

**ADJACENT BUILDING D**  
**1 PLUMBING DEMOLITION UNDERGROUND**  
 SCALE: 1/4" = 1'-0"

NOTE:  
 UNDERGROUND PIPING IS APPROXIMATE. PRIOR TO TRENCHING FLOOR, CONTRACTOR SHALL FIELD VERIFY ROUTING OF UNDERGROUND PIPING. REFER TO GC PLANS FOR ALL TRENCHING REQUIRED FOR DEMOLITION OF UNDERGROUND PIPING.

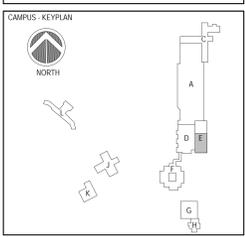
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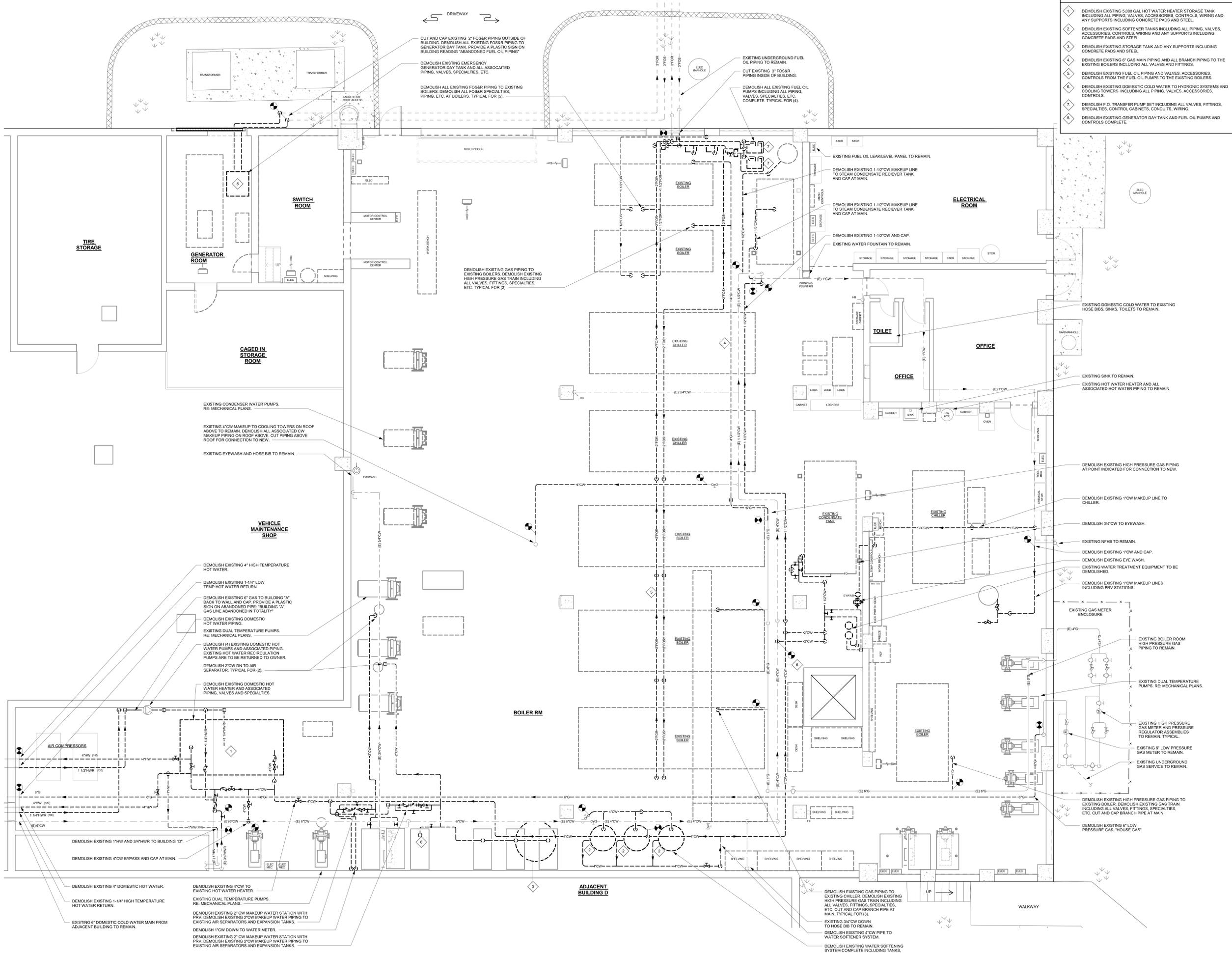
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PROJECT  
 CAPITAL PROJECT 4466  
 BUILDING E UTILITY PLANT  
 RENOVATION & IMPROVEMENTS  
 DR. ROBERT L. YEAGER HEALTH CENTER  
 50 SANATORIUM ROAD,  
 POMONA, NY 10970

DRAWING TITLE  
**PLUMBING DEMOLITION UNDERGROUND**

SCALE	PROJECT NO.
1/4" = 1'-0"	NRCK0016.00
DRAWN BY	DRAWING NO.
JRT	
CHECKED BY	
RS	
DATE	
04-28-2020	

**P1.0**



- ### PLUMBING DEMOLITION NOTES
- DEMOLISH EXISTING 5,000 GAL HOT WATER HEATER STORAGE TANK INCLUDING ALL PIPING, VALVES, ACCESSORIES, CONTROLS, WIRING AND ANY SUPPORTS INCLUDING CONCRETE PADS AND STEEL.
  - DEMOLISH EXISTING SOFTENER TANKS INCLUDING ALL PIPING, VALVES, ACCESSORIES, CONTROLS, WIRING AND ANY SUPPORTS INCLUDING CONCRETE PADS AND STEEL.
  - DEMOLISH EXISTING STORAGE TANK AND ANY SUPPORTS INCLUDING CONCRETE PADS AND STEEL.
  - DEMOLISH EXISTING 6" GAS MAIN PIPING AND ALL BRANCH PIPING TO THE EXISTING BOILERS INCLUDING ALL VALVES AND FITTINGS.
  - DEMOLISH EXISTING FUEL OIL PIPING AND VALVES, ACCESSORIES, CONTROLS FROM THE FUEL OIL METER TO THE EXISTING BOILERS.
  - DEMOLISH EXISTING DOMESTIC COLD WATER TO HYDRONIC SYSTEMS AND COOLING TOWERS INCLUDING ALL PIPING, VALVES, ACCESSORIES, CONTROLS.
  - DEMOLISH F.O. TRANSFER PUMP SET INCLUDING ALL VALVES, FITTINGS, SPECIALTIES, CONTROL CABINETS, CONDUITS, WIRING.
  - DEMOLISH EXISTING GENERATOR DAY TANK AND FUEL OIL PUMPS AND CONTROLS COMPLETE.

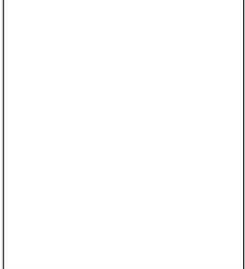
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**CAMPUS KEYPLAN**

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**BUILDING E UTILITY PLANT**  
**RENOVATION & IMPROVEMENTS**  
**DR. ROBERT L. YEAGER HEALTH CENTER**  
**50 SANATORIUM ROAD,**  
**POMONA, NY 10970**

**DRAWING TITLE**  
**PLUMBING DEMOLITION**  
**FLOOR PLAN**

**SCALE**  
 1/4" = 1'-0"

**DRAWN BY**  
 JRT

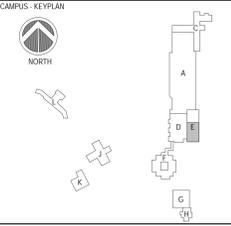
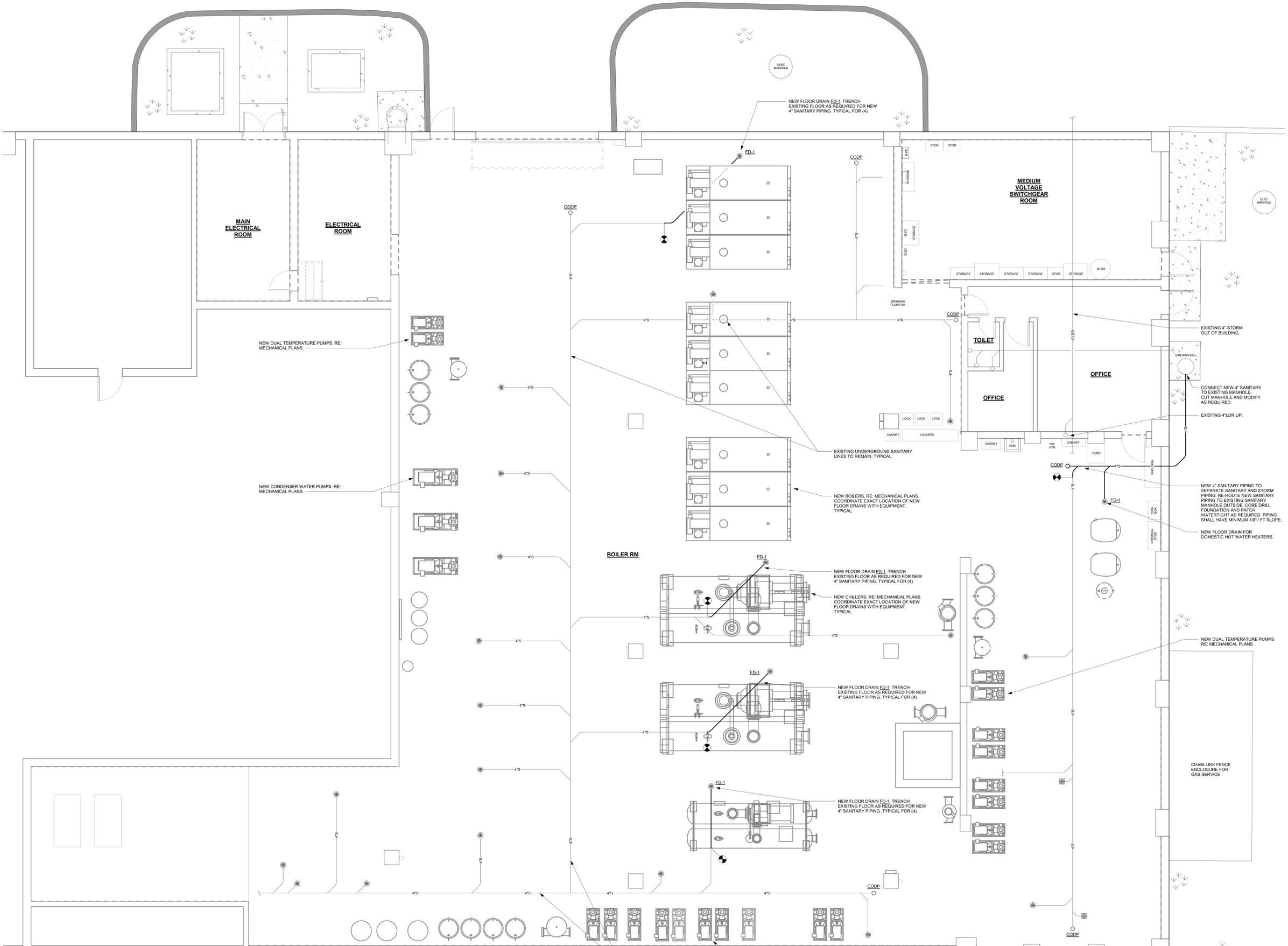
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**DATE**  
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**PROJECT NO.**  
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**P1.1**

**PLUMBING DEMOLITION FLOOR PLAN**  
 SCALE: 1/4" = 1'-0"



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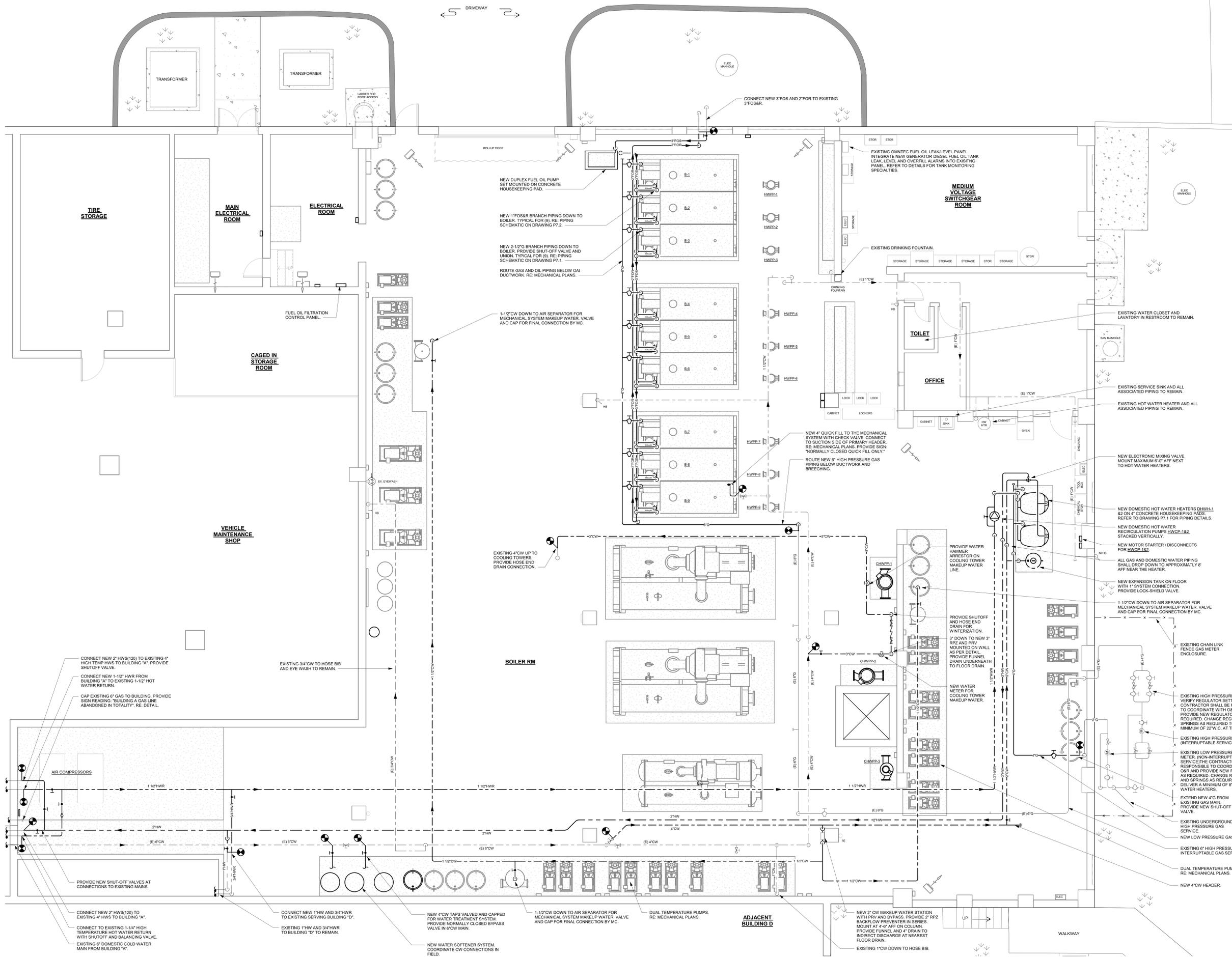
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**DRAWING TITLE**  
 PLUMBING NEW WORK UNDERGROUND

SCALE	PROJECT NO.
1/4" = 1'-0"	NRCK0016.00
<b>DRAWN BY</b> JRT	<b>DRAWING NO.</b> P2.0
<b>CHECKED BY</b> RS	<b>DATE</b> 04-28-2020

**1 PLUMBING NEW WORK UNDERGROUND**  
 SCALE: 1/4" = 1'-0"

- NOTES:**
- UNDERGROUND PIPING IS APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY ROUTING OF UNDERGROUND PIPING. REFER TO GC PLANS FOR ALL TRENCHING REQUIRED FOR NEW UNDERGROUND PIPING. FLOORS SHALL BE PATCHED TO MATCH EXISTING.
  - ALL WORK IS NEW UNLESS OTHERWISE NOTED.
  - COORDINATE ALL NEW UNDERGROUND PIPING WITH EXISTING TO ENSURE MINIMUM 1/8" / FT SLOPE.



CONNECT NEW 2" HW(120) TO EXISTING 4" HIGH TEMP HW'S TO BUILDING "A". PROVIDE SHUTOFF VALVE.

CONNECT NEW 1-1/2" HW(120) FROM BUILDING "A" TO EXISTING 1-1/2" HOT WATER RETURN.

CAP EXISTING 6" GAS TO BUILDING. PROVIDE SIGN READING "BUILDING A GAS LINE ABANDONED IN TOTALITY". RE: DETAIL.

PROVIDE NEW SHUTOFF VALVES AT CONNECTIONS TO EXISTING MAINS.

CONNECT NEW 2" HW(120) TO EXISTING 4" HW'S TO BUILDING "A".

CONNECT TO EXISTING 1-1/4" HIGH TEMPERATURE HOT WATER RETURN WITH SHUTOFF AND BALANCING VALVE.

EXISTING 4" DOMESTIC COLD WATER MAIN FROM BUILDING "A".

CONNECT NEW 1-1/2" HW(120) AND 3/4" HW(120) TO EXISTING SERVING BUILDING "D".

EXISTING 1-1/4" HW(120) AND 3/4" HW(120) TO BUILDING "D" TO REMAIN.

NEW 4" CW TAPS VALVED AND CAPPED FOR WATER TREATMENT SYSTEM. PROVIDE NORMALLY CLOSED BYPASS VALVE IN 6" CW MAIN.

NEW WATER SOFTENER SYSTEM COORDINATE CW CONNECTIONS IN FIELD.

1-1/2" CW DOWN TO AIR SEPARATOR FOR MECHANICAL SYSTEM MAKEUP WATER. VALVE AND CAP FOR FINAL CONNECTION BY MC.

DUAL TEMPERATURE PUMPS. RE: MECHANICAL PLANS.

NEW 2" CW MAKEUP WATER STATION WITH PRV AND BYPASS. PROVIDE 2" RPZ BACKFLOW PREVENTER IN SERIES. MOUNT AT 4" AFF ON COLLING. PROVIDE FUNNEL AND 4" DRAIN TO INDIRECT DISCHARGE AT NEAREST FLOOR DRAIN.

EXISTING 1" CW DOWN TO HOSE BIB.

**PLUMBING NEW WORK FLOOR PLAN**  
SCALE: 1/4" = 1'-0"

NOTES:  
1. ALL WORK IS NEW UNLESS OTHERWISE NOTED.

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**KEYPLAN**  
BUILDING E AREA OF WORK

**CAMPUS KEYPLAN**  
NORTH

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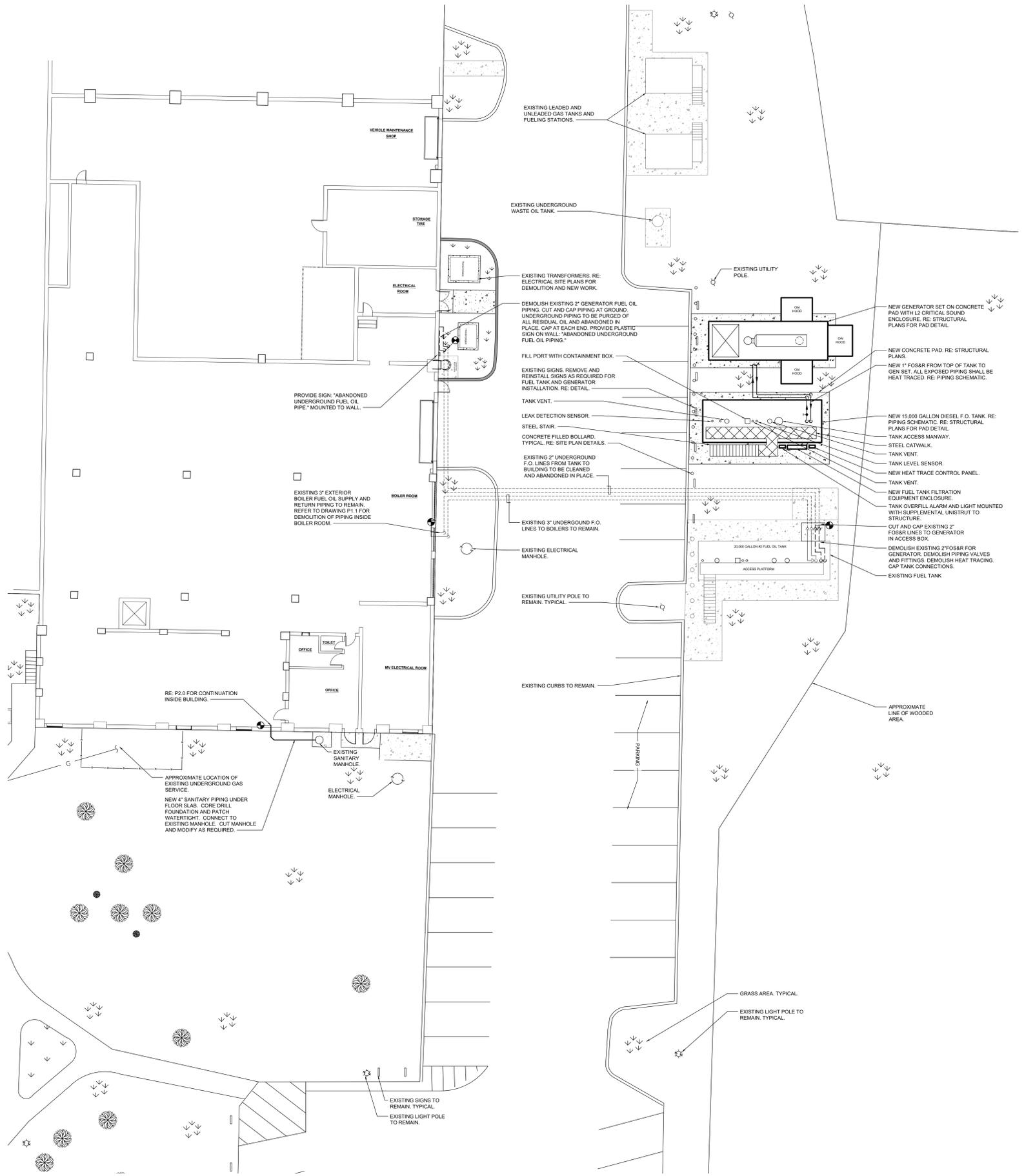
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**DRAWING TITLE**  
PLUMBING NEW WORK  
FLOOR PLAN

SCALE	1/4" = 1'-0"	PROJECT NO.	NRCK0016.00
DRAWN BY	Author	DRAWING NO.	
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DATE	04-28-2020		





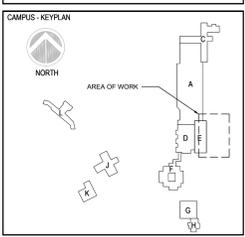
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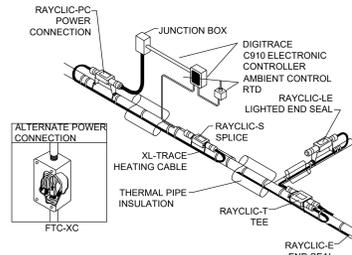
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**DRAWING TITLE**  
 PLUMBING SITE PLAN

SCALE	PROJECT NO.
NONE	NRCK0016.00
DRAWN BY NW	DRAWING NO.
CHECKED BY RIS	<b>P3.1</b>
DATE 04-28-2020	

**1 PLUMBING SITE PLAN**  
 SCALE: 1" = 10'-0"

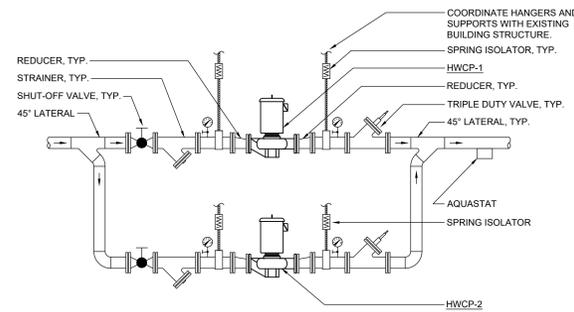




GENERAL PIPE FREEZE PROTECTION  
TYPICAL ABOVE GROUND PIPING  
INSTALLATION DETAIL

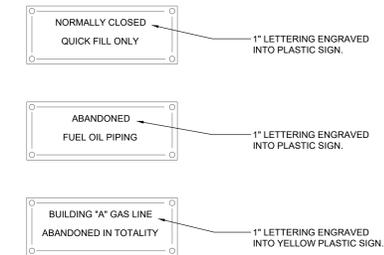
- NOTE:
1. SYSTEM BASED ON PENTAIR RAYCHEM XL TRACE.
  2. REFER TO ELECTRICAL DRAWINGS FOR POWER & CIRCUITING OF HEAT TRACE SYSTEM.
  3. ELECTRICAL HEAT TRACE CONTROLLER LOCATED IN NEMA 4X ENCLOSURE MOUNTED ON STAND NEXT TO NEW FUEL OIL TANK.

**7 HEAT TRACE SYSTEM SCHEMATIC**  
SCALE: NONE

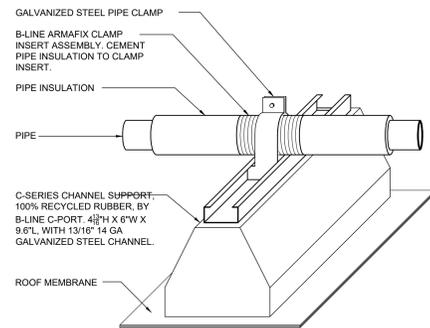


- NOTES:
1. HANG PUMPS FROM BUILDING STRUCTURE WITH SPRING-TYPE VIBRATION ISOLATORS.
  2. NEW PIPING NEAR NEW DOMESTIC HOT WATER HEATERS SHALL BE 7'-6" AFF.

**4 INLINE DOMESTIC HOT WATER RECIRCULATING PUMP SCHEMATIC**  
SCALE: NONE

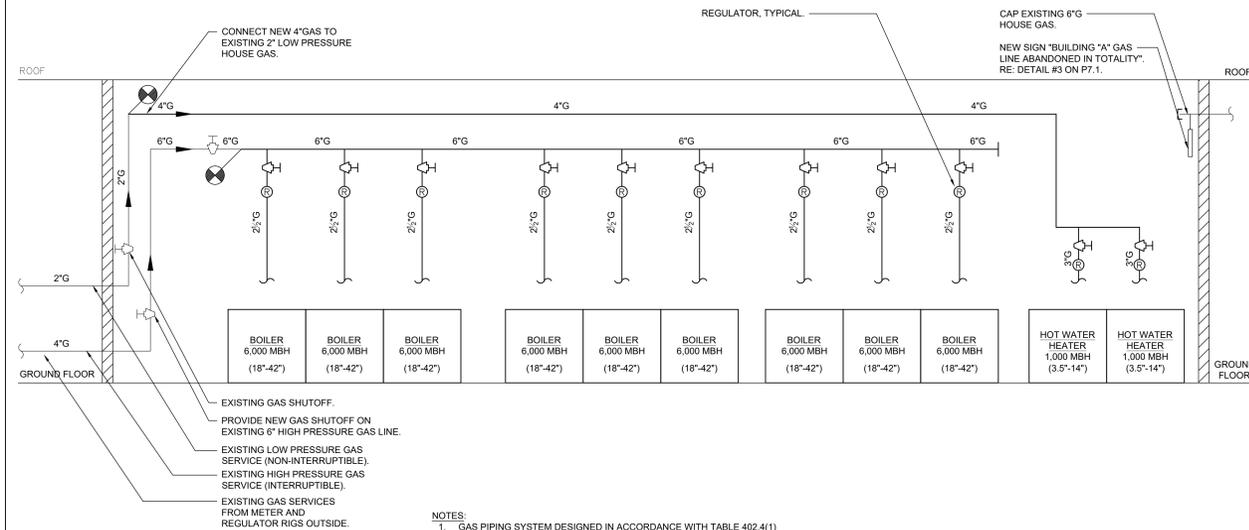


**3 TYPICAL SIGNS**  
SCALE: NONE



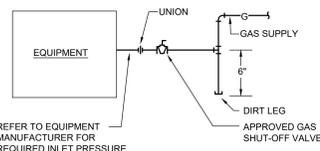
- NOTES:
1. ALL BRACKETS, HANGERS, AND FASTENERS SHALL BE GALVANIZED STEEL.
  2. CLAMP INSERT ASSEMBLY SHALL INCLUDE GALVANIZED STEEL PIPE CLAMP, ARMAFLEX INSULATION WITH PAINTED ALUMINUM JACKET, AND INTERIOR SUPPORTS.
  3. CEMENT RUBBER SUPPORT BLOCKS TO ROOF - USE ONLY MATERIALS COMPATIBLE WITH THE ROOFING SYSTEM.

**6 ROOF PIPE SUPPORT DETAIL**  
SCALE: NONE

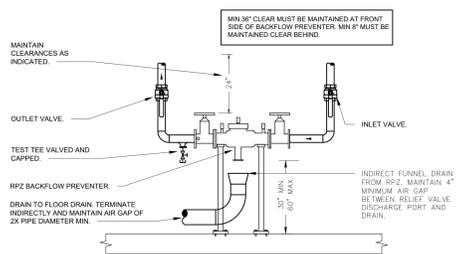


- NOTES:
1. GAS PIPING SYSTEM DESIGNED IN ACCORDANCE WITH TABLE 402.4(1) OF THE 2020 NYS FUEL GAS CODE. MINIMUM ALLOWABLE PRESSURE DROP OF 0.3" WC

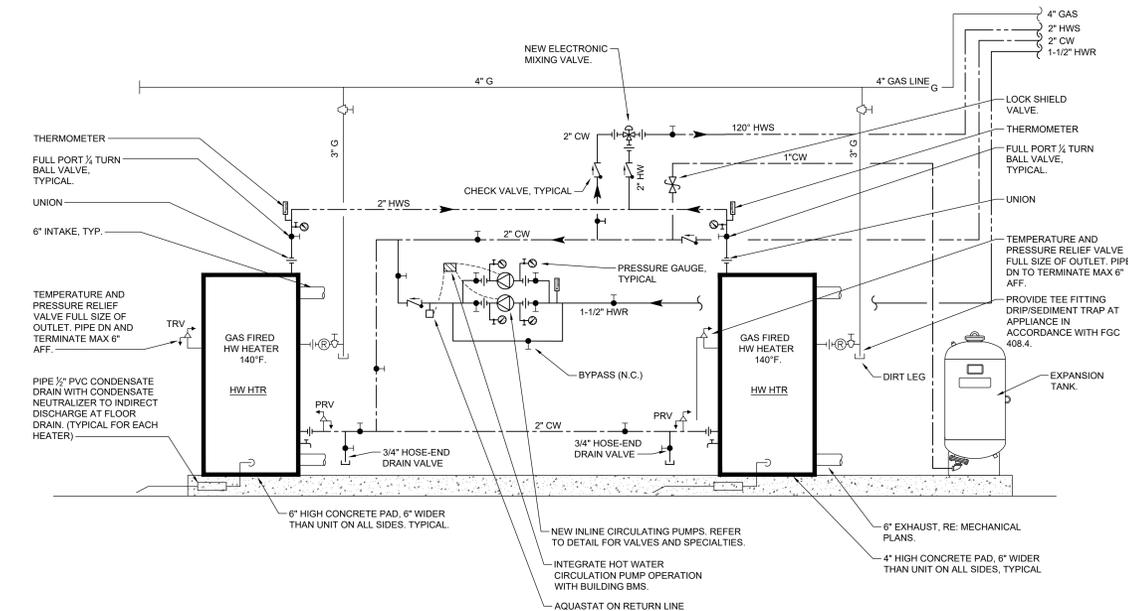
**2 PLUMBING GAS RISER SCHEMATIC**  
SCALE: NONE



**# GAS CONNECTION SCHEMATIC**  
SCALE: NONE



**5 RPZ BACKFLOW PREVENTER DETAIL**  
SCALE: NONE



**1 HOT WATER HEATER SCHEMATIC**  
SCALE: NONE

KEYPLAN

CAMPUS-KEYPLAN

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DRAWING TITLE: PLUMBING DETAILS

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