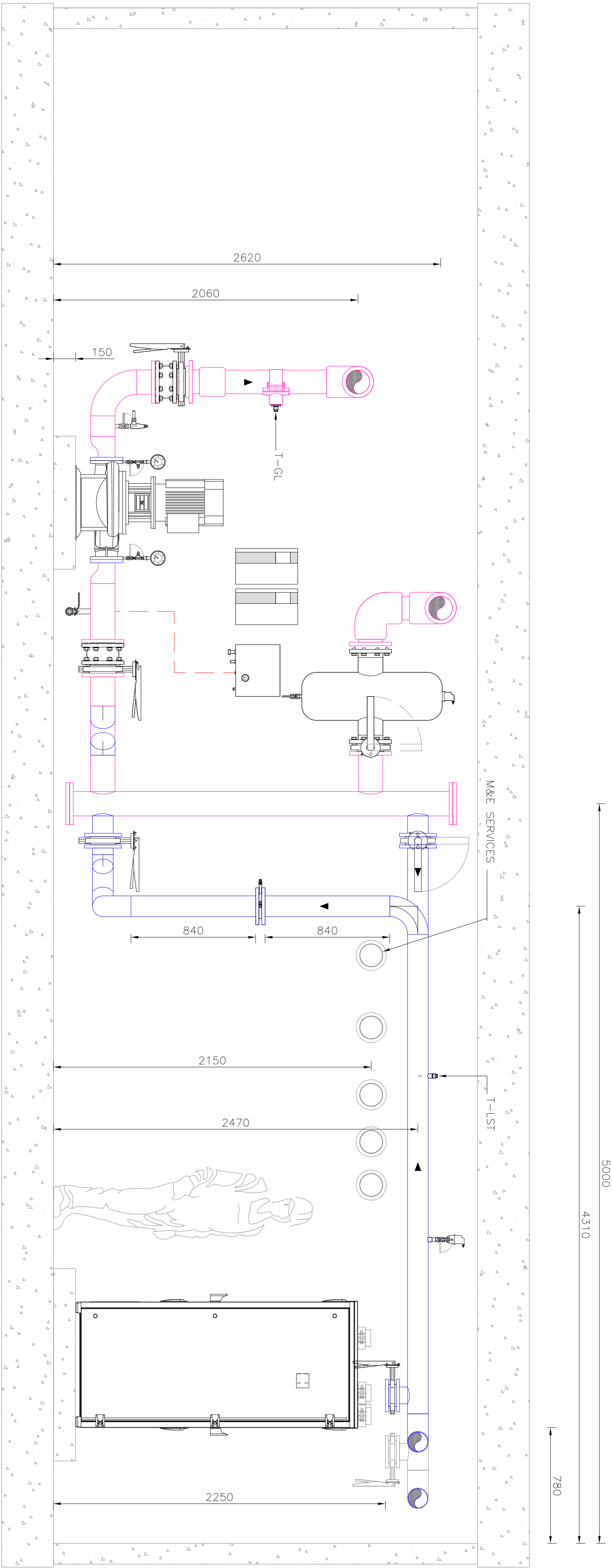
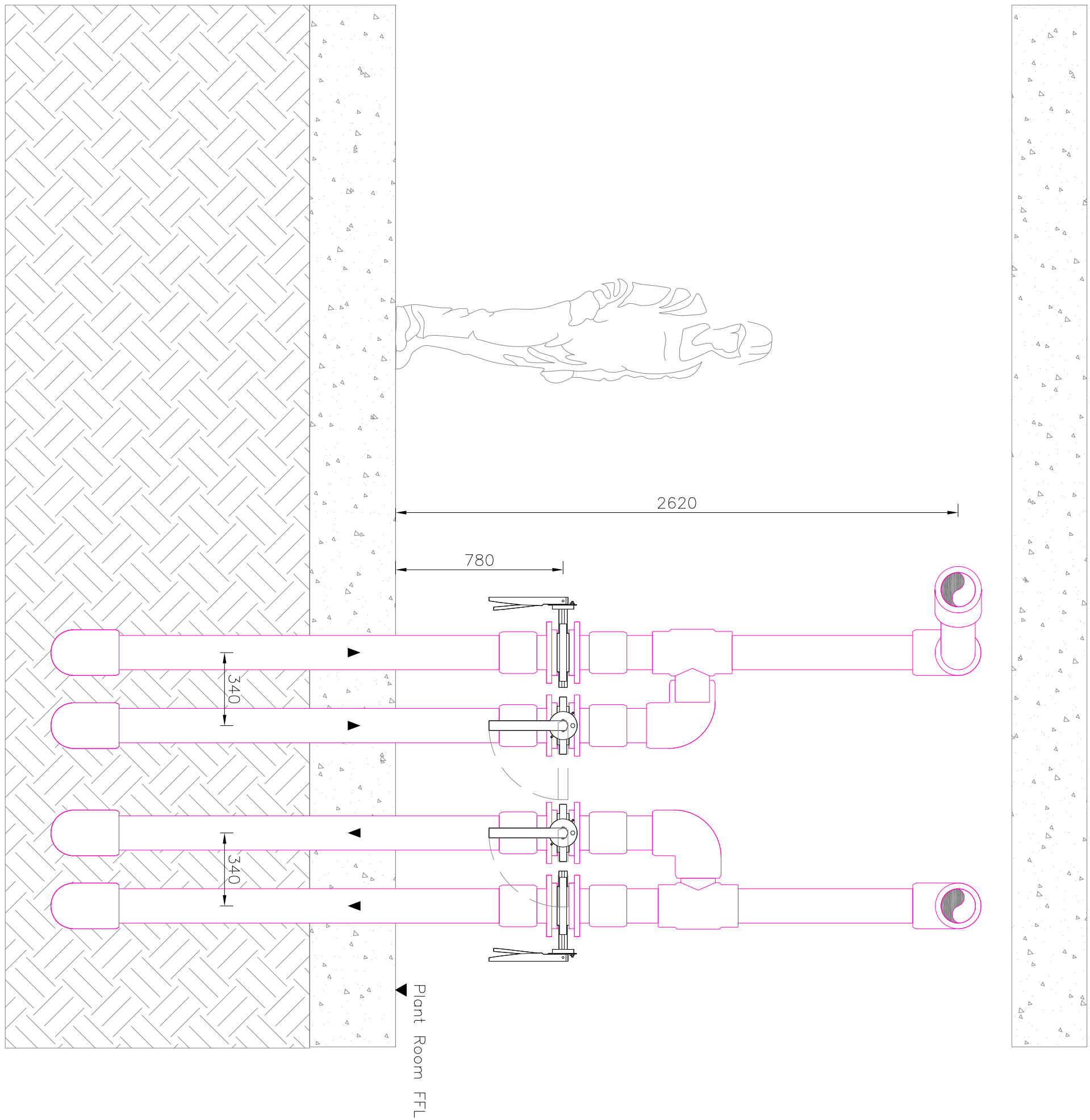




SECTION C-C
CONNECTION GROUND LOOP CIRCUIT



SECTION D-D

LEGEND:

- 160ø HDPE PIPE
- DN125 CARBON STEEL PIPE



geothermal international

Notes:

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

Project

South Camden
Community School

Drawing

Geothermal
Plant Room Sections

Drawn by:	MP	Date:	13-Jul-11
Checked by:	RM	Date:	13-Jul-11
Approved by:	RM	Date:	13-Jul-11
Drawing No.	SCCS-GIL-0010	Revision	C0

Drawing Scale: 1:20 @ A1