALL BE MADE INSIDE THE POLE. MINIMUM CONDUCTOR SIZE SHALL BE 10 AWG.

**6.0 CONCRETE:**
SEE STANDARD DETAIL G-7 GENERAL CONCRETE AND REINFORCEMENT NOTES.

**7.0 FOUNDATION BASE**
ALL FOUNDATION BASES SHALL BE (24) TWENTY-FOUR INCHES IN DIAMETER. TOP OF BASES SHALL EXTEND (6) SIX INCHES ABOVE GRADE. TOP OF FOUNDATION SHALL HAVE A 1 IN. CHAMFER. STEEL REBAR SHALL BE USED TO FOR CONCRETE REINFORCEMENT THROUGHOUT THE ENTIRE BASE. ALL FOUNDATIONS SHALL HAVE A MINIMUM OF TWO 2 IN. PVC CONDUITS INSTALLED. FOUNDATION SHALL BE POSITIONED WITH OUTSIDE EDGE A MINIMUM OF 2 FT. FROM BACK OF CURB.

- FOR AREA LIGHTING POLES IN EXCESS OF (18) EIGHTEEN FEET IN HEIGHT, BASES SHALL EXTEND A MINIMUM OF (6) SIX FEET BELOW GRADE.
- FOR DECORATIVE POLES NOT TO EXCEED (18) EIGHTEEN FEET, BASES SHALL EXTEND A MINIMUM OF (3) THREE FEET BELOW GRADE.

EXCEPTION: FOR PARKING LOT INSTALLATIONS, ALL BASES SHALL BE (30) THIRTY INCHES IN DIAMETER AND EXTEND A MINIMUM OF (36) THIRTY-SIX INCHES ABOVE GRADE. BELOW GRADE SPECIFICATIONS SHALL REMAIN AS STATED ABOVE.

DISCLAIMER: THE USE OF THIS STANDARD IS GOVERNED BY THE "TEXAS ENGINEERING PRACTICE ACT". NO WARRANTY OF ANY KIND IS MADE BY THE CITY OF WACO FOR ANY PURPOSE WHATSOEVER. THE CITY OF WACO ASSUMES NO RESPONSIBILITY FOR THE CONVERSION OF THIS STANDARD TO OTHER FORMATS OR FOR INCORRECT RESULTS OR DAMAGES RESULTING FROM ITS USE.