GROUNDING KEY NOTES:

1. Neutral conductor size to match phase conductors minimum. Refer to floor plans and one-liners for additional information.

2. Equipment grounding conductor size based on National Electrical Code current protection device size and Table 250-112. Refer to floor plans for additional information.

3. Grounding electrode conductor size based on phase conductors for NEC Table 250-112. Minimum of 1/0 AWG. Refer to floor plans for additional information.

4. Telecommunication rooms main ground busbar grounding conductor shall be minimum 4/0 AWG. Refer to owner’s telecom drawings for additional information.

5. Transformer ground rod shall consist of minimum 1/2" bare copper conductor buried minimum 12" from edge of transformer foundation and 15-24" below final grade. Provide minimum of two (2) 10-600 1/4" copper clad ground rods driven at opposite corners. Provide adequate grounding wire for bolted connection to transformer frame ground. Provide extended sleeves of ground rod to ground rod and grounding wire to ring. Do not connect to building service ground.

6. Provide weather protection on all ground cable connections at the bus bar and atop with wire ties.

GENERAL NOTES:

1. A grounding jumper shall be provided around the water or gas meter and backflow preventer.

2. PVC conduit is the preferred method of protection for the grounding conductors. Discuss with PSU Engineering services for any deviations.

GROUND ROD ACCESS WELL DETAIL

REVISION: 1.1

PSU OPP. STANDARD DETAIL

REV. 1.1

TITLE: TYPICAL GROUNDING DETAILS

DETAIL #: 200526-D01

SCALE: NONE

PAGE #: 1

DATE: 02/01/2014

DATE: 10/20/2014