



- NOTES**
- (1) No concrete in trough area.
  - (2) Bring conduit up flush with pad.
  - (3) Guard Posts are required in traffic areas.
  - (4) Concrete pad shall be 3000 psi concrete, level within  $\pm 1/4"$  in 5' straight edge.
  - (5) Existing grade and back fill under concrete pad shall be compacted to 95% in accordance with ASTM D1557.
  - (6) If the primary cable is direct buried contact engineer for secondary duct orientation prior to installation.
  - (7) All stub outs must extend a minimum of 5' from edge of pad.
  - (8) For PNM direct buried primary system, customer shall install PVC elbows and PVC stub outs.
  - (9) For PNM primary duct system other than CIC, customer shall install rigid elbows and threaded rigid stub outs or concrete encased rigid elbows with concrete encased rigid PVC stub outs. Schedule 40 PVC may be used without concrete encasement provided customer installs a 10' length minimum rigid galvanized IMC duct at each vertical 45° or 90° elbow. Red warning tape shall be placed 12" above any PVC that is not concrete encased.
  - (10) Customer shall include a polyethylene pull string with a minimum breaking strength of 210 lbs in completed ducts for future use by PNM.
  - (11) All secondary cables must be tagged with phase and address for tracing reasons. The secondary cables shall be marked no more than 12" above the ducts.
  - (12) Pad to be 1' thick if poured in place otherwise use 0100005825 for pre-engineered pad.
  - (13) Minimum of 1'10" x 14" to be maintained for secondary duct area to allow up to 8-4" secondary ducts.

**REFERENCES**

- (1) See DS-7-16.8 Page 1 and 2 Transformer and Switchgear Pad Foundation Preparation and Inspection
- (2) See DS-7-16.10 Guard Post
- (3) See DS-7-16.12 Minimum Working Space and Fire Safety Requirements for Transformers