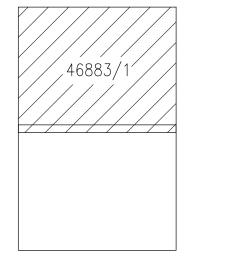


Key for underground services End of trace Traffic light cabling — TI — TI — TI _____ TV _____ TV ____ Multiuser ducts — MU — MU — MU — End of trench scar EOSc Unidentified — — — — — — — — — — Overhead service — o/h — o/h — Survey Boundary Where chamber extents are significantly greater than the cover size, their approximate extents are shown thus; Inaccessible areas, shown thus; Inaccessible areas due to vegetation, shown thus;

Service duct, shown thus;

<u>Sheet layout</u>



Abbreviations for underground services

Mkr Marker post NFI No further information AC Asbestos cement ALK Alkathene AV Air valve NL-A Not located - route assumed BD Back drop
BH Bore hole
Br Brick
BTIC British Telecom inspection NL-I Not located - route plotted from on-site information NL-R Not located - route plotted from records NL-T Not located - plotted from BTMH British Telecom manhole visible trench scar detail NRV Non return valve CA Compressed air CATV Cable tv
CCTV Closed circuit television No signal o/h Overhead Polyethylene

CH Coal hole
CI Cast iron
CL Cover level
CM Cable marker pe Pot ended PR Pipe riser PRV Pressure reducing valve CONC Concrete C/PIT Catch pit PVC Polyvinyl chloride Rodding eye Road gully CU Copper
CR Cable riser
DB Direct buried RS Road sign RWP Rain water pipe DI Ductile iron

ECP Electric cable pit

EHV Extra high voltage

EJB Electric joint box

EP Electricity pole S/A Soakaway SC Stop cock

Side entry

Spun iron Soffit level ER Earthing rod
ES Earthing strap
FH Fire hydrant Soil pipe Steel SV Stop valve FL Floor level
Flt Flood light
F/O Fibre optic SVP Soil vent pipe SW Sink waste TCB Telephone call box FP Feeder pillar T/I Trapped inlet T/O Trapped outlet

GM Gas meter Telephone pole GV Gas valve HV High voltage UST Underground storage tank UTL Unable to lift IC Inspection chamber UTF Unable to find Invert level UTGA Unable to gain access Kv Kilo volts UTR Unable to rod UTS Unable to survey
UTT Unable to trace LD Land drain LH Lamp hole LP Lamp post VC Vitrified clay

LPG Liquid petroleum gas LV Low voltage WL Water level
MDPE Medium density polyethylene WM Water meter
MH Manhole WO Wash out Notes for underground services

I. A combination of electromagnetic techniques & ground penetrating radar have been used, as appropriate, in the location of underground services and drains. The results are not infallible and trial excavations should be carried out to confirm service identification, positions and particularly depths, where these are critical. Although all reasonable effort has been made in searching available record drawings, the completeness of the underground services information cannot be guaranteed.

II. Where no cover level is available, depths to pipe inverts are shown thus; IL 0.95d III. Depths of services at inspection chambers, where possible, are shown thus; 0.95d IV. Depths obtained electronically are generally to the centre of the service and are shown thus; (0.80)

V. Number of duct ways, where known, shown thus; 2W

VI. Pipe sizes, which cannot be obtained by visual survey, are taken from record drawings/marker plates where available.

VII. Cable routes shown as a single line may actually consist of many cables. VIII. Electric cable routes shown are assumed to be LV unless otherwise annotated IX. Information taken from records is suffixed thus; (R)

X. Drainage pipe sizes & invert levels have been determined without man entry into chambers. Every effort has been made to correctly obtain this information, however, accuracy is dependent on visibility from the surface.

XI. To assist with clarity of presentation, services and drains have been extended within buildings.

REV NO REV NOTE

H D SURVEYING

Client Interserve Consulting

Title Location of Underground
Services and Drains
International House, Elmdon
Estate, Bickenhill Lane, Solihull

Surveyed DC/BT/AS/AW
Drawn DC
Checked MPW Date Jan 2014 Scale 1:200@A0

Drawing No. 46883/1