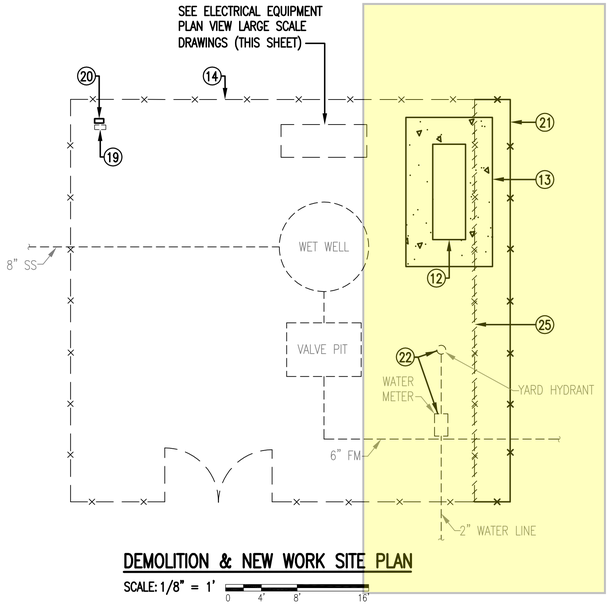


DEMOLITION & NEW WORK SITE PLAN

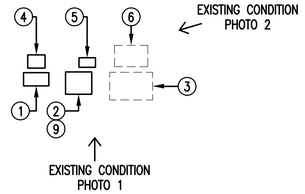
SCALE: 1/8" = 1'

0 4' 8' 16'

NOTES:

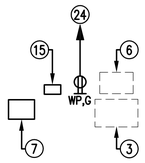
(#) (THIS SHEET ONLY)

1. EXISTING 480V, 3–PHASE, 100A ENCLOSED CIRCUIT BREAKER TO BE REMOVED.
2. EXISTING 480V, 100A MANUAL TRANSFER SWITCH TO BE REMOVED.
3. EXISTING PUMP STATION CONTROL PANEL TO REMAIN. DISCONNECT AND ABANDON IN PLACE EXISTING 750 VA INTERNAL CONTROL TRANSFORMER. PROVIDE 2#10, #10G; 3/4"C. FROM LINE SIDE OF HOIST BREAKER TO NEW MINI–POWER ZONE. PROVIDE 2#12, #12G; 1/2"C. FROM MINI–POWER ZONE TO 20A/1P BREAKER AND 2#12, #12G; 1/2"C. TO TWO 20A/1P BREAKERS IN PUMP CONTROL PANEL.
4. EXISTING SURGE SUPPRESSOR TO BE REMOVED.
5. EXISTING 480V–240/120V, 3 KVA TRANSFORMER TO BE REMOVED.
6. EXISTING SCADA CONTROLS TO REMAIN. PROVIDE 3/4"C. AND CONDUCTORS AS REQUIRED TO CONNECT GENERATOR GENERAL ALARM TO EXISTING SCADA CONTROLS.
7. NEW 480V, 100A AUTOMATIC TRANSFER SWITCH IN NEMA 4X STAINLESS STEEL ENCLOSURE IN SAME LOCATION AS REMOVED 100A ENCLOSED CIRCUIT BREAKER. PROVIDE ADDITIONAL 1–5/8"X 12 GAUGE GALVANIZED UNISTRUT ON THE EXISTING SUPPORT STRUCTURE AS REQUIRED. PROVIDE 3/4"C. AND CONDUCTORS AS REQUIRED FOR START/STOP SIGNAL TO GENERATOR.
8. EXISTING 4#1/0, #6G; 2"C. TO REMAIN.
9. EXISTING PORTABLE GENERATOR PLUG TO BE REMOVED.
10. EXISTING 4#1/0, #6G; 2"C. TO BE REMOVED.
11. NEW 4#2, #8G; 1–1/2"C.
12. NEW PAD–MOUNTED DIESEL GENERATOR. SEE SPECIFICATION 16310 PARAGRAPH 1.5 FOR SIZE AND VOLTAGE. PROVIDE GENERATOR WITH A 100A/3P OUTPUT CIRCUIT BREAKER.
13. NEW CONCRETE GENERATOR PAD, SEE DETAIL SHEET E0.
14. EXISTING FENCE TO REMAIN.
15. NEW 480V–240/120V, 7–1/2 KVA MINI–POWER ZONE WITH MAIN BREAKER. MOUNT ON EXISTING EQUIPMENT STRUCTURE. PROVIDE ADDITIONAL 1–5/8" X 12 GAUGE GALVANIZED UNISTRUT AS REQUIRED. PROVIDE ONE 20A/1P, AND ONE 20A/1P BREAKER FOR EXISTING CIRCUITS IN PUMP CONTROL PANEL. PROVIDE ONE 20A/1P BREAKER FOR GENERATOR BATTERY CHARGER. PROVIDE ONE 20A/1P BREAKER FOR GENERATOR JACKET HEATER. PROVIDE ONE 20A/1P BREAKER FOR RECEPTACLE. PROVIDE THREE 20A/1P BREAKERS SPARE.
16. NEW 2#12, #12G; 3/4"C. TO 20A/1P BREAKER IN MINI–POWER ZONE FOR GENERATOR BATTERY CHARGER.
17. NEW 2#12, #12G; 3/4"C. TO 20A/1P BREAKER IN MINI–POWER ZONE FOR GENERATOR JACKET HEATER.
18. EXISTING 4#1/0; 2" C. TO PAD–MOUNTED TRANSFORMER TO REMAIN.
19. EXISTING 480V, 3–PHASE, 100A ENCLOSED CIRCUIT BREAKER SERVICE DISCONNECT TO REMAIN.
20. NEW SURGE SUPPRESSOR. PROVIDE CONDUCTORS AND CONDUIT AS RECOMMENDED BY MANUFACTURER AND CONNECT TO SERVICE DISCONNECT PROVIDE ADDITIONAL 1–5/8" X 12 GAUGE GALVANIZED UNISTRUT AS REQUIRED.
21. 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.
22. EXISTING WATER METER AND YARD HYDRANT TO REMAIN.
23. NEW 2#12, #12G; 3/4"C.
24. NEW 2#12, #12G; 1/2" C TO MINI–POWER ZONE.
25. EXISTING FENCE TO BE REMOVED.



DEMOLITION ELECTRICAL EQUIPMENT PLAN VIEW

SCALE: 1/4" = 1'

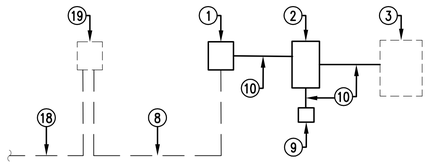


NEW WORK ELECTRICAL EQUIPMENT PLAN VIEW

SCALE: 1/4" = 1'

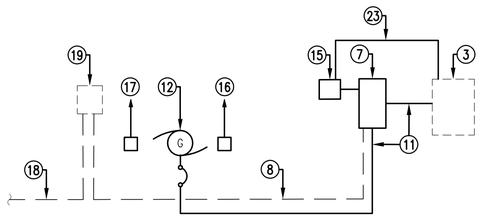
EXISTING CONDITION PHOTO 1

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 - I-16 WEST BOUND PUMP STATION*

590 MEANS STREET NW
STE. 200
ATLANTA, GA 30318

TOLAND MIZELL MOLNAR

PROJECT: ***FIXED AND PORTABLE GENERATOR INSTALLATIONS***

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

SHEET

E11