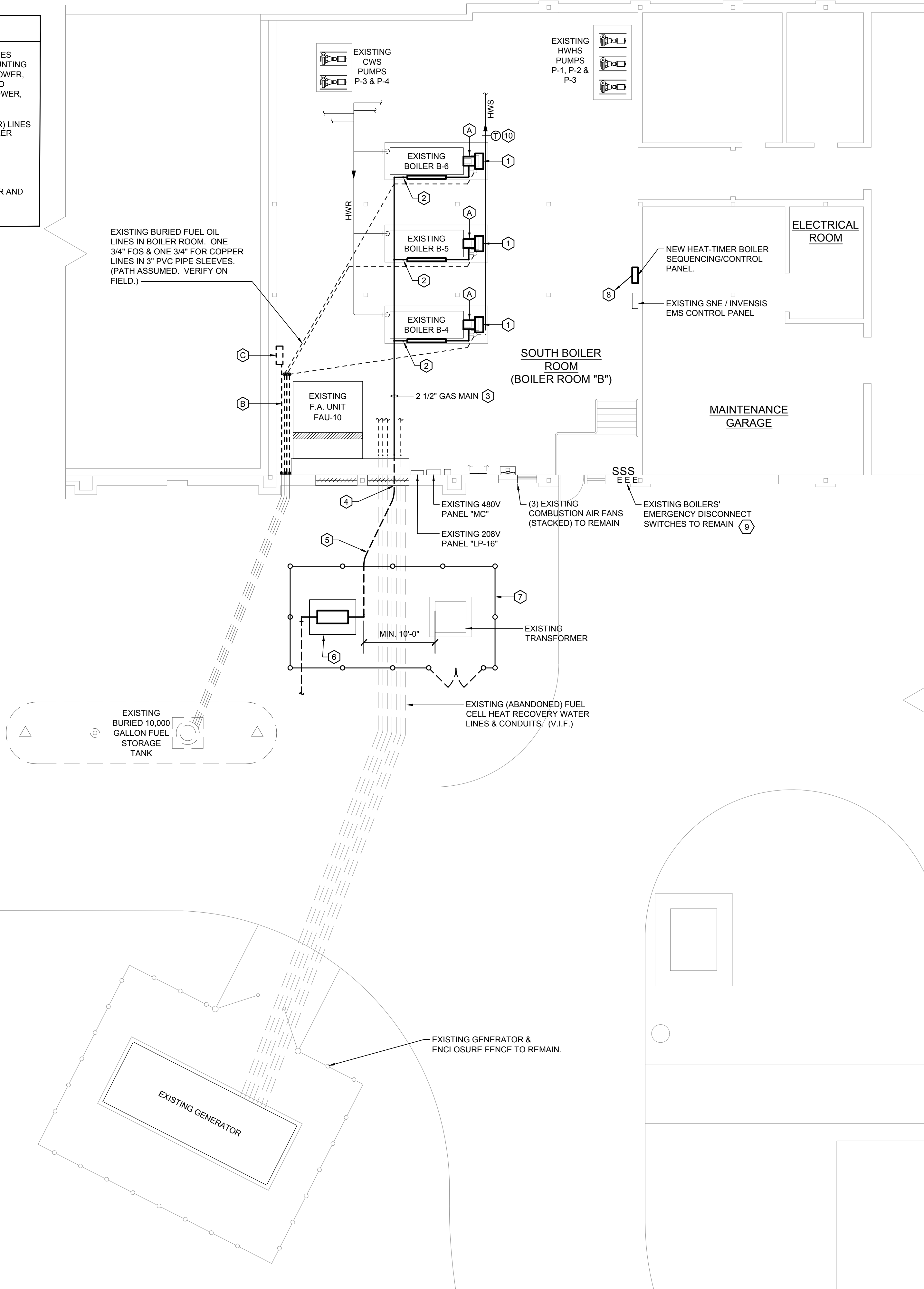


- DEMOLITION NOTES
- A

REMOVE EXISTING OIL FIRED BURNERS AND OIL PIPING AND SPECIALTIES FROM EACH OF THREE EXISTING BOILERS. REMOVE THE BURNER MOUNTING PLATES AND REPLACE WITH NEW MOUNTING PLATES. DISCONNECT POWER, CONTROL AND SAFETY WIRING AS REQUIRED. INSTALL NEW GAS FIRED BURNERS ON THREE EXISTING HEATING BOILERS AND RECONNECT POWER, CONTROL AND SAFETY WIRING.
- B

REMOVE EXISTING 3/4" FUEL OIL SUPPLY (FOS) & FUEL OIL RETURN (FOR) LINES FROM POINT OF BURIED SLEEVES TO BUILDING WALL. (KEEP ONE BOILER OPERATIONAL ON OIL UNTIL TWO BOILER ARE COMMISSIONED & OPERATIONAL ON GAS.)
- C

REMOVE EXISTING VEEDER ROOT TLS-300C FUEL OIL INVENTORY MANAGEMENT AND LEAK DETECTION PANEL. REMOVE ALL CONDUITS, TUBING AND CABLING BACK TO BUILDING ENTRY. DISCONNECT POWER AND TERMINATE IN JUNCTION BOX FOR USE BY NEW HEAT TIMER BOILER CONTROLLER.



GENERAL NOTES

THIS PROJECT REPRESENTS A FUEL CONVERSION FROM #2 FUEL OIL TO NATURAL GAS FOR THE THREE SPACE HEATING BOILERS IN THIS "SOUTH-BOILER ROOM B." ANOTHER BOILER ROOM (BOILER ROOM A) HAS ALREADY BEEN CONVERTED TO GAS.

REFER TO SPECIFICATIONS SECTIONS 15001, 15400, 15635 AND 15645 FOR DETAILS OF SUMMARY OF WORK AND MATERIALS AND WORKMANSHIP.

THIS PROJECT WILL RUN CONCURRENT WITH THE OIL TANK REMOVAL PROJECT UNDER A SEPARATE CONTRACT. COORDINATE WORK WITH THE TANK REMOVAL CONTRACTOR. IN GENERAL, THE BURNER REPLACEMENT CONTRACTOR WILL BE RESPONSIBLE FOR ALL OIL PIPING AND SPECIALTIES INSIDE THE BUILDING AND THE TANK REMOVAL CONTRACTOR WILL BE RESPONSIBLE FOR OIL PIPING, CONDUITS AND SPECIALTIES OUTSIDE THE BUILDING. THE BURNER CONTRACTOR SHALL CUT AND CAP THE OIL PIPING NEAR THE ENTRY INSIDE THE BUILDING AND CAP THE ENDS OF THE OUTSIDE LINES. THE TANK REMOVAL CONTRACTOR WILL REMOVE THE OIL PIPING AT THE BUILDING PENETRATION AND PATCH THE OPENING IN THE BUILDING.

THE TANK REMOVAL SHALL OCCUR AFTER THE GAS CONVERSION IS SUBSTANTIALLY COMPLETE TO ALLOW 2 BOILERS TO BE MADE OPERATIONAL ON GAS PRIOR TO REMOVAL OF THE OIL TANK AND PIPING. COORDINATE SCHEDULING OF WORK WITH SWPS FACILITIES STAFF AND SELECTED TANK REMOVAL CONTRACTOR.

EVERSOURCE WILL PROVIDE GAS SERVICE UP TO AND INCLUDING THE GAS METER. THE CONTRACTOR SHALL EXTEND GAS PIPING FROM THE METER OUTLET INTO THE BUILDING AND TO THE BOILERS.

NEW GAS SERVICE WILL BE 2 PSI REGULATED AT OUTLET OF METER. COORDINATE METER PREP, INSTALLATION AND LOCATION WITH EVERSOURCE. CONTACT JACK CANNONE AT 860-292-2270.

EXISTING BOILERS SHALL BE CLEANED AFTER REMOVAL OF THE EXISTING OIL BURNERS. CLEAN INTERIOR OF COMBUSTION CHAMBER AND ALL FIRESIDE FLUE PASSAGES. REFER TO SPECIFICATIONS.

GAS PIPING SHALL BE PAINTED WITH ZINC RICH PRIMER AND YELLOW PAINT.

REMOVE ANY EXISTING THIRD PARTY ENERGY MANAGEMENT/BOILER CONTROLLERS, SENSORS AND WIRING PRESENTLY MOUNTED ON SIDE OF EACH BOILER.

- MECHANICAL KEYNOTES
- 1

FURNISH & INSTALL NEW GAS BURNERS ON THREE EXISTING CAST IRON HOT WATER BOILERS. REWIRE TO EXISTING 208V-3P POWER CIRCUITS & DISCONNECTS.
- 2

2" GAS LINE FROM MAIN HEADER DOWN TO EACH NEW BURNER GAS TRAIN. CONNECT FROM GAS TRAIN TO BURNER WITH SIZE RECOMMENDED BY BURNER MANUFACTURER.
- 3

NEW 2 1/2" GAS MAIN. CAN BE RUN IN EXISTING PIPE HANGER RUN IF ROD & HANGER SIZES MATCH PIPE SIZE. SUPPLEMENT HANGERS AS NECESSARY.
- 4

RUN NEW 2 1/2" GAS LINE THROUGH EXISTING 3" SLEEVE IN BOILER ROOM WALL. PROVIDE NEW LINK SEAL AS REQUIRED.
- 5

2 1/2" BURIED PLASTIC GAS LINE FROM METER INTO BUILDING. ADAPT PLASTIC PIPE TO SCHEDULE 40 BLACK STEEL ONCE INSIDE BUILDING.
- 6

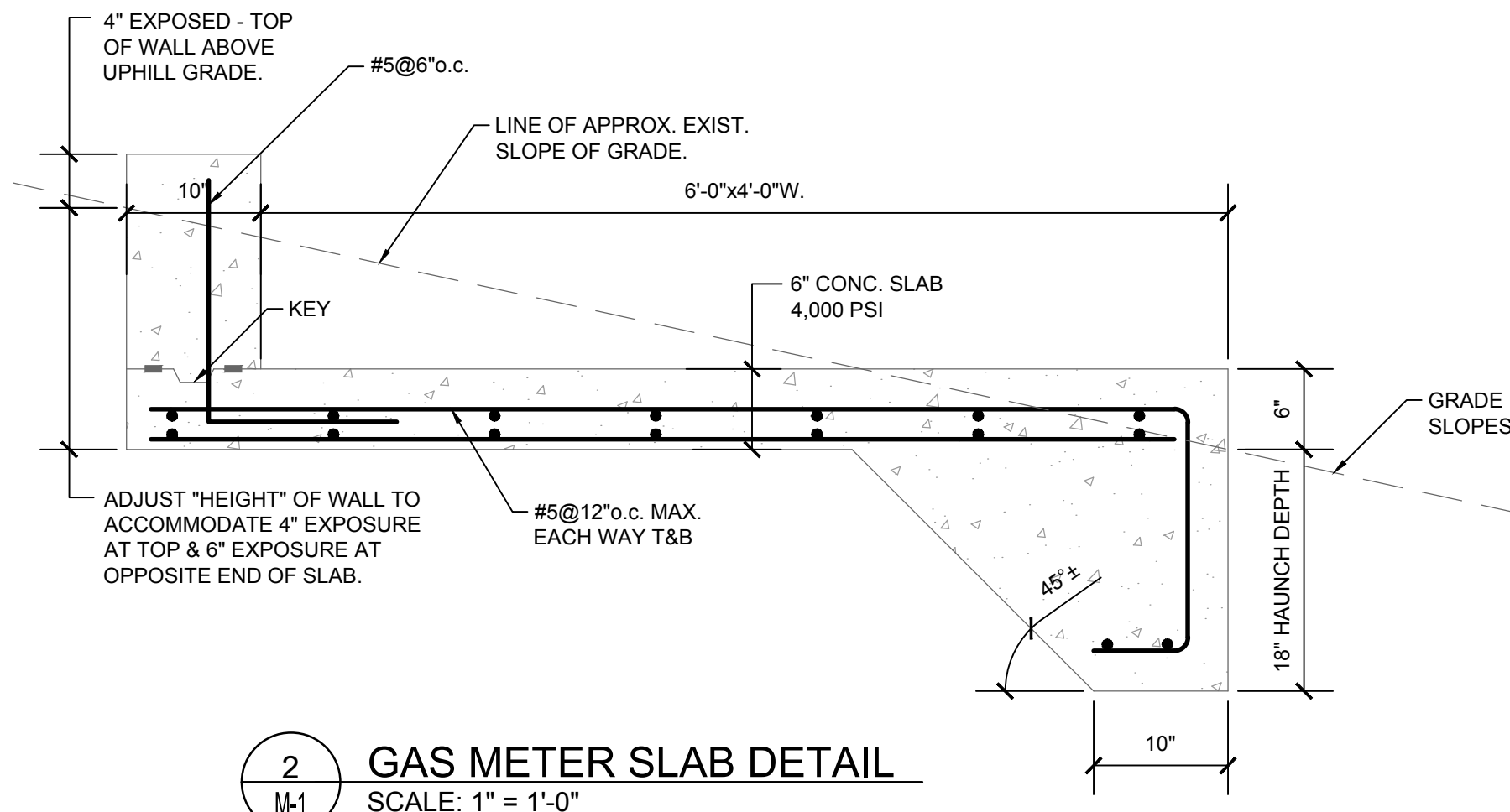
PROVIDE NEW 6"x4" CONCRETE PAD FOR NEW GAS SERVICE METER. METER & SETTING BY EVERSOURCE.
- 7

PROVIDE NEW 6'-0" HIGH VINYL COATED CHAIN LINK FENCE WITH DOUBLE GATE AROUND EXISTING ELECTRIC SERVICE TRANSFORMER AND NEW GAS METER.
- 8

PROVIDE 120V POWER TO NEW HEAT TIMER BOILER CONTROL PANEL. USE CIRCUIT #3 IN PANEL LP-16 (FORMER CIRCUIT FOR FUEL TANK MONITORING PANEL.)
- 9

EXISTING BURNER EMERGENCY SHUTOFF SWITCH TO REMAIN. REUSE AND CONNECT INTO THE EMERGENCY SHUTDOWN TERMINALS (CONTACTS) IN EACH NEW BURNER CONTROL PANEL.
- 10

INSTALL NEW HOT WATER SUPPLY TEMPERATURE SENSOR FOR HEAT TIMER CONTROLLER IN HWS MAIN.



2 GAS METER SLAB DETAIL

M-1

SCALE: 1" = 1'-0"

1 BOILER ROOM AND PARTIAL SITE PLAN

M-1

1/8" = 1'-0"

SEAL

CONSULTANTS

SUBMISSION HISTORY

JOB INFO

**BOILER ROOM B
FUEL
CONVERSION
for
South Windsor
High School
161 Nevers Rd.
South Windsor,
CT 06074**

DWG DATA

PROJECT NUMBER: 19-303
SUBMISSION DATE: 08/07/2019
DRAWN: JP
REVIEWED: JP
SCALE: 1/8" = 1'-0"

DWG TITLE

**BOILER FUEL
CONVERSION
PLAN**

DWG #

M-1