



SURVEY ABBREVIATIONS			
AV	AIR VALVE	Mkr	UTILITY MARKER
BT	BRITISH TELECOM	MUR	MULTIPLE CABLES/PIPES
CCTV	CLOSED CIRCUIT TELEVISION	PM	PARKING METER
COMMS	COMMUNICATIONS CABLE	RE	ROAD SIGN
CTV	CABLE TELEVISION	RWP	RAINWATER PIPE
ELEC	ELECTRICITY CABLE/APPARATUS	RS	ROAD SIGN
EMIL	ELECTROMAGNETIC LOCATION	SF	SOFFIT DEPTH
EOT	END OF TRACE	Skw	SINK WASTE
ER	EARTH ROD	SL	STREET LIGHT (CABLE)
FH	FIRE HYDRANT	SV	STOP COCK (WATER)
GY	GULLY	SVP	STOP VALVE (WATER)
GPR	GROUND PENETRATING RADAR	TCB	SOIL VENT PIPE
GV	GAS VALVE	TFR	TELEPHONE CALL BOX
HV	HIGH VOLTAGE >1000V	TL	TAKEN FROM RECORDS
HW	HEATING	TP	TRAFFIC LIGHT
IC	INSPECTION CHAMBER	UTL	TELEGRAPH POLE
JB	JOINT BOX	UTT	UNABLE TO TRACE
LP	LAMP POST	VP	VENT PIPE
LV	LOW VOLTAGE <1000V	WM	WATER METER
		WO	WASH OUT

BURIED SERVICES KEY			
AIR CONDITIONING	GRP LINEAR FEATURE		
CABLE TV			
COMBINED DRAINAGE			
COMMUNICATIONS			
EARTHING			
FIBRE OPTICS			
FOUL WATER			
FUEL			
FLOW DIRECTION			
GAS			
INVERT LEVEL OF PIPE/DUCT (TO SURVEY DATUM)		IL 12.34	
SOFFIT LEVEL OF PIPE/DUCT (TO SURVEY DATUM)		SL 12.34	
COVER LEVEL OF INSPECTION CHAMBER		CL 12.34	

TENDER ISSUE

P1	INITIAL DRAWING	AG	21/12/23	MY
REV	DESCRIPTION	BY	DATE	CHKD

PROJECT INFORMATION	CLIENT: ISS FACILITIES SERVICES			
	PROJECT: HALFORDS LANE DEPOT SMETHWICK B66 1EL			
	DRAWN BY: AG	DATE: 21/12/23	CHECKED: MY	
	SCALES: 1:250@A3			
DRAWING TITLE	TOPOGRAPHICAL AND UTILITY SURVEY			
	PROJECT NO:	ORIGINATOR:	SYSTEM:	LEVEL:
	221089	MMML	00	ZZ
	DRAWING TYPE:	DEPARTMENT:	DRAWING NO:	STATUS:
DRAWING NO:	DR	G	8000	S3
	STATUS:	REVISION:		



McAndrew Martin Limited
PROFESSIONAL SOLUTIONS BY DESIGN

TRAFALGAR HOUSE
11 ACRE BUSINESS CENTRE
NORTHAMBOUR ROAD
PORTSMOUTH
HAMPSHIRE
PO6 3TH

TEL: 023 9269 7193
office@mcandrewmartin.com

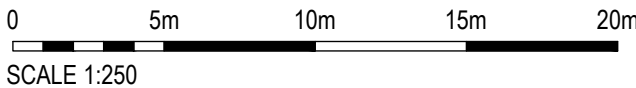


ISO 9001
ISO 14001
UKAS

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TOPOGRAPHICAL AND UTILITY SURVEY

SCALE 1:250



NOTES

SURVEY CONTROL:
THIS SURVEY IS BASED ON A GPS GRID & LEVEL DATUM. PERMANENT SURVEY CONTROL POINTS HAVE BEEN ESTABLISHED THROUGHOUT THE SURVEY AREA SHOULD THERE BE A REQUIREMENT TO TIE THE SURVEY TO AN EXISTING SURVEY GRID AT A LATER DATE.

BURIED SERVICES:
THE SURVEY DATA PRESENTED IN THIS DRAWING HAS BEEN COLLECTED IN ACCORDANCE WITH THE BSI PAS128 SPECIFICATION FOR UNDERGROUND UTILITY DETECTION, VERIFICATION AND LOCATION. THE DRAWING HAS BEEN COMPILED USING A COMBINATION OF UTILITY ASSET INFORMATION, VISUAL SURVEY OF INSPECTION CHAMBERS, ELECTROMAGNETIC LOCATION TECHNIQUES AND GROUND PENETRATING RADAR. THE LIMITATIONS OF THESE TECHNIQUES AND THE RESULTING DATA ARE EXPLAINED IN THE ACCOMPANYING SURVEY REPORT.

ALL BURIED SERVICES HAVE BEEN SURVEYED USING APPROVED METHODS. CONNECTIONS BETWEEN INSPECTION CHAMBERS ARE PRESUMED TO BE DIRECT UNLESS INDICATED.

ALL UTILITY DEPTHS ARE IN METRES AND ARE TAKEN TO THE TOP OF THE SERVICE UNLESS OTHERWISE STATED.

ALL PIPE/DUCT SIZES ARE IN MILLIMETRES AND ARE TAKEN FROM VISUAL INSPECTION OR EXISTING RECORD DRAWINGS.

A SINGLE SERVICE LINE ON THE DRAWING MAY REPRESENT MULTIPLE CABLES, PIPES OR DUCTS.

DUE TO THE NATURE OF THE DETECTION TECHNIQUES SOME FEATURES SHOWN ON THE DRAWING MAY NOT BE UTILITIES BUT SUBSURFACE LINEAR OBJECTS OR FEATURES. DUE TO THESE LIMITATIONS ALL UTILITY IDENTIFICATIONS SHOULD BE TREATED WITH CAUTION AND VERIFIED PRIOR TO USE FOR DESIGN OR CONSTRUCTION.

NOT ALL BURIED PIPES, CABLES AND DUCTS CAN BE DETECTED THEREFORE NO UTILITY MAPPING SURVEY CAN BE CONSIDERED A 100% ACCURATE DEPICTION OF THE UNDERGROUND ENVIRONMENT. THEREFORE THE USE OF SAFE DIGGING TECHNIQUES IN ACCORDANCE WITH THE REQUIREMENTS OF HSG47 AND CURRENT CDM REGULATIONS SHOULD BE IMPLEMENTED. IN CRITICAL AREAS A PAS128 QL-A VERIFICATION SURVEY IS STRONGLY ADVISED.