

GENERAL NOTES:

1. CONTRACTOR TO PROVIDE LAYOUT OF PROPOSED BOREFIELD FOR APPROVAL BY THE ENGINEER PRIOR TO THE START OF CONSTRUCTION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TREE/VEGETATION TRIMMING REQUIRED FOR THE OPERATION OF THE DRILL RIG. CARE SHALL BE TAKEN NOT TO DAMAGE EXISTING TREE/VEGETATION WHICH ARE NOT IN CONFLICT WITH THE BOREFIELD.
3. CONTRACTOR SHALL CALL FOR A UTILITY MARKOUT PRIOR TO ANY DRILLING OR EXCAVATION.
4. CONSTRUCTION SILT FENCE TO BE PLACED AROUND THE PERIMETER OF THE BOREFIELD PRIOR TO DRILLING OR EXCAVATION. CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN AND PERFORM ANY REPAIRS ON THE SILT FENCE DURING CONSTRUCTION.
5. THE CONTRACTOR SHALL TAKE NECESSARY MEASURES TO MAINTAIN DUST CONTROL. VEHICLES SHALL BE CLEANED, AS NECESSARY, PRIOR TO USING PUBLIC STREETS. PAVED ROADS SHALL BE SPRINKLED WITH WATER IF NEED.
6. ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTER AREA. SEDIMENT FILTER SHALL BE INSTALLED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND THE DETAILS OF DESIGN AND CONSTRUCTION SHALL BE PREPARED AND SUBMITTED BY THE CONTRACTOR TO THE ENGINEER FOR REVIEW.
7. THE ACUA ADMINISTRATION BUILDING IS OPEN TO THE PUBLIC. SAFE ACCESS SHALL BE MAINTAINED TO THE FRONT ENTRANCE WAY AT ALL TIMES DURING CONSTRUCTION.

GEOTHERMAL BOREFIELD SITE PLAN
1" = 20'



EXISTING SITE AERIAL VIEW

APPROVALS:



ATLANTIC COUNTY
UTILITIES AUTHORITY
6700 DELILAH ROAD
ESSEX HARBOR TOWNSHIP, NJ 08224

THOMAS R. GANARD
CHIEF ENGINEER
PROFESSIONAL ENGINEER
NJ LICENSE NO. 065535700

PROJECT NAME:

**ACUA GEOTHERMAL
WELLFIELD
REPLACEMENT**

ACUA PROJECT NO.:
2022-SW-04

REVISIONS

DATE	

DRAWN:	CHECK:
T.L.	T.G.

SHEET TITLE:
**GEOTHERMAL
BOREFIELD SITE PLAN**

SCALE:	DATE:
AS SHOWN	04/26/22

APPROVALS:



ATLANTIC COUNTY
UTILITIES AUTHORITY

6700 DELLAH ROAD
EGG HARBOR TOWNSHIP, NJ 08234

THOMAS R. GAVARDA

CHIEF ENGINEER
PROFESSIONAL ENGINEER
NJ LICENSE NO. 065355700

PROJECT NAME:

ACUA GEOTHERMAL
WELLFIELD
REPLACEMENT

ACUA PROJECT NO.:

2022-SW-04

REVISIONS

DATE	

DRAWN:	CHECK:
T.L.	T.G.

SHEET TITLE:
DETAIL SHEET
DS-1

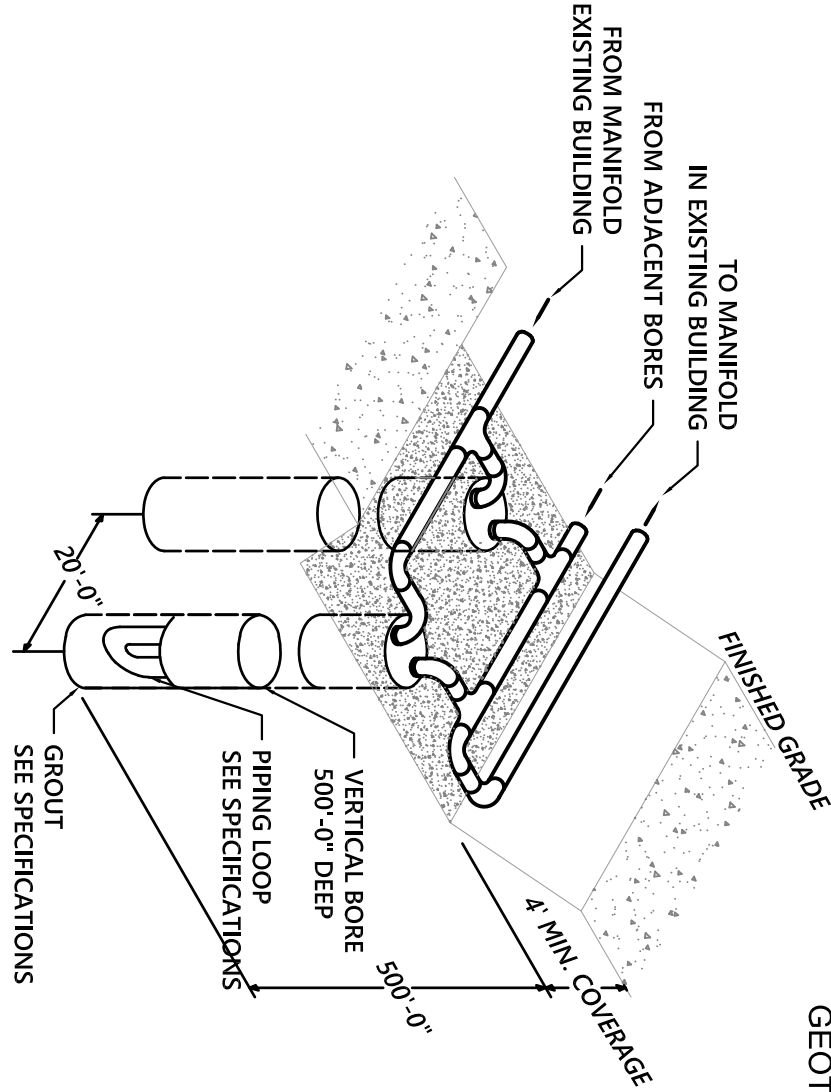
SCALE:	DATE:
N.T.S.	04/26/22

DWG. NO:
2 OF 3

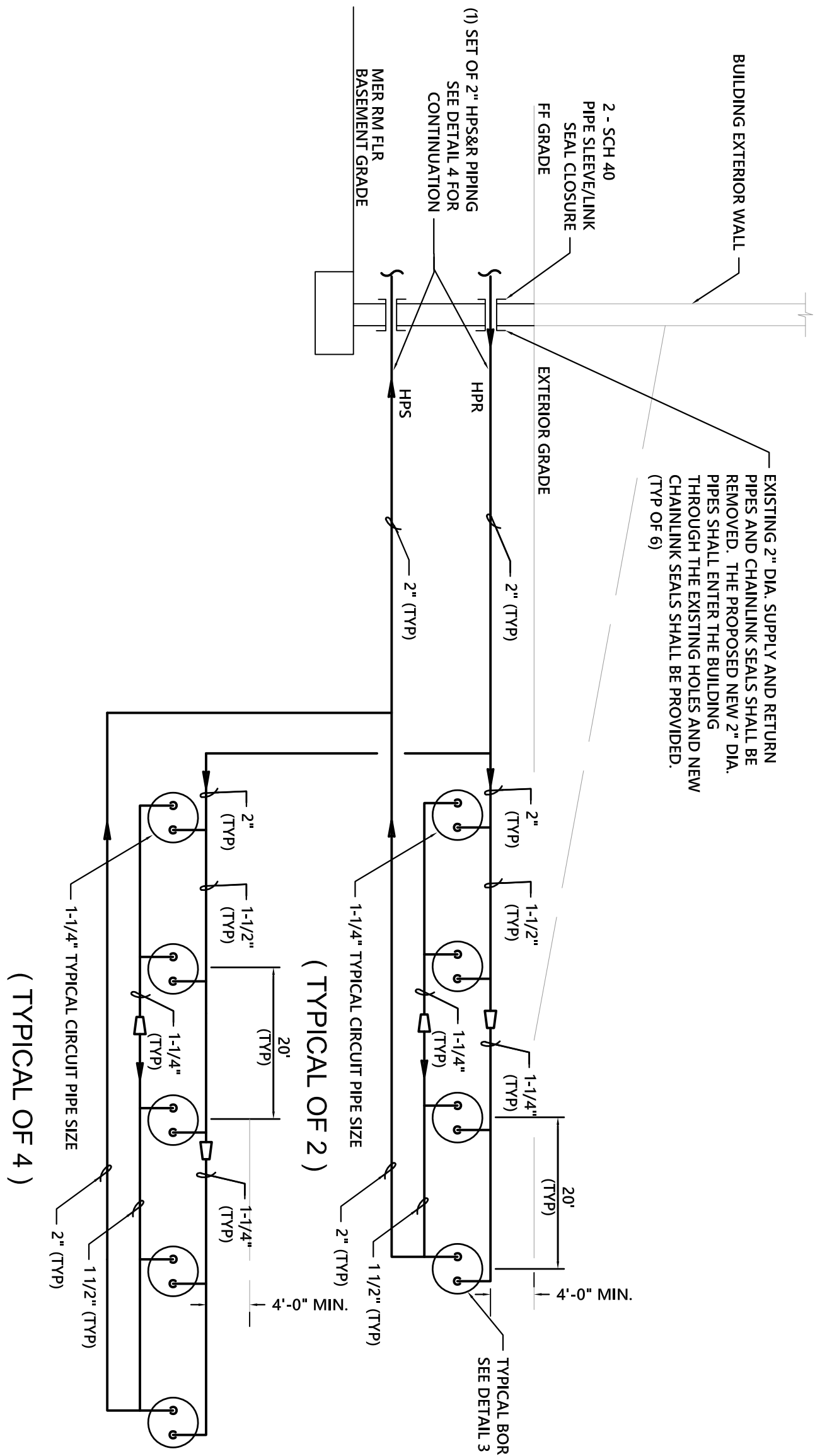
GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO FABRICATION AND/OR ASSEMBLY OF THE PROPOSED GEOTHERMAL SYSTEM.

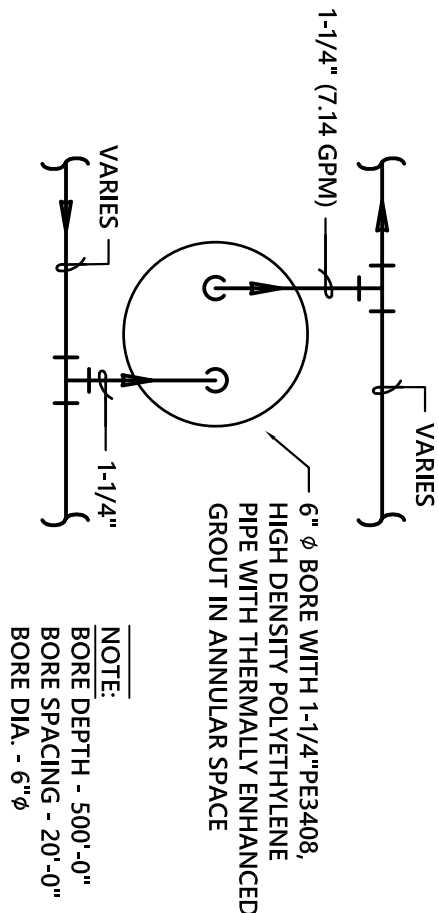
2 BORE PIPING DETAIL
SCALE: NTS



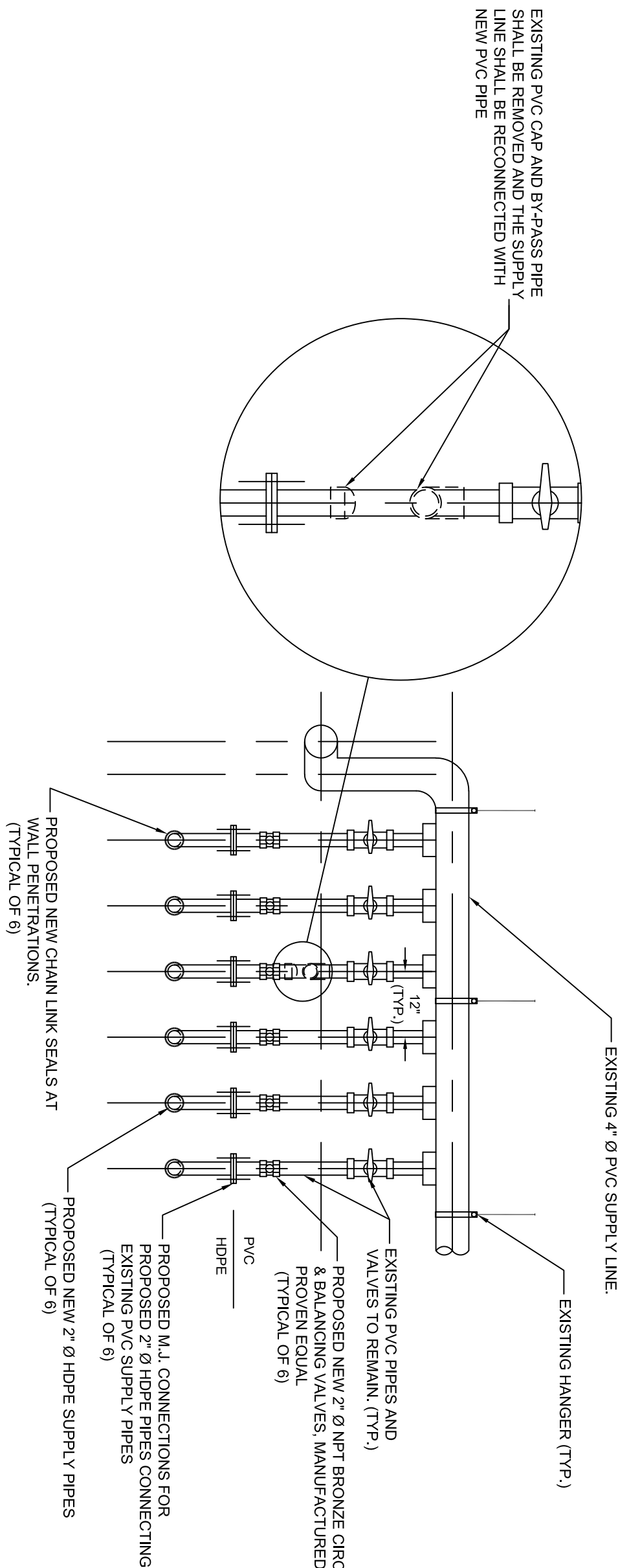
1 GROUND HEAT EXCHANGER SCHEMATIC DIAGRAM
SCALE: NTS



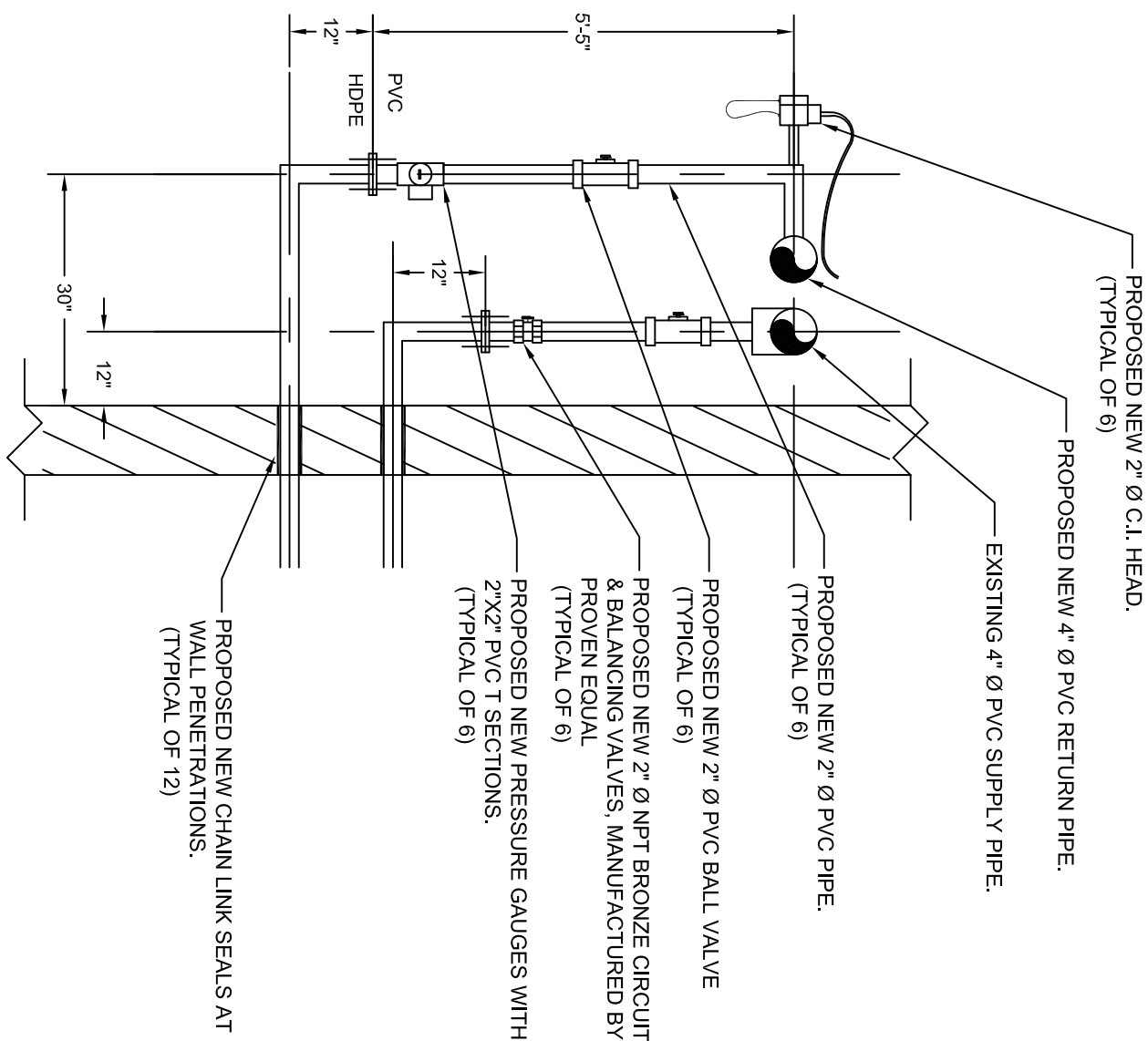
3 TYPICAL BORE PLAN
SCALE: NTS



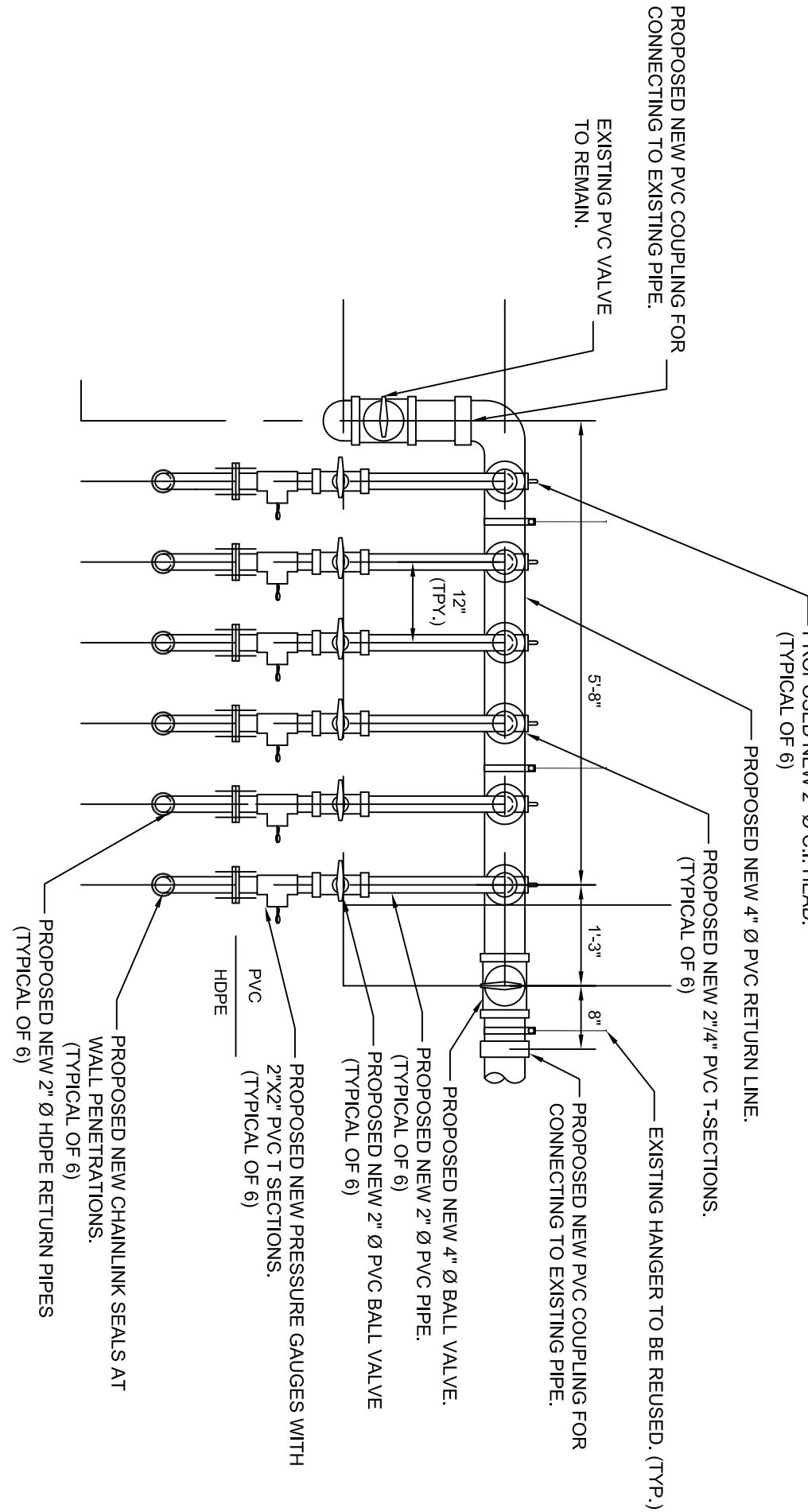
4 PROPOSED SUPPLY PIPING INSIDE BUILDING
SCALE: NTS



6 CROSS SECTION OF PROPOSED GEOTHERMAL PIPING INSIDE BUILDING
SCALE: NTS



5 PROPOSED RETURN PIPING INSIDE BUILDING
SCALE: NTS



NOTES:

1. PIPE INSULATION SHALL BE PROVIDED FOR NEW SUPPLY AND RETURN PIPES INSIDE OF THE BUILDING.

