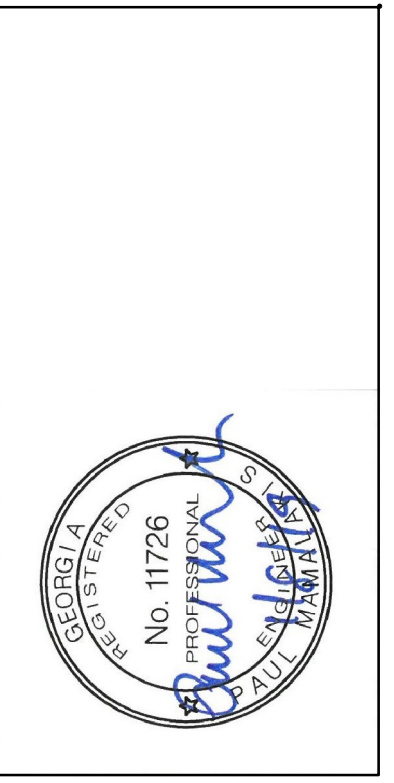


- NOTES:**
1. PROVIDE VFD FOR HIGH TORQUE APPLICATION. COORDINATE WITH MOTOR PROVIDED.
 2. CONNECT TO SHUNT TRIP IN MAIN BREAKER IF UNIT PARALLELS TOO LONG. COORDINATE WITH GA POWER.
 3. PROVIDE COMBINATION VFD WITH RVSS BYPASS STARTER. PROVIDE DV/DT FILTERS ON OUTPUT. VFDs FOR EFFLUENT DRIVES TO BE 18 PULSE DESIGN.
 4. PROVIDE NEMA SIZE 0, COMBINATION STARTER IN NEMA 4X ENCLOSURE. ON-OFF SWITCH AND 120V FUSED CPT. PROVIDE 2 NO/NC CONTACTS.
 5. TRANSFORMER TO BE NON-VENTILATED, FLOOR MTD, STAINLESS STEEL ENCLOSURE RATED 480V PRIM, 3PH, 208Y/120V SEC.
 6. PROVIDE SINGLE PHASE MINI-POWER CENTER WITH INTEGRAL MAIN BREAKER, DT TRANSFORMER AND PANEL. SEE SCHEDULE FOR PANEL. PROVIDE NEMA 3R STAINLESS STEEL ENCLOSURE. EXTEND GROUND TO COUNTERPOISE SYSTEM.
 7. EXTEND SERVICE EQUIPMENT GROUND CONDUCTOR TO COUNTERPOISE, CONCRETE ENCASED ELECTRODE AND WATER SERVICE.
 8. PROVIDE RED N.O. MOMENTARY PUSHBUTTON TO OPERATE SHUNT TRIP DEVICE IN EMERGENCY SWITCH GEAR. PROVIDE ENGRAVED LABEL "SERVICE NO. 3 DISCONNECT - EMERGENCY POWER".
 9. PANELS PROVIDED WITH GENERATOR. SEE SPEC 263213.
 10. ALL BREAKERS IN GENERATOR SWITCHBOARD AND WHERE SHOWN TO BE POWER BREAKERS WITH LONG TERM, GROUND FAULT SHORT TERM AND INSTANTEOUS TRIP.
 11. PROVIDE TEST SWITCH WITH INDICATOR TO ALLOW LOWER ARC-FAULT DURING SCHEDULED MAINTAINANCE FOR THESE BREAKERS.
 12. PROVIDE DRAWOUT BREAKER WITH SHUNT TRIP. MAX DIMENSIONS 72" W X 48" D. FRONT AND SIDE ACCESS ONLY.
 13. PROVIDE SHUNT TRIP RESET SWITCH INDICATOR LIGHT AND SIGNAGE AS REQUIRED BY GA. POWER. SEE SPEC 263213.
 14. GENERATOR SWITCHBOARD TO CONSIST OF 6 SECTIONS. LOCATE TWO 4000A TYPE A BREAKERS IN SECTIONS 1 AND 6. TWO GENERATOR BREAKERS IN SECTIONS 2 AND 5. AND TO FEEDER BREAKERS IN SECTIONS 3 AND 4. BUS IN SECTIONS 1, 2, 5 AND 6 TO BE 4000A. PROVIDE 6000A FOR SECTIONS 3 AND 4.
 15. EXTEND 4 - 1" C FROM EACH GENERATOR TO SWITCHGEAR FOR INTERFACE CONTROLS.

1 ONE-LINE DIAGRAM
E0.4 SCALE: NOT TO SCALE



NO.	ADDENDUM NO. 4	ISSUED FOR BID	DATE	BY
1			05-09-2009	

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TRAVIS FIELD WATER RECLAMATION FACILITY
ONE-LINE DIAGRAM

JOB NO:	J-26963.0000
DATE:	JANUARY 15, 2019
DRAWN:	LC
DESIGNED:	PM
REVIEWED:	PM
APPROVED:	PM
SCALE:	N.T.S.

E0.4