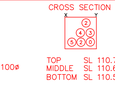
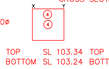
Station	Easting	Northing	Level
S1	434757.454	405952.294	109.713
S2	434809.100	405988.911	106.743
S3	434766.337	406038.149	103.632
S4	434756.810	406023.264	110.432
S5	434731.995	405999.940	110.846
S1A	434737.661	405977.095	110.710
S1B	434731.544	405947.849	111.719
S4A	434769.812	405997.541	110.484

SCHEDULES FOR INSPECTION CHAMBERS

IC1 BT  	CL 111.04 DUCT A: SL 110.37 DUCT B: SL 110.61 ALL DUCTS: 100ø	IC2 BT  	CL 110.99 DUCT A: SL 110.15 DUCT B: SL 110.27 ALL DUCTS: 100ø CROSS SECTION  TOP SL 110.79 MIDDLE SL 110.65 BOTTOM SL 110.51
IC3 CATV 	CL 111.07 UTR: JAMMED	IC4 WATER VALVE 	CL 110.94 PIPE: 50ø SL 110.25 DEPTH TO SILT: 0.70mbgl	IC5 BT  	CL 110.90 DUCT A: SL 110.44 DUCTS B: SL 110.44 ALL DUCTS: 100ø
IC6 BT  	CL 109.96 DUCT A: 100ø SL 109.45	IC7 BT & CABLES  	CL 109.94 DUCTS A,C: 100ø SL 109.42 DUCT B: 50ø SL 109.44 DUCT D: 100ø SL 109.39	IC9 CATV  	CL 109.56 DUCT A: SL 109.23 DUCT B: SL 109.25 ALL DUCTS: 100ø
IC10 CATV  	CL 107.23 DUCTS A: CAPPED SL 106.91 DUCTS B: SL 106.82 ALL DUCTS: 100ø DEPTH TO WATER: 0.45mbgl	IC11 CABLES  	CL 107.15 ALL DUCTS: 100ø CROSS SECTION  TOP SL 106.84 TOP SL 106.85 BOTTOM SL 106.77 BOTTOM SL 106.77		
IC19 CABLES  	CL 103.72 ALL DUCTS: 100ø CROSS SECTION  TOP SL 103.34 TOP SL 103.31 BOTTOM SL 103.24 BOTTOM SL 103.21				
IC20 TRAFFIC  	CL 103.59 DUCTS A: SL 103.43 ALL DUCTS: 100ø CROSS SECTION  TOP SL 103.09 BOTTOM SL 102.99				
IC26 BT 	CL 106.13 UTR IN ROAD JUNCTION	IC27 ELECTRIC  	CL 110.36 ELECTRIC COVER: SL: 110.16 DEPTH TO SILT: 0.20mbgl		

SCHEDULES FOR DRAINAGE CHAMBERS

MH8 SURFACE  	CL 109.89 PIPE X: 300ø IL 108.80 PIPE A: 150ø IL 108.81 PIPE B: 150ø IL 108.99 PIPE C: 225ø IL 108.85	MH12 SURFACE  	CL 110.27 PIPE X: 225ø IL 109.56 PIPE A: 150ø	MH13 SURFACE  	CL 110.60* PIPE X: 225ø IL 109.43* PIPE A: 225ø IL 109.45* PIPE B: 150ø
MH14 SILT TRAP  	CL UTM PIPE A: 100ø IL 1.13mbgl PIPE B: 150ø IL 1.09mbgl NO OUTFALL PIPE VISIBLE DEPTH TO SILT: 1.60mbgl	MH15 SURFACE  	CL UTM PIPE X: 150ø IL 3.11mbgl PIPE A: 150ø IL 2.04mbgl	MH16 SURFACE  	CL 107.07 PIPE X: 300ø IL 105.95 PIPE A: 150ø IL 106.09
MH17 FOUL  	CL 107.06 PIPE X: 225ø IL 105.85	MH18 FOUL  	CL 106.98 PIPE X: 225ø IL 105.75 PIPE A: 100ø IL 105.77	MH21 SURFACE  	CL 109.04 PIPE X: 150ø IL 107.79
MH22 SURFACE  	CL 109.13 PIPE X: 150ø IL 108.22	MH23 SURFACE  	CL 109.58 PIPE X: 300ø IL 108.53 PIPE A: 150ø IL 108.63	MH24 SURFACE RAISED FROM KERB  	CL 110.96 PIPE X: 150ø IL 108.96
MH25 SURFACE 	CL 108.26 UTR IN ROAD	MH28 SURFACE 	CL 111.49 UTR JAMMED		

Direction of North

NOTES

1. All cover levels and invert levels are in metres and relate to the 12864-108_20T.dwg drawing levels.
2. Unless otherwise stated, all services shown on this plan have been surveyed using approved detectors and the connections between manholes, if not traced, are assumed to be direct.
3. Locational accuracy is determined by referring to manufacturer's guidelines for the detectors used. In ideal conditions the vertical accuracy for the underground utilities located and mapped are ±10% of the depth. The horizontal accuracy is ±200m, although the majority of traced utilities will be much more accurate than this.
4. Depths shown on the drawing are the depth in metres below ground level to the centre of the conductor and do not necessarily indicate the depth to a duct or pipe.
5. The cables shown on this drawing may represent the path of several cables contained within a duct, or more than one duct if they are closely associated. The inspection chamber schedules should be referred to for duct & cable numbers.
6. The results of electro-detection techniques are not infallible –although all reasonable effort is made during site detection the completeness of the underground services information cannot be guaranteed.
7. An electric current will flow along the path of least resistance. This means that when a current is induced into a feature it will "jump" to adjacent features if they offer a better conducting pathway. It is possible therefore that features that are detected by connecting to one type of apparatus may not in fact be that type of utility. The identification of apparatus cannot be assumed to be totally accurate.
8. It should be noted that the technique is limited to detecting features that either generate an electromagnetic field, such as power cables, or around which an electromagnetic field can be induced, such as some water pipes and some telecommunications cables (or empty pipes & ducts into which a conductor can be inserted), and it cannot therefore be guaranteed to reveal the exact routes of all buried services or to detect their presence.
9. Ground Penetrating Radar (GPR) has been used to survey transects across selected areas of the site. GPR has the potential to identify services unlocatable using traditional RFL techniques (i.e plastic pipes, fibre optics). However, the success of GPR is dependent upon many factors, including local ground conditions, density of services in the vicinity and ground vibration amongst others. The use of GPR cannot guarantee the detection of all services and service records should always be consulted in conjunction with the results of any electro-detection survey.
10. This drawing and the information contained therein is issued in confidence and is the copyright of Met Geo Environmental. Disclosure of this information to third parties and unauthorised copying or replication of this data without approval is forbidden.

ALWAYS EXERCISE CAUTION WHEN EXCAVATING

NO UTILITY MAPPING SURVEY CAN BE CONSIDERED 100% COMPLETE AND ADDITIONAL UTILITIES MAY EXIST BEYOND THOSE SHOWN ON THIS DRAWING. BE AWARE THAT SERVICES SHOWN MAY MASK OTHER UTILITIES BURIED BENEATH THEM. ALWAYS USE THIS INFORMATION ALONGSIDE UP-TO-DATE SERVICE RECORDS AND EMPLOY SAFE DIGGING PRACTICES IN ACCORDANCE WITH HSG47.

SUB-SURFACE KEY

- C — UNSPECIFIED/UNIDENTIFIED CABLE(S)
- C — COMMUNICATIONS/DATA CABLES
- BT — BT CABLE(S)
- > FD — FOUL DRAINAGE
- > SD — SURFACE DRAINAGE
- > SD (AR) — SURFACE DRAINAGE– ASSUMED ROUTE
- > D — DRAINAGE – UNIDENTIFIED SERVICE
- W — WATER SERVICES
- SL — STREET LIGHT CABLE(S)
- TL — TRAFFIC LIGHT CABLE(S)
- U — UNIDENTIFIED SERVICES
- X — EMPTY DUCTS
- GPR — POSSIBLE SERVICE – IDENTIFIED BY GPR
- GPR — PROBABLE SERVICE – IDENTIFIED BY GPR
- P — POWER (LINEAR RESPONSE DETECTED USING 'POWER' MODE OF EM LOCATOR – INDUCED 50 Hz GROUND CURRENTS)
- M (0.75) — APPROXIMATE DEPTH BELOW GROUND LEVEL OF APPARATUS IN METRES
- W (AR) — SERVICE NOT PROVEN – ROUTE ASSUMED FROM ONSITE INFORMATION.

INFORMATION FROM SERVICE RECORDS

- BT (NL) — BT CABLE(S) FROM SERVICE RECORDS
- HV (NL) — HIGH VOLTAGE CABLE(S) FROM SERVICE RECORDS
- LV (NL) — LOW VOLTAGE CABLE(S) FROM SERVICE RECORDS
- W (NL) — WATER APPARATUS FROM SERVICE RECORDS
- GAS (NL) — GAS APPARATUS FROM SERVICE RECORDS

U/R	UNABLE TO RAISE	mbgl	
U/T	UNABLE TO TRACE	CL	COVER LEVEL
U/M	UNABLE TO MEASURE	*	MEASUREMENT ESTIMATED
OS	SERVICE EXTENDS OFF SITE	SL	SOFFIT LEVEL OF PIPE/DUCT
ø	DIAMETER OF PIPE OR DUCT	IL	INVERT LEVEL OF PIPE/DUCT
LOS	LOSS OF SIGNAL	m BGL	METRES BELOW GROUND LEVEL

CABLE DUCT SHOWING NUMBER OF CABLES — SITE BOUNDARY

Rev	Date	Drawn	Description	Check
-	--/--/----	--	--	--

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Site: Park Grove Surgery
Burleight Street, Barnsley, S70 1LB

Title: Utility location survey

Surveyed	RB SH HO	Drawn	HO SH
Chk.	HB	Date	04/12/2014
Scale [A0 Sheet]	1/200	DWG Ref (Layout No)	12864-108_UTM
Status	FINAL		
Job No	12864-108	Rev	Ø