

1. To be read with all other project drawings and specifications
2. Dimensions in millimeters unless otherwise stated
3. Report any errors, omissions or changes in/to this drawing to Geothermal International
4. Do not scale from this drawing
5. All builders work in connection with Geothermal installation by others
6. Air vents shall be installed at high points of the system
7. Drain cocks shall be installed at low points of the system
8. Dirt and air separator to be installed as shown and to manufacturers' specification
9. All concrete bases provided by others
10. Insulation and cladding of pipework and valves by others
11. Pipework hangers, brackets and the like by Geothermal International. Pipework primary support steel by others
12. Inverters to be frame or wall mounted adjacent to ground loop circulation pump. If not mounted on wall use suitable backplate.
13. Wall/Frame mounted pressurisation unit to exclude expansion vessel
14. Strainer shall be installed at ground source heat pump as shown and to the manufacturer's specification
15. Suitably sized isolators/breakers to be located within 1m of electrical equipment, isolators/breakers shall be supplied and installed by others
16. Geothermal installation excludes any load side pipework, equipment and auxiliary items
17. X-ret's taken from Buro Happold drawing no. SCCS_ME_7808 rev. A
12. 45 No. 40ø pipe Boreholes to an effective geothermal depth of 150 m to serve WSH-XSC 180F Olivet Heat Pump.

FOR CONSTRUCTION

Rev	By	Chkd	Appr'd	Date	Description
C0	MP	RM	RM	21/04/11	Issued for Construction

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BAM Construction Ltd.

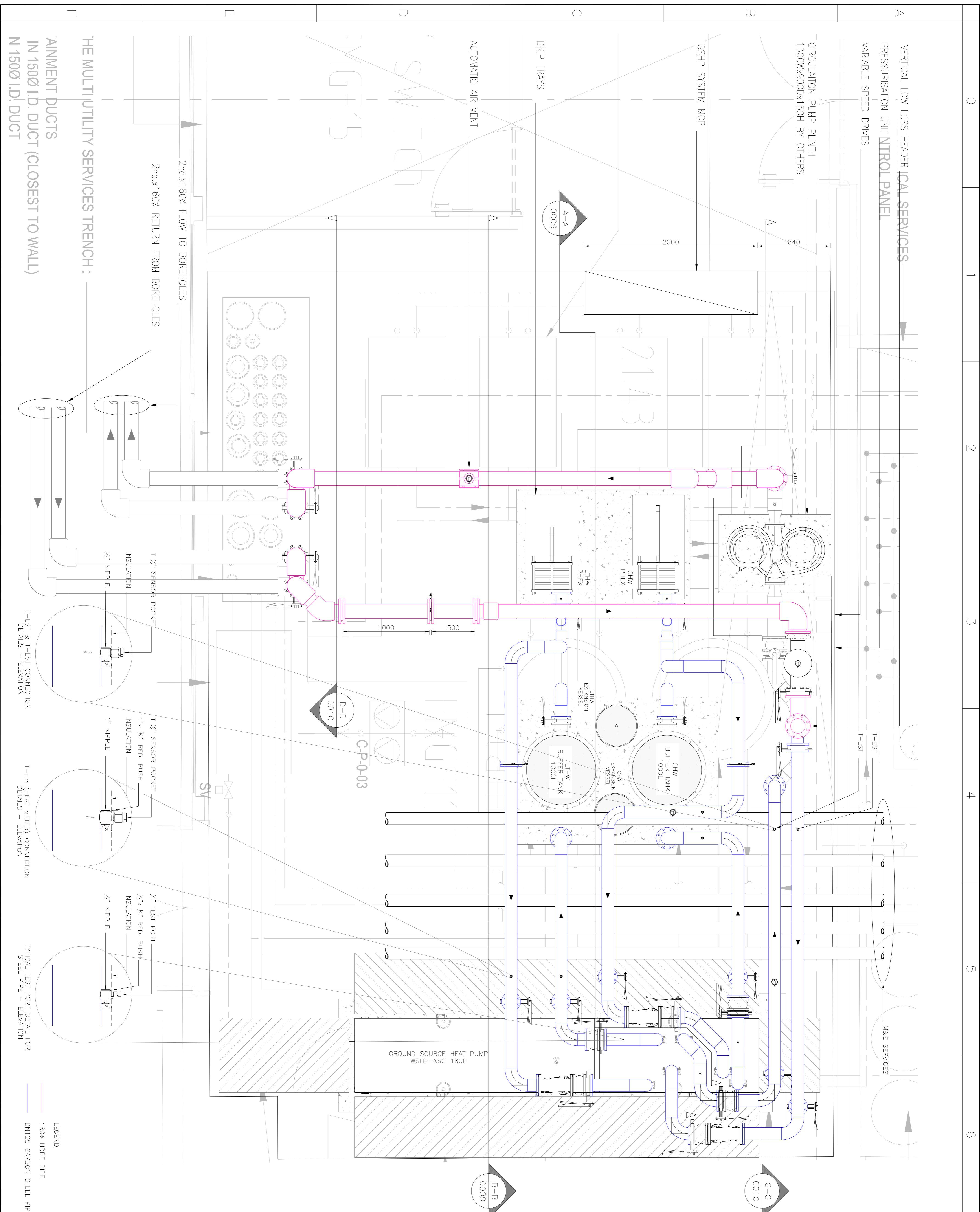
ground source heating cooling + hot water
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Project
 South Camden
 Community School

Drawing
 Geothermal
 Plant Room Layout

Drawn by:	MP	Date:	05-May-11
Checked by:	RM	Date:	06-May-11
Approved by:	RM	Date:	06-May-11
Drawing No.:	SCCS-GIL-0006	Revision:	C0

Drawing Scale: 1:20 @ A1



THE MULTI UTILITY SERVICES TRENCH:

AIRMENT DUCTS
 IN 1500 I.D. DUCT (CLOSEST TO WALL)
 N 1500 I.D. DUCT

2no x 160ø FLOW TO BOREHOLES
 2no x 160ø RETURN FROM BOREHOLES

T ½" SENSOR POCKET
 INSULATION
 ½" NIPPLE

T-LST & T-EST CONNECTION
 DETAILS - ELEVATION

T ½" SENSOR POCKET
 1" x ½" RED. BUSH
 INSULATION
 1" NIPPLE

T-HW (HEAT METER) CONNECTION
 DETAILS - ELEVATION

½" TEST PORT
 ½" x ½" RED. BUSH
 INSULATION
 ½" NIPPLE

TYPICAL TEST PORT DETAIL FOR
 STEEL PIPE - ELEVATION

LEGEND:
 160ø HDPE PIPE
 DN125 CARBON STEEL PIPE