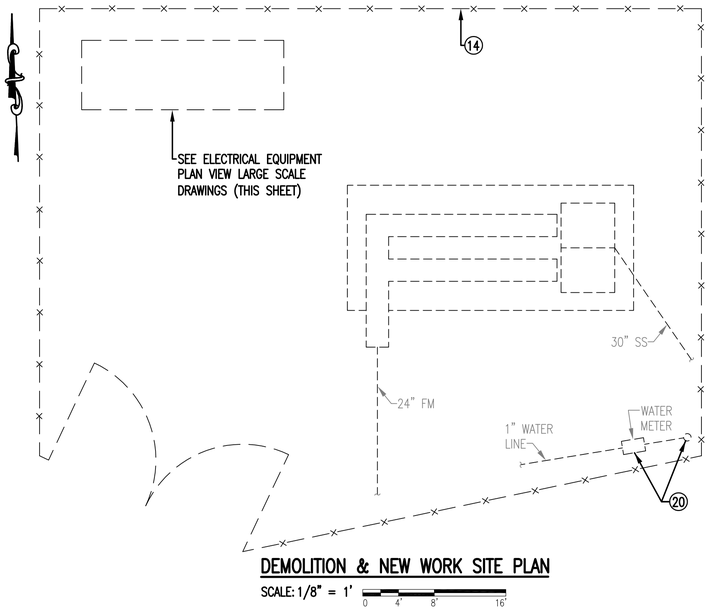
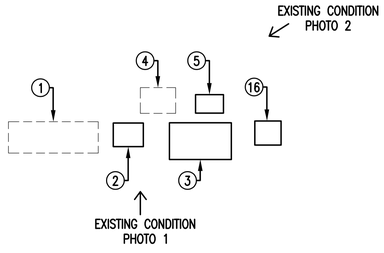


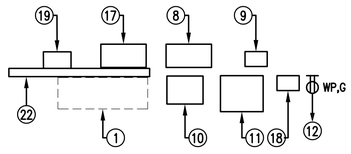
DEMOLITION & NEW WORK SITE PLAN

SCALE: 1/8" = 1'



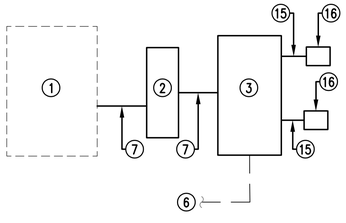
DEMOLITION ELECTRICAL EQUIPMENT PLAN VIEW

SCALE: 1/4" = 1'



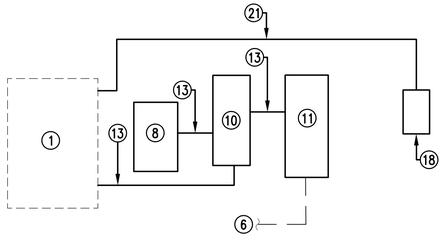
NEW WORK ELECTRICAL EQUIPMENT PLAN VIEW

SCALE: 1/4" = 1'



DEMOLITION ELECTRICAL RISER

SCALE: NONE



NEW WORK ELECTRICAL RISER

SCALE: NONE

EXISTING CONDITION PHOTO 1

SCALE: NONE

EXISTING CONDITION PHOTO 2

SCALE: NONE

GENERAL NOTES:

(#) (THIS SHEET ONLY)

1. PROVIDE NEW PORTABLE GENERATOR FOR THIS SITE. SEE SCHEDULE IN SPECIFICATION SECTION 16310 PACKAGE ENGINE GENERATOR SYSTEMS, PARAGRAPH 1.5.

NOTES:

(#) (THIS SHEET ONLY)

1. EXISTING 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 BREAKER (ABANDONED TRANSFORMER PRIMARY) TO NEW MINI-POWER ZONE. PROVIDE 3#8, #10G; 3/4"C. TO NEW MINI-POWER ZONE AND CONNECT TO EXISTING 40A/2P DISTRIBUTION BREAKER INSIDE PUMP CONTROL PANEL.
2. EXISTING 480V, 700A ENCLOSED CIRCUIT BREAKER TO BE REMOVED.
3. EXISTING 480V, 1000A MANUAL TRANSFER SWITCH TO BE REMOVED.
4. EXISTING SCADA CONTROLS TO REMAIN AND BE RELOCATED.
5. EXISTING SURGE SUPPRESSOR TO BE REMOVED.
6. EXISTING 3 SETS:4#500KCMIL; 3-1/2"C. TO REMAIN.
7. EXISTING 2 SETS:4#500KCMIL, #1/0G; 3-1/2"C. TO BE REMOVED.
8. NEW PORTABLE GENERATOR CAM LOCK CONNECTION IN NEMA 4X STAINLESS STEEL ENCLOSURE. CONNECTION TO MATCH PORTABLE GENERATOR CABLES.
9. NEW SURGE SUPPRESSOR. PROVIDE CONDUCTORS AND CONDUIT AS RECOMMENDED BY MANUFACTURER AND CONNECT TO SERVICE DISCONNECT
10. NEW 480V, 600A DOUBLE THROW SWITCH IN NEMA 4X STAINLESS STEEL ENCLOSURE. PROVIDE ADDITIONAL GALVANIZED UNISTRUT ON EXISTING SUPPORT STRUCTURE AS REQUIRED.
11. NEW 800A FUSED DISCONNECT SWITCH FUSED AT 600A (TYPE J) FUSES IN NEMA 4X STAINLESS STEEL ENCLOSURE. INSTALL IN SAME LOCATION OF EXISTING MANUAL TRANSFER SWITCH. PROVIDE WITH LUGS TO ACCEPT 3 SETS:500KCMIL. PROVIDE ADDITIONAL 1 5/8" X 12 GAUGE GALVANIZED UNISTRUT ON EXISTING SUPPORT STRUCTURE AS REQUIRED. PROVIDE #6 GROUNDING CONDUCTOR TO (3) 3/4" DIAMETER X 10' GROUND RODS NOT LESS THAN 10' APART.
12. NEW 2#12, #12G; 1/2"C. TO MINI-POWER ZONE FOR NEW EXTERIOR RECEPTACLE.
13. NEW 2 SETS:4#350KCMIL, #1G; 3"C.
14. EXISTING FENCE TO REMAIN.
15. EXISTING 4#500KCMIL, #1/0G; 3-1/2"C. TO BE REMOVED.
16. EXISTING PORTABLE GENERATOR PLUG TO BE REMOVED.
17. RELOCATED SCADA PANEL. PROVIDE NEW CONDUIT WITH EXISTING CONDUCTORS BETWEEN PUMP CONTROL PANEL AND SCADA PANEL.
18. NEW 480V-240/120V 5 KVA MINI-POWER ZONE MOUNTED TO EXISTING STRUCTURE. PROVIDE ADDITIONAL 1-5/8" X 12 GAUGE GALVANIZED UNISTRUT AS REQUIRED. PROVIDE ONE 20A/1P BREAKER FOR NEW EXTERIOR RECEPTACLE, ONE 40A/2P BREAKER FOR EXISTING PUMP CONTROL PANEL, BREAKER(S) FOR PORTABLE GENERATOR BATTERY CHARGER, COOLANT HEATER, ETC. AS REQUIRED FOR PORTABLE GENERATOR, AND THREE 20A/1P BREAKERS SPARE.
19. HINGED NEMA 4X STAINLESS STEEL ENCLOSURE WITH 50' SOOW CABLE(S) AND PLUG(S) FOR PORTABLE GENERATOR BATTERY CHARGER, COOLANT HEATER, JACKET HEATER, ETC. AS REQUIRED BY PORTABLE GENERATOR. PLUG(S) SHALL MATCH RECEPTACLE(S) ON PORTABLE GENERATOR. HARDWIRE CABLE(S) TO MINI-POWER ZONE.
20. EXISTING WATER METER AND YARD HYDRANT TO REMAIN.
21. NEW 2#12, #12G; 1/2"C. TO 15A/2P BREAKER IN PUMP CONTROL PANEL.
22. PROVIDE NEW 3" RIGID CONDUIT VERTICAL SUPPORT BOLTED TO EXISTING CONCRETE PAD WITH FLANGE. PROVIDE NEW 1-5/8" X 12 GAUGE GALVANIZED UNISTRUT AS REQUIRED.

REVISION	ITEM	DATE

GEORGIA REGISTERED NO. 045281 PROFESSIONAL ENGINEER PAUL E. WHITMIRE

SHEET: DEMOLITION & NEW WORK PLANS - WASHINGTON STREET 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

E16