

GRW PROJECT NO. 3827-03

CLIENT PROJECT NO. 910069

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LOBELVILLE TENNESSEE
WATER TREATMENT PLANT
WATER LINE INTERCONNECTION
CITY OF LOBELVILLE, TENNESSEE

DATE:					
OCTOBER 2010					
SCALE:					
NTS					
SHEET NO.					
E-1					



- GENERAL PLAN NOTES:
1. VERIFY AND COORDINATE EXACT ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT WITH MANUFACTURER'S RECOMMENDATIONS AND LOCAL CODES PRIOR TO INSTALLATION OF EQUIPMENT. MAINTAIN ALL NEC REQUIRED WORKING CLEARANCES.
 2. EXISTING CONDITIONS SHOWN ON THIS DRAWING ARE TAKEN FROM ORIGINAL DRAWINGS AND FIELD INVESTIGATION. ALL EXISTING CONDITIONS MUST BE VERIFIED PRIOR TO BID TO DETERMINE ALL EXISTING DEMOLITION AND REWORK. FIELD CONDITIONS SHALL GOVERN. THE PLANS ARE NOT INCLUSIVE OF ALL ELECTRICAL DEVICES WITHIN THE PROJECT AREA. IT IS INTENDED TO PROVIDE THE CONTRACTOR WITH A GENERAL KNOWLEDGE OF THE EXISTING CONDITIONS WITHIN THE PROJECT AREA. ANY DISCREPANCIES OR CONDITIONS NOT SHOWN ON THIS PLAN SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED DEMOLITION AND REWORK WHETHER SHOWN ON THE PLANS OR NOT.
 3. PROJECT SCOPE INVOLVES INTERCEPTING EXISTING ELECTRICAL SERVICE TO ACCOMMODATE A NEW SERVICE ENTRANCE RATED CIRCUIT BREAKER, A NEW TRANSFER SWITCH, AND A NEW GENERATOR. COORDINATE ELECTRICAL SERVICE REQUIREMENTS AND DOWN TIME WITH UTILITY PROVIDER.
 4. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

- PLAN NOTES:
- 1) INTERCEPT EXISTING SERVICE ENTRANCE CONDUCTORS TO CONNECT TO NEW SERVICE ENTRANCE RATED CIRCUIT BREAKER ENCLOSURE. NEW CIRCUIT BREAKER ENCLOSURE SHALL BE RATED FOR EXTERIOR USAGE. VERIFY IF EXISTING SERVICE CONDUCTORS ARE ADEQUATE FOR 600A LOAD. REUSE EXISTING SERVICE CONDUCTORS WHERE POSSIBLE.
 - 2) PROVIDE NEW 600A SERVICE ENTRANCE RATED CIRCUIT BREAKER. REFER TO SITE PLAN FOR PROPOSED LOCATION. COORDINATE EXACT LOCATION WITH SITE REQUIREMENTS AND ELECTRICAL SERVICE AND RELOCATE AS NECESSARY MAINTAINING APPROPRIATE NEC WORKING CLEARANCE.
 - 3) PROVIDE NEW 600A RATED AUTOMATIC TRANSFER SWITCH. REFER TO FLOOR PLAN FOR PROPOSED LOCATION. COORDINATE EXACT LOCATION WITH FIELD CONDITIONS AND RELOCATE AS NECESSARY MAINTAINING APPROPRIATE NEC WORKING CLEARANCE.
 - 4) DEMOLISH EXISTING SERVICE CONDUCTORS, EXISTING BREAKER IN MCC PANEL, AND EXISTING WIRE IN EXISTING WIRING. EXISTING CONDUCTORS SHALL BE REUSED WHERE POSSIBLE. EXISTING CIRCUIT BREAKER IN EXISTING MCC PANEL SHALL EITHER BE DEMOLISHED AND REMOVED OR DEMOLISHED AND LEFT IN PLACE AT THE OWNER'S DISCRETION.
 - 5) PROVIDE NEW GENERATOR WITH WEATHER PROOF ENCLOSURE AND CIRCUIT BREAKER SIZED AS INDICATED. USE EXISTING 20A SPARE CIRCUIT BREAKERS OR PROVIDE NEW 20A CIRCUIT BREAKERS IN EXISTING PANELBOARDS (COORDINATE WHICH PANEL TO USE WITH OWNER PREFERENCE) FOR NEW GENERATOR WATER JACKET HEATER, BATTERY CHARGER, AND BATTERY WARMER USING SEPARATE CIRCUITS. PROVIDE A CIRCUIT TO THE GENERATOR FOR ANY LIGHTS AND RECEPTABLES MOUNTED TO THE GENERATOR ENCLOSURE. PROVIDE 3/4" CONDUIT TO NEW TRANSFER SWITCH FOR COMMUNICATION WIRING. COORDINATE ALL REQUIREMENTS WITH GENERATOR AND TRANSFER SWITCH MANUFACTURER. REFER TO SITE PLAN FOR PROPOSED GENERATOR LOCATION. COORDINATE EXACT LOCATION OF THE GENERATOR WITH OWNER PREFERENCES AND MANUFACTURER'S RECOMMENDATIONS AND RELOCATE AS NECESSARY. PROVIDE 3/4" CONDUIT FOR GENERATOR ALARM PANEL AND COORDINATE EXACT LOCATION WITH OWNER'S PREFERENCE. PROVIDE GENERATOR WITH HOUSEKEEPING PAD AND COORDINATE REQUIREMENTS WITH GENERATOR MANUFACTURER.
 - 6) PROPOSED ROUTING FROM GENERATOR TO NEW AUTOMATIC TRANSFER SWITCH. COORDINATE EXACT ROUTING WITH FIELD CONDITIONS.
 - 7) PROPOSED ROUTING TO NATURAL GAS LINE. COORDINATE EXACT REQUIREMENTS WITH NATURAL GAS UTILITY PROVIDER.



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