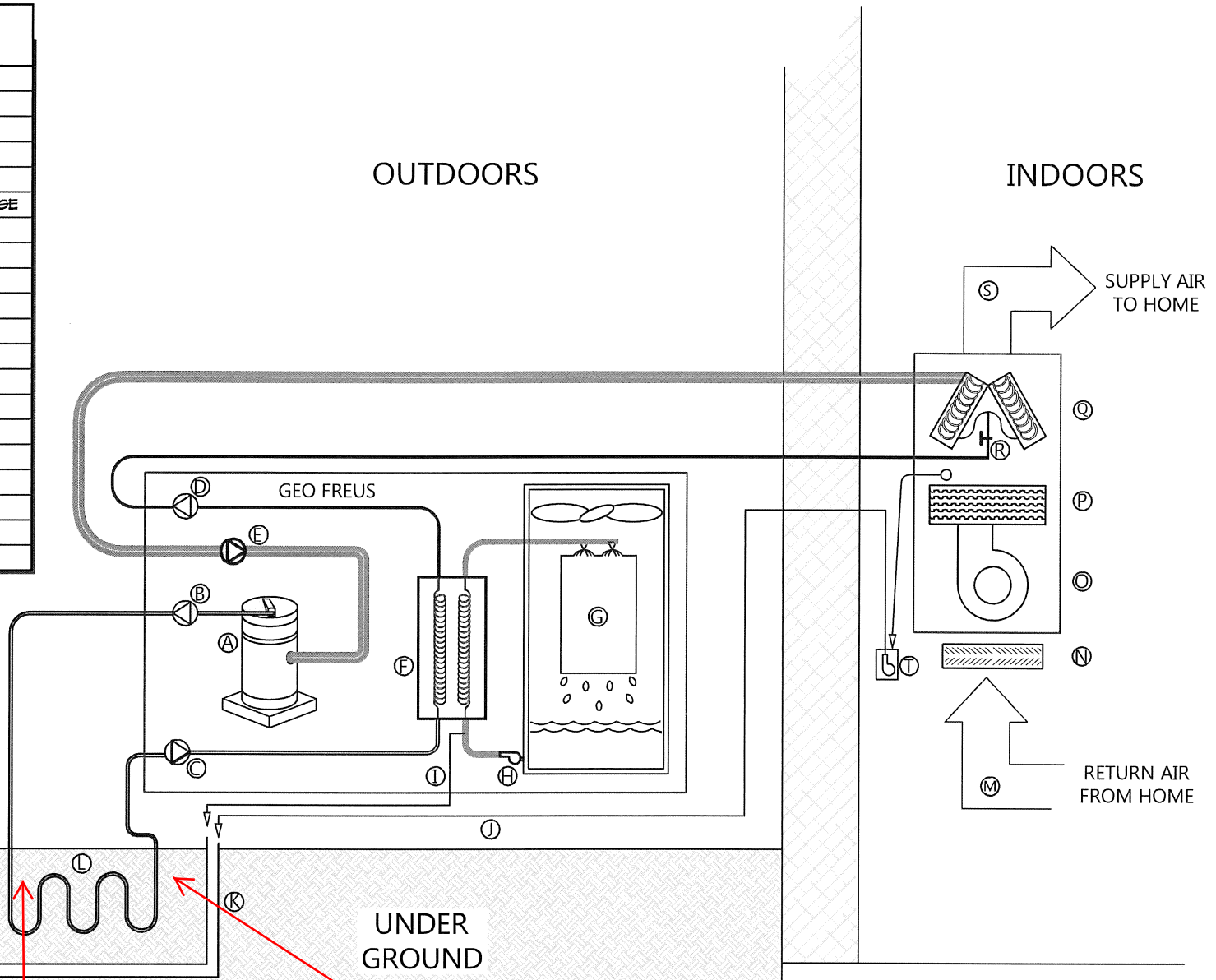


LEGEND	
A	COMPRESSOR
B	VALVE TO GROUND
C	VALVE FROM GROUND
D	VALVE TO INDOOR
E	VALVE FROM INDOOR
F	REFRIGERANT TO WATER HEAT EXCHANGE
G	COOLING TOWER
H	TOWER'S WATER PUMP
I	TOWER BLEED TO SOAKER
J	CONDENSATE TO SOAKER
K	GROUND SOAKER (PERFORATED PIPE)
L	REFRIGERANT - COPPER GROUND COIL
M	RETURNING AIR FROM HOME
N	FILTER
O	INDOOR BLOWER
P	INDOOR HEAT - GAS OR ELECTRIC
Q	EVAPORATOR COIL (COOLING)
R	TXV (THERMAL EXPANSION VALVE)
S	SUPPLY AIR TO HOME
T	CONDENSATE PUMP



Trench is sized to coil and should have partial plastic liner (at bottom) so that coil stays moist, and water outflow stays underground. Trench depth to provide adequate strength for surface activity and to allow day to night temperature recovery. Total trench depth preferably ~20" - 35"

Preferably fill with "pea gravel" to a level just above copper coil so that water can transfer heat within the heat sink.

Preferably cover "pea gravel" with a concrete cap to avoid inadvertent later digging into coil. Then fill above with sand or other earth to allow for grass, gravel, driveway, or other landscape surface.