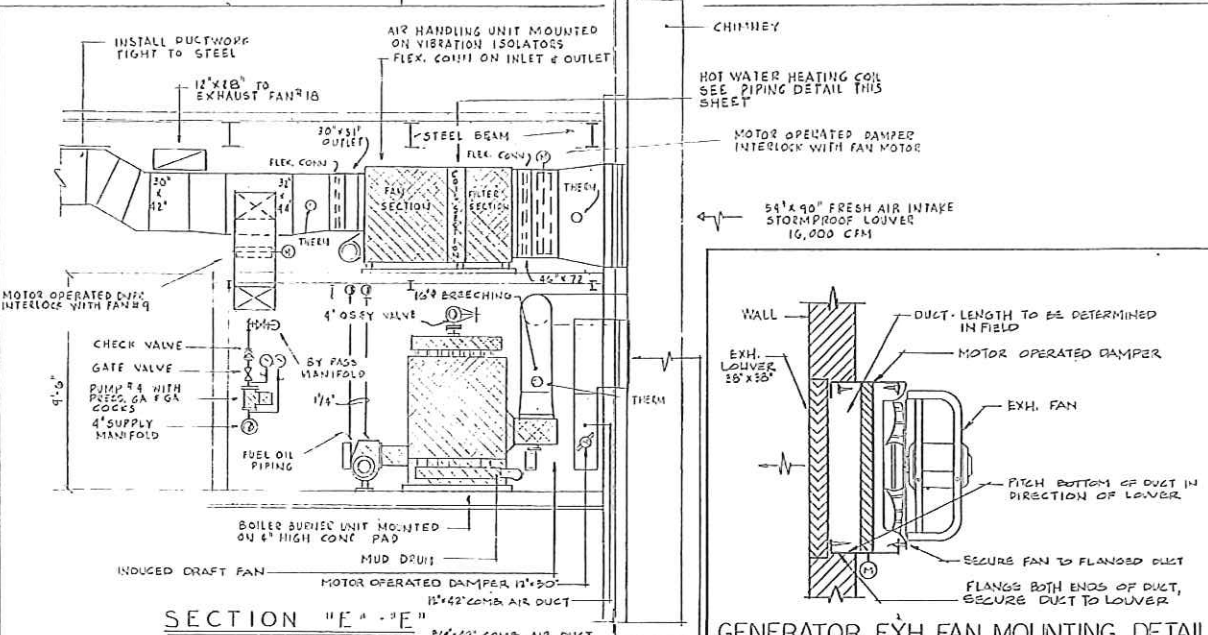
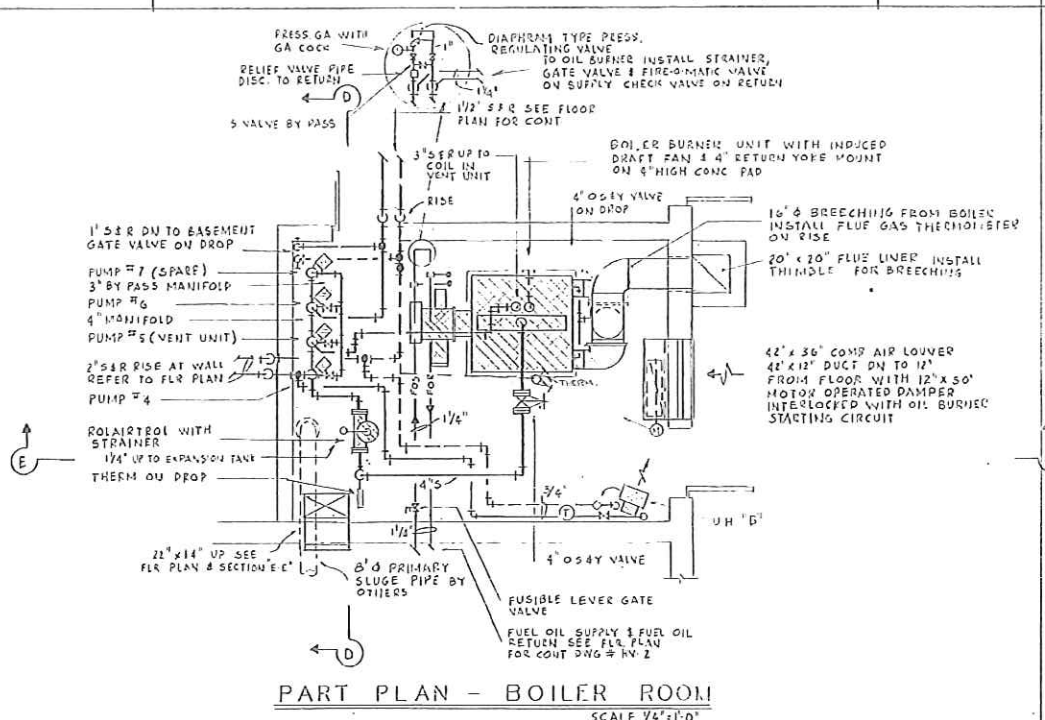
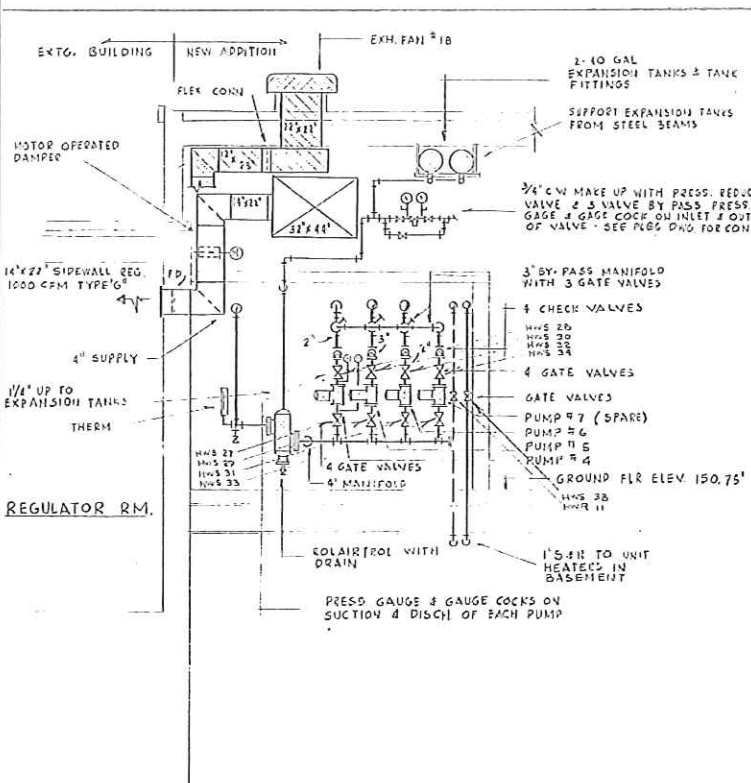
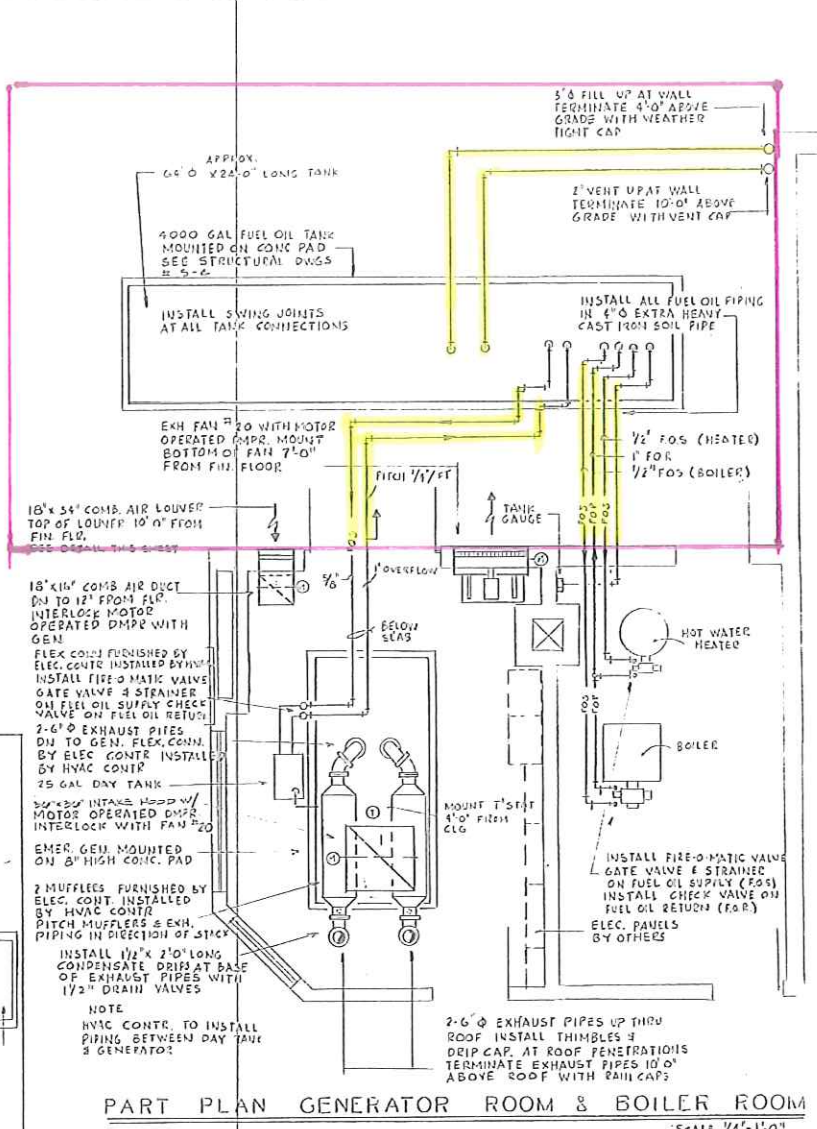
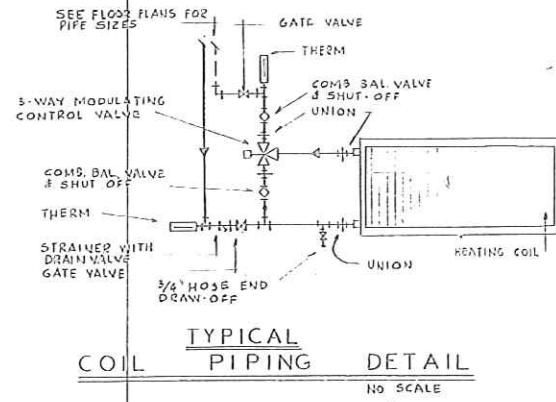
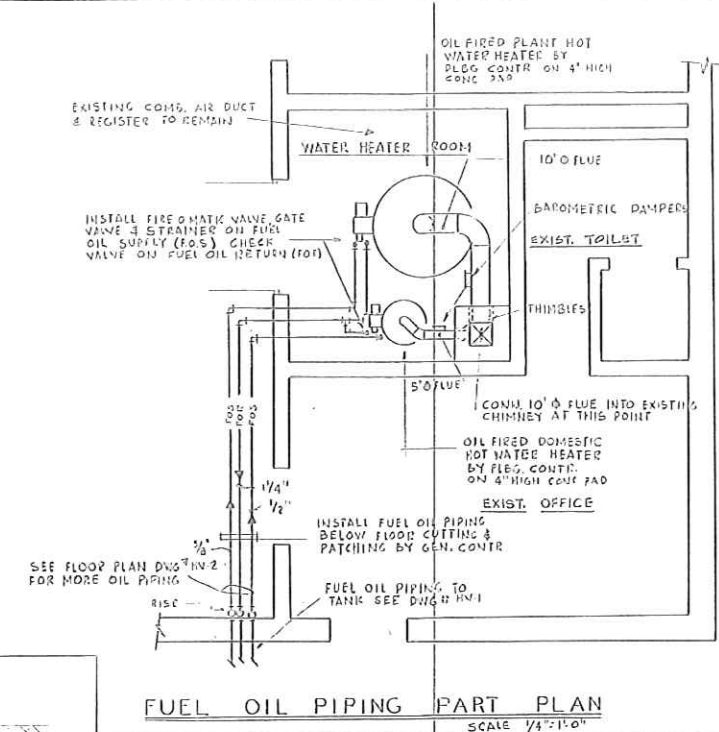
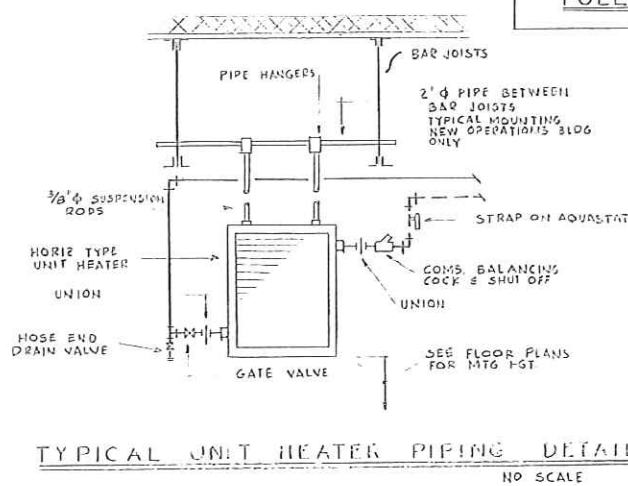
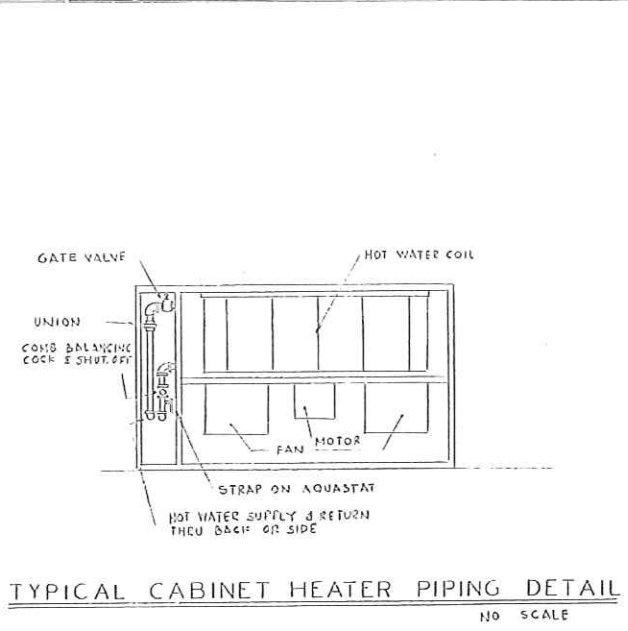
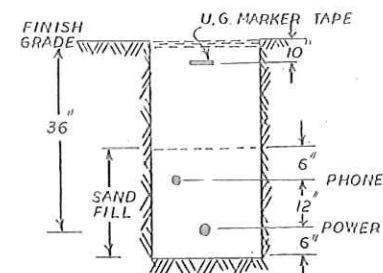




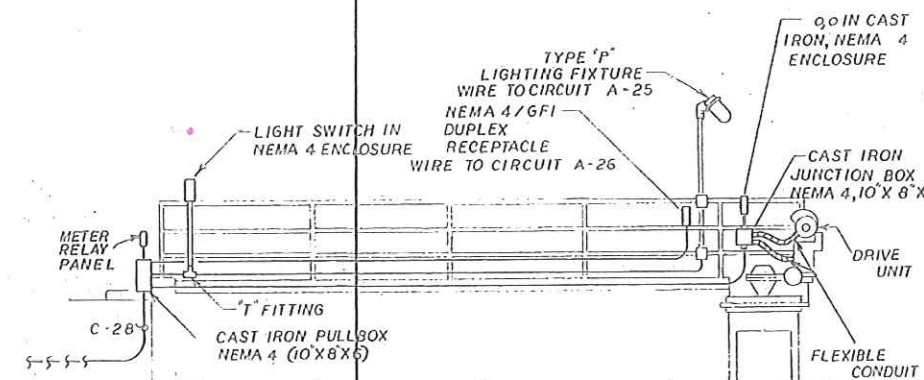
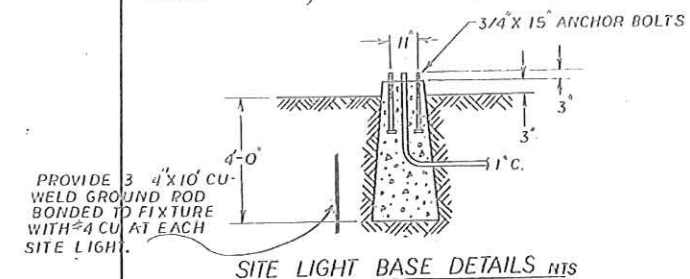
RECORD PLAN		SCALE 7/8" = 1'-0"	
HV-4		CONSTRUCTION	
		BIDDING PURPOSES	
		PRELIMINARY	
DATE	RELEASED FOR	ENGR.	

PROFESSIONAL SEAL
 STATE OF MISSISSIPPI
 ROBERT GEORGE CUTHBERT
 CIVIL ENGINEER
 NO. 12348
 REGISTERED

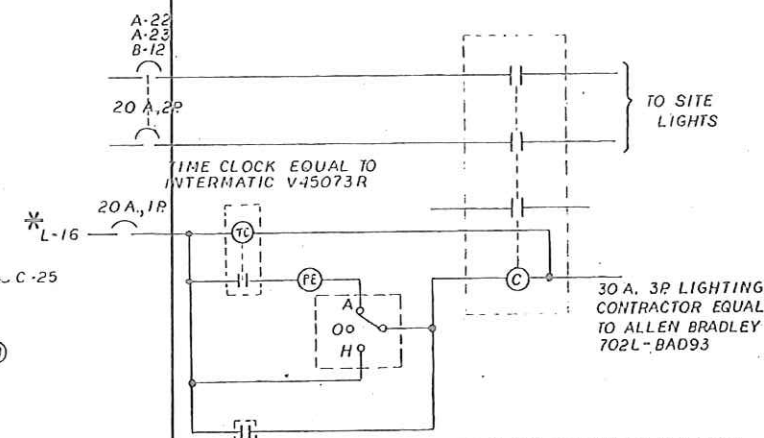
MONTAGUE, MASSACHUSETTS
WASTEWATER TREATMENT FACILITY
HEATING, VENTILATING, &
AIR CONDITIONING
PART PLANS & DETAILS



DITCH DETAIL N.T.S.



*CLARIFIER & GRAVITY THICKENER DETAILS NTS



INTERCONNECTION TO INTRUSION ALARM-LATCHING CONTACTS
RESETABLE FROM INTRUSION ALARM CONTROL PANEL ONLY.
NEW SITE LIGHT CONTROL DIAGRAM NTS
THREE UNITS IN PROJECT

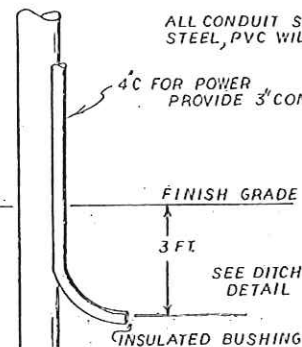
GROUNDING BUSHING,
BOND TO PRIMARY NEUTRAL.

TOP OF CONDUIT TO EXTEND
4" ABOVE PRIMARY NEUTRAL.

RIGIDLY ATTACH CONDUIT TO FIELD
SIDE OF POLE.

ALL CONDUIT SHALL BE RIGID GALVANIZED STEEL, PVC WILL NOT BE ALLOWED.

FOR POWER
PROVIDE 3" CONDUIT FOR PHONE.



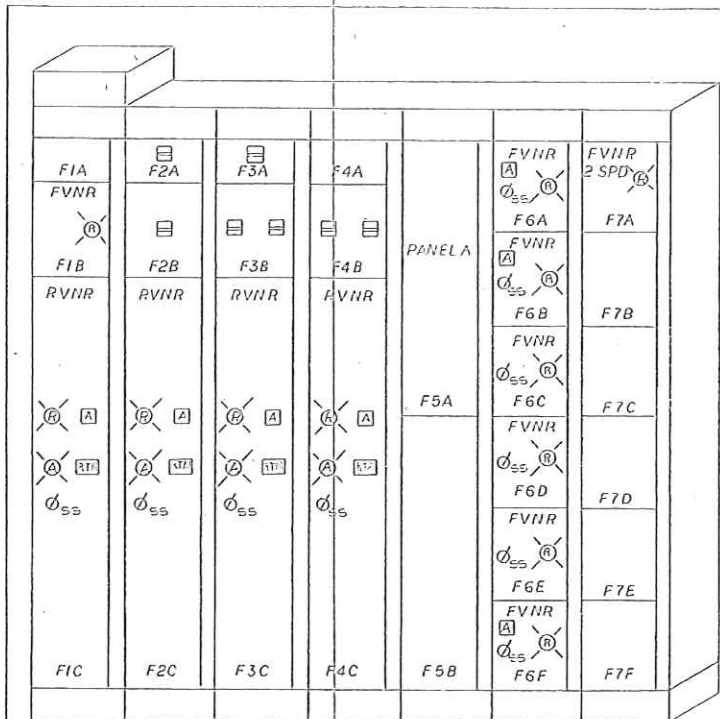
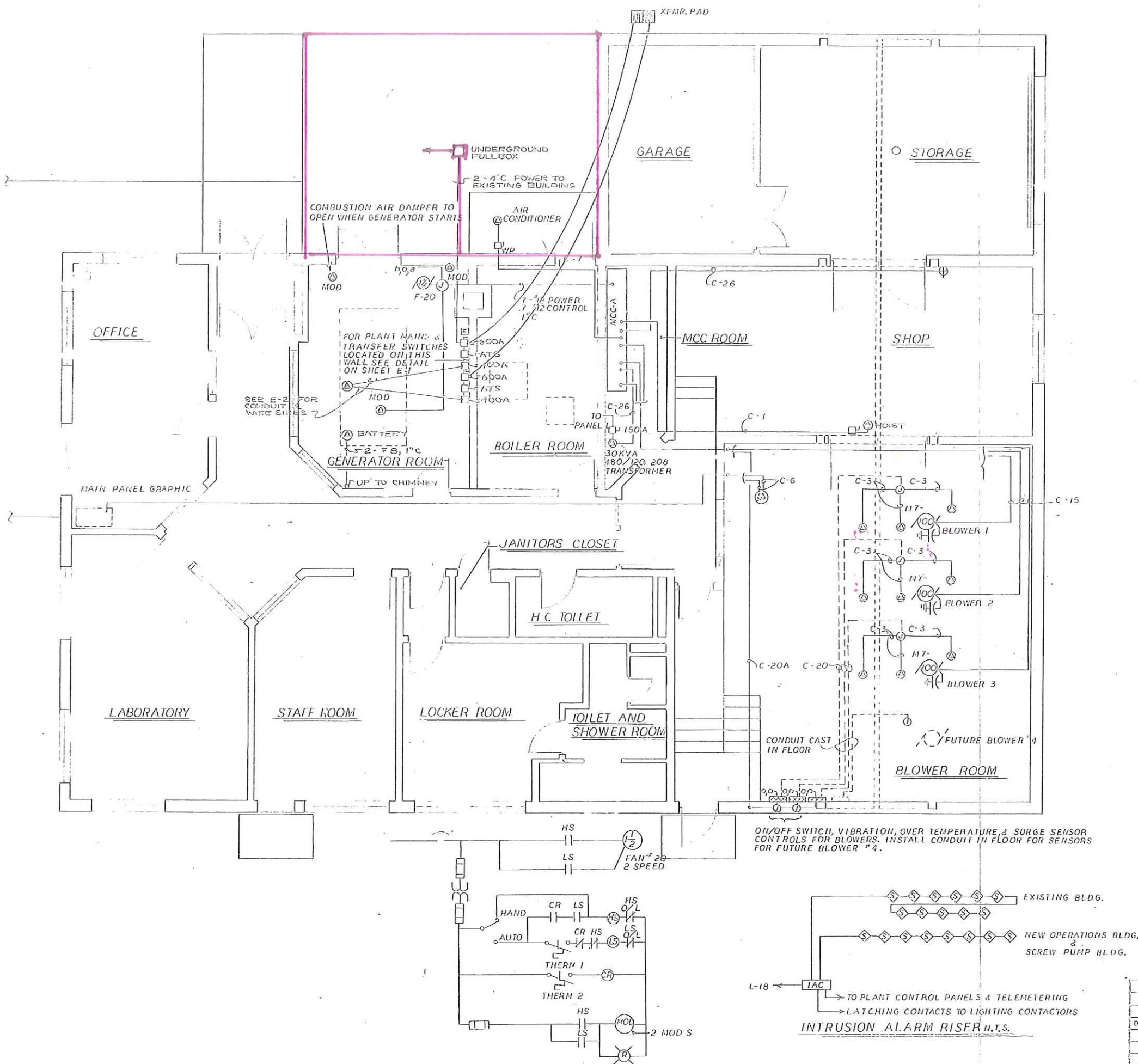
* THER & PE IN EXISTING BUILDING TO BE POWERED FROM CIRCUIT IN PANEL C NOW FEEDING FLOODLIGHTS SOUTH OF BUILDING. A1 & ADJUST PHOTOCELLS TO BE UNEFFECTED BY SITE LIGHTS. LIGHTS OF PASSING TRAFFIC, & ROADWAY LIGHTS, SHIELD AS NECESSARY. MOUNT TIME CLOCKS AND H-O-A SWITCHES IN AREA OF INTRUSION ALARM IN NEW BLDG. AND IN MCC ROOM OF EXISTING BLDG.

	CONSTRUCTION							
	BIDDING PURPOSES							
	PRELIMINARY							
DATE	RELEASED FOR						EGR.	

MONTAGUE, MASSACHUSETTS
WASTEWATER TREATMENT FACILITY

SITE PLAN-RIGHT AND DETAILS

Electrical



MCC-A FRONT

- F1A SPACE
- F1B EFFLUENT SAMPLE PUMP P-15
- F1C BLOWER #1 M-7
- F2A HEATER 15A. 3P, C/B
- F2B SCREW PUMPS P-14 #1 & #2
- F2C BLOWER #2 M-7
- F3A TRANSFORMER C/B FOR PANEL L 50A, 3P
- F3B1 AIR CONDITIONER 20A. 3P, C/B
- F3B2 WELDER 60 A. 3P, C/B
- F3C BLOWER #3 M-7
- F4A SPACE
- F4B1 SHOP CRANE 20 A. 3P C/B
- F4B2 TRANSFORMER C/B 60A. 3P.
- F4C FUTURE BLOWER #4 M-7
- F5A PANEL A, 200A, 42 POLE
- F5B TRANSFORMER 480/120 - 208V 30 KVA
- F6A #1 SECONDARY CLARIFIER M-9
- F6B #2 SECONDARY CLARIFIER M-9
- F6C CHLORINE RESIDUAL SAMPLE PUMP #P-13
- F6D CHLORINE FEED MONITOR SAMPLE PUMP #1 P-13
- F6E CHLORINE FEED MONITOR SAMPLE PUMP #2 P-13
- F6F GRAVITY THICKENER M-10
- F7A GENERATOR EXHAUST FAN, F-20
- F7B SPARE SIZE 1
- F7C SPACE
- F7D SPACE
- F7E SPACE
- F7F SPACE

SEE MFGRS SHOP DRAWINGS FOR ARRANGEMENT OF MCC-A

E-10

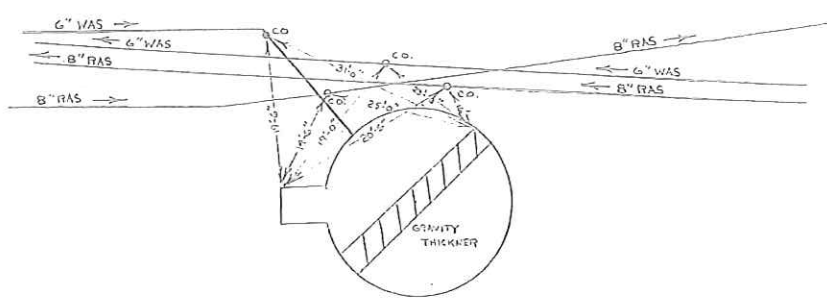
RECORD PLAN

CONSTRUCTION	
BIDDING PURPOSES	
PRELIMINARY	
DATE	RELEASED FOR
	ENGR

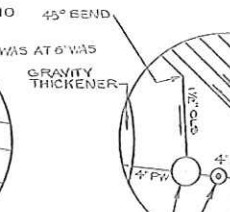
MONTAGUE, MASSACHUSETTS
WASTEWATER TREATMENT FACILITY
NEW OPERATIONS BUILDING
AND DETAILS 480 V.

Boring Area
Outside Piping
Drainage
Potable Water

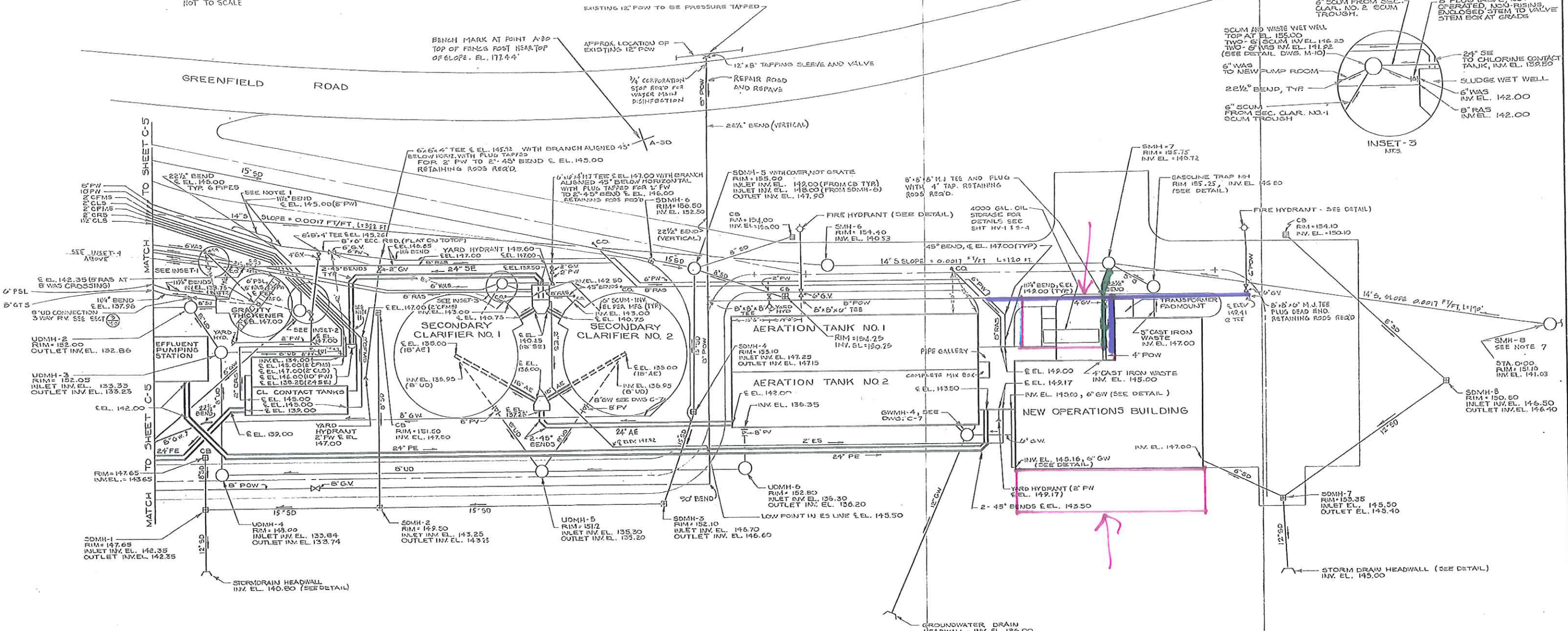
INSET-4



4" O.C. IS REQUIRED HERE TO ALLOW APPROX. 13 FT. FOR 6" RAS TO RISE 1'-3" TO CLEAR 6" RAS ELSEWHERE 2" O.C. IS ACCEPTABLE, UN



GREENFIELD ROAD



NOTES:

- 1) THE NEW CONSTRUCTION BASELINE IS SKEWED FROM THE EXISTING BUILDINGS BY APPROXIMATELY 19'. THE DIFFERENCE BETWEEN 19' AND A 22 1/2' BEND SHALL BE DISTRIBUTED IN PIPE JOINT DEFLECTIONS NOT TO EXCEED MANUFACTURER'S RECOMMENDATIONS.
- 2) THE EXISTING SDMH-E SHALL BE ADJUSTED TO GRADE WITH A NEW GRATE AND FRAME AT 140.44' ELEVATION.
- 3) ALL UNDERGROUND YARD VALVES SHALL HAVE ENCLOSED STEMS AND VALVE BOXES AT GRADE.
- 4) THE EXISTING STORM DRAIN FROM EXISTING SDMH-1 TO THE EXISTING DRAINAGE PUMP STATION SHALL BE ABANDONED AND REMOVED AS REQUIRED TO FACILITATE NEW CONSTRUCTION. A GROUNDWATER DRAINAGE PIPE SHALL ENTER SDMH-10 WHICH SHALL HAVE A DROP INLET GRATE, AND FRAME.
- 5) THE PLACING OF SMH-8 IS IN THIS CONTRACT. INSTALL 24" LONG X 14" DIA. AC. CAPPED STUD AT INLET TO MANHOLE.
- 6) THE GENERAL CONTRACTOR SHALL RELOCATE THE EXISTING OUTSIDE UNDERGROUND WIRING AND SHALL SUPPORT OR REMOVE AND RESET THE EXISTING STORM DRAIN SO AS TO FACILITATE CONSTRUCTION.
- 7) PROVIDE A FLEXIBLE JOINT ON ALL NEW OUTSIDE PIPING WITHIN 2'-0" OF PASSAGE THROUGH A STRUCTURAL WALL (EXCEPT STORM DRAIN AND GROUNDWATER DRAIN PIPING).

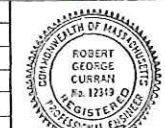
SCALE: 1"=20'

RECORD PLAN

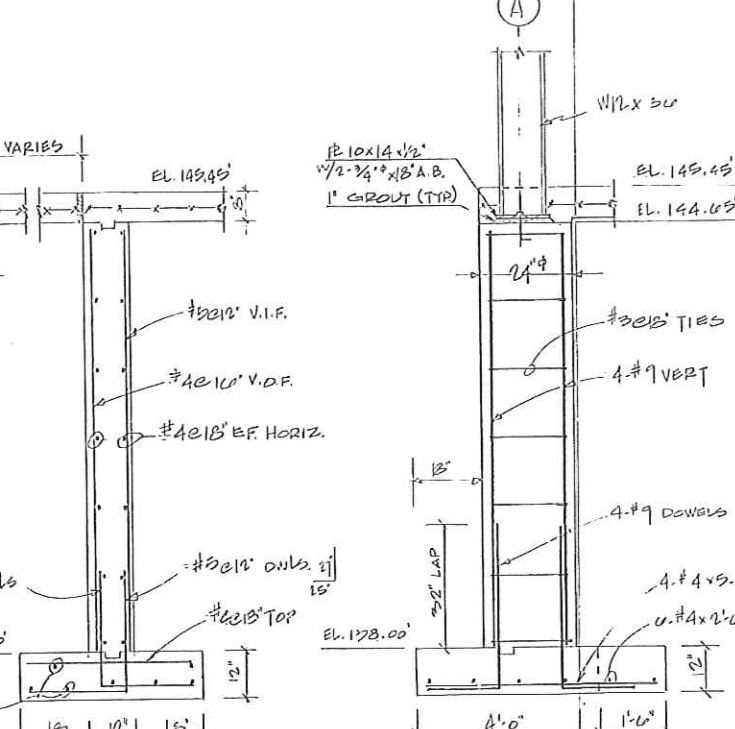
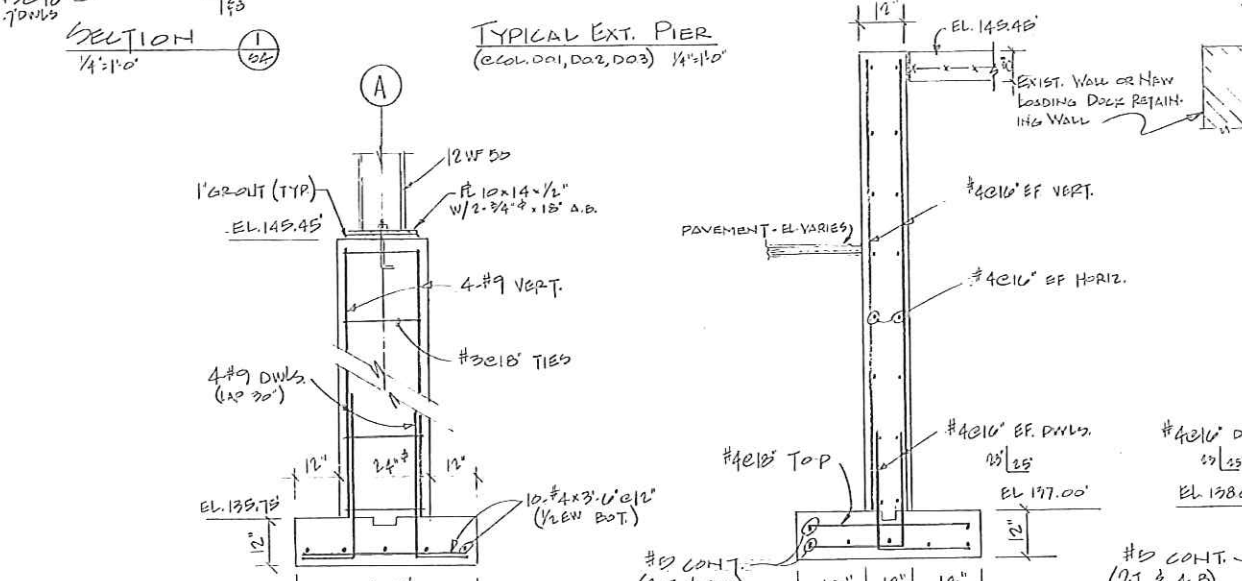
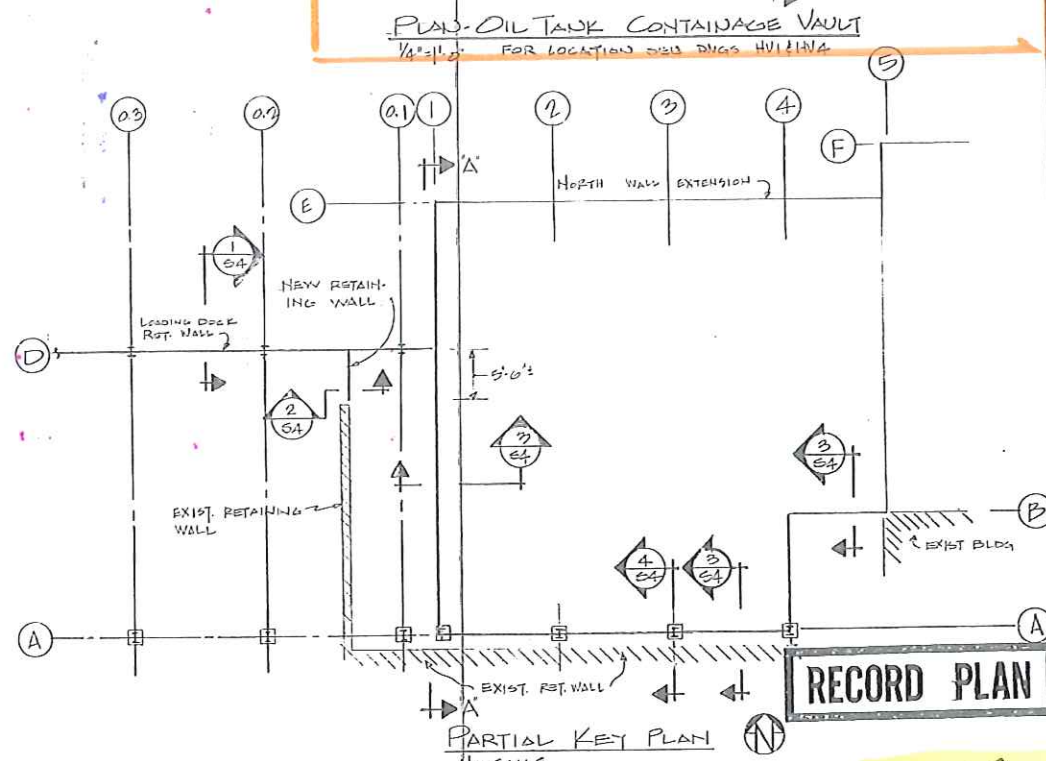
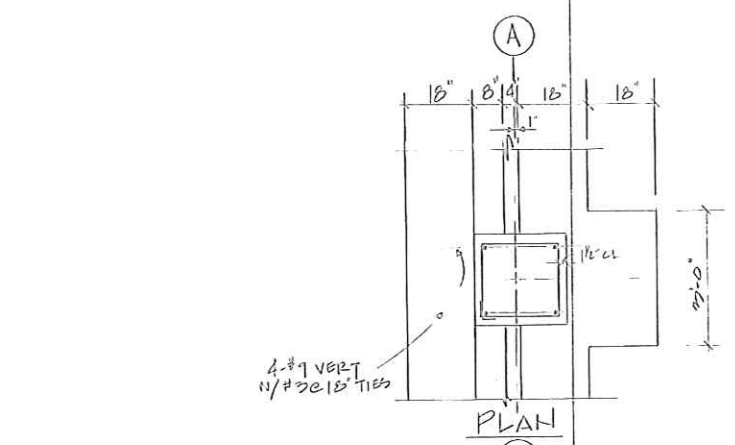
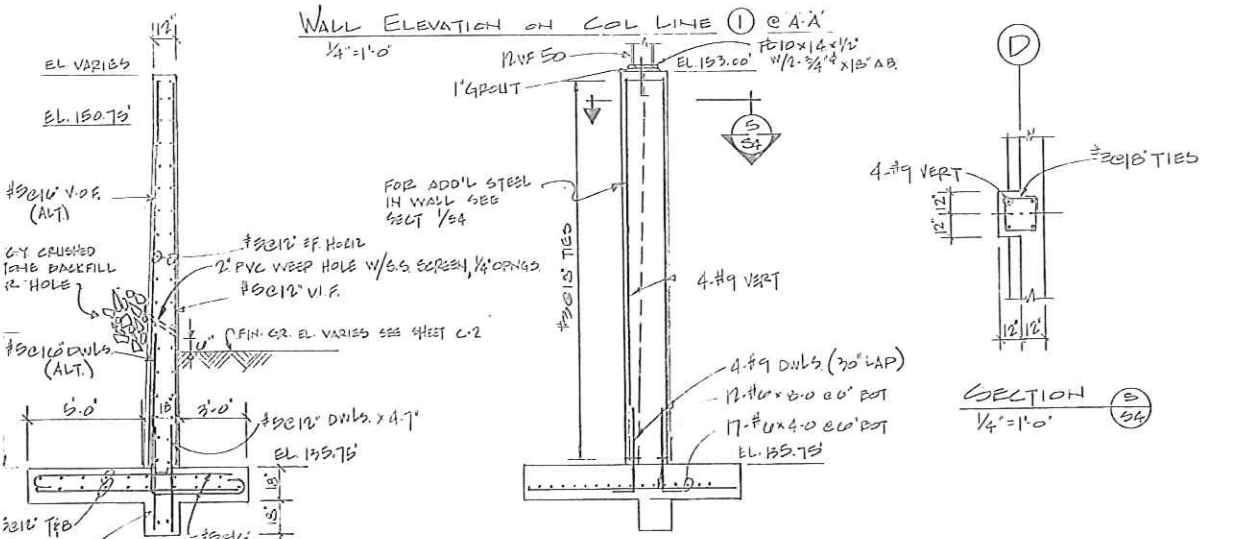
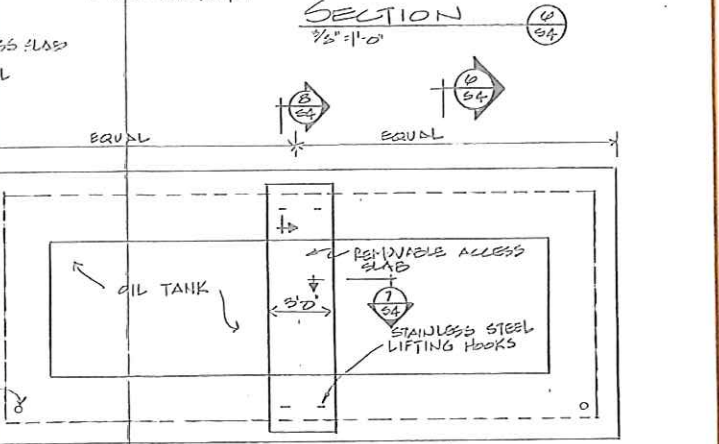
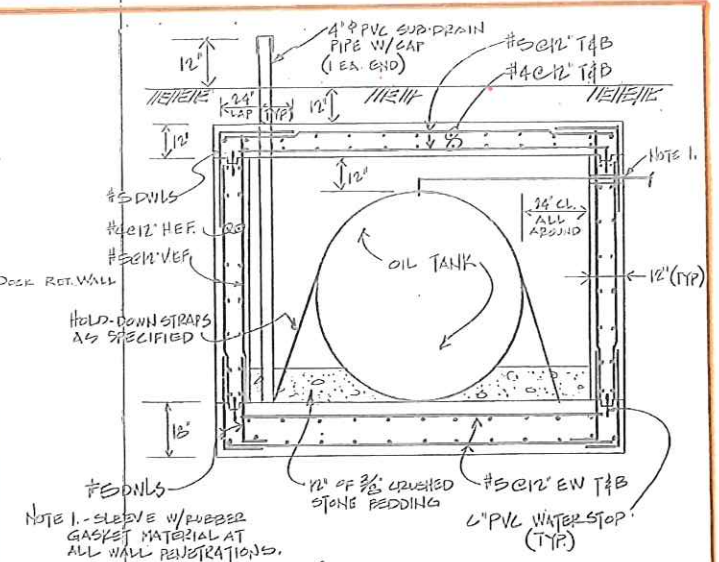
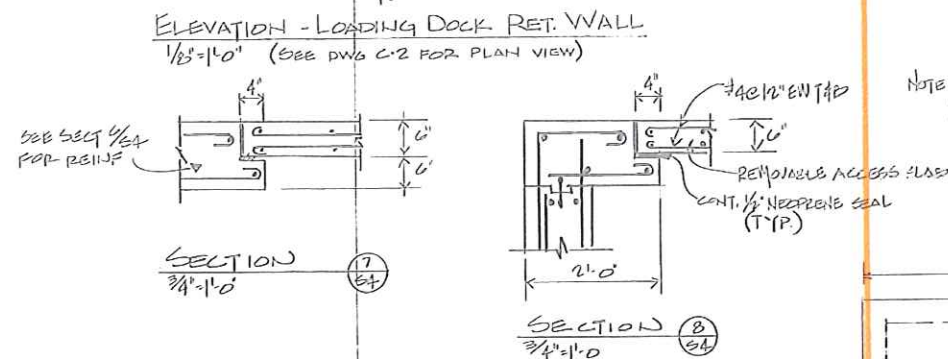
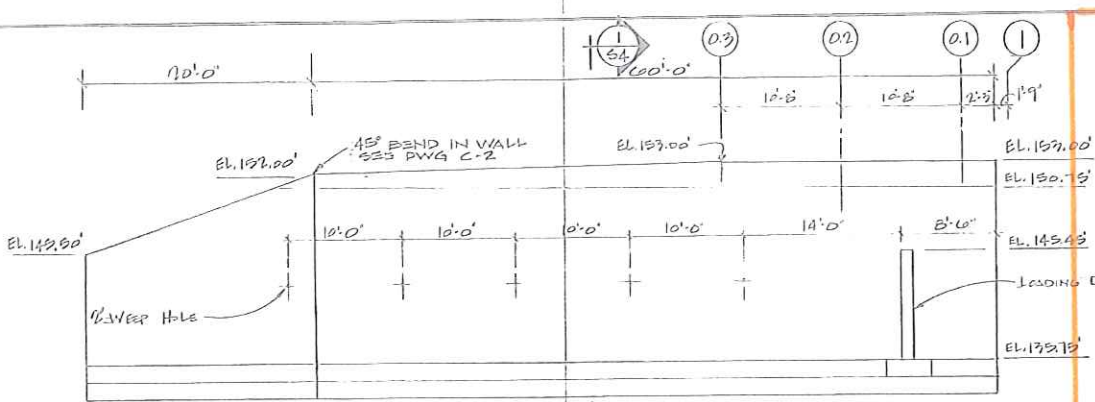
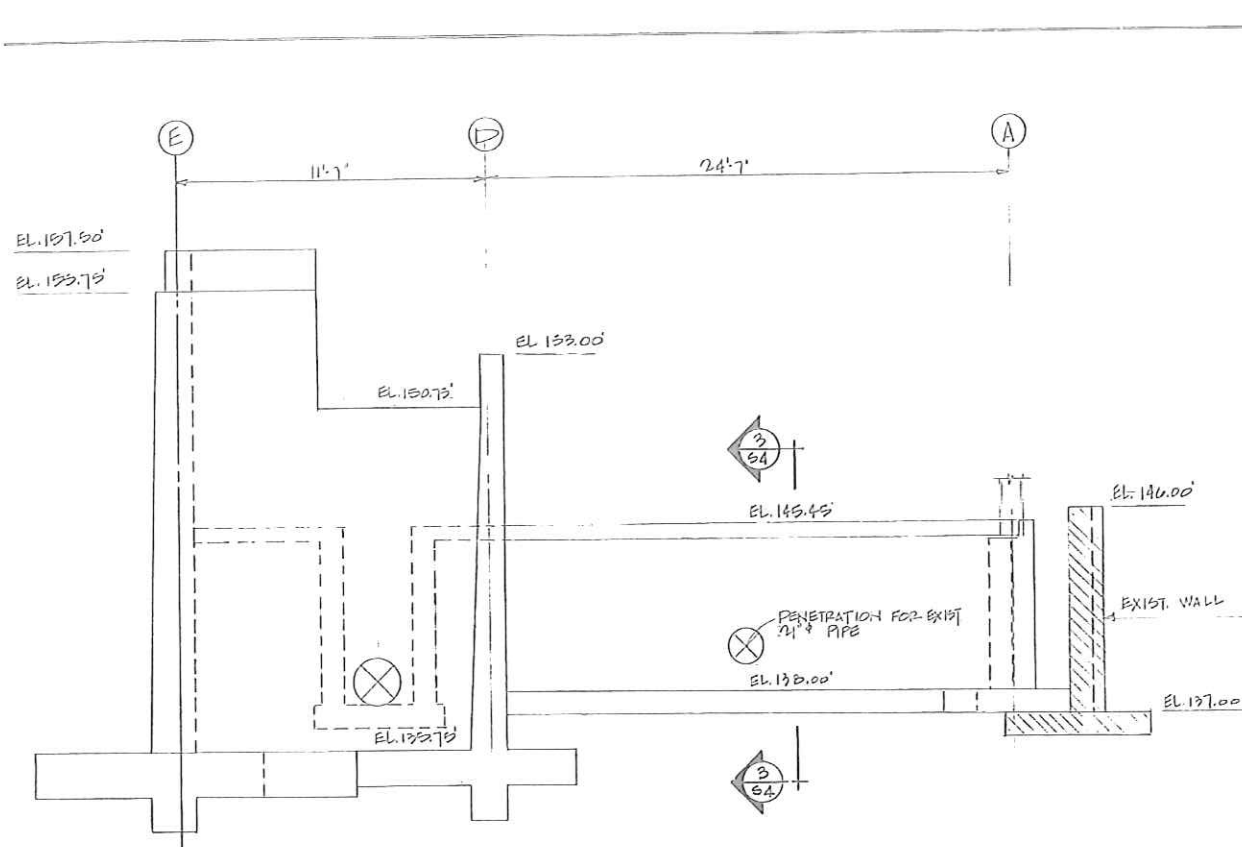
MONTAGUE, MASSACHUSETTS
WASTEWATER TREATMENT FACILITY

OUTSIDE PIPING PLAN-2
(SITE EAST)

CONSTRUCTION	
BIDDING PURPOSES	
PRELIMINARY	
DATE	RELEASED FOR
	ENGR



TANK & VAULT DETAIL



NOTE: LOCATIONS SHOWN OF THE EXISTING STRUCTURES ARE APPROXIMATE AND ARE TO BE VERIFIED DURING CONSTRUCTION.

CONSTRUCTION	
BIDDING PURPOSES	
PRELIMINARY	
DATE	RELEASED FOR
	ENGR.

MONTAGUE, MASSACHUSETTS WASTEWATER TREATMENT FACILITY	
EXISTING OPERATIONS BUILDING	

