**GENERAL NOTES**

1. THE TOP 12" OF SUBGRADE BENEATH THE SLAB SHALL BE THOROUGHLY COMPACTED TO 90% OF MAXIMUM DENSITY PER ASTM D6961. IF TOP 36" OF SUBGRADE IS SUBJECT TO HIGH WATER TABLE OR PERIODIC SATURATION, COMPACT SLAB TO 90% PER ASTM D3039 AND D1556. NO FROZEN BACKFILL SHALL BE USED.

2. SLAB TO BE MADE OF SG-6 CONCRETE WITH A MINIMUM 28 DAY STRENGTH OF 3,500 PSI.

3. TOP OF PAD TO BE SMOOTH, LEVEL, AND CLEARED OF ALL FRAMING MATERIAL AFTER CONCRETE SETS.

4. NO WALLS SHALL BE BUILT AROUND TRANSFORMER, NOR CANOPIES ABOVE TRANSFORMER.

5. ALL CONDUIT ENTERING SLAB TO BE VERTICAL AND AT A 90° ANGLE WITH TOP OF SLAB. STUB ALL CONDUITS 1" ABOVE TOP OF CONCRETE PAD, PROVIDE ALL SPARE CONDUITS WITH PULLSTRINGS AND PLASTIC CAPS.

6. COORDINATE WITH UTILITIES TO ALLOW ANY AND ALL INSPECTIONS BEFORE, DURING, AND AFTER CONSTRUCTION OF PAD.

7. PAD SHALL BE LOCATED A MINIMUM OF 3' FROM ANY GAS METERS AND A MINIMUM OF 10' FROM ANY FUEL TANK.

8. LOCATE PAD A MINIMUM OF 12" ABOVE THE 100 YEAR FLOOD PLAIN.

**KEY NOTES**

1. DUCTS ARE NOT TO BE INSTALLED IN CONCRETE WITHIN THE DUCT SLOT.

2. LOCATION AND DIMENSIONS OF DUCT SLOT AND CONDUITS WITHIN SLOT MUST BE MAINTAINED IN RELATION TO OVERALL SLAB DIMENSIONS.

3. FINAL GRADE AROUND PAD TO SLOPE AWAY FROM TRANSFORMER PAD (ALL SIDES) AND FROM THE ADJACENT BUILDING EXTERIOR WALLS.

4. INSTALL CONDUITS IN DUCT SLOT TIGHT TO BACK OF DUCT SLOT AS MUCH AS POSSIBLE TO ALLOW SPACE FOR FUTURE DUCT INSTALLATION.

5. 5/8" X 8" COPPER CLAD GROUND BAR, STUB 8" ABOVE TOP OF CONCRETE PAD.

6. CONCRETE BOLLARDS WILL BE REQUIRED IF PAD IS WITHIN 5' OF AN AREA SUBJECT TO VEHICULAR TRAFFIC.

7. 1-1/2" SPARE CONDUIT FOR METER CABLES, EXTEND INTO BUILDING PER UNL DIRECTION.

8. PROVIDE THE NUMBER OF LAYERS OF REBAR AND STEEL MESH PER TABLE A ON THIS SHEET.

9. PROVIDE CONDUITS WITH MINIMUM 36" RADIUS SWEEPS. QUANTITY & SIZES OF CONDUITS PER PROJECT REQUIREMENTS.

10. A MINIMUM OF 10' SHALL BE MAINTAINED BETWEEN PAD AND BUILDING EXTERIOR WALL. WHERE WALL IS MADE OF COMBUSTIBLE MATERIAL, PROVIDE 12" MINIMUM CLEARANCE BETWEEN PAD AND BUILDING.

11. TRANSFORMERS BELOW WINDOWS SHALL HAVE A MINIMUM 15' VERTICAL DISTANCE BETWEEN TOP OF TRANSFORMER AND BOTTOM OF WINDOW.

**TABLE A**

<table>
<thead>
<tr>
<th>TRANSFORMER RATING</th>
<th>PAD FOOTPRINT (NOTE 1)</th>
<th>PAD THICKNESS</th>
<th>PAD REINFORCING (NOTE 2)</th>
<th>PERI QUANTITY &amp; POSITIONS (NOTE 3)</th>
<th>PERI DIAMETER</th>
<th>PRIMARY &amp; SECONDARY SLEEVE</th>
<th>OVERALL SLEEVE POSITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1500 - 2500 kVA</td>
<td>110' x 110'</td>
<td>12' NOM.</td>
<td>(2) LAYERS #6 X6 MESH (TOP), (2) LAYERS #4 REBAR (2 WAYS) + PERI REBARS</td>
<td>4 PIERS @ 19&quot; FROM SIDES, 24&quot; BETWEEN PIERS &amp; 19&quot; FROM BACK OF PAD</td>
<td>1-8&quot;</td>
<td>POSITION SLEEVE CENTERED &amp; 2&quot; INSIDE OF TRANSFORMER CONDUIT WINDOW ALL SIDES, EXACT WINDOW WIDTH &amp; DEPTH SPECIFIC TO PROJECT REQUIREMENTS</td>
<td></td>
</tr>
<tr>
<td>&lt; 1500 kVA</td>
<td>90' x 90'</td>
<td>8' NOM.</td>
<td>(1) LAYER #6 X6 MESH (TOP), (1) LAYER #4 REBAR (2 WAYS) + PERI REBARS</td>
<td>4 PIERS @ 18&quot; FROM SIDES, 27&quot; BETWEEN PIERS &amp; 19&quot; FROM BACK OF PAD</td>
<td>1-0&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TABLE A NOTES:**

1. PAD FOOTPRINT PROVIDED GENERIC AND FOR BIDDING PURPOSES ONLY, FINAL PAD FOOTPRINT PER PROJECT TRANSFORMER REQUIREMENTS.

2. LAYER REINFORCING (FROM TOP TO BOTTOM) AS: MESH (TOP), REBAR (BOTTOM), MULTIPLE LAYERS OF REINFORCING AS REQUIRED HEREIN.

3. VERIFY PRIOR TO CONCRETE POUR THAT THE BOTTOM AREA OF THE FORM IS FLAT & FREE OF LOOSE DEBRIS AND LOOSE SOILS.

4. IN ALL CASES TRANSFORMER PAD SHALL EXTEND A 6" BEYOND EDGE OF TRANSFORMER ON ALL SIDES, THIS DISTANCE IS TO BE MEASURED FROM THE FURTHEST PROTRUDING PORTION OF THE TRANSFORMER ON ANY GIVEN SIDE.