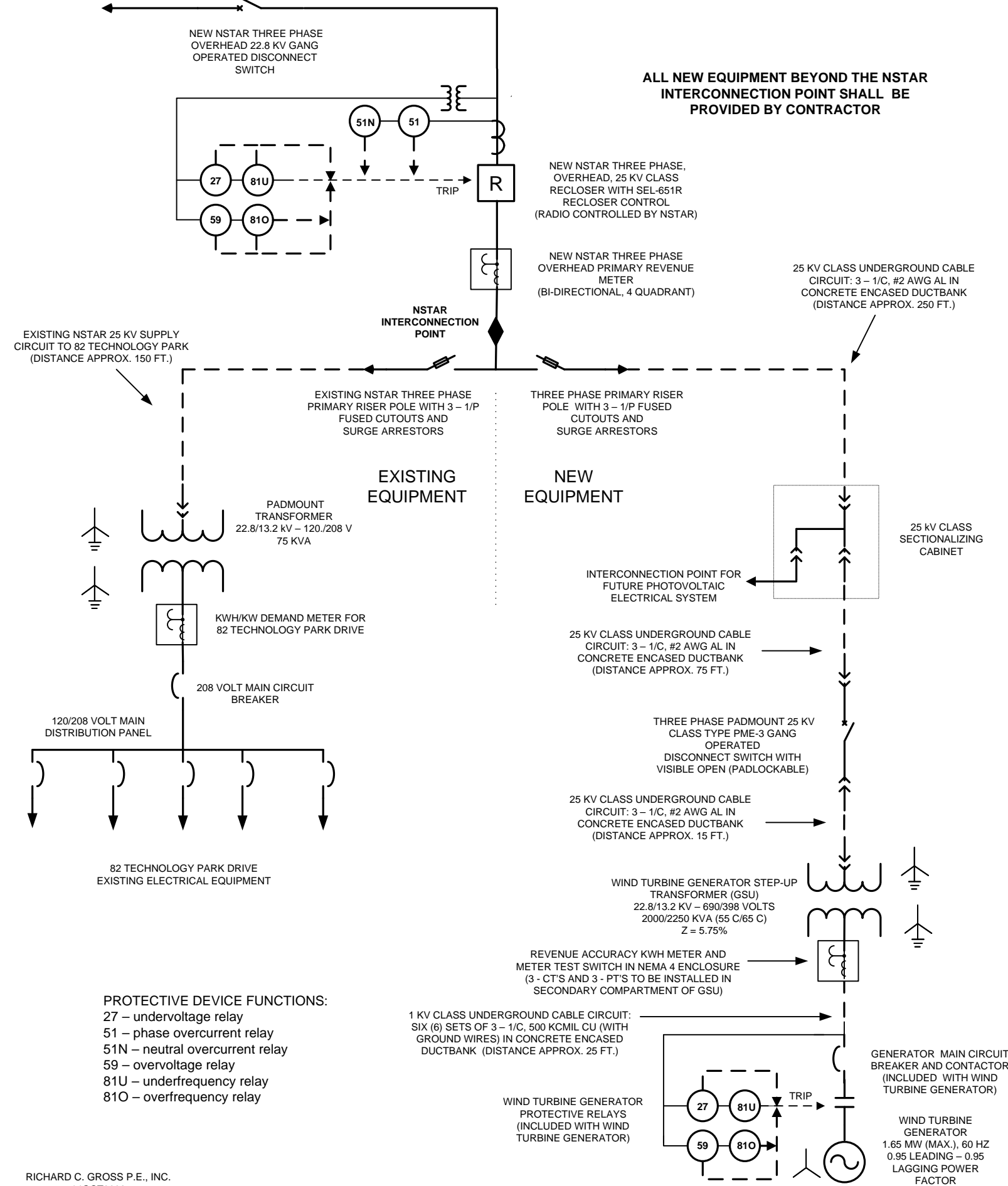


WIND TURBINE GENERATOR ELECTRICAL INTERCONNECTION CONCEPTUAL ONE LINE DIAGRAM

EXISTING NSTAR 22.8 kV
OVERHEAD DISTRIBUTION
CIRCUIT #98A ON
TECHNOLOGY PARK DRIVE



PROTECTIVE DEVICE FUNCTIONS:
 27 – undervoltage relay
 51 – phase overcurrent relay
 51N – neutral overcurrent relay
 59 – overvoltage relay
 81U – underfrequency relay
 81O – overfrequency relay

1 KV CLASS UNDERGROUND CABLE CIRCUIT:
 SIX (6) SETS OF 3 – 1/C, 500 KCMIL CU (WITH
 GROUND WIRES) IN CONCRETE ENCASED
 DUCTBANK (DISTANCE APPROX. 25 FT.)