ABBREVIATIONS

32-BC	32mm B.Cable	DI	Depth To Invert
Ø	Diameter	DS	Depth To Silt
AN	Assumed Node	EBD	External Bollard/lp
B/L	Base Level	EOT	End Of Trees
CB	Concrete Bend/leg	IL	Invert Level
CBC	Circular Brick Chamber	RBC	Rectangular Brick Chamber
CCC	Circular Concrete Chamber	RCC	Rectangular Concrete Chamber
CL	Cover Level	SL	Silt Level
CPC	Circular Plastic Chamber	TPR	Taken From Records
C/L	Crown Level	U/L	Unable To Lift
DO	Depth To Outlet	U/T	Unable To Trace

BT CABLE(S)
COMMUNICATION CABLE(S)
CABLE TV CABLE(S)
ELECTRIC CABLE(S)
OVERHEAD ELECTRIC CABLE(S)
FIBRE OPTIC CABLE(S)
GAS MAIN
GAS SERVICE
GROUND PENETRATING RADAR (GPR) TRACE
HOT WATER PIPE
LIGHTING CABLE(S)
SECURITY CABLE(S)
UNIDENTIFIED TRACE
WATER MAIN
WATER SERVICE
COMBINED SEWER
FOUL SEWER
RISING MAIN
SURFACE WATER SEWER
UTILITIES INVESTIGATION POINTS

UTILITIES COMMENT BCH

DIP TH TO SERVICE

AVAILABILITY OF UTILITY RECORD DRAWINGS

UTILITY	AVAILABILITY	UTILITY	AVAILABILITY
SEWER	NO	CABLE TV	NO
WATER MAIN	NO	ELECTRICITY	NO
GAS MAIN	PUBLIC	OIL PIPELINES	NO
BT	PUBLIC	OTHER	NO

NOTES

ALL BELOW GROUND DETAILS SHOWN HAVE BEEN IDENTIFIED FROM ABOVE GROUND WITHOUT EXCAVATION. SURVEY SOLUTIONS (UTILITIES) USE ELECTROMAGNETIC AND GROUND PENETRATING RADAR (GPR) TECHNIQUES TO LOCATE UNDERGROUND UTILITIES AND SERVICES AND PLOT RESULTS USING THESE METHODS ARE NOT AVAILABLE AND WE RECOMMEND TRIAL EXCAVATIONS ARE CARRIED OUT TO CONFIRM ANY IDENTIFICATIONS, POSITIONS AND DEPTHS.

ANY AREAS ON THE DRAWING WHERE SERVICES OR FEATURES HAVE NOT BEEN SHOWN ARE NOT NECESSARILY CLEAR OF SERVICES OR FEATURES BUT WE AN INDICATION THAT NO ITEMS HAVE BEEN IDENTIFIED DURING OUR INVESTIGATIONS. ALL RESONABLE CARE AND NORMAL CARE AND DUE DILIGENCE SHOULD STILL BE EMPLOYED DURING DESIGN AND CONSTRUCTION PROCESSES.

CERTAIN TYPES OF SERVICES SUCH AS PLASTIC OR CONCRETE PIPES AND SOME CONDUIT AND DUCTING WHERE DIRECT ACCESS CAN NOT BE ACHIEVED FOR TRACING MAY NOT BE SHOWN AND ALTERNATIVE LOCATING METHODS SHOULD BE USED.

SURVEY SOLUTIONS (UTILITIES) HAS USED ALL REASONABLE CARE TO RE SEARCH AVAILABLE RECORDS AND ASSUME THAT THE INFORMATION PROVIDED BY THE RELEVANT AUTHORITIES TO DRAW SURVEY SOLUTIONS CANNOT BE GUARANTEED. THEREFORE SURVEY SOLUTIONS CANNOT BE HELD RESPONSIBLE FOR ANY FEATURES AND/OR ITEMS NOT RECORDED TPR).

DEPTHS OBTAINED USING ELECTROMAGNETIC OR GPR WILL REFLECT THE GROUND CONDITIONS AND SHOULD BE TREATED AS INDICATIVE ONLY. ELECTROMAGNETIC DEPTHS ON UTILITIES AND SERVICES ARE GENERALLY TAKEN TO THE CENTRE OF A FEATURE, OR DEPTHS TO THE TOP OF A FEATURE AND DRAINAGE DEPTHS ARE TAKEN TO INVERTS, UNLESS OTHERWISE INDICATED.

DRAINAGE PIPE SIZES WILL BE OBTAINED WITHOUT ENTERING THE CHAMBER AND THEREFORE SHOULD BE TREATED AS APPROXIMATE. PIPE DIMENSIONS WHICH HAVE NOT BEEN OBTAINED VISUALLY WILL BE TAKEN FROM RECORDS WHEN AVAILABLE.

ALL SERVICES, DRAINAGE AND UTILITIES ROUTES ARE ASSUMED STRAIGHT BETWEEN ACCESS POINTS, UNLESS OTHERWISE STATED. THE NUMBERS OF ORIFICES IN RUNS WILL NOT BE SHOWN UNLESS SPECIFICALLY REQUESTED. ALL SERVICES ARE BELOW GROUND UNLESS INDICATED.

SERVICES, UTILITIES AND FEATURES MAY NOT HAVE BEEN SURVEYED IF OBSTRUCTED OR NOT REASONABLY VISIBLE AT THE TIME OF SURVEY.

SURVEY SOLUTIONS (UTILITIES) ACCEPT NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF EITHER THE TOPOGRAPHICAL SURVEY OR BASE MAPPING IN THIS REQUEST.

ALL CRITICAL DIMENSIONS AND MEASUREMENTS SHOULD BE CHECKED AND VERIFIED WITH DRAWINGS OR DISCREPANCIES NOTIFIED TO SURVEY SOLUTIONS IMMEDIATELY. THE ACCURACY OF THE DIGITAL DATA IS THE SAME AS THE PLOTTING SCALE INPUTS. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.

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DO NOT SCALE FROM THIS DRAWING.

THE CONTRACTOR MUST CHECK AND VERIFY ALL SITE INVOICE LINE DIMENSIONS, LEVELS, UTILITIES AND DRAINAGE DETAILS AND CONNECTIONS PRIOR TO COMMENCING WORK.

REV	DESCRIPTION	DRAWN	APPR	DATE

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