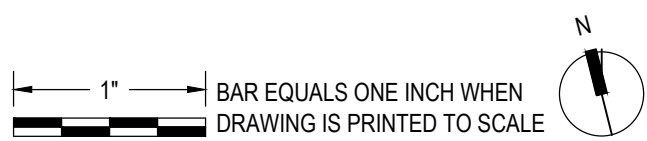


1 SITE GEOTHERMAL BORE FIELD PLAN
SCALE: 1/32" = 1'-0"



VASSAR COLLEGE INN & INSTITUTE
18003.00
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ISSUE DATES
03/22/2019 100% SCHEMATIC DESIGN
07/09/2019 75% DESIGN DEVELOPMENT
09/03/2019 100% DESIGN DEVELOPMENT
12/10/2019 95% CONSTRUCTION DOCUMENTS
02/10/2020 75% CONSTRUCTION DOCUMENTS
04/15/2020 ISSUED FOR PERMIT
05/01/2020 100% CONSTRUCTION DOCUMENTS
07/01/2020 GMP SET
12/03/2020 Final GMP SET
02/10/2021 BID SET

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12248 Santa Monica Blvd. Los Angeles, CA 90025
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(310) 801-6880 | info@frederickfisher.com

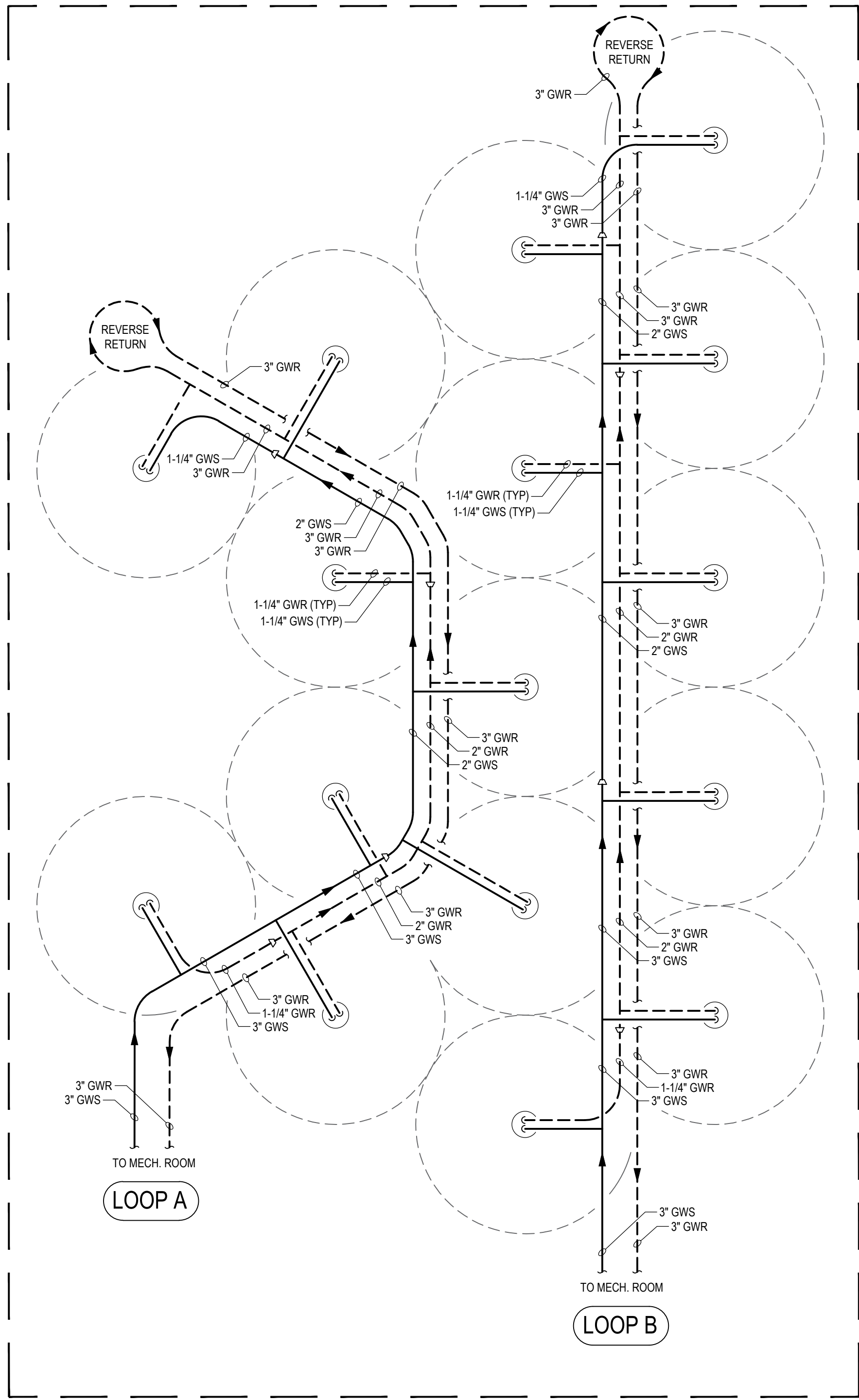


SITE
GEOTHERMAL
BORE FIELD
PLAN

SCALE: AS NOTED

G1.00

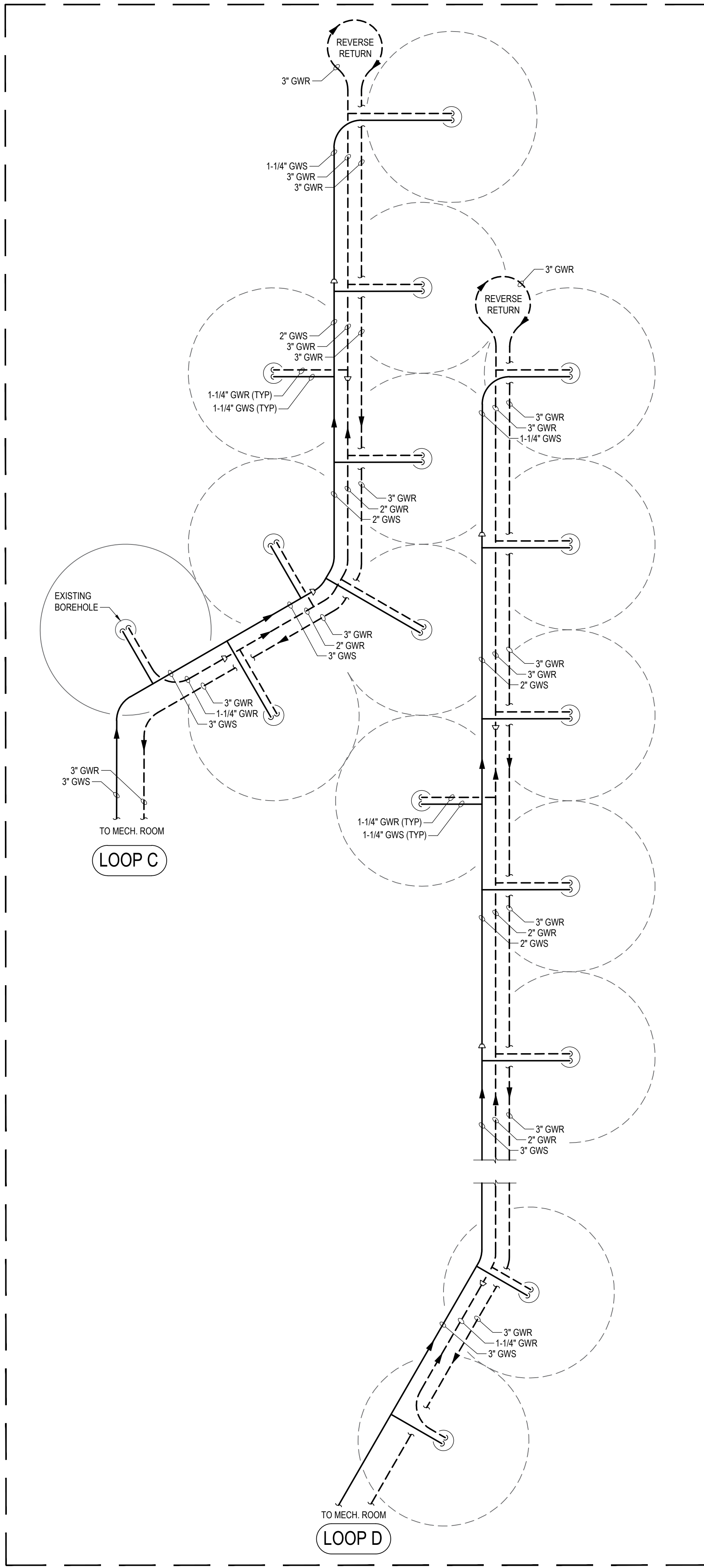
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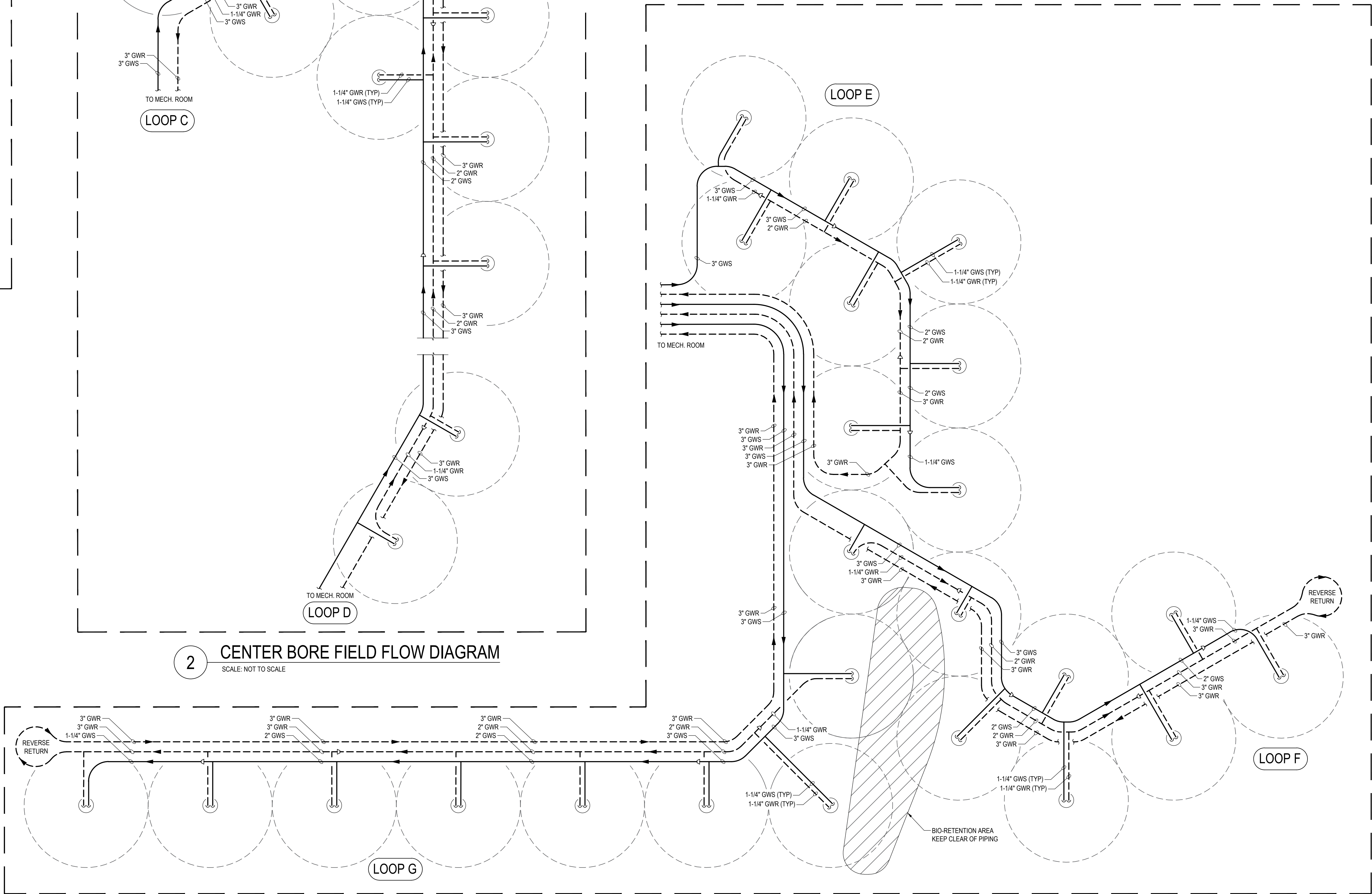
1 NORTH BORE FIELD FLOW DIAGRAM
SCALE: NOT TO SCALE

GENERAL NOTES

1. PROVIDE 56 BORE HOLES, 6" DIAMETER, 500 FEET DEEP, A MINIMUM 25'-0" SEPARATION WITH 1-1/4" PIPING VERTICAL HEAT EXCHANGERS.
2. CONNECT TO EXISTING 500' TEST BORE AND HEAT EXCHANGER FOR A TOTAL OF 56 VERTICAL HEAT EXCHANGERS
3. NEW 1-1/4" VERTICAL HEAT EXCHANGERS SHALL HAVE A DESIGN FLOW RATE OF 5.0 GPM EACH.
4. EXISTING 1-1/2" VERTICAL HEAT EXCHANGER SHALL HAVE A DESIGN FLOW RATE OF 7.0 GPM.

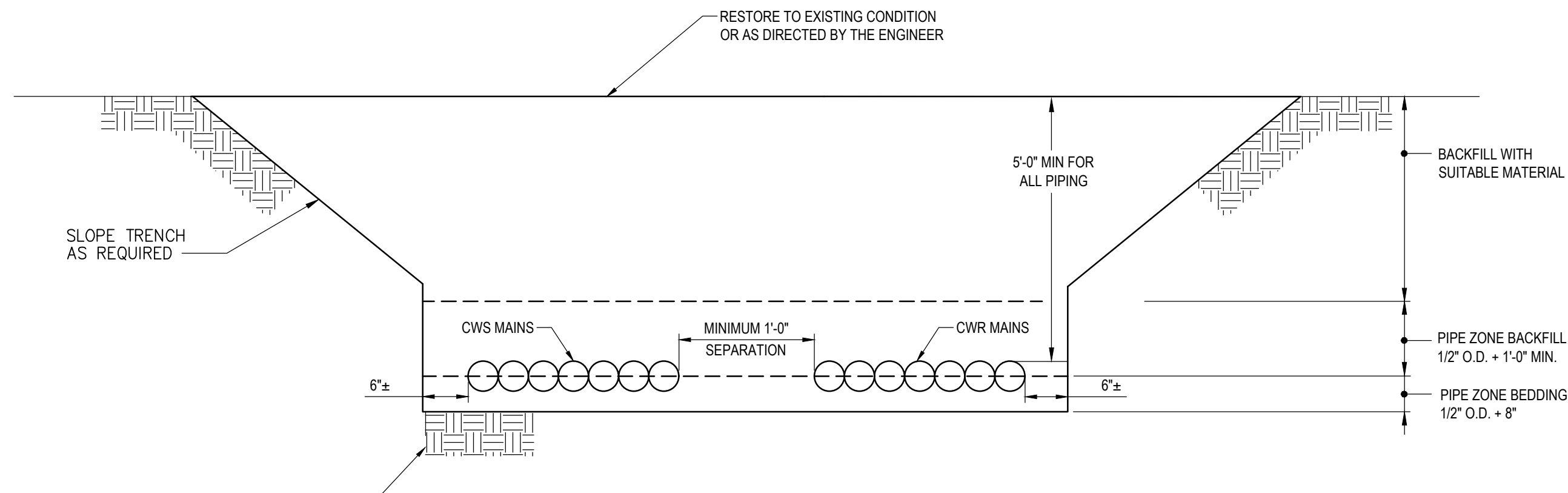


2 CENTER BORE FIELD FLOW DIAGRAM
SCALE: NOT TO SCALE

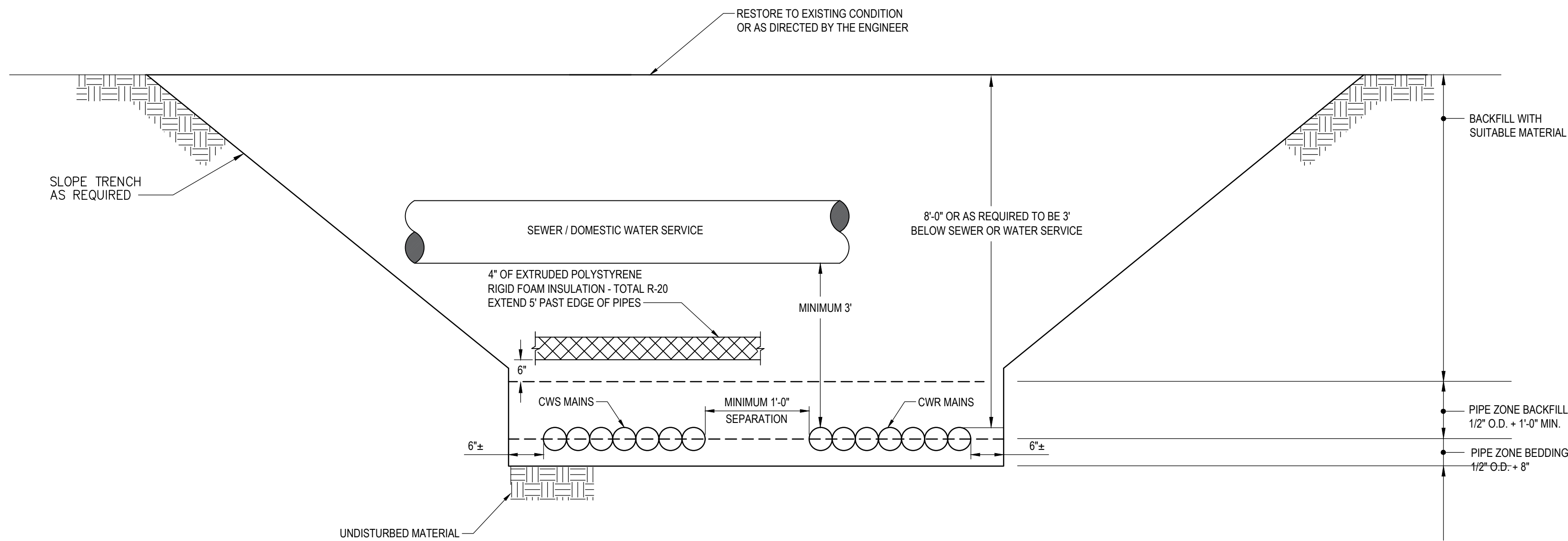


3 SOUTH BORE FIELD FLOW DIAGRAM
SCALE: NOT TO SCALE

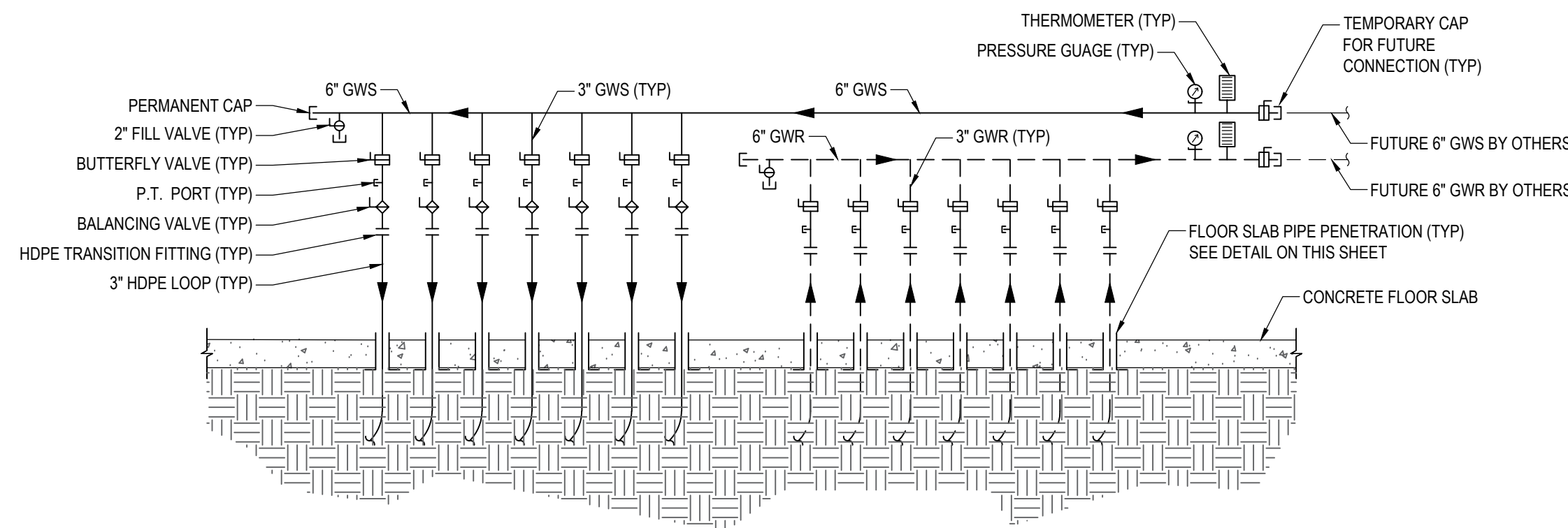
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1 TRENCH DETAIL
SCALE: NOT TO SCALE



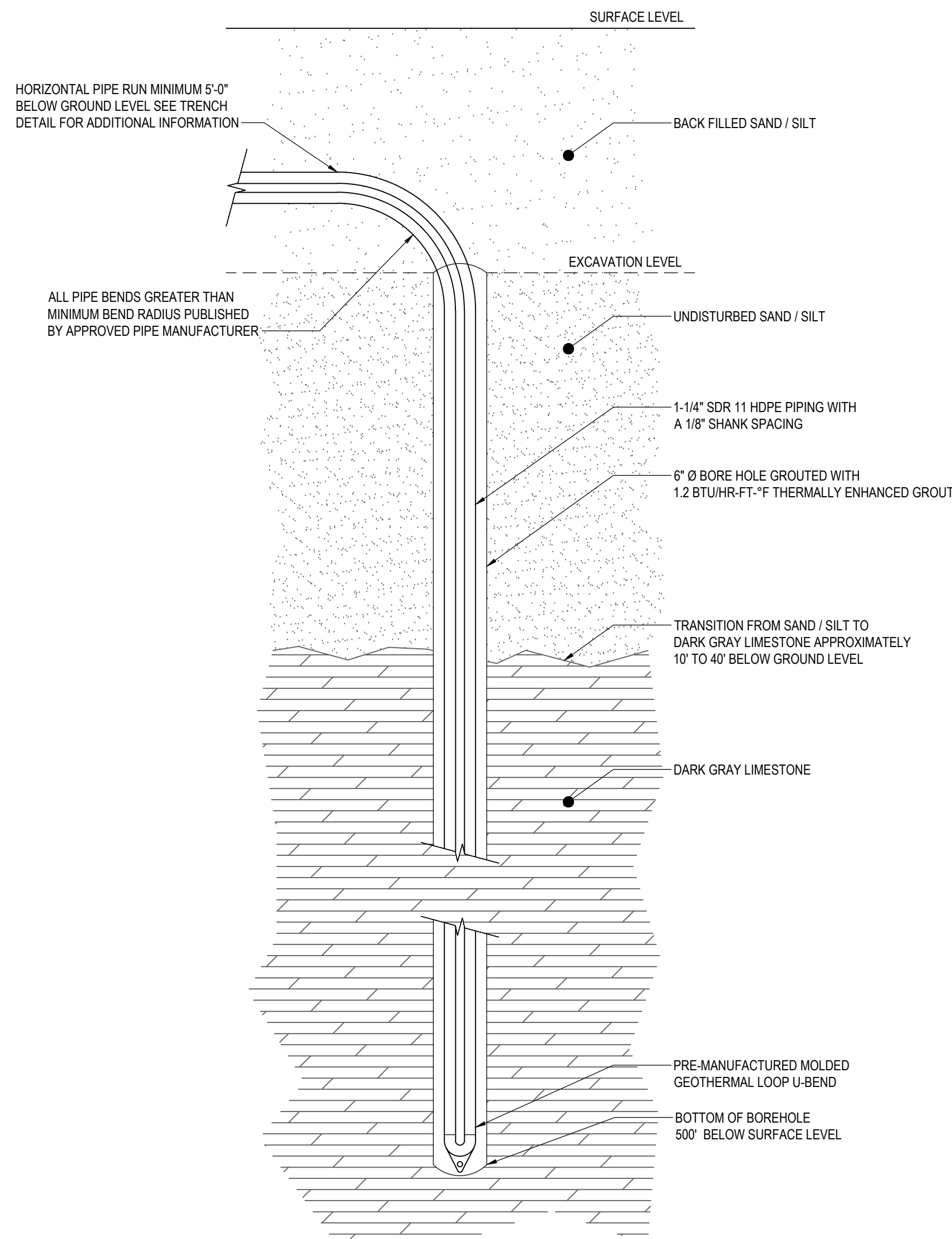
2 DEEP TRENCH DETAIL
SCALE: NOT TO SCALE



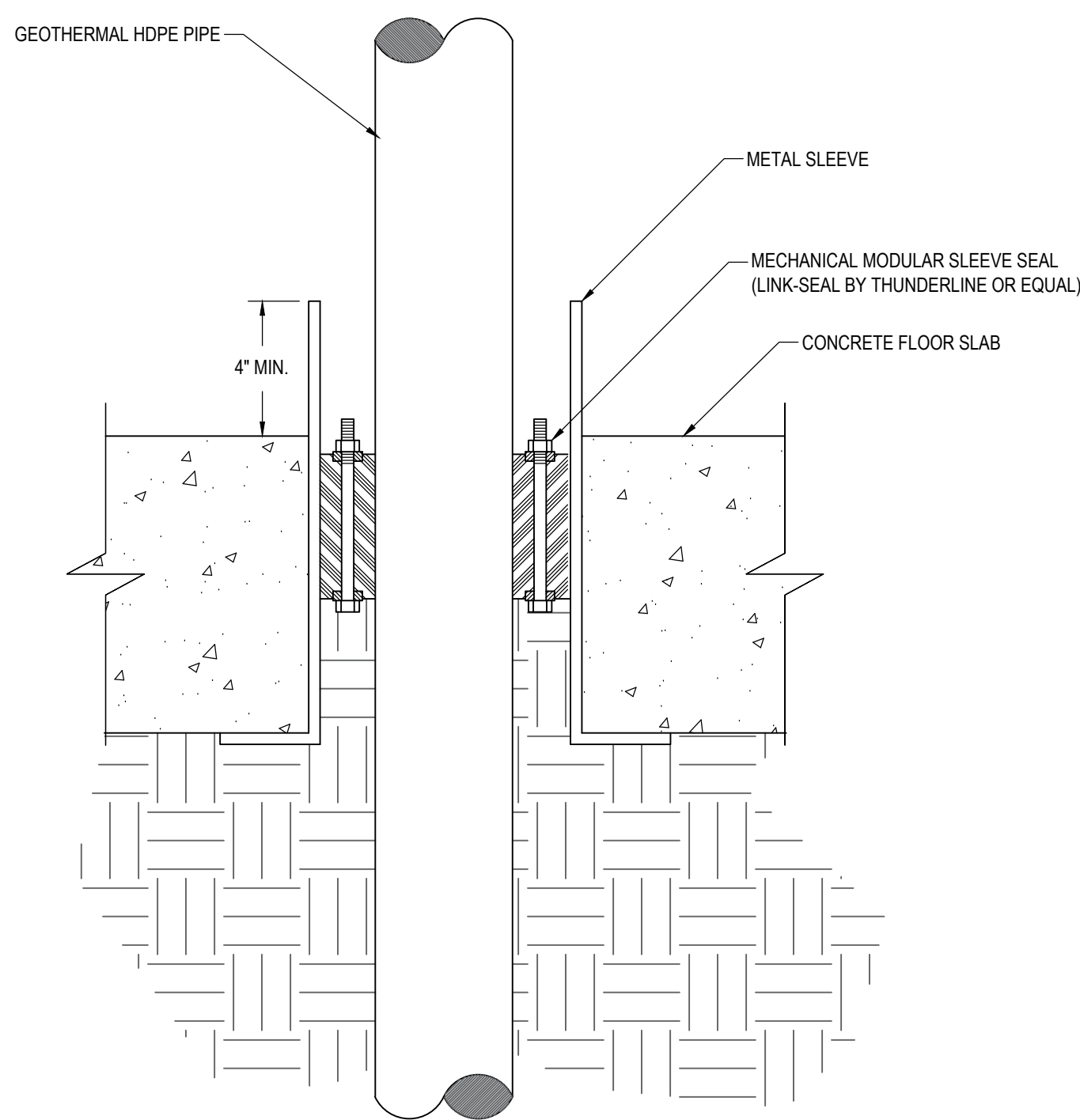
3 GWS & GWR PIPING MANIFOLD DIAGRAM
SCALE: NOT TO SCALE

GENERAL NOTES

- REFER TO DIVISION 23 SPECIFICATIONS FOR INTERIOR PIPING, VALVES, FITTINGS, GAUGES AND INSULATION REQUIREMENTS.



4 GEOTHERMAL BORE DIAGRAM
SCALE: NOT TO SCALE



5 FLOOR SLAB PIPE PENETRATION
SCALE: NOT TO SCALE