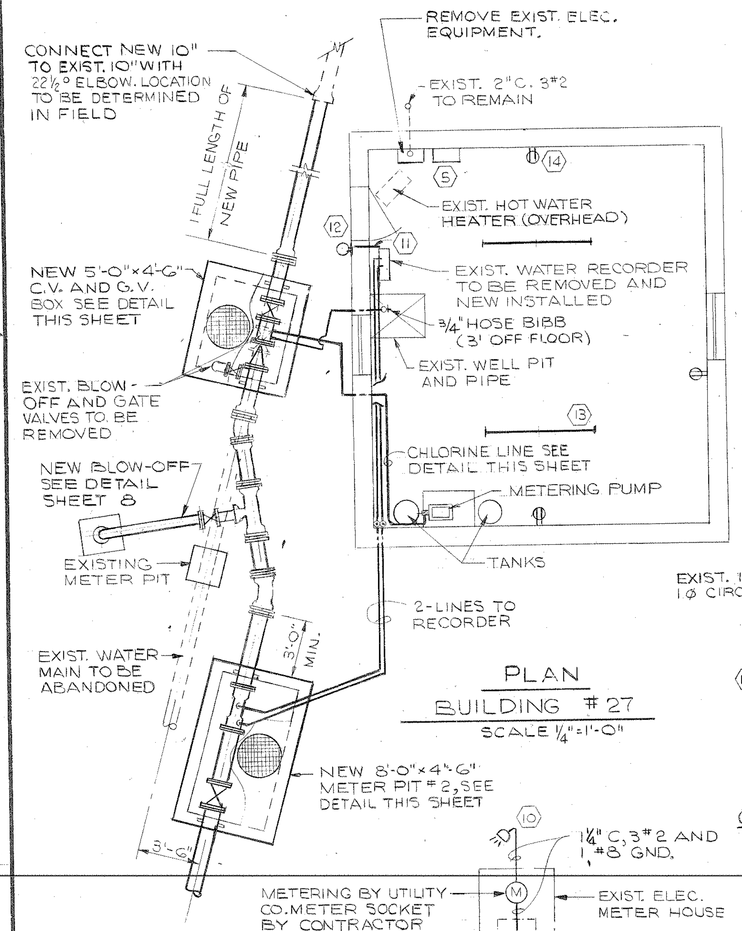
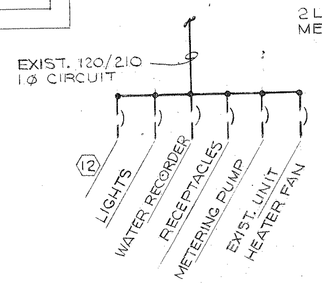
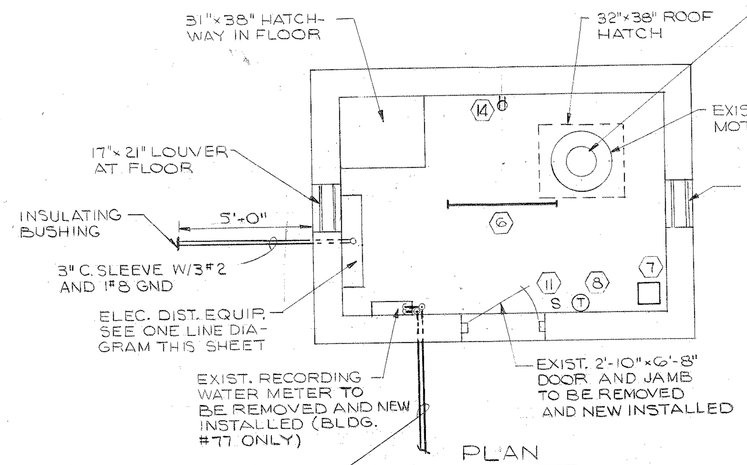


PLAN
BUILDING #27
SCALE ¼"=1'-0"



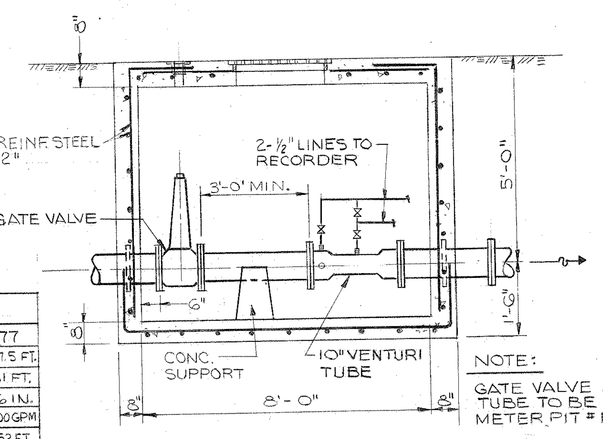
ONE LINE DIAGRAM
BLDG. #27



PLAN
PUMPING HOUSES #76 AND #77
SCALE ⅜"=1'-0"

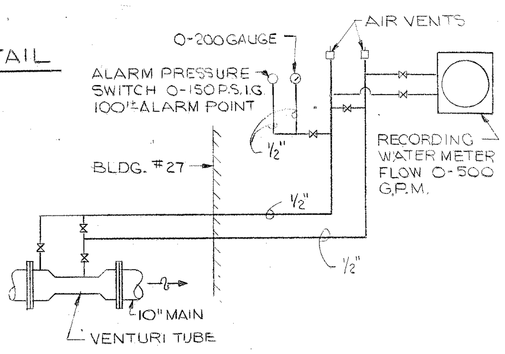
NOTE: ELECTRICAL CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXIST. ELECTRICAL EQUIPMENT AND CABLE WHICH IS BEING REPLACE WITH NEW.

PUMP DATA		
BLDG. NO.	76	77
PUMP LENGTH	37.5 FT.	47.5 FT.
WELL DEPTH	41 FT.	51 FT.
DIAMETER	24 IN.	16 IN.
CAPACITY	300GPM	300GPM
DISC. HEAD (TDH)	252 FT.	252 FT.
DISC. PRESS. (PSIG)	109.16	109.16
MOTOR H.P.	25	25
VOLTAGE	460-3Ø	460-3Ø
R.P.M. (MAX.)	1770	1770

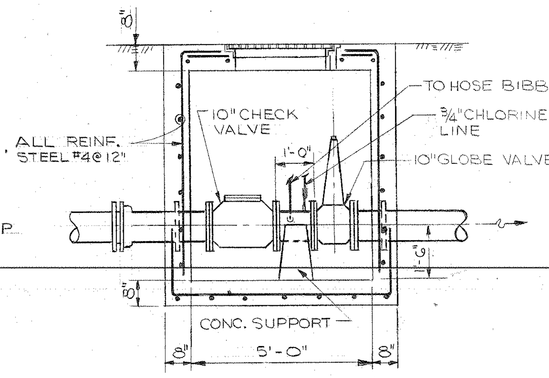


METER PIT DETAIL
SCALE ½"=1'-0"

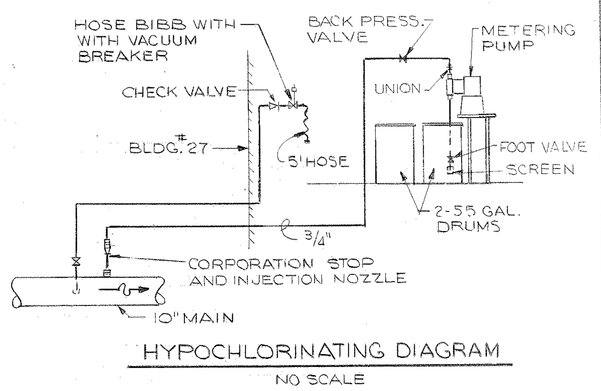
NOTE: GATE VALVE AND VENTURI TUBE TO BE REVERSE FOR METER PIT #1



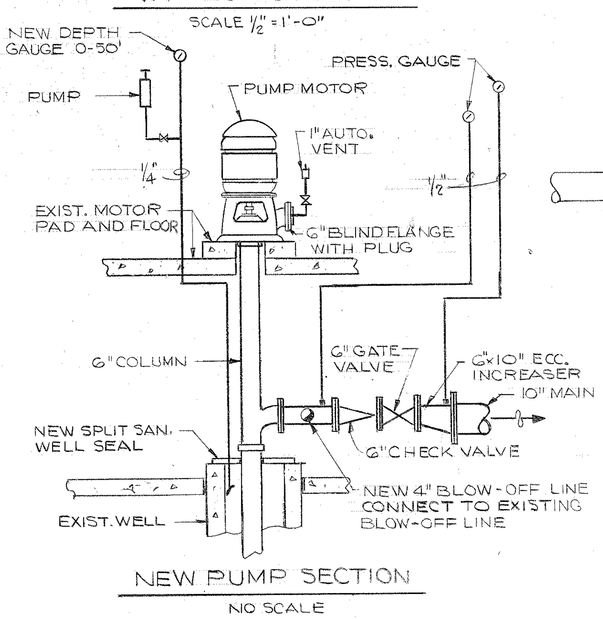
FLOW METERING DIAGRAM
NO SCALE



VALVES BOX DETAIL
SCALE ½"=1'-0"



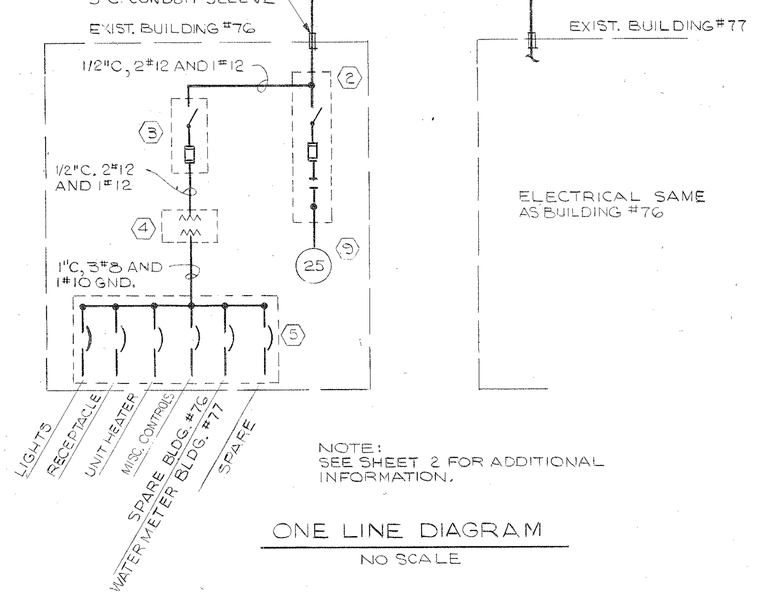
HYPOCHLORINATING DIAGRAM
NO SCALE



NEW PUMP SECTION
NO SCALE

ELECTRICAL LEGEND

1. 200 AMP. 480 VOLT, 3 POLE FUSIBLE SAFETY SWITCH IN NEMA TYPE 3R. ENCLOSURE.
2. COMBINATION NEMA SIZE 2, FVNR, 480 VOLT, 3P, MAG. MOTOR STARTER W/ STOP-START PUSH BUTTON STARTER 100 AMP. 3 POLE, 3 WIRE DISCONNECT SWITCH WITH BUILT-IN 120 VOLT CONTROL TRANSFORMER IN A NEMA TYPE 1 ENCLOSURE.
3. 30 AMP, 480 VOLT, 2 POLE, FUSIBLE SAFETY SWITCH IN NEMA TYPE 1 ENCLOSURE.
4. DRY-TYPE, INDOOR, VENTILATED, 480 VOLT-120/240 VOLT, SINGLE PHASE 5 KVA TRANSFORMER.
5. LOAD CENTER PANELBOARD WITH 60 AMP MAIN LUGS ONLY AND 6-20A., 1P. BOLT-ON CIRCUIT BREAKERS RATED FOR 10,000 AIC IN AN INDOOR SURFACE MOUNTED ENCLOSURE.
6. NEW 4 FT. - 2 LAMP INDUSTRIAL FLUORESCENT LIGHT FIXTURE WITH ALZAK ALUMINUM REFLECTOR.
7. NEW 1.5 KW UNIT HEATER.
8. NEW WALL MOUNTED THERMOSTAT FOR NEW UNIT HEATER. SUPPLIED AND INSTALLED BY OTHERS AND CONNECTED BY ELECTRICAL CONTRACTOR.
9. NEW 480V. PHASE PUMP MOTOR
10. NEW WEATHERHEAD ON EXIST. POLE ADJACENT TO METER HOUSE.
11. NEW 15 AMP SPECIFICATION GRADE, SINGLE POLE LIGHT SWITCH.
12. NEW 100 WATT, INCANDESCENT WEATHER PROOF SURFACE MOUNTED, FIXTURE WITH RED LENS AND A FLASHING SEQUENCER. THIS FIXTURE SHALL BE CONNECTED TO THE NEW PANELBOARD VIA THE ADJUSTABLE MERCURY SWITCH ON THE FLOW METER SEE SPEC. PARA. 401-22-I
13. SAME AS (6) EXCEPT PENDANT MOUNTED TO 10 FEET ABOVE FINISHED FLOOR
14. NEW SURFACE MOUNTED 15 AMP., 120V, SPECIFICATION GRADE, GROUNDING TYPE, CONVENIENCE OUTLET.



NOTE: SEE SHEET 2 FOR ADDITIONAL INFORMATION.

ONE LINE DIAGRAM
NO SCALE

PLANS AND DETAILS

WATER MAIN

VETERANS ADMINISTRATION
VAH BEDFORD, MASS.

Drawn A.P. Proj. Mgr. M.T.S.
Checked P.C.P. Date

REVISIONS

ALONZO B. REED INC.
BOSTON, MASS.
ARCHITECTS-ENGINEERS

DRAWING NUMBER 7

Sheet 7 of 8

APPROVED PROJECT DIRECTOR

Dwg. No.

307-10

V-1809