



1. Surveyed
2. Survey related to local existing metric grid.
3. Levels related to ST01. Assumed value = 15.987m

Station	Eastings	Northings	Elevation	Type
ST01	502290.443m	171749.458m	15.987m	Nail
ST02	502285.996m	171768.866m	15.981m	Nail
ST03	502251.272m	171750.438m	15.922m	Nail
ST04	502292.039m	171775.458m	15.955m	Nail
ST05	502263.869m	171767.750m	16.081m	Nail
ST05A	502252.416m	171788.140m	16.179m	Nail
ST06	502270.182m	171796.716m	15.380m	Nail
ST06A	502286.244m	171795.958m	15.374m	Nail
ST07	502311.161m	171779.011m	16.177m	Nail
AB01	502318.859m	171758.949m	16.107m	Nail
AB02	502324.473m	171774.187m	15.958m	Nail

GENERAL:

No allowance has been made for sub-surface entry into manholes or other chambers or confined spaces below ground level. Therefore any details relating to depths, sizes etc. are taken from the surface and as such will be approximate only.

We have endeavoured to supply you with the most accurate data possible by using methods and equipment that are at the forefront of our industry.

We have taken great care in the detection of the pipework and buried features, but, as with all methods of detecting underground or buried utilities, the information provided is based on results obtained from electronic and radar scans and as such may be liable to distortion or errors beyond the reasonable control of the operator or his instruments.

A correction factor has been applied where this is evident but no responsibility can be accepted for errors, omissions or incorrect data.

NOTES:

- Measurements on drains & sewers are to invert.
- Measurements on pipes are depth of cover.
- Measurements on cables are to the centre.

	BANK BOTTOM		CHAMBER EXTENTS
	BANK TOP		ELECTRIC CABLE / DUCT
	BOUNDARY		ELECTRIC CABLE (HV)
	BUILDING		GAS
	OUT BUILDING		SEWER (COMBINED WATER)
	O/H BUILDING CANOPY		SEWER (FOUL WATER)
	CANOPY (VEGETATION)		SEWER (SURFACE WATER)
	DITCH TOP		TELECOMS CABLE / DUCT
	DITCH TOP		UNKNOWN CABLE / DUCT
	DRAINAGE CHANNEL		VISIBLE TRENCH LINE
	FENCE		WATER MAIN
	HARD/HARD SURFACE CHANGE		UNABLE TO TRACE
	HARD/SOFT SURFACE CHANGE		END OF TRACE
	HEDGE		EMPTY UTILITY DUCT
	KERB		TAKEN FROM RECORDS
	KERB (DROOP)		
	O/H ELECTRIC		BUSH
	O/H TELECOMS		TRIAL PIT
	PIPELINE (A/G)		BOREHOLE
	ROAD EDGE		GATE
	SOFT/SOFT SURFACE CHANGE		PYLON
	STEPS		CABLE STAY
	SURVEY EXTENTS		CABLE STATION
	WALL		W/CHP
	X-SECTION		

AV	AIR VALVE	SPM	SPEED STOP (BT)	CS	CLOSED BORDERED
BA	BACK INLET GULLY	SW	SWITCH	CL	CLAMP LINK
BOL	BOLT	STV	STOP VALVE	CC	CONCRETE PAVED
BS	BUS STOP	SVS	SOIL VENT PIPE	(D)	DIMAPLATED
CA	CANY COVER	TBP	TELEPHONE CALL BOX	HR	HAND RAIL
CFR	CORNER	TCL	TELEPHONE CABINET	H	HEIGHT
ECab	ELECTRIC CABINET	TDCM	TELEFIC DEFIBRY CABLE	OP	OPEN BORDERED
EL	ELECTRIC COVER	TL	TELEFIC	PA	PALING
EP	ELECTRIC POST	TLF	TELEFIC LIGHT	PC	POST & CHAIN
ER	EARH ROAD	TLC	TELEFIC LIGHT CONTROL BOX	PR	POST & RAIL
FI	FIRE HYDRANT	TL	TELEFICS STOP	BS	SAFETY BARRIER
FM	FIRE MOUNTAIN	UC	UNDERGROUND	SC	SECURITY FENCE
GA	GATE POST	WB	WASTE BIN	TR	TRELLIS
GV	GAZE VALVE	WM	WASH OUT	WM	WIRE MESH
KO	KERB OUTLET	WM	WATER METER		
LP	LAMP POST	WL	WATER VALVE	BL	BLOCK
M	MATERIAL	VP	VERTICAL PIPE	BRX	BRICK
MP	MARKER POST	CV	COVER LEVEL	BPW	BLOCK PAVING
PBX	POST BOX	FFL	FINISHED FLOOR LEVEL	CMC	CONCRETE
PA	PAVING MATERIAL	GL	GROUND LEVEL	GR	GRASS
PO	POST	IL	INVERT LEVEL	PV	PAVING
RE	ROOMING LITE	TW	TOW UP TO WALL LEVEL	RT	RETAINING
RSL	ROUND SIGN			ST	STONE
RWP	RAMP WATER PIPE	UN	UNABLE TO LIFT	TM	TAMC

A		FIRST ISSUE	
	DATE	REVISIONS	Signed

ORIGINAL SIZE: A1 - DO NOT SCALE !

CLIENT : ADIEN
PROJECT :
FULL TOPOGRAPHICAL SURVEY
& UTILITY SURVEY
WATER TREATMENT WORKS

SURVEYOR :	DRAWN :	APPROVED :
RBR	RBR	
DIGITAL FILE :	ORIGINAL SIZE :	SCALE :
	A1	1:200
		SHEET:

DRAWING No: REV: A

Adien

A FLEXIBLE APPROACH TO UTILITY DETECTION AND MAPPING SERVICES

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