BASE OF STREET LIGHT POLE SET 3" BELOW GRADE

TOP OF BOLT TO BE 1.5" BELOW GRADE IN SIDEWALK AREAS. BOLTS SHALL HAVE 1.5" OF CONCRETE COVER IN LANDSCAPE AREAS. GROUT BASE AND BOLTS PRIOR TO POURING CAP.

CRASH CAP -- 4" MIN., 32" SQ. IN SIDEWALK AREAS, 36" SQ. IN LANDSCAPED AREAS. SLOPE CONCRETE AWAY FROM POLE IN LANDSCAPE AREAS.

2" CONDUIT & WIRING PER PLANS (TYP.)

(4) 1" X 36" ANCHOR BOLTS PER POLE PER POLE MANUFACTURER SPECIFICATIONS W/ (2) NUTS & WASHERS (ALL HARDWARE SHALL BE GALVANIZED);

(9) #6 VERTS DISTRIBUTED EVENLY AROUND PERIMETER (fy=60 ksi)

4500 PSI CONCRETE FOUNDATION

15# FELT (2 LAYERS)

GROUNDING PLATE PER NEC 250-83

2'-6" DIAMETER

BASE PLATES SHALL BE PER POLE MANUFACTURER SPECIFICATIONS

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FOUNDATION DEPTH

<table>
<thead>
<tr>
<th>POLE &amp; ARM CONFIGURATION</th>
<th>SAND/GRAVEL (ρ = 350, γ = 110pcf)</th>
<th>STIFF CLAY (C = 1.0)</th>
<th>MEDIUM CLAY (C = 0.65)</th>
<th>SOFT CLAY (C = 0.25)</th>
</tr>
</thead>
<tbody>
<tr>
<td>21&quot; TALL WITH 1 OR 2 ARMS UP TO 10' EACH</td>
<td>5'-3&quot;</td>
<td>6'-6&quot;</td>
<td>7'-4&quot;</td>
<td>9'-6&quot;</td>
</tr>
<tr>
<td>26&quot; TALL WITH 1 ARM UP TO 12'</td>
<td>5'-9&quot;</td>
<td>6'-9&quot;</td>
<td>7'-8&quot;</td>
<td>8'-6&quot;</td>
</tr>
<tr>
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<td>7'-3&quot;</td>
<td>8'-4&quot;</td>
<td>10'-0&quot;</td>
</tr>
</tbody>
</table>

NOTES:
1. C = COHESION MEASURED IN KIPS PER SQUARE FOOT.
2. CONTRACTOR SHALL DETERMINE SOIL TYPE BY TAKING UNDISTURBED SAMPLES AS REQUIRED BY THE CITY ENGINEER.
3. ANALYSIS BY PROFESSIONAL STRUCTURAL ENGINEER ON FILE WITH CITY ENGINEER.

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AGENCY APPROVED

UNIFORM STANDARD DRAWINGS
CLARK COUNTY AREA

CITY OF LAS VEGAS
STREET LIGHT POLE FOUNDATION
FOR DOWNTOWN CENTENNIAL AND TOWN CENTER AREAS

DATE XX-XX-XX  DWG. NO. 343