

UNDERGROUND SERVICES

- 1) Although every effort has been made to trace underground services using radiodetection no guarantee can be given that all have been found. Due to their non-conductivity it may not be possible to trace certain types of plastic service pipes, e.g. Gas & Water. Service trial holes must be dug prior to excavation.
- 2) In the absence of evidence to the contrary the routes of confirmed manhole connections are assumed to be direct and straight.
- 3) This survey has been carried out in accordance with the RICS specification for tracing underground utilities at scales of 1:500 & larger.
- 4) Underground service information should be read in conjunction with latest statutory drawings.
- 5) Please note that it is illegal to lift telecommunications covers in public areas. Their routes can be ascertained by contacting the relevant statutory authorities. Broken or damaged manholes were not lifted by Laser Surveys Limited. It is not possible to trace plastic pipes by radiodetection e.g. Gas Meter or fibre optic cables or pipes of less than 100mm in diameter. The electronic detection of pipe GPR will apply to live metallic pipes/cables that we can produce a signal from. As an option we can employ a specialist contractor to excavate and install a locate service not detectable by radiodetection. All tracing is subject to retrieval of clear signals.
- 6) The different services are denoted as follows:--

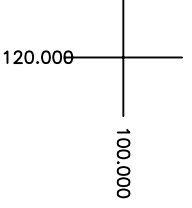
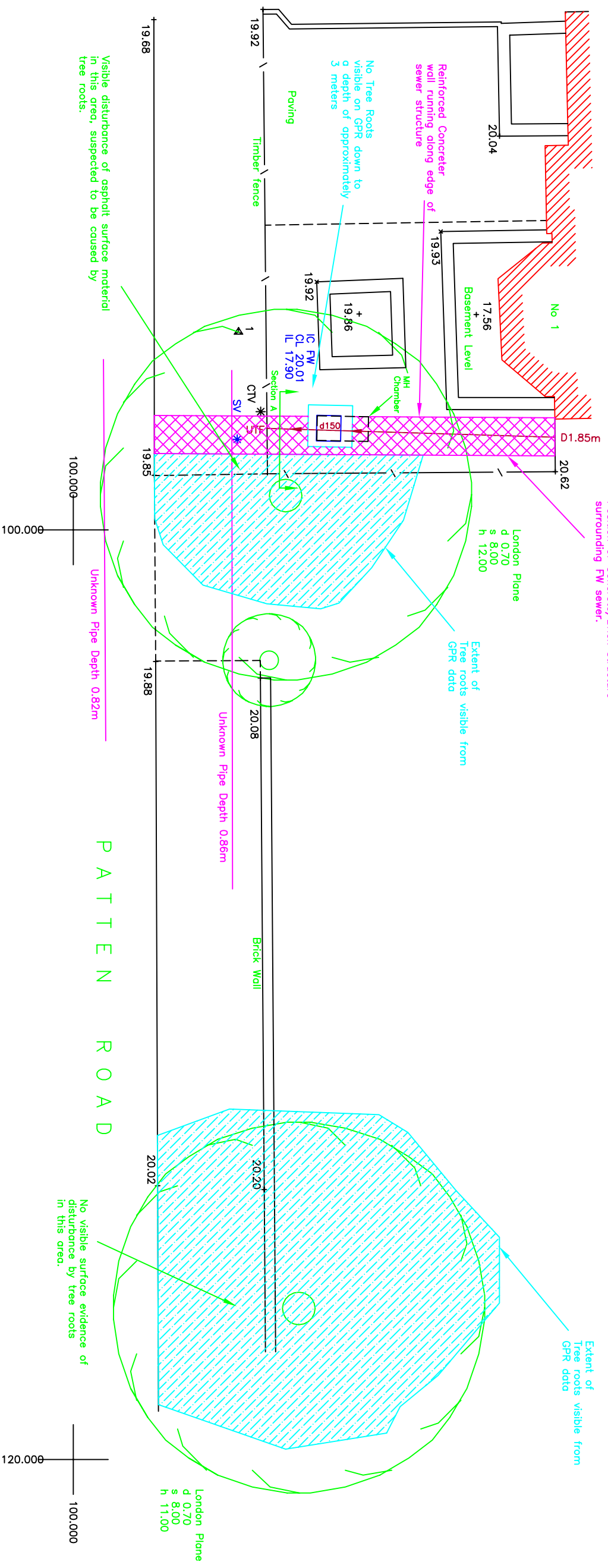
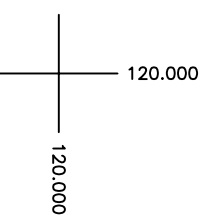
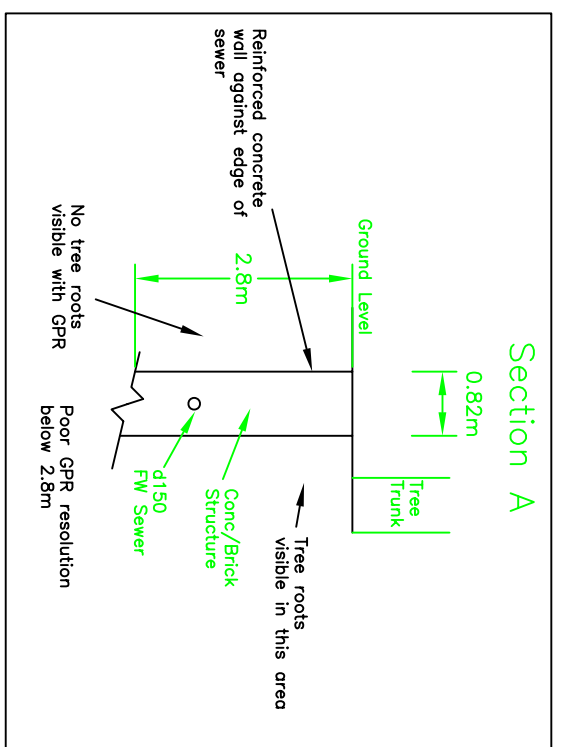
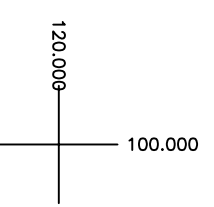
----- Underground Foul Drainage

GROUND RADAR

The material surrounding and particularly above buried services can affect whether the services can be resolved using GPR. Reinforced concrete, buried metallic objects, the presence of moisture or clay and changes in the material construction can lead to poor data resolution.

As we have no information with respect to the material overlying any services the GPR method can only give a guaranteed accuracy of 50%.

Depth results using GPR are typically accurate to within 10% with a horizontal accuracy of  $\pm 150mm$ . These figures will vary as the velocity of the ground is assumed at 80m/s.



**LASER SURVEYS**  
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**DATUM NOTES**  
GRID IS BASED ON ARBITRARY COORDINATES  
LEVELS ARE RELATED TO ARBITRARY DATUM  
BENCH MARK USED IS LOCATED AT:  
SURVEY STATION No 1  
VALUE 20.00m  
SURVEY CONTROL STATIONS SHOWN ▲

**ABBREVIATIONS USED:**  
IL Invert Level  
CL Cover Level  
D Depth  
h Height (m)  
s Contour Speed (m)

**1 PATTEN ROAD**  
**WANDSWORTH, SW18 3RH**

**NOTES**

**SURVEYED FOR**  
MINIRO DEVELOPMENTS  
82 SOUTH PARK ROAD  
WIMBORNE  
LONDON  
SW19 8SZ

**DATE** 02.10.08

<b>DRAWING NO</b>	L 4252
<b>SCALE</b>	1 : 100
<b>SEE ALSO DWG NOS</b>	L
<b>SHEET</b>	1 of 1
<b>JOB NO</b>	L 4252