ANTIQUE LIGHT & ASSOC. ITEMS SPECS. (LED)

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

3.0 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.

4.0 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.

5.0 ANCHOR BOLTS:
FOUR HIGH STRENGTH ½ IN. DIAMETER BY 18 IN. LENGTH STEEL ANCHOR BOLTS SHALL BE FURNISHED FOR EACH POLE. ANCHOR BOLTS SHALL BE FABRICATED FROM GOOD COMMERCIAL QUALITY HOT ROLLED CARBON STEEL BAR WITH MINIMUM YIELD STRENGTH OF 50,000 PSI. EACH ANCHOR BOLT SHALL BE THREADED AT THE TOP AND FITTED WITH DOUBLE NUTS AND WASHERS. THE OTHER END OF THE BOLT SHALL HAVE AN “L” BEND. ANCHOR BOLTS, ASSOCIATED HARDWARE, AND TEMPLATES SHALL BE GALVANIZED. ALL NECESSARY ANCHOR BOLTS, ASSOCIATED HARDWARE, AND TEMPLATES FOR SETTING ANCHOR BOLTS SHALL BE FURNISHED IMMEDIATELY AFTER AWARD OF THE CONTRACT, REGARDLESS OF DELIVERY SCHEDULES OF THE POLES.

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 FOUNDATION BASES SHALL EXTEND 2 IN. ABOVE ADJOINING TOP OF PAVED, CONCRETE, OR OTHER HARD SURFACES AND 4 IN. ABOVE ADJOINING GRADE OF GRASSED/VEGETATED AREAS. 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 ANTIQUE DECORATIVE POLES SPECIFIED IN T-2A , BASES SHALL EXTEND A MINIMUM OF (3) THREE FEET BELOW GRADE.

SEE T-2A & T-2C FOR ADDITIONAL DETAILS

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.

REVISIONS

NO.	COMMENTS	BY	DATE
##	DESCRIPTION	FL	MM/DD/YYYY

DATE 01/01/2024

T-2B