

SCOFIELD SCHOOL

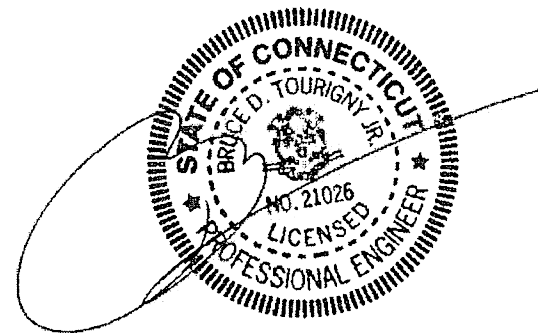
HOT WATER PIPE

641 SCHOFIELDTOWN RD
STAMFORD, CT 06903



DRAWING INDEX

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Collective Design Associates, INC

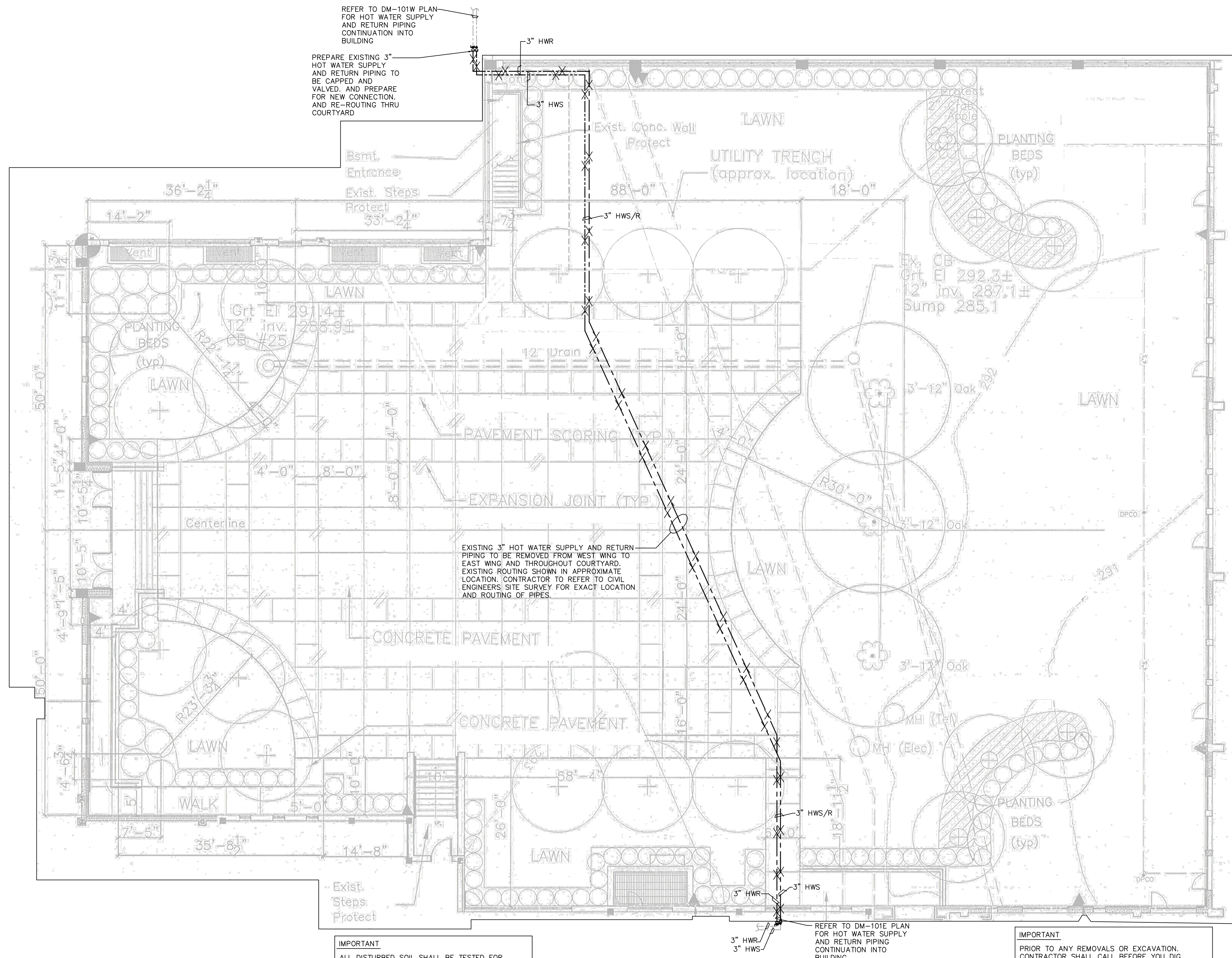
PROFESSIONAL ENGINEERS

46 Riverside Avenue
Westport, CT 06880
Phone (203) 299-0250
CDA PROJECT# 2021.138

PLAN SUBMISSION

SUBMISSION:	ISSUED FOR PERMIT	DATE:	3.18.2022
SUBMISSION:		DATE:	
SUBMISSION:		DATE:	
SUBMISSION:		DATE:	

CS-000



REFER TO DM-101W PLAN FOR HOT WATER SUPPLY AND RETURN PIPING CONTINUATION INTO BUILDING

PREPARE EXISTING 3\"/>

EXISTING 3\"/>

REFER TO DM-101E PLAN FOR HOT WATER SUPPLY AND RETURN PIPING CONTINUATION INTO BUILDING

IMPORTANT

ALL DISTURBED SOIL SHALL BE TESTED FOR CONTAMINATION. FOR SOIL IN AREAS OF REMOVAL ALL SOIL SHALL BE REMOVED FROM SITE AND LEGALLY DISPOSED OF AND NEW CLEAN FILL PROVIDED. PROVIDE TRANSPORT AND DISPOSAL LOGS.

IMPORTANT

PRIOR TO REMOVAL OF ANY SLAB/UNDERGROUND PIPING THE PLUMBING CONTRACTOR SHALL UTILIZE GROUND PENETRATING RADAR TO ENSURE NO OTHER ITEMS ARE LOCATED BELOW THE SLAB AND AS WELL TO LOCATE THE UNDERGROUND PLUMBING PIPING

IMPORTANT

PRIOR TO ANY REMOVALS OR EXCAVATION, CONTRACTOR SHALL CALL BEFORE YOU DIG. #811 AND GO TO CBYD.COM AND FILL OUT THE CONTRACTOR ON LINE REQUEST.

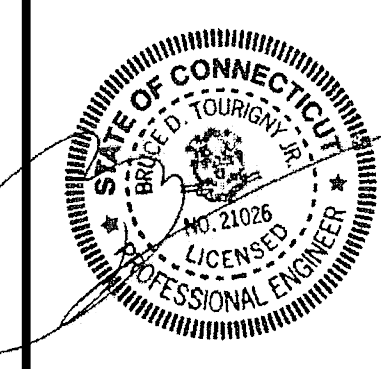
IMPORTANT

ANY CONCRETE PADS THAT IS DAMAGED OR DISTURBED DURING EXCAVATION SHALL BE REPLACED WITH NEW CONCRETE PADS TO MATCH EXISTING. 5000 PSI STEEL REINFORCED SUBMIT SAMPLE TO CITY OF STAMFORD AND ENGINEER FOR REVIEW AND APPROVAL

CONTRACTOR TO PROVIDE TESTING REPORT FOR ALL SOIL. SUBMIT TO CITY PRIOR TO REMOVAL. CONTRACTOR TO REMOVE ALL SOIL OFF SITE. PROVIDE TRANSPORT AND DISPOSAL LOGS.

1 MECHANICAL HVAC PIPING DEMOLITION COURTYARD PLAN
DM-101 C SCALE: 1/8\"/>

SCOFIELD SCHOOL HOT WATER PIPE
641 SCOFIELDTOWN RD
STAMFORD, CT 06903



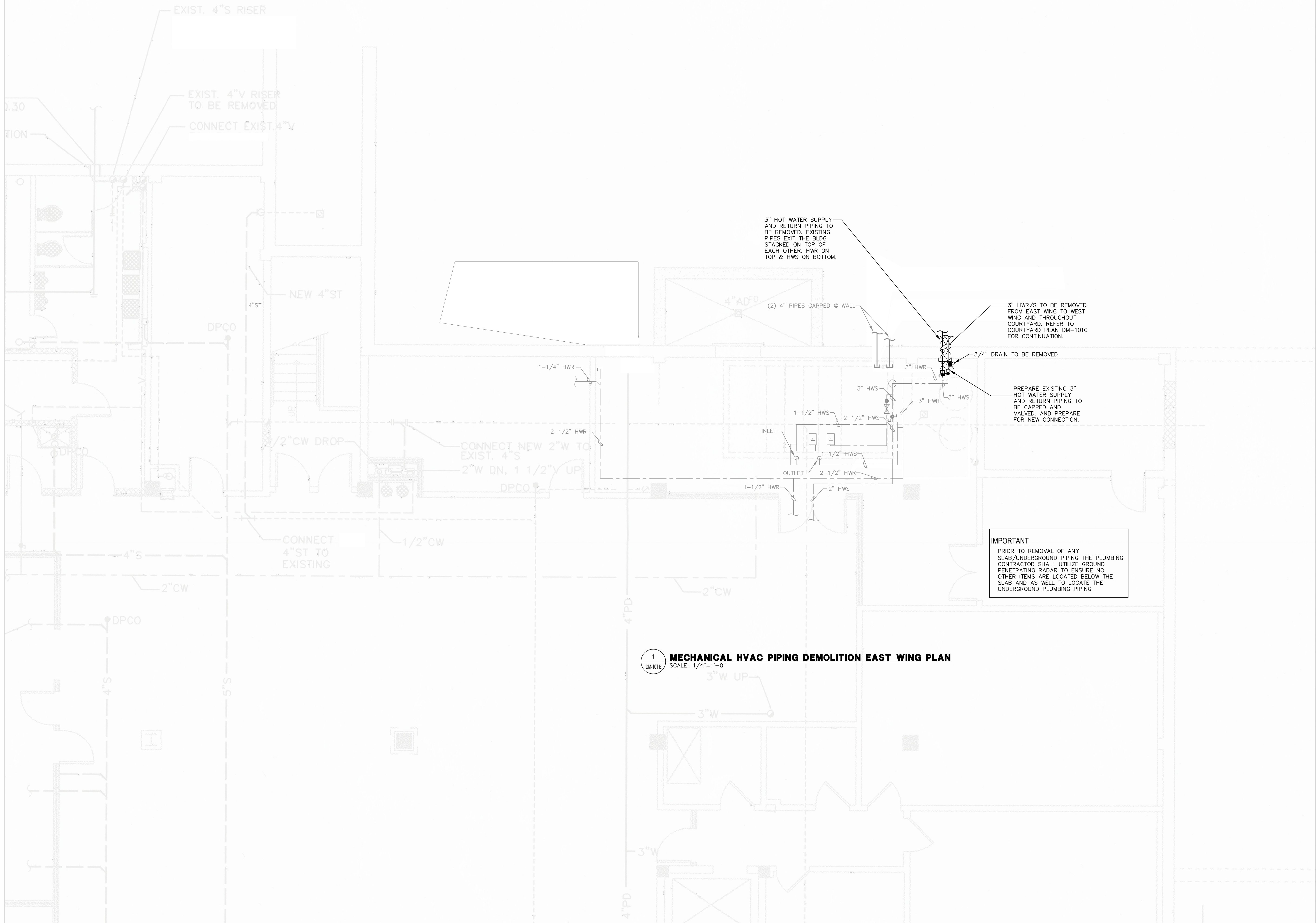
DRAWING TITLE: MECHANICAL HVAC PIPING DEMOLITION COURTYARD PLAN

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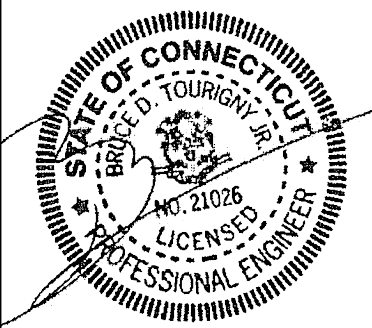
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SCOFIELD SCHOOL HOT WATER PIPE
641 SCOFIELDTOWN RD
STAMFORD, CT 06903



DRAWING TITLE: MECHANICAL HVAC PIPING DEMOLITION EAST WING PLAN

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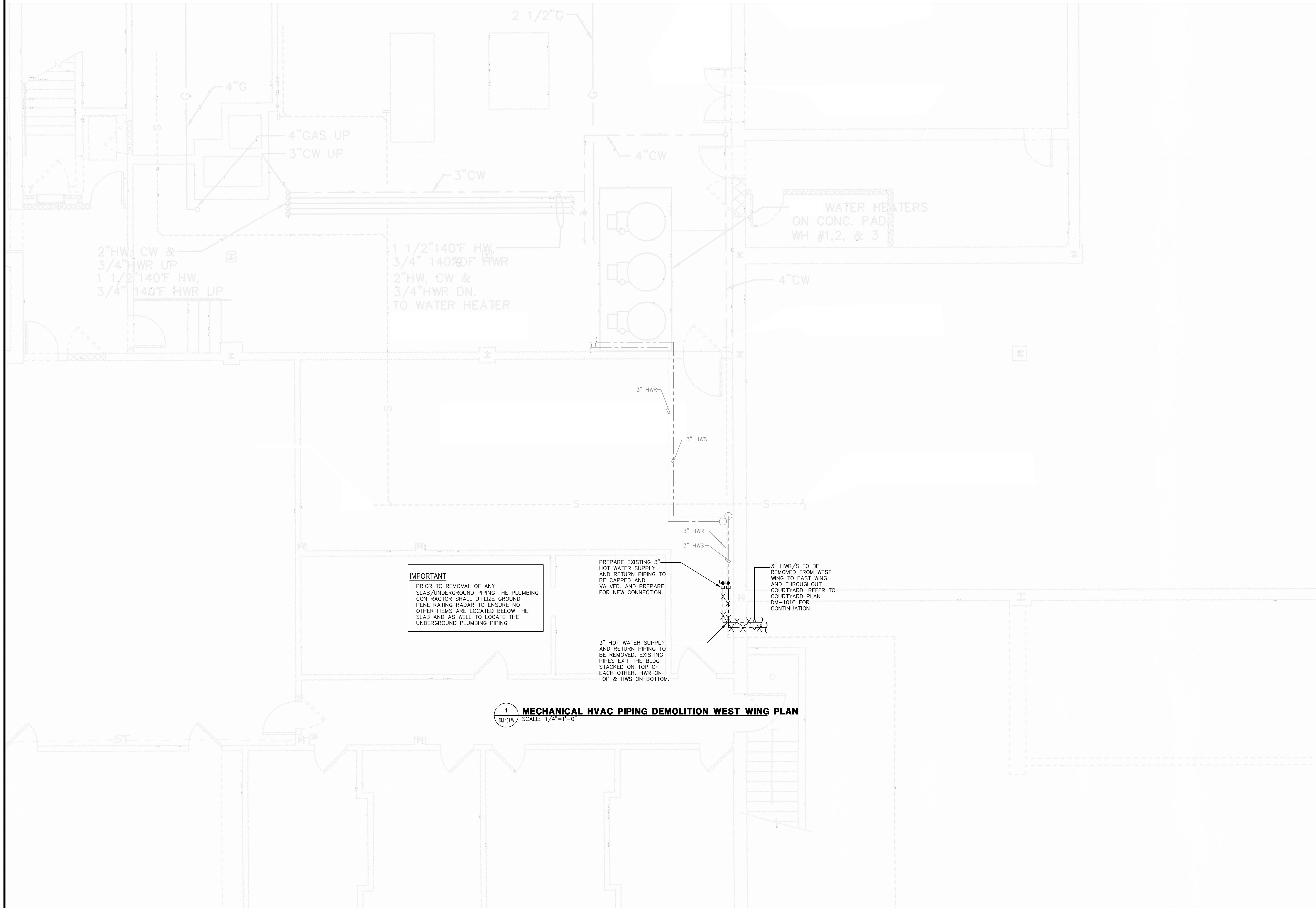
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DM-101 E

JOB NO:
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IMPORTANT
PRIOR TO REMOVAL OF ANY
SLAB/UNDERGROUND PIPING THE PLUMBING
CONTRACTOR SHALL UTILIZE GROUND
PENETRATING RADAR TO ENSURE NO
OTHER ITEMS ARE LOCATED BELOW THE
SLAB AND AS WELL TO LOCATE THE
UNDERGROUND PLUMBING PIPING

PREPARE EXISTING 3"
HOT WATER SUPPLY
AND RETURN PIPING TO
BE CAPPED AND
VALVED. AND PREPARE
FOR NEW CONNECTION.

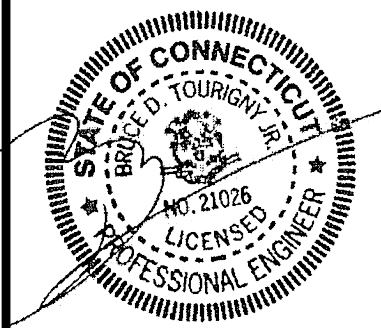
3" HOT WATER SUPPLY
AND RETURN PIPING TO
BE REMOVED. EXISTING
PIPES EXIT THE BLDG
STACKED ON TOP OF
EACH OTHER. HWR ON
TOP & HWS ON BOTTOM.

3" HWR/S TO BE
REMOVED FROM WEST
WING TO EAST WING
AND THROUGHOUT
COURTYARD. REFER TO
COURTYARD PLAN
DM-101C FOR
CONTINUATION.

1
DM-101 W SCALE: 1/4"=1'-0"

MECHANICAL HVAC PIPING DEMOLITION WEST WING PLAN

SCOFIELD SCHOOL HOT WATER PIPE
641 SCOFIELDTOWN RD
STAMFORD, CT 06903



DRAWING TITLE: MECHANICAL HVAC PIPING DEMOLITION WEST WING PLAN

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SHEET NO:

DM-101 W

JOB NO:
2021.138

MECHANICAL GENERAL NOTES:

1. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR NECESSARY TO INSTALL NEW MECHANICAL SYSTEMS AS INDICATED ON THE DRAWINGS.
2. ALL WORK TO BE IN ACCORDANCE WITH STATE AND LOCAL BUILDING CODES AND REQUIREMENTS, N.F.P.A. 90, S.M.A.C.N.A. STANDARDS AND OWNER'S REQUIREMENTS AND ALL OTHER BOARDS HAVING JURISDICTION. INTERNATIONAL MECHANICAL CODE 2015, INTERNATIONAL BUILDING CODE 2015
3. GUARANTEE:

HEATING SYSTEM: 1 YEAR PLUS ANY TIME TO INCLUDE A FULL HEATING SEASON
4. THE CONTRACTOR SHALL VISIT THE SITES OF WORK AND BECOME THOROUGHLY FAMILIAR WITH ALL CONDITIONS AND LIMITATIONS.
5. THE CONTRACTOR SHALL PROVIDE ALL REQUIRED MEMBERS TO SUPPORT EQUIPMENT AND PIPING.
6. THE CONTRACTOR SHALL PREPARE AS-BUILT SHOP DRAWINGS ON REPRODUCIBLE MYLAR MEDIA AND AUTOCAD 2020 FORMAT. SUBMIT FOR APPROVAL.
7. H.V.A.C. CONTRACTOR SHALL SUPPLY AND INSTALL DIELECTRIC FITTINGS BETWEEN ANY DISSIMILAR METALS SUBJECT TO GALVANIC CORROSION.
8. TESTING AND BALANCING-PROCURE THE SERVICES OF AN APPROVED WATER BALANCE CONSULTANT (AABC) TO SUPERVISE THE BALANCE, ADJUSTMENT AND TEST OF THE AIR SYSTEMS AS WELL AS WATER SYSTEMS, BALANCE AND ADJUST SYSTEMS TO OBTAIN RESULTS INDICATED ON THE DRAWINGS AND SUBMIT RESULTS FOR APPROVAL MAKE ALL REQUIRED ADJUSTMENTS OF AIR AND WATER SYSTEMS UNTIL ALL SPECIFIED PERFORMANCES ARE MET. SUBMIT TO ENGINEER FOR APPROVAL. SUBMIT APPROVED BALANCE REPORT TO LANDLORD.
9. CONTRACTOR TO SURVEY ALL EXISTING WORK PRIOR TO PRICING AND CONSTRUCT ALL WORK TO SUIT EXISTING CONDITIONS.
10. THE CONTRACTOR TO COORDINATE WITH THE BASE BUILDING MANAGEMENT AS TO THE DELIVERY OF PIPING AND SCHEDULING OF WORK AS NOT TO INTERFERE WITH THE OPERATION OF THE OCCUPIED FACILITIES. ALL SHUTDOWNS OF THE EXISTING BUILDING SYSTEMS OR WORK OUTSIDE OF THE DEMISING AREA SHALL BE STRICTLY COORDINATED WITH THE BUILDING MANAGEMENT PRIOR TO BIDDING.
11. CONTRACTOR SHALL INSULATE ALL PIPING ACCORDING TO SPECIFICATION.

MECHANICAL PIPING MATERIALS

APPLICATIONS: HOT WATER
PIPE SIZE: 3" DIAMETER,
TEMPERATURE RANGE: 250°F TO 450°F
MAX. OPERATING PRESSURE: 250PSI
CARRIER: STEEL
PRIMARY INSULATION: FOAMGLAS®INSULATION
SECONDARY INSULATION: POLYURETHANE FOAM
CASING: HEAVY WALL FIBERGLASS REINFORCED
THERMOSETTING RESIN PIPE

OPTIONS:

- SCHEDULE 80 – EXTRA HEAVY WEIGHT CARRIER

SUPER WELD-TITE IS A WELDED STEEL PIPING SYSTEM FOR HIGH PRESSURE STEAM, CONDENSATE, AND HIGH TEMPERATURE HOT WATER. IT COMBINES STEEL PIPE WITH CALCIUM SILICATE AND POLYURETHANE FOAM INSULATION INSIDE A CORROSION RESISTANT FIBERGLASS CASING.

SUPER WELD-TITE IS A VERSATILE, ENERGY EFFICIENT, QUALITY PIPING SYSTEM. THE STANDARD CARRIER PIPE IS SCHEDULE 40/80 A53 STEEL. OTHER GRADES OF STEEL ARE AVAILABLE IF SPECIFIED. THE INNER INSULATION IS A HIGH TEMPERATURE CALCIUM SILICATE SATISFACTORY FOR TEMPERATURES TO 1,200°F AND OUTER INSULATION IS A THERMALLY EFFICIENT POLYURETHANE FOAM WITH A 'K' FACTOR OF 0.16 AT 70°F. THE HEAVY WALL FRP CASING COMBINED WITH FRP JOINT OVER-WRAPS PREVENTS GROUND WATER PENETRATION. NO EXTERNAL COATING OR CATHODIC PROTECTION IS REQUIRED.

SUPER WELD-TITE CAN BE DESIGNED WITH EXPANSION LOOPS OR IN-LINE EXPANSION JOINTS. ALL FITTINGS ARE PRE-INSULATED, CUSTOMED FABRICATED TO MEET JOB REQUIREMENTS. PRE-INSULATED FITTINGS ARE PRODUCED WITH THE SAME CARRIER, INSULATION, CASING AS THE PRE-INSULATED STRAIGHT SECTIONS.

CONTRACTOR TO PROVIDE THE FOLLOWING SUBMITTALS:

- INSULATION
- UNDERGROUND PIPES SYSTEM
- PIPE MATERIAL
- VALVES
- SHOP DRAWINGS PIPING ROUTINGS AND CONNECTIONS
- ALL SHOP DRAWINGS TO BE PROVIDED ELECTRONICALLY

DRAWING TITLE:MECHANICAL HVAC PIPING NOTES AND SPECIFICATIONS

COLLECTIVE DESIGN ASSOCIATES, INC.

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Westport, Connecticut 06880
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SCALE: NO SCALE

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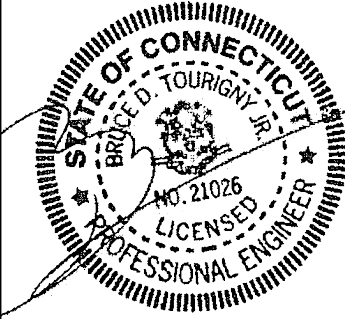
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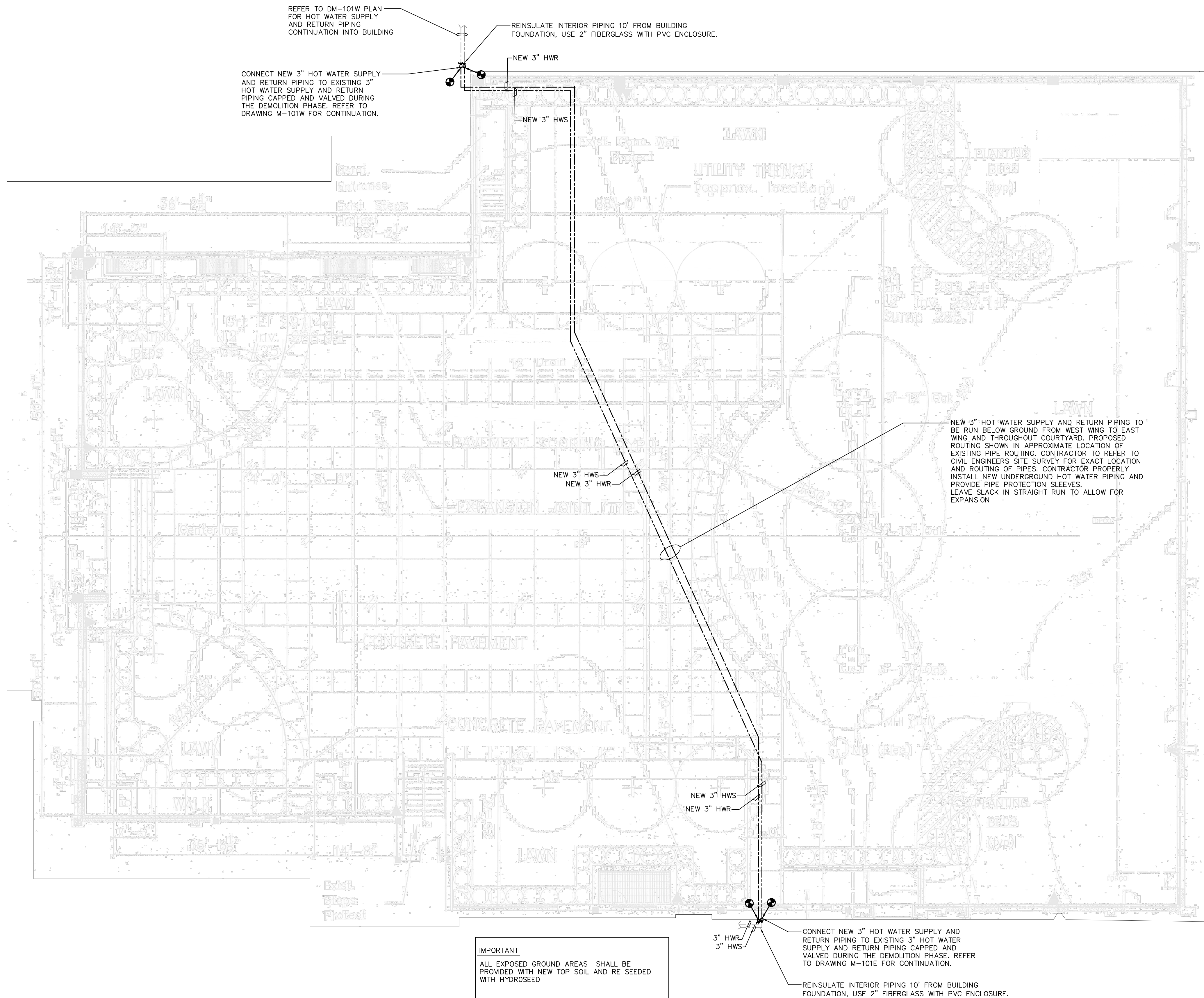
M-001

JOB NO: 2021.138

SCOFIELD SCHOOL HOT WATER PIPE

641 SCOFIELDTOWN RD
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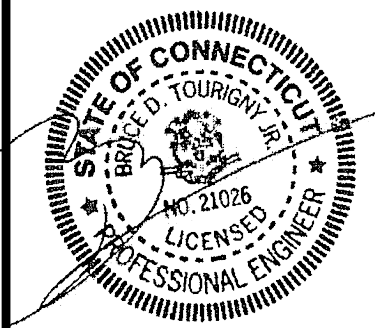




1
M-101 C

MECHANICAL HVAC PIPING COURTYARD PLAN
SCALE: 1/8"=1'-0"

SCOFIELD SCHOOL HOT WATER PIPE
641 SCOFIELDTOWN RD
STAMFORD, CT 06903



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MECHANICAL HVAC PIPING COURTYARD PLAN

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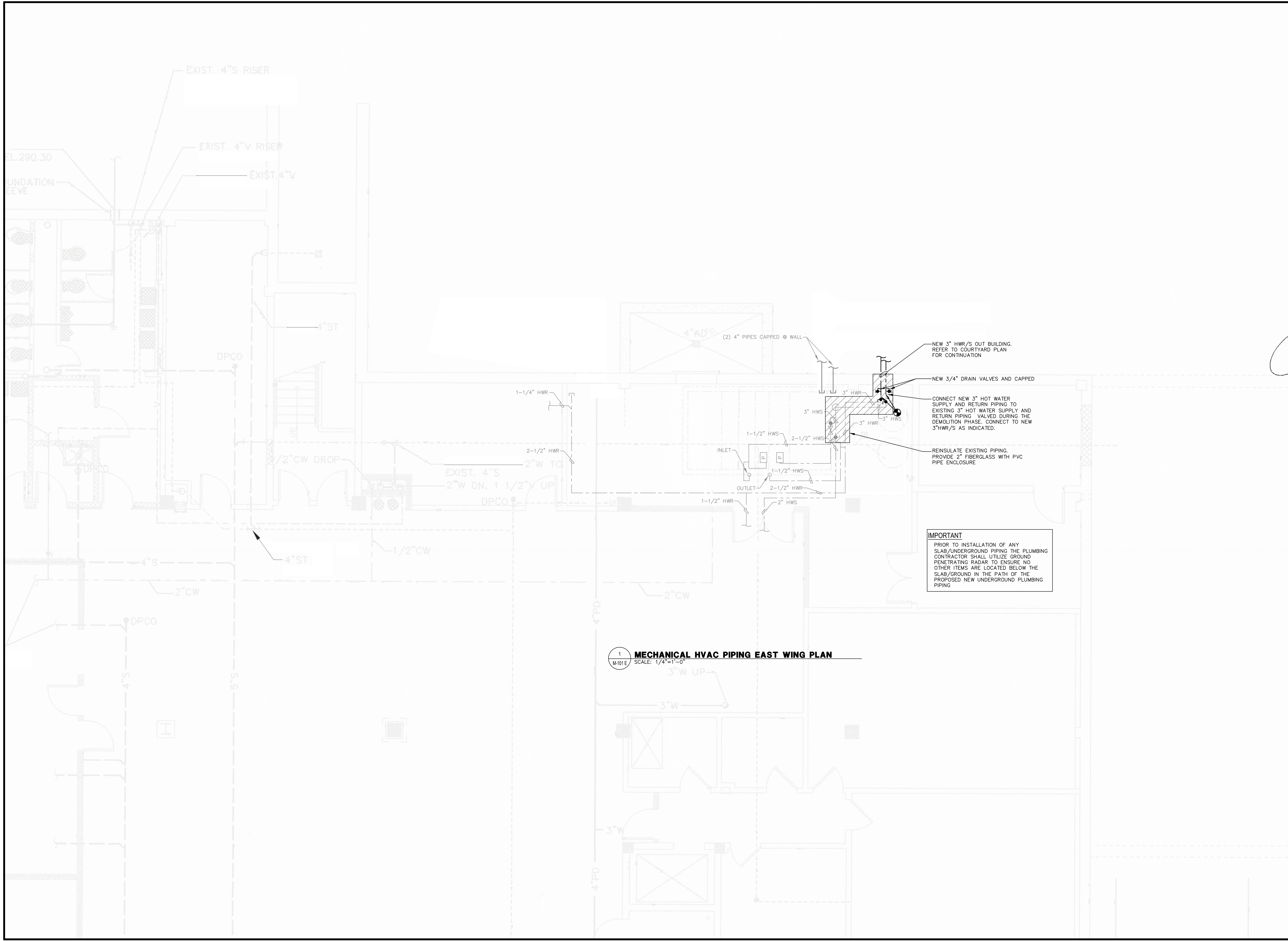
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2021.138



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641 SCOFIELDTOWN RD
STAMFORD, CT 06903

STATE OF CONNECTICUT
PLUMBING BOARD
JULY 2026
LICENSE NO. 2026
PROFESSIONAL ENGINEER

DRAWING TITLE
MECHANICAL HVAC PIPING EAST WING PLAN

COLLECTIVE DESIGN ASSOCIATES, INC.

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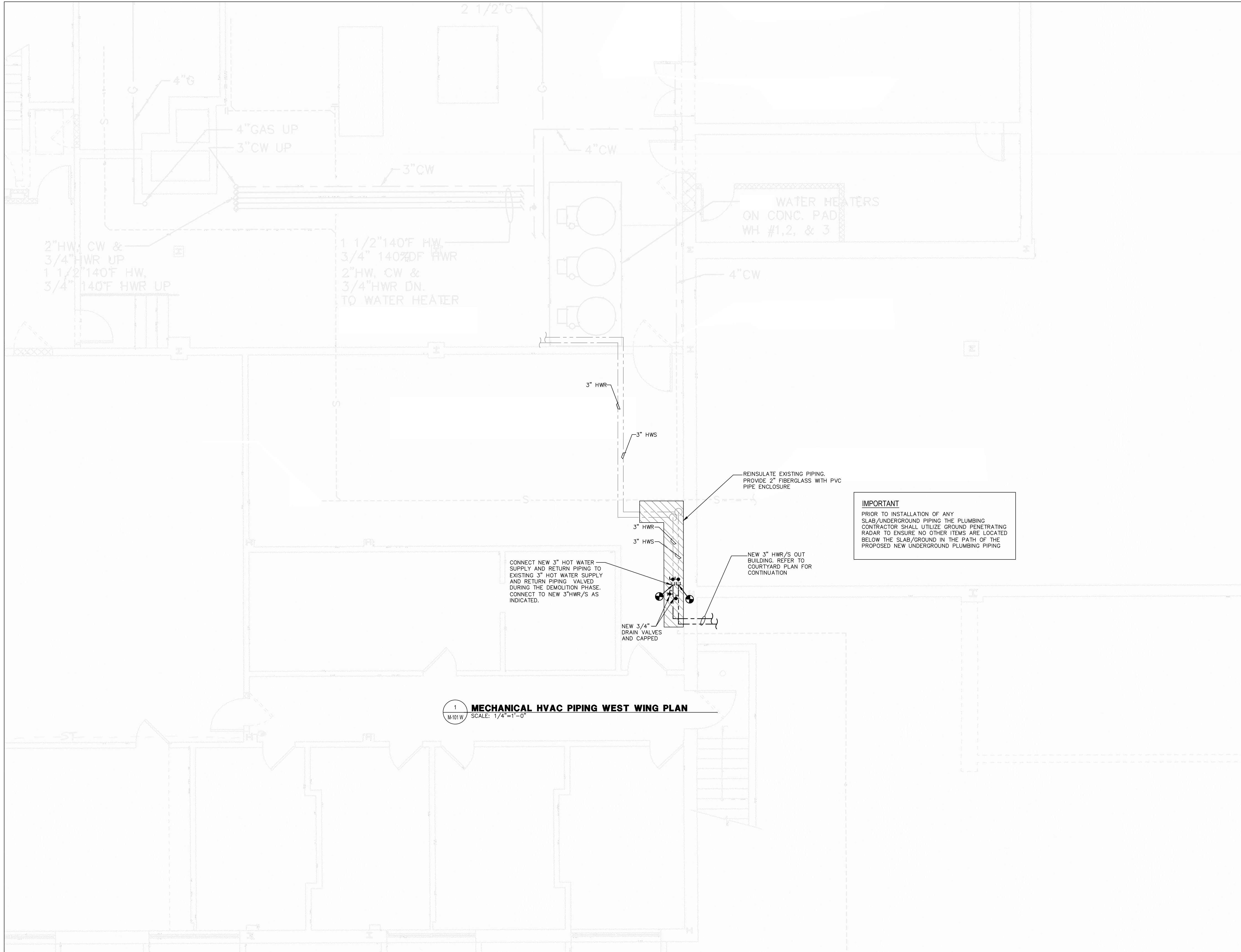
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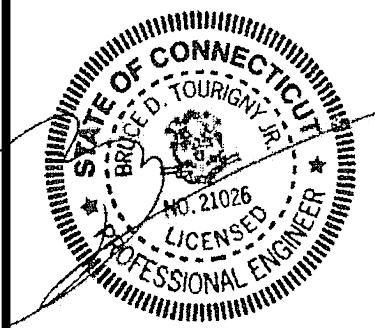
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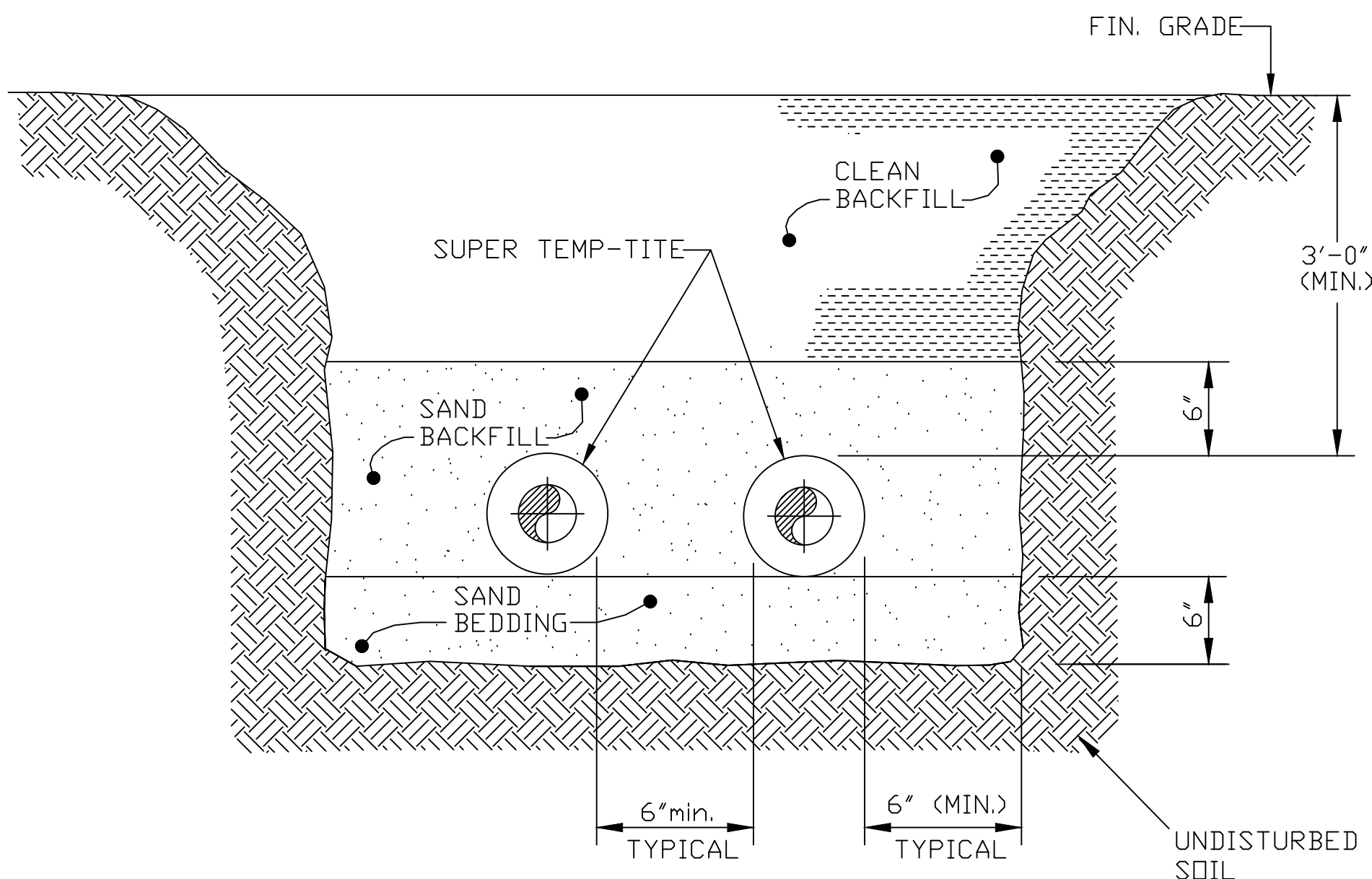
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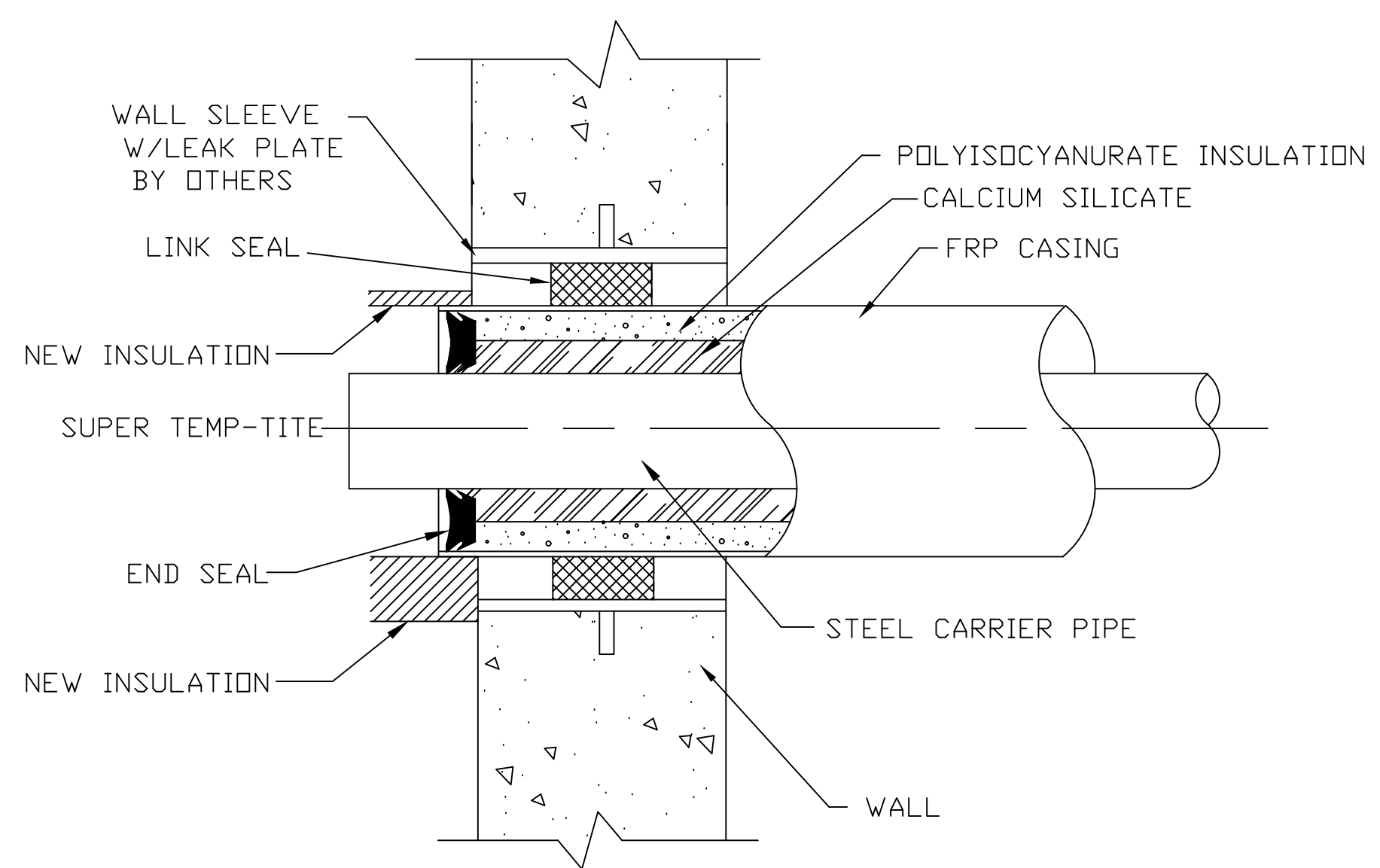
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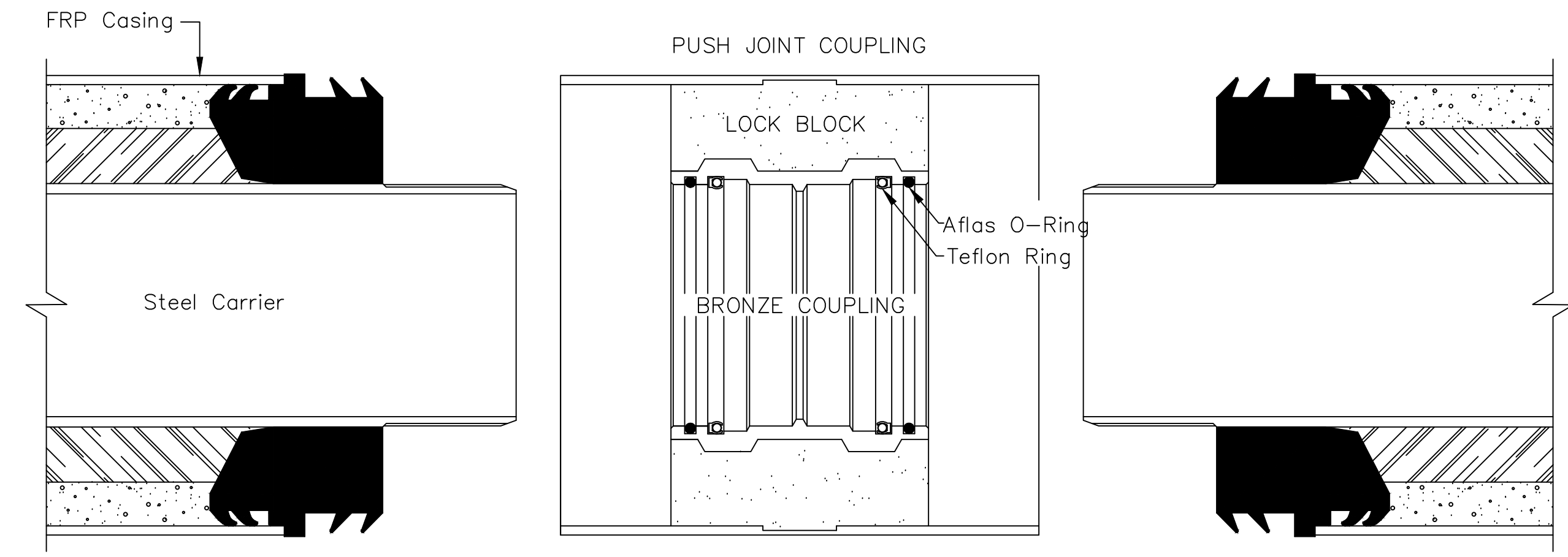
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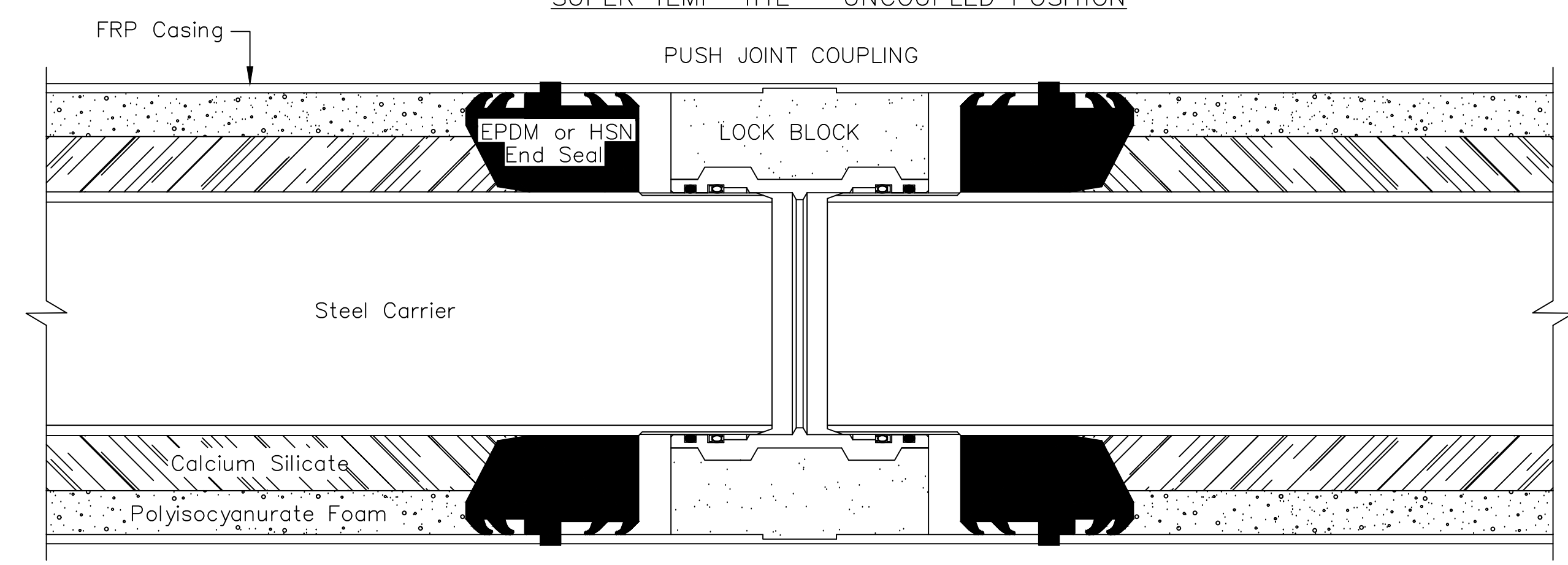
TYPICAL TRENCH SECTION
NO SCALE



WALL PENETRATION DETAILS
NO SCALE



SUPER TEMP-TITE - UNCOUPLED POSITION

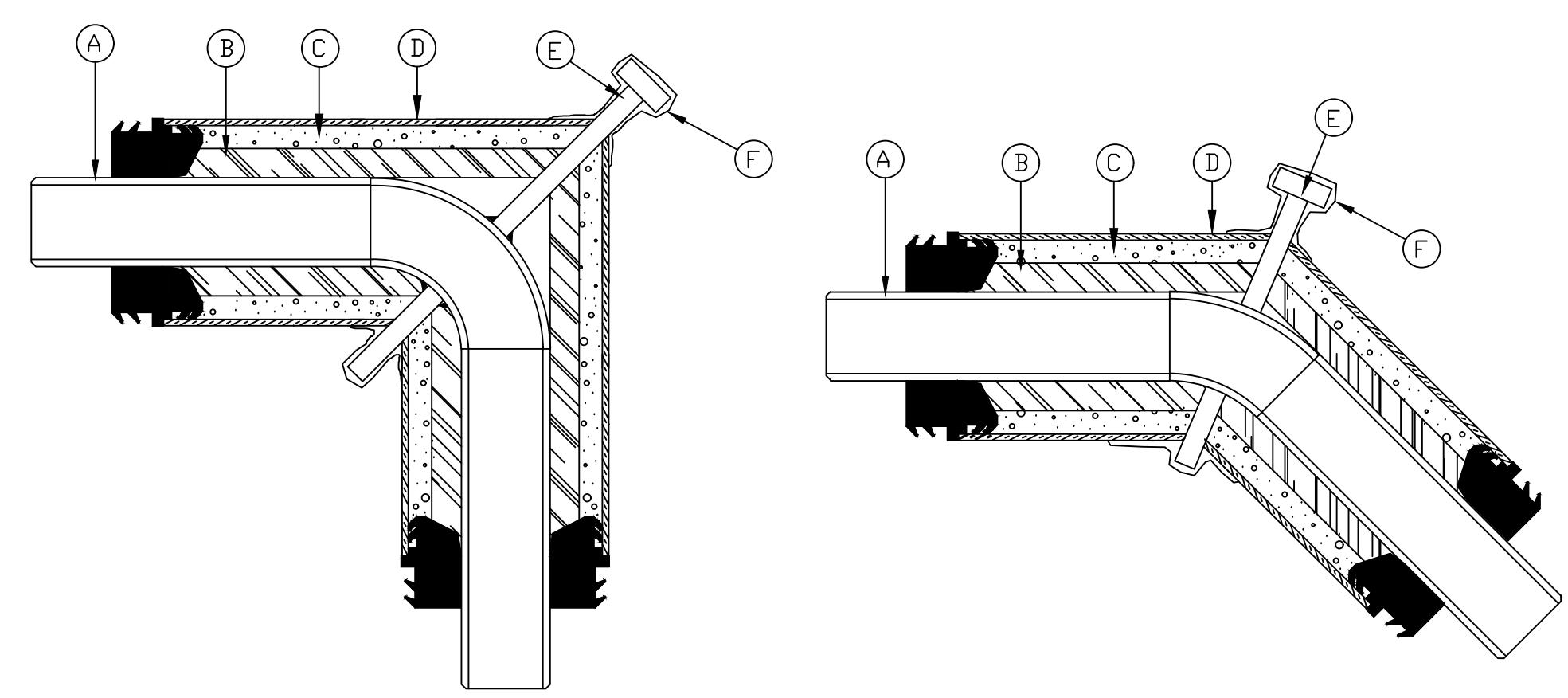


SUPER TEMP-TITE - COUPLED POSITION

NOM. PIPE SIZE	CARRIER O.D.	CASING O.D.	THICKNESS			WEIGHT (LBS./20 FT.)
			CASING	CALCIUM SILICATE	FOAM	
3	3.50	8.38	.185	1.00	1.25	268

NOTES:
1.) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.
2.) WEIGHTS ARE APPROXIMATE.

SUPER TEMP-TITE JOINT CROSS SECTION
NO SCALE

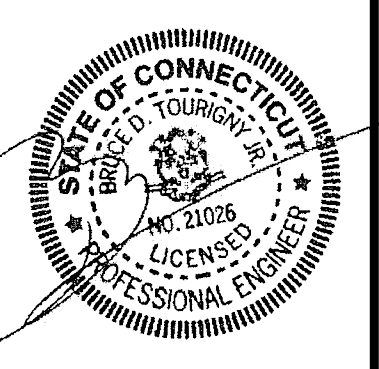


90° ELBOW WITH ANCHOR
NO SCALE

45° ELBOW WITH ANCHOR
NO SCALE

PRE-INSULATED SUPER TEMP-TITE FITTINGS
NO SCALE

SCOFIELD SCHOOL HOT WATER PIPE
641 SCOFIELDTOWN RD
STAMFORD, CT 06903



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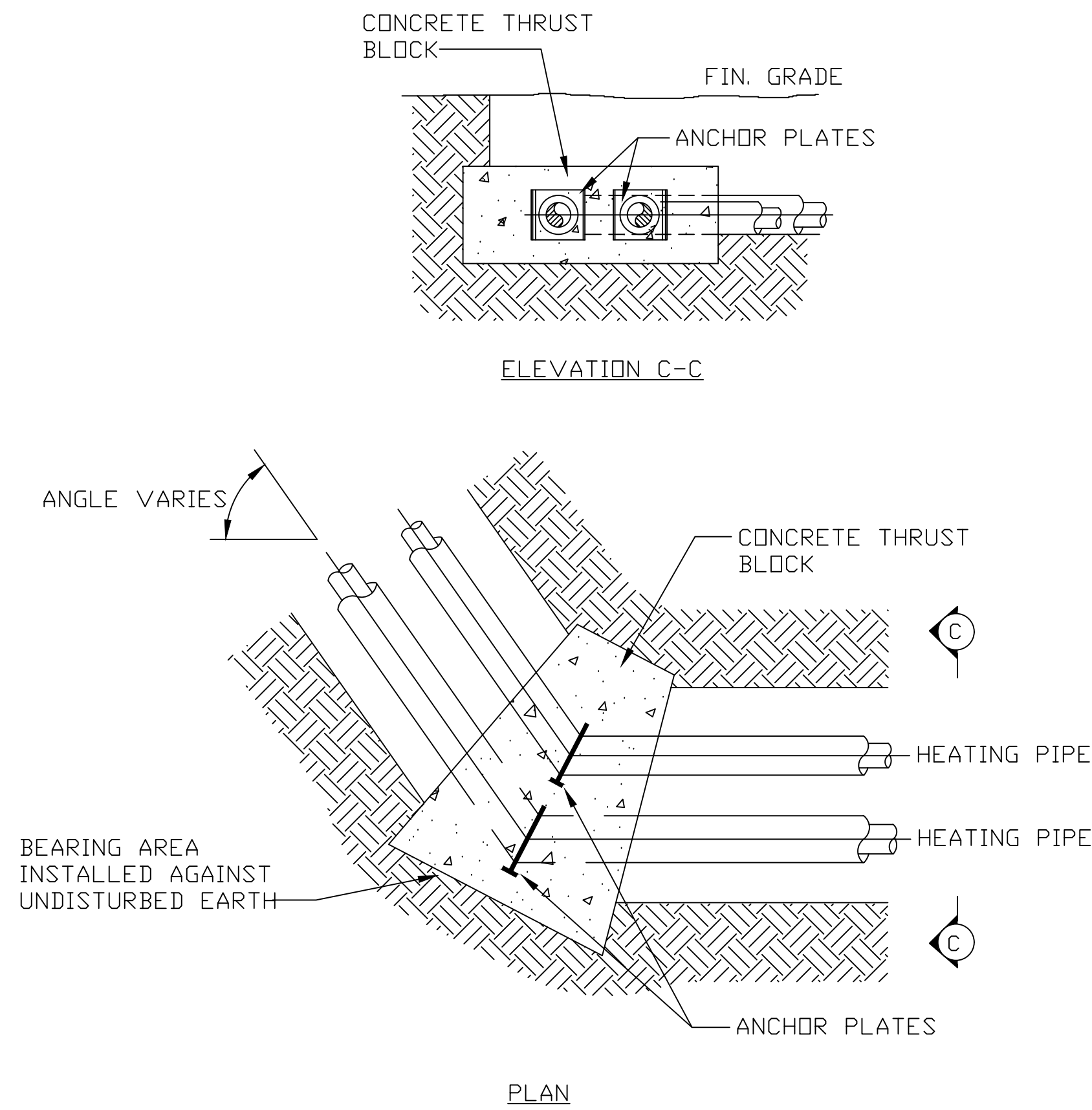
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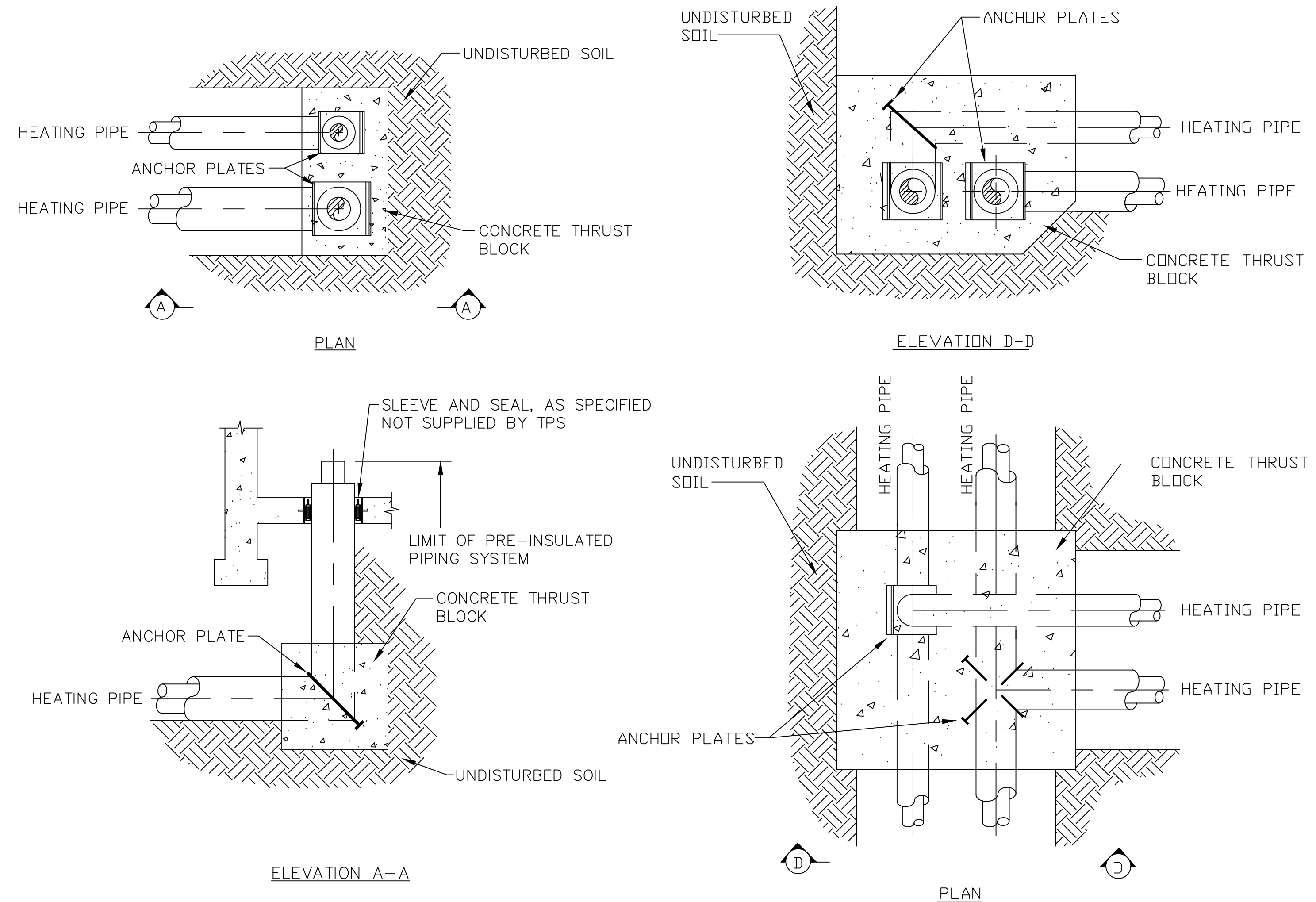
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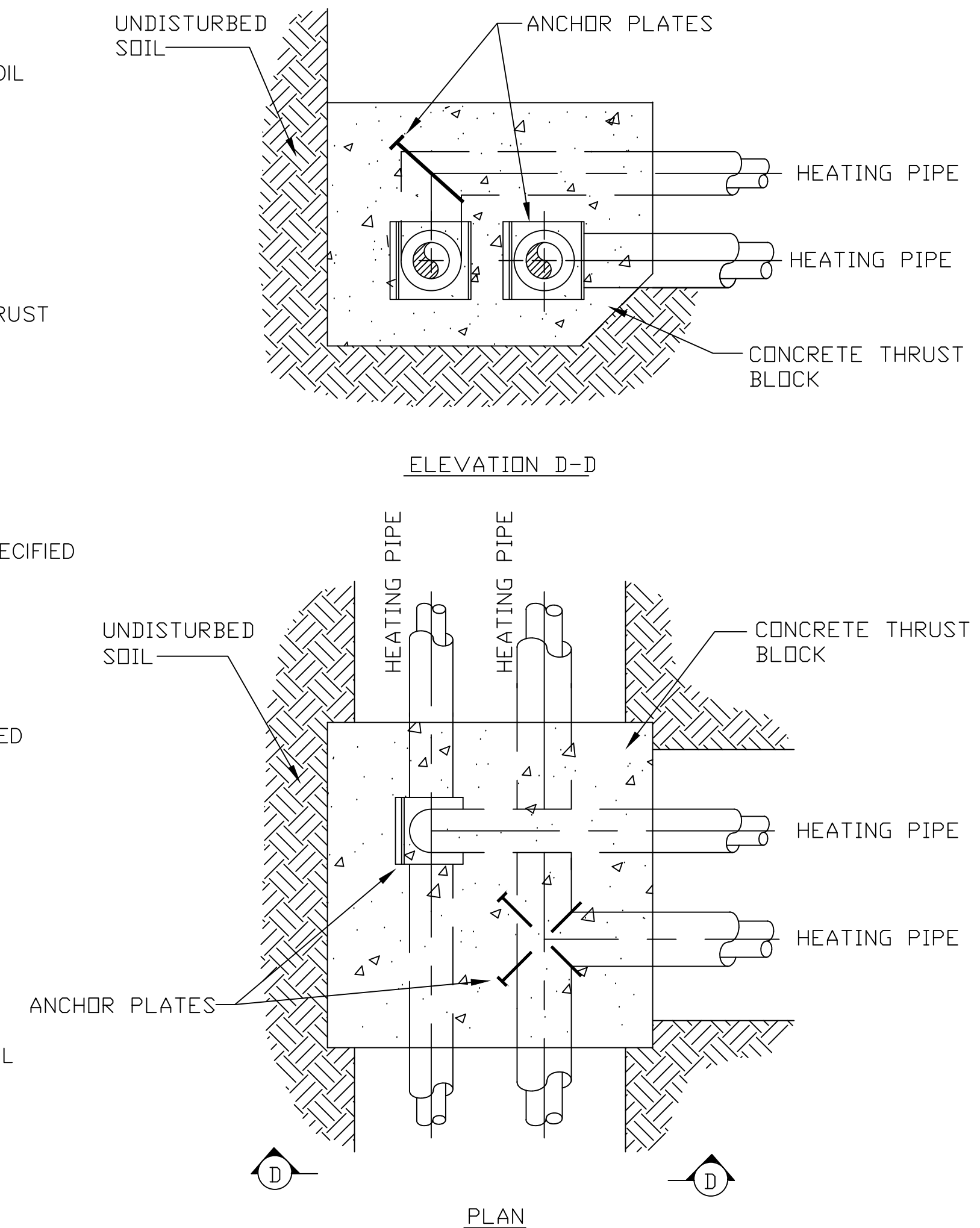
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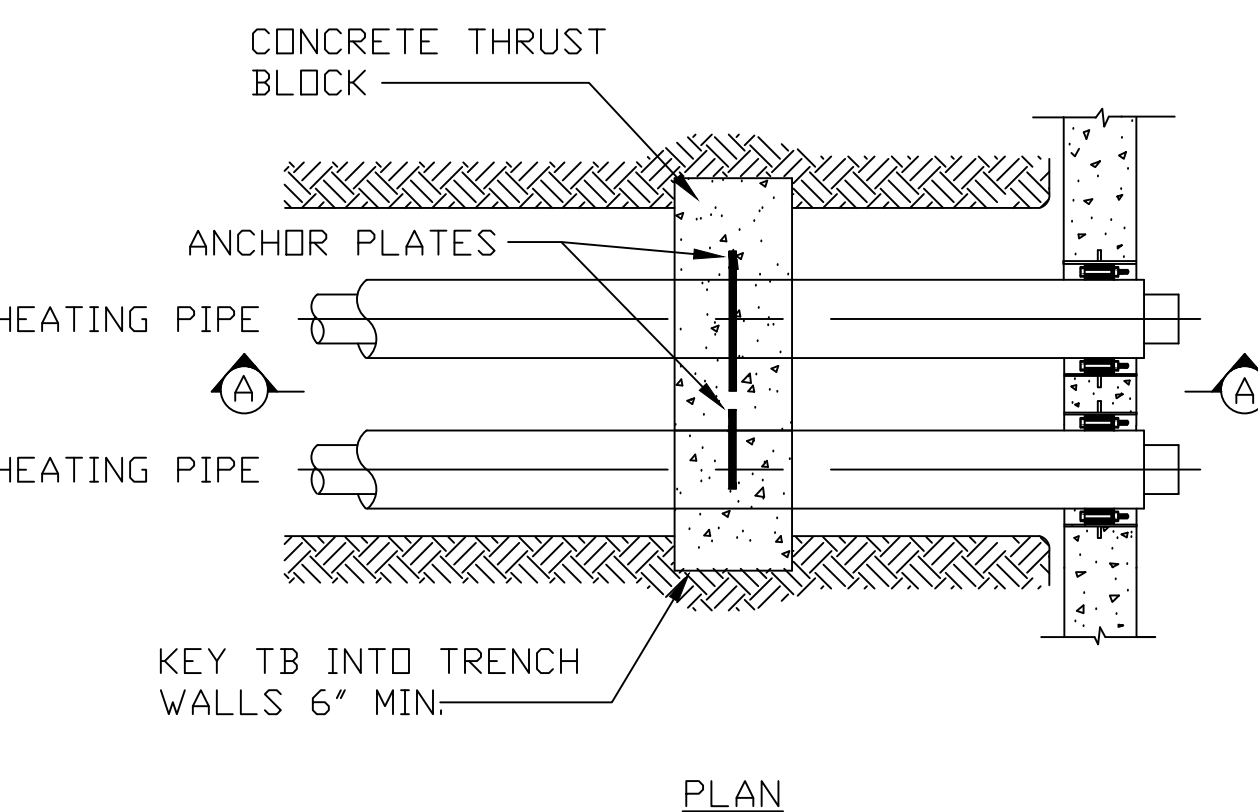
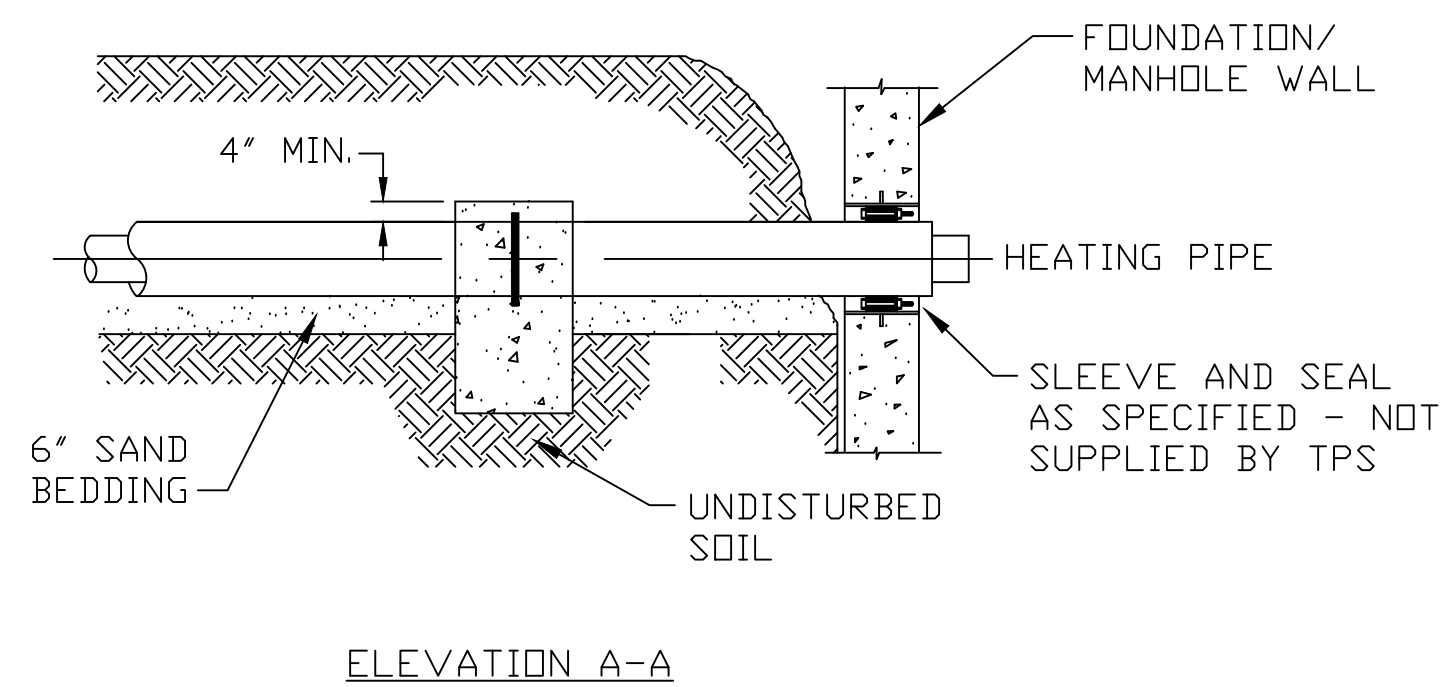
TYPICAL THRUST BLOCK AT ODD ANGLE ELBOWS
NO SCALE



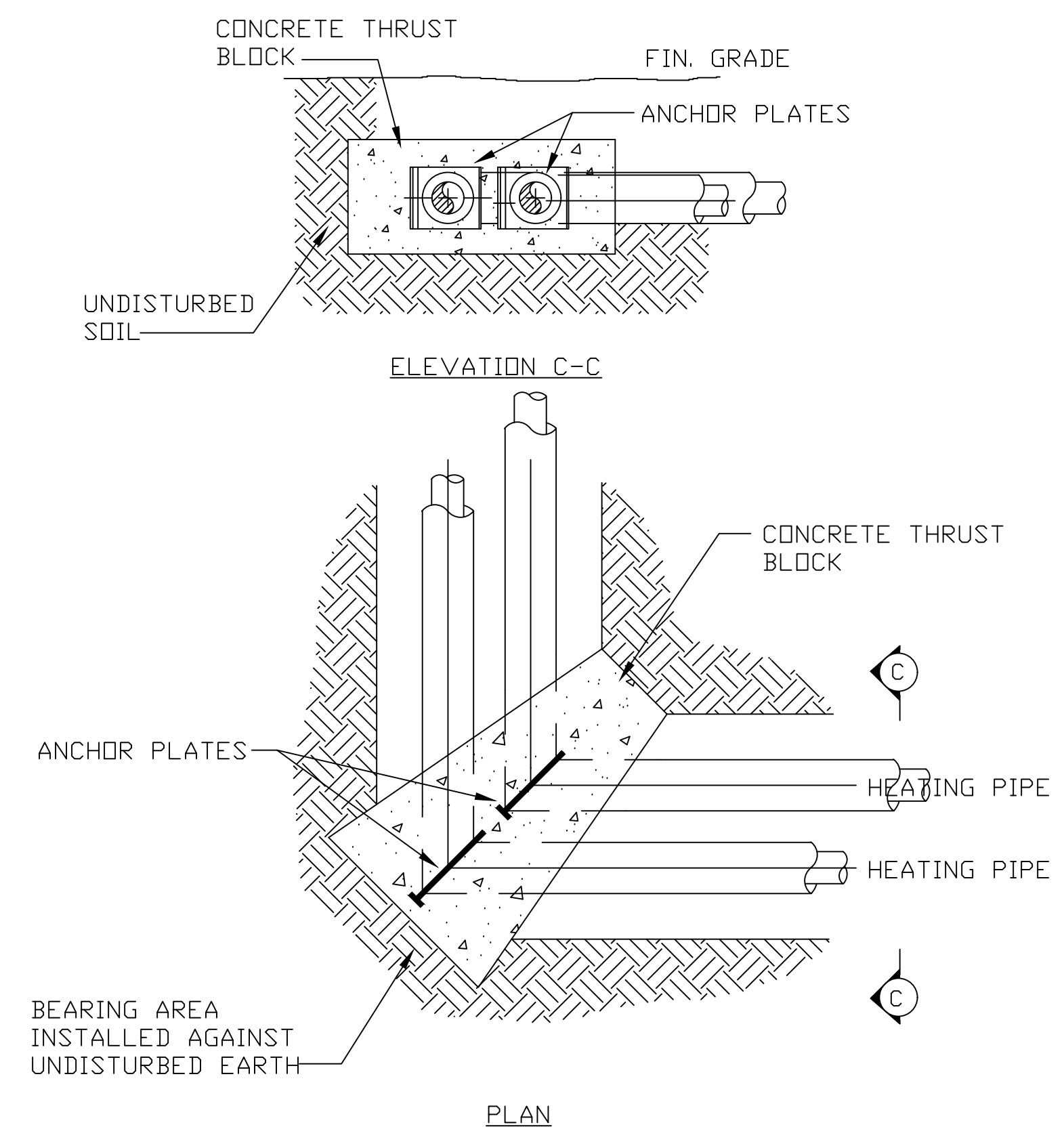
TYPICAL THRUST BLOCK AT RISERS
NO SCALE



TYPICAL THRUST BLOCK AT TEES
NO SCALE

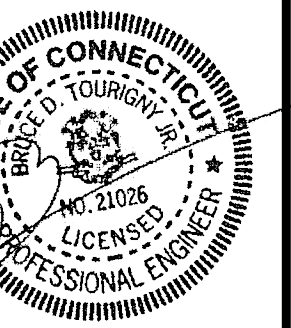


TYPICAL THRUST BLOCK AT WALL PENETRATIONS
NO SCALE



TYPICAL THRUST BLOCK AT 90° ELBOWS
NO SCALE

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