



**SITE PLAN - POWER**

SCALE: 1"=40'-0"

- SPECIFIC NOTES: THIS SHEET:**
- ① EXISTING 15KV POWER POLE.
  - ② EXISTING 15KV POWER POLE. ADD NEW BRACKETS FOR NEW OVERHEAD CONDUCTORS ROUTED TO NEW TERMINAL POLE.
  - ③ NEW 3-PHASE OVERHEAD CONDUCTORS, #2 AWG ACSR MOUNTED ON 25KV INSULATORS PER STENNIS STANDARDS, WITH STATIC LINE AT TOP.
  - ④ NEW WOOD TERMINAL POLE, MATCHING EXISTING WOOD POLES ON LOWER GAINESVILLE ROAD. INSTALL FUSED CUT-OUTS (20A) AND LIGHTNING ARRESTORS. PROVIDE 2-4" GRS RISERS, WITH 1-4" C CONTAINING 3-#1/0 AWG, TYPE MV-105, 15 KV CONDUCTORS, 133% INSULATION, AND TYPE EPR JACKET. TERMINATE TO LOAD SIDE OF FUSED CUT-OUTS.
  - ⑤ 2-4" C CONCRETE ENCASED: 3-#1/0 AWG, TYPE MV-105, 15 KV CONDUCTORS, 133% INSULATION, AND TYPE EPR JACKET IN 1-4" C WITH 1-4" C SPARE.
  - ⑥ INSTALL IDENTIFICATION MARKER PER STENNIS STANDARD AT TURN IN DUCTBANK.
  - ⑦ CONCRETE MANHOLE, 6'X8', WITH H2O CAST IRON COVER MARKED HIGH VOLTAGE. LOOP CONDUCTORS IN MANHOLE ON RACKING HARDWARE.
  - ⑧ 300 KVA PAD-MOUNT TRANSFORMER. TURN UP CONDUITS INTO HV COMPARTMENT. SEE DETAIL SHEET EI.5 FOR FURTHER INFORMATION.
  - ⑨ 11"X18" PULLBOX, OPEN BOTTOM, POLYMER CONCRETE, HEAVY DUTY COVER MARKED ELECTRIC. QUAZITE PC1118BA18 WITH PC1118HA0017 COVER.
  - ⑩ 1" C: 4-#8 AWG AND 1-#10 GRD.
  - ⑪ 3/4" C: 2-#10 AWG AND 1-#10 GRD. PROVIDE FINAL CONNECTION TO MOTOR CONTROLLER.
  - ⑫ 3/4" C: 2-#10 AWG AND 1-#10 GRD. PROVIDE FINAL CONNECTION TO PEDESTRIAN GATE POWER SUPPLY AND WETHERPROOF GFCI RECEPTACLES.
  - ⑬ 1" C: 3-#8 AWG AND 1-#10 GRD.
  - ⑭ 1" C: 3-#10 AWG AND 1-#10 GRD. PROVIDE FINAL CONNECTIONS TO LIFT STATION MOTOR CONTROLLER WITH INTEGRAL DISCONNECT.
  - ⑮ 3/4" C: 2-#12 AWG AND 1-#12 GRD. PROVIDE FINAL CONNECTION TO BACKFLOW PREVENTER ENCLOSURE STRIP HEATER. PROVIDE DISCONNECTING MEANS AS NECESSARY.

THESE PLANS AND SPECIFICATIONS HAVE BEEN PREPARED BY OR UNDER OUR DIRECT SUPERVISION AND TO OUR KNOWLEDGE THEY COMPLY WITH ALL REGULATORY REQUIREMENTS. WE ARE NOT GENERALLY ADMINISTERING THE WORK.

SCHLARLY ENGINEERING LLC

9-4-09

PER: *[Signature]*

REG. # 27699

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST NAVAL AIR STATION JACKSONVILLE MISSISSIPPI JOHN C. STENNIS SPACE CENTER <b>SOF RIVERINE AND COMBATANT CRAFT OPERATIONS FACILITY</b> SITE PLAN - POWER		NAVAL FACILITIES ENGINEERING COMMAND NAVAL AIR STATION JACKSONVILLE MISSISSIPPI JOHN C. STENNIS SPACE CENTER MISSISSIPPI		REG. NO. 27699 M. KIMBALL SCHLARLY PROFESSIONAL ENGINEER IN ELECTRICAL ENGINEERING		ENGINEERING LLC 121 SOUTH GENOIS STREET NEW ORLEANS, LA 70119 PH: 504-885-4347 FAX: 504-885-7983 M. KIMBALL SCHLARLY, P.E. LA REG. 27699		DATE: _____ APPR: _____ DESCRIPTION: _____ 5M
CODE ID NO. N4412 SIZE 0 SCALE 1" = 40'-0" DRAWING NO. ##### STA. PROJ. NO. P-210 WORK ORDER NO. 510247 CONSTR. CONTR. NO. N62467-05-D-0096 NAFAC DRAWING NO. 15026754 SHEET 107 OF 132	THESE PLANS AND SPECIFICATIONS HAVE BEEN PREPARED BY OR UNDER OUR DIRECT SUPERVISION AND TO OUR KNOWLEDGE THEY COMPLY WITH ALL REGULATORY REQUIREMENTS. WE ARE NOT GENERALLY ADMINISTERING THE WORK. SCHLARLY ENGINEERING LLC 9-4-09 PER: <i>[Signature]</i> REG. # 27699							