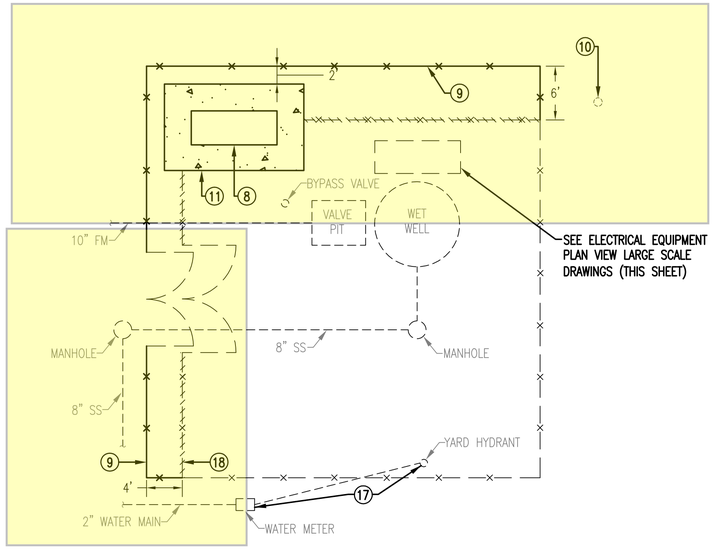


DEMOLITION & NEW WORK SITE PLAN

SCALE: 1/8" = 1'

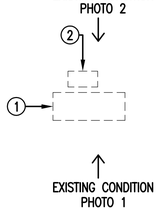
0 4' 8' 16'

NOTES:

(#) (THIS SHEET ONLY)

1. EXISTING 480V, 3-PHASE, 150A PUMP STATION CONTROL PANEL TO REMAIN. DISCONNECT AND ABANDON IN PLACE EXISTING 3 KVA INTERNAL CONTROL TRANSFORMER. PROVIDE 2#12, #12G; 1/2"C. FROM EXISTING 15A/2P CIRCUIT BREAKER (ABANDONED TRANSFORMER PRIMARY) TO NEW MINI-POWER ZONE. PROVIDE 3#12, #12G; 1/2"C. FROM MINI-POWER ZONE TO EXISTING 20A/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. EXISTING 4#1/0; 2-1/2"C. TO METER ON POWER POLE OUTSIDE OF FENCE TO BE REMOVED.
4. NEW 150A/3P ENCLOSED CIRCUIT BREAKER IN NEMA 4X STAINLESS STEEL ENCLOSURE. PROVIDE #6 GROUNDING CONDUCTOR TO (3) 3/4" DIAMETER X 10' GROUND RODS NOT LESS THAN 10' APART.
5. NEW 480V, 150A AUTOMATIC TRANSFER SWITCH IN NEMA 4X STAINLESS STEEL ENCLOSURE. PROVIDE 3/4"C. AND CONDUCTORS AS REQUIRED FOR START/STOP SIGNAL TO GENERATOR.
6. PROVIDE 2-1/2" RIGID CONDUIT VERTICALS AND 1-5/8" X 12 GAUGE GALVANIZED UNISTRUT HORIZONTAL SUPPORTS TO EXTEND THE EXISTING SUPPORT STRUCTURE AS REQUIRED. SUPPORT EXTENSION SHALL MATCH EXISTING STRUCTURE. EXTEND EXISTING CONCRETE PAD UNDER EXISTING STRUCTURE FOR NEW STRUCTURE.
7. NEW 4#1/0, #6G; 2-1/2"C.
8. NEW PAD-MOUNTED NATURAL GAS GENERATOR. SEE SPECIFICATION 16130 PARAGRAPH 1.5 FOR SIZE AND VOLTAGE. CITY OF DUBLIN IS RESPONSIBLE FOR ALL NATURAL GAS WORK.
9. INSTALL NEW 6' HIGH CHAIN LINK FENCE WITH 3 STRANDS OF BARBED WIRE AS SHOWN TO ALLOW FOR INSTALLATION OF GENERATOR. NEW FENCE SHALL MATCH EXISTING.
10. EXISTING WOOD POLE WITH POWER COMPANY METER TO REMAIN.
11. NEW CONCRETE GENERATOR PAD, SEE DETAIL SHEET E0.
12. NEW 480V-240/120V, 5 KVA MINI-POWER ZONE. PROVIDE ONE 20A/2P BREAKER FOR PUMP CONTROL PANEL, ONE 20A/1P BREAKER FOR BATTERY CHARGER, ONE 20A/1P BREAKER FOR RECEPTACLE, AND THREE 20A/1P BREAKERS SPARES.
13. NEW 2#12, #12G; 1/2"C. TO MINI-POWER ZONE.
14. NEW 2#12, #12G; 1/2"C. TO MINI-POWER ZONE FOR BATTERY CHARGER.
15. NEW 4#1/0; 2-1/2"C. UNDERGROUND.
16. NEW SURGE SUPPRESSOR. PROVIDE CONDUCTORS AND CONDUIT AS RECOMMENDED BY MANUFACTURER AND CONNECT TO SERVICE DISCONNECT
17. EXISTING WATER METER AND YARD HYDRANT TO REMAIN.
18. EXISTING FENCE TO BE REMOVED.

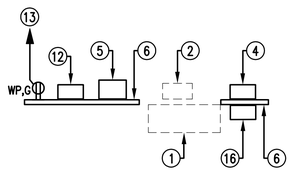
EXISTING CONDITION PHOTO 2



EXISTING CONDITION PHOTO 1

DEMOLITION ELECTRICAL EQUIPMENT PLAN VIEW

SCALE: 1/4" = 1'

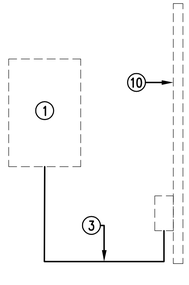


NEW WORK ELECTRICAL EQUIPMENT PLAN VIEW

SCALE: 1/4" = 1'

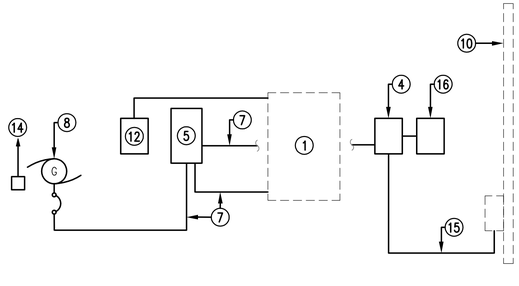
EXISTING CONDITION PHOTO 1

SCALE: NONE



DEMOLITION ELECTRICAL RISER

SCALE: NONE



NEW WORK ELECTRICAL RISER

SCALE: NONE

EXISTING CONDITION PHOTO 2

SCALE: NONE

REVISION	ITEM	DATE

GEORGIA REGISTERED NO. 045281 PROFESSIONAL ENGINEER PAUL E. WHITMIRE

SHEET: *DEMOLITION & NEW WORK PLANS - HWY 19 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

E10