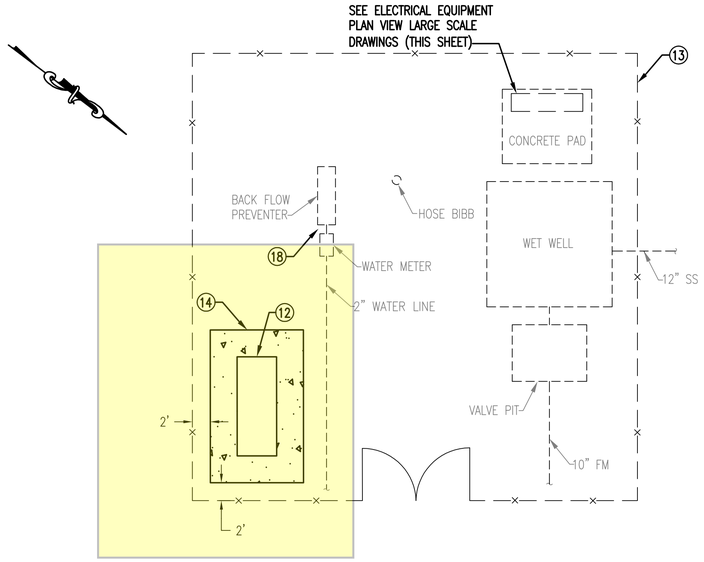
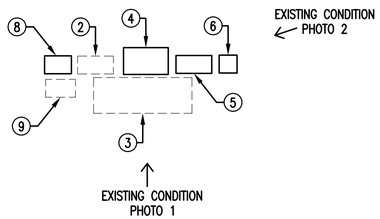


DEMOLITION & NEW WORK SITE PLAN

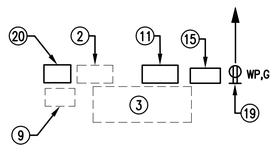
SCALE: 1/8" = 1'

0 4' 8' 16'



DEMOLITION ELECTRICAL EQUIPMENT PLAN VIEW

SCALE: 1/4" = 1'

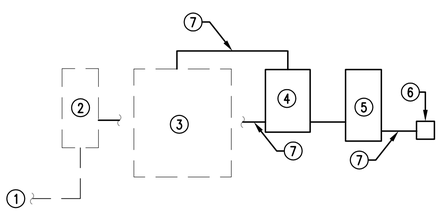


NEW WORK ELECTRICAL EQUIPMENT PLAN VIEW

SCALE: 1/4" = 1'

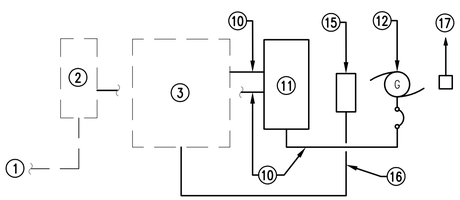
EXISTING CONDITION PHOTO 1

SCALE: NONE



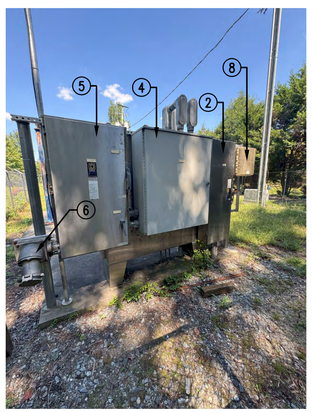
DEMOLITION ELECTRICAL RISER

SCALE: NONE



NEW WORK ELECTRICAL RISER

SCALE: NONE



EXISTING CONDITION PHOTO 2

SCALE: NONE

NOTES:

(#) (THIS SHEET ONLY)

1. EXISTING 2 SETS:4#3/0; 2-1/2"C. TO REMAIN.
2. EXISTING 480V, 3-PHASE, 400A ENCLOSED CIRCUIT BREAKER SERVICE DISCONNECT TO REMAIN.
3. EXISTING PUMP STATION CONTROL PANEL TO REMAIN. PROVIDE WEATHERPROOF SEALS ON EXISTING CONDUIT PENETRATION HOLES. NEW CONDUIT SHALL NOT ENTER TOP OF ENCLOSURE. DISCONNECT AND ABANDON IN PLACE EXISTING 5 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 15A/2P BREAKER IN PUMP CONTROL PANEL. PROVIDE 3#10, #12G; 3/4" C. FROM MINI-POWER ZONE TO EXISTING LUGS IN PUMP CONTROL PANEL
4. EXISTING 480V, 400A MANUAL TRANSFER SWITCH TO BE REMOVED.
5. EXISTING 480V, 400A DOUBLE THROW SWITCH TO BE REMOVED.
6. EXISTING PORTABLE GENERATOR PLUG TO BE REMOVED.
7. EXISTING 2 SETS:4#3/0, #3/0G; 2 1/2"C. TO BE REMOVED.
8. EXISTING SURGE SUPPRESSOR TO BE REMOVED.
9. EXISTING SCADA CONTROLS TO REMAIN. PROVIDE 3/4"C. AND CONDUCTORS AS REQUIRED TO CONNECT GENERATOR GENERAL ALARM TO EXISTING SCADA CONTROLS.
10. NEW 2 SETS:4#3/0, #3/0G; 2 1/2"C.
11. NEW 480V, 400A AUTOMATIC TRANSFER SWITCH IN NEMA 4X STAINLESS STEEL ENCLOSURE. PROVIDE ADDITIONAL 1 5/8" X 12 GAUGE GALVANIZED UNISTRUT ON EXISTING SUPPORT STRUCTURE AS REQUIRED. CONDUIT SHALL NOT ENTER TOP OF ENCLOSURE. PROVIDE 3/4"C. AND CONDUCTORS AS REQUIRED FOR START/STOP SIGNAL TO GENERATOR.
12. 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.
13. EXISTING FENCE TO REMAIN.
14. NEW CONCRETE GENERATOR PAD, SEE DETAIL SHEET E0.
15. NEW 480V-240/120V, 5 KVA MINI-POWER ZONE. MOUNT ON EXISTING EQUIPMENT STRUCTURE. PROVIDE ADDITIONAL 1 5/8" X 12 GAUGE GALVANIZED UNISTRUT AS REQUIRED. PROVIDE ONE 15A/2P AND ONE 30A/2P BREAKER FOR EXISTING CIRCUITS IN PUMP CONTROL PANEL. PROVIDE ONE 20A/1P BREAKER FOR GENERATOR BATTERY CHARGER AND ONE 20A/1P BREAKER FOR RECEPTACLE. PROVIDE THREE 20A/1P BREAKERS SPARE.
16. NEW 2#12, #12G; 1/2"C.
17. NEW 2#12, #12G; 3/4"C. TO 20A/1P BREAKER IN MINI-POWER ZONE FOR BATTERY CHARGER.
18. EXISTING WATER METER, BACKFLOW PREVENTER, AND YARD HYDRANT TO REMAIN.
19. NEW 2#12, #12G; 1/2"C TO MINI-POWER ZONE.
20. NEW SURGE SUPPRESSOR. PROVIDE CONDUCTORS AND CONDUIT AS RECOMMENDED BY MANUFACTURER AND CONNECT TO SERVICE DISCONNECT.

REVISION	ITEM	DATE

GEORGIA REGISTERED NO. 045281 PROFESSIONAL ENGINEER PAUL E. WHITMIRE

SHEET: *DEMOLITION & NEW WORK PLANS - ACADEMY EXTENSION 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

E1