GENERAL NOTES— ELECTRICAL DUCTBANK WORK

1. All new underground ductbank and manhole work shall be performed by the contractor unless otherwise noted. The contractor shall provide all ductbanks from new manholes to a location within five feet of the entrance into existing manholes. PSU will provide all conduit and ductbank extensions into the existing manholes. Contractor shall provide all extensions into the new manholes.

2. All new conduits shall include pull strands, furnished and installed by electrical contractor.

3. All new ductbanks shall consist of concrete encased PVC Type E60 conduits, sizes and quantities as indicated. Refer to details.

4. Ductbanks shall be installed to slope toward manholes and not entrances into buildings. Valleys in conduit system are not acceptable.

5. Provide reinforcement in ductbank where under roadways, parking lots, and sidewalks. Reinforcement not required under grass areas. Provide reinforcement in ductbank at manhole entries where indicated.

6. All conductors, cable and wiring associated with new ductbanks will be furnished and installed by PSU.

7. Coordinate ductbank routing in-field with existing site features and underground utilities. G.C. shall coordinate routes adjacent to existing trees with owner. Refer to specifications for excavation requirements adjacent to trees.

8. Coordinate approach of entries into manholes with PSU. Existing manholes to receive new conduits contain rebar, Barri-Vale type, with a minimum of two 12" reinforcing bars at 1200 mm spacing. All such work must be coordinated with physical plant personnel.

9. All new ductbanks shall be installed a minimum of 36" below finished grade to top of conduit.

10. Ductbank entrances into manholes shall enter to avoid placement of conduits directly below or adjacent to the manhole cover.

11. It is the responsibility of the professional to conform to NEC 310.46 (46) and to comply with PSU engineering services regarding depth of ductbanks.

12. Premanufactured conduit chart supports shall be utilized for both reinforced and non-reinforced concrete ductbanks, and shall be spaced per the manufacturer’s recommendations.

NOTES:

adoo Concrete bleeding outside of excavation. Ductbank must be formed if wall adjacent to pour extends beyond the "max. dimension of ductbank.

Once ductbank floors are poured, after installation of conduit and prior to final concrete pour, inspection and sign-off by university representative is required.