



NOTES :-

- Surveyed February 2010.
- Survey related to Ordnance Survey national grid (OSGB36). Scale Factor=0.9997100079.
- Levels related to station AP1, assumed value =6.953m

SHEET LAYOUT :-

TOPOGRAPHICAL LEGEND :-

- BANK BOTTOM - BANK TOP - BOUNDARY - BUILDING - CUT BACKING - ON BUILDING CANOPY - CANOPY VERTICATION - OTCH BOTTOM - OTCH TOP - ORANGE CHANNEL - FENCE - HARDWARE SURFACE CHANGE - HARDSOFT SURFACE CHANGE	- HEEDGE - KERN - KERN (DROP) - OH ELECTRIC - OH TELECOMS - PIPELINE (A/D) - PAVING LINE - ROAD EDGE - SOFTSOFT SURFACE CHANGE - STEPS - SURVEY EXTENTS - WALL - XSECTION
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ABBREVIATIONS :-

- AT ART VALVE - BS BACK-SIDE GULLY - BS1 BOLLARD (ST) - BS2 BUS STOP SIGN - CA CATV COVER - CCTV CATV CAMERA - CPEN DOG POOL BIN - ECAB ELECTRIC CABINET - EL ELECTRIC COVER - EP ELECTRIC POST - ES EARTH ROD - FI FIRE HYDRANT - G GULLY - GP GATE POST - GV GAS VALVE - HC HEATING COVER - HO KERN OUTLET - LP LAMP POST - MH MANHOLE - MP MARKET POST - PRK PEDESTRIAN BEACON - PM POST BOX - PD POST - PE PEDESTRIAN EYE - RS11 ROAD SIGN (LIT)	- RWP RAIN WATER PIPE - SP1 SEWER POST (LIT) - SP2M SPEED CAMERA - SV STOP VALVE - SVP SOIL VENT PIPE - TBU TELEPHONE CALL BOX - TGB TELECOMS CABINET - TGBM TRAFFIC DENSITY CAMERA - TL TELECOMS COVER - TL TRAFFIC LIGHT - TLC TRAFFIC LIGHT CONTROL BOX - TP TELECOMS POST - UC UNKNOWN COVER - VB WASTE BIN - WD WASH DUT - WM WATER METER - WV WATER VALVE	- FENCE MATERIAL TYPES :- - BN BARBED WIRE - CB CLOSED BOARD - CL CHAIN LINK - CP CONCRETE PANELED - DI DIAPHRAGM - HR HAND RAIL - HL HEIGHT - OR OPEN ROOFED - PA PALING - PC POST & CHAIN - PR POST & RAIL - SB SAFETY BARRIER - SF SECURITY FENCE - TL TRAIL - WM WIRE MESH
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UTILITY LEGEND :-

- CATV CABLE - CATV DUCT - ELECTRIC CABLE - ELECTRIC CABLE DUCT - ELECTRIC CABLE (A/D) - GA3 - SEWER COMBINED WATER - SEWER (FOUL WATER) - SEWER (SURFACE WATER) - TELECOMS CABLE - TELECOMS DUCT - UNKNOWN DETECTION - UNKNOWN DUCT - WATER MAIN	(R) TAKEN FROM RECORDS - TLS TRAFFIC LIGHT SENSOR - EDT - END OF TRACE - LTT - UNABLE TO TRACE - EUD - EMPTY UTILITY DUCT - BACKGROUND MAP - VISIBLE TRENCH LINE - CHAMBER EXTENTS - HEATING PIPES - FUEL LINES
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CAUTION:

ADEN ARE CERTIFIED UNDER ISO 9001:2000 FOR THE PROVISION OF UTILITY DETECTION & MAPPING SERVICES AND HAVE ENGAGED TO SUPPLY THE HIGHEST ACCURACY OF DATA POSSIBLE USING THE LATEST AVAILABLE TECHNOLOGY. THE APPLICATION OF THE MOST RELIABLE DETECTION METHODS AVAILABLE AT THE TIME OF THE SURVEY. ALL MEASUREMENTS ARE TAKEN FROM THE SURFACE AND WHILE BEST PRACTICE IS FOLLOWED, THERE MAY BE SERVICES PRESENT THAT ARE NOT DETECTED BY THE METHODS USED. ADEN DOES NOT ACCEPT LIABILITY FOR ANY DAMAGE OR INJURY TO PERSONS OR PROPERTY ARISING FROM THE USE OF THE DATA PROVIDED. IN CERTAIN CASES THE ERROR MAY BE IN THE ORDER OF 20% OF THE VALUE STATED. THEREFORE DO NOT RELY ON THE DATA FOR ANYTHING OTHER THAN A GUIDE TO THE LOCATION OF SERVICES. YOU ARE ADVISED TO OBTAIN A SECOND OPINION FROM ANOTHER SURVEYOR IF YOU ARE IN DOUBT. YOU ARE ADVISED TO OBTAIN A SECOND OPINION FROM ANOTHER SURVEYOR IF YOU ARE IN DOUBT. YOU ARE ADVISED TO OBTAIN A SECOND OPINION FROM ANOTHER SURVEYOR IF YOU ARE IN DOUBT.

- Service located by Electro Magnetic Detection e.g. Metallic pipes & cables
- Service located by Electro Magnetic Detection using a sonde e.g. Drainage
- Service located by Ground Penetrating Radar e.g. Plastic pipes or services which could not be detected using other methods

ORIGINAL SIZE: A0 - DO NOT SCALE !

A	08/03/10	FIRST ISSUE	MPE
DATE	REVISIONS	Signed	

CLIENT : JACOBS / EA

PROJECT : UTILITY SURVEY & FULL TOPOGRAPHICAL SURVEY DOLGELLAU AFON WNION WALES

SURVEYOR : APR/CRO/RBR	DRAWN : RBR	APPROVED :
DIGITAL FILE : 5674-0310-01A.DWG	ORIGINAL SIZE: A0	SCALE : 1:200
		SHEET: 5 of 5

DRAWING No: 5674-0310-01/05 REV: A

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A FLEXIBLE APPROACH TO UTILITY DETECTION AND MAPPING SERVICES

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