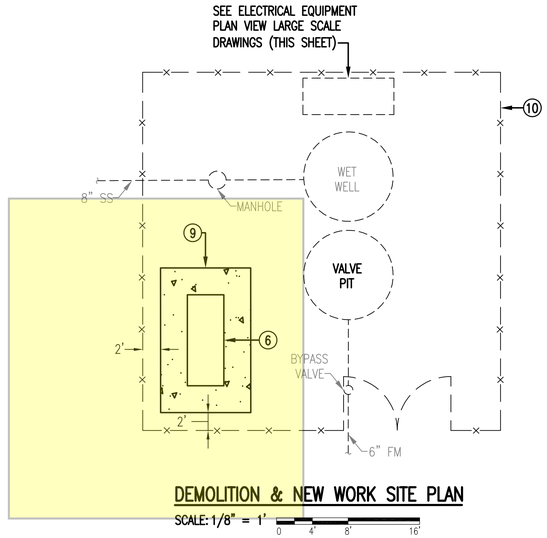


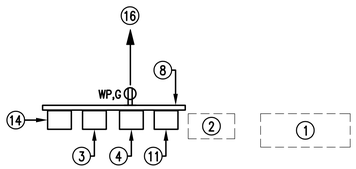
DEMOLITION & NEW WORK SITE PLAN

SCALE: 1/8" = 1'

0 4' 8' 16'

DEMOLITION ELECTRICAL EQUIPMENT PLAN VIEW

SCALE: 1/4" = 1'

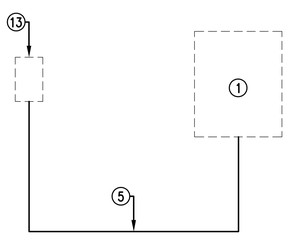


NEW WORK ELECTRICAL EQUIPMENT PLAN VIEW

SCALE: 1/4" = 1'

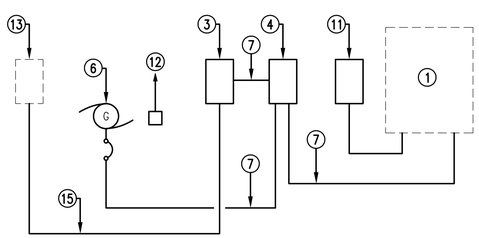
EXISTING CONDITION PHOTO 1

SCALE: NONE



DEMOLITION ELECTRICAL RISER

SCALE: NONE



NEW WORK ELECTRICAL RISER

SCALE: NONE

NOTES:

(#) (THIS SHEET ONLY)

1. EXISTING 480V, 175A PUMP STATION CONTROL PANEL TO REMAIN. DISCONNECT AND ABANDON IN PLACE EXISTING 5 KVA INTERNAL CONTROL TRANSFORMER. PROVIDE 2#12, #12G; 1/2"C. FROM EXISTING 15A/2P BREAKER (ABANDONED TRANSFORMER PRIMARY) TO NEW MINI-POWER ZONE. PROVIDE 3#8, #10G; 1"C. FROM MINI-POWER ZONE TO EXISTING 40A/2P BREAKER IN PUMP CONTROL PANEL.
2. EXISTING SCADA CONTROLS TO REMAIN. PROVIDE 3/4"C. AND CONDUCTORS AS REQUIRED TO CONNECT GENERATOR GENERAL ALARM TO EXISTING SCADA CONTROLS.
3. NEW 175A/3P ENCLOSED CIRCUIT BREAKER SERVICE DISCONNECT IN NEMA 4X STAINLESS STEEL ENCLOSURE. PROVIDE #6 GROUNDING CONDUCTOR TO (3) 3/4" DIAMETER X 10' GROUND RODS NOT LESS THAN 10' APART.
4. NEW 480V, 175A AUTOMATIC TRANSFER SWITCH IN WEATHERPROOF STAINLESS STEEL ENCLOSURE. PROVIDE 3/4"C. AND CONDUCTORS AS REQUIRED FOR START/STOP SIGNAL TO GENERATOR.
5. EXISTING 4#1/0; 2 1/2"C. TO DISCONNECT SWITCH ON POWER POLE OUTSIDE OF FENCE TO BE REMOVED.
6. NEW PAD-MOUNTED NATURAL GAS GENERATOR. SEE SPECIFICATION 16310 PARAGRAPH 1.5 FOR SIZE AND VOLTAGE. CITY OF DUBLIN IS RESPONSIBLE FOR ALL NATURAL GAS WORK. PROVIDE GENERATOR WITH A 175A/3P OUTPUT CIRCUIT BREAKER.
7. NEW 4#2/0, #6G; 2-1/2"C.
8. PROVIDE NEW EQUIPMENT SUPPORT STRUCTURE. PROVIDE NEW 2-1/2" RIGID CONDUIT FOR VERTICALS AND 1-5/8"X 3-1/4"X 12 GAUGE BACK TO BACK GALVANIZED UNISTRUT HORIZONTAL SUPPORTS. PROVIDE A NEW CONCRETE PAD UNDER THE ENTIRE LENGTH OF THE SUPPORT STRUCTURE X 5' WIDE. NEW CONDUIT SHALL BE INSTALLED IN A FOOTING OF 12"DIAMETER X 18"DEEP, MINIMUM.
9. NEW GENERATOR CONCRETE PAD, SEE DETAIL SHEET E0.
10. EXISTING FENCE TO REMAIN.
11. NEW 480V-240/120V 5 KVA MINI-POWER ZONE. PROVIDE ONE 40A/2P BREAKER FOR PUMP CONTROL PANEL, ONE 20A/1P BREAKER FOR EXTERIOR RECEPTACLE, ONE 20A/1P BREAKER FOR GENERATOR BATTERY CHARGER, AND THREE 20A/1P BREAKER SPARES.
12. NEW 2#12, 12G; 3/4"C. TO 20A/1P BREAKER IN MINI-POWER ZONE FOR BATTERY CHARGER.
13. EXISTING 200A/3P DISCONNECT SWITCH FUSED AT 150 AMPS TO REMAIN ON EXISTING POWER COMPANY WOOD POLE.
14. NEW SURGE SUPPRESSOR. PROVIDE CONDUCTORS AND CONDUIT AS RECOMMENDED BY MANUFACTURER AND CONNECT TO SERVICE DISCONNECT
15. NEW 4#2/0; 2-1/2"C. UNDERGROUND.
16. NEW 2#12, #12G; 1/2"C. TO MINI-POWER ZONE.

REVISION	ITEM	DATE

GEORGIA REGISTERED NO. 045281 PROFESSIONAL ENGINEER PAUL E. WHITMIRE

SHEET: DEMOLITION & NEW WORK PLANS - WEST LAURENS PUMP STATION

TOLAND MIZELL MOLNAR
500 MEANS STREET NW
STE. 200
ATLANTA, GA 30318

PROJECT: FIXED AND PORTABLE GENERATOR INSTALLATIONS

JOB NO:	TMM 2507
DATE:	02-06-26
DRAWN:	FSD
CHECKED:	PEW
APPROVED:	RBP
SCALE:	AS NOTED

SHEET E15