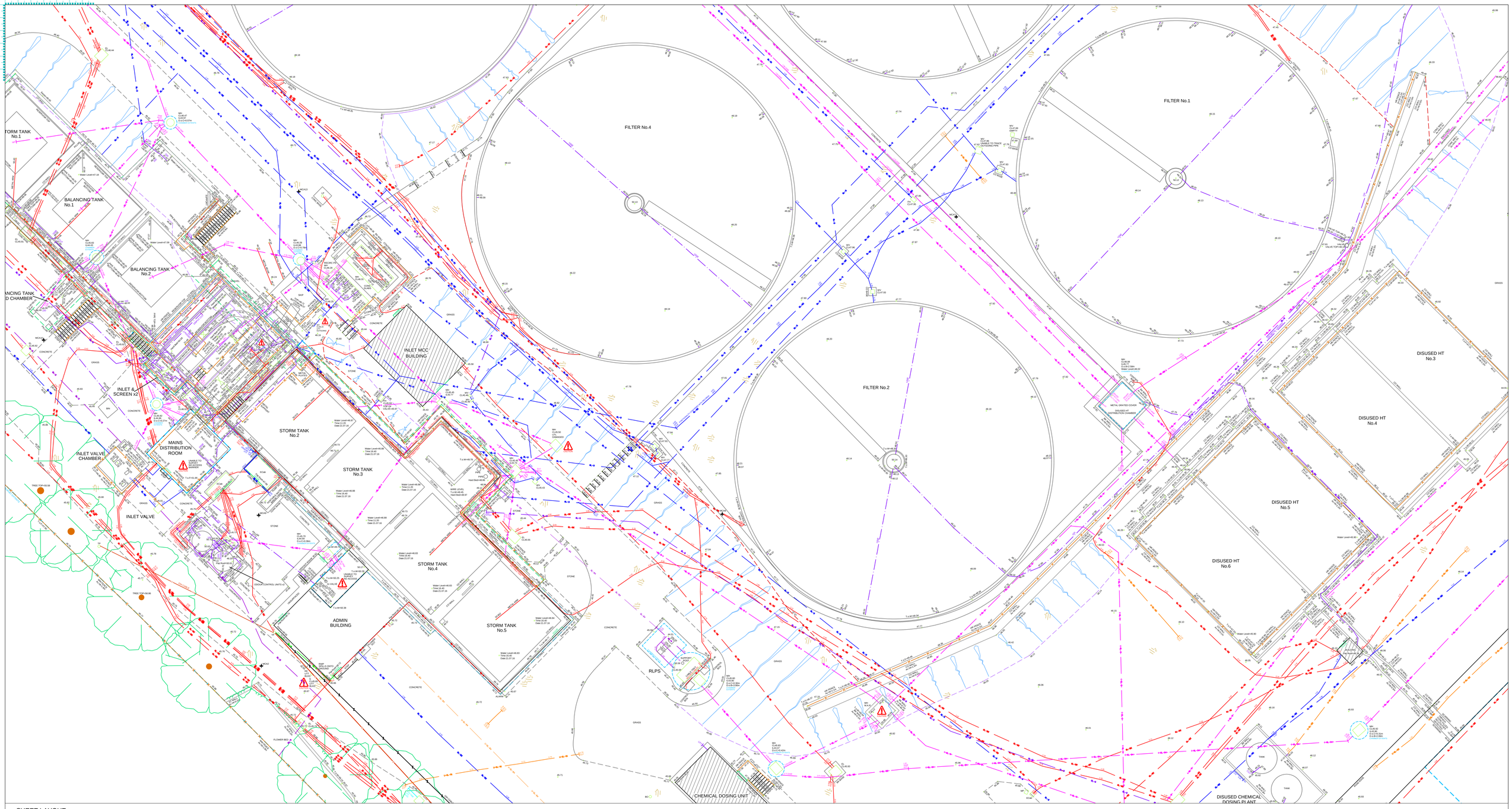
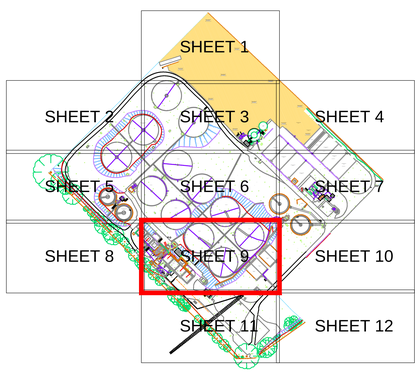


SHEET LAYOUT :-



NOTE

QUALITY LEVEL (QL-A) IS ATTRIBUTED TO POINTS WHERE DIRECT PHYSICAL MEASUREMENT HAS BEEN MADE FOR EXAMPLE AT INSPECTIONS COVERS/TRIAL HOLES

N

ABBREVIATIONS :-

AV	AIR VALVE	G	GULLY	S.O.R	START OF RUN
AG	ABOVE GROUND	GP	GATE POST	RET	RETAINING (WALL)
BD	BACK DROP	GV	GAS VALVE	SP(L)	SING POST (LIT)
BG	BACK INLET GULLY	GRS	GRASS	SB	SAFETY BARRIER (FENCE)
BK	BRICK	HC	HEATING COVER	SF	SECURETY FENCE (FENCE)
BLK	BLOCK	HR	HAND RAIL (FENCE)	SPCam	SPEED CAMERA
BO(L)	BOLLARD (LIT)	IC	INSPECTION COVER	ST	STONE
BPAV	BLOCK PAVING	IL	INVERT LEVEL	SV	STOP VALVE
BS	BUS STOP SIGN	IR	IRON RAILING (FENCE)	SVP	SOIL VENT PIPE
BW	BARBED WIRE (FENCE)	KO	KERB OUTLET	TBox	TELEPHONE CALL BOX
CA	CATV COVER	LP	LAMP POST	TCab	TELECOMS CABINET
CB	CLOSED BOARDED (FENCE)	MH	MANHOLE	TDCam	TRAFIC DENSITY CAMERA
CCTV	CCTV CAMERA	MP	MARKER POST	TEL	TELECOMS COVER
CO	CONCRETE	M.A.R	MAN ACCESS REQUIRED	TL	TRAFIC LIGHTS
CP	CONCRETE PANEL (FENCE)	NFI	NO FURTHER INFORMATION	TLC	TRAFIC LIGHT CONTROL BOX
CL	COVER LEVEL	NVP	NO VISIBLE PIPE	TLS	TRAFIC LIGHT SENSOR
CLK	CHAIN LINK (FENCE)	OB	OPEN BOARDED (FENCE)	TP	TARPAULIN
CrEBin	DOG FOOD BIN	OG	OUTFALL	T.o.W	TOP OF WALL LEVEL
(D)	DILAPIDATED (FENCE)	PAV	PAVING	T.o.F	TOP OF FENCE LVL
DK	DROP KERB	PC	POST & CHAIN (FENCE)	TP	TELECOM POST
D.o.C	DEPTH OF COVER	PB	PEDESTRIAN BEACON	TPAV	TACTILE PAVING
D.o.B	DEPTH OF BASE	PBox	POST BOX	TR	TRELLIS (FENCE)
D.o.T	DEPTH OF TOP	PM	PARKING METER	UTL	UNABLE TO LIFT
ECab	ELECTRIC CABINET	PO	POST	UC	UNKNOWN COVER
EL	ELECTRIC COVER	PR	POST & RAIL (FENCE)	WB	WASTE BIN
EP	ELECTRIC POST	PW	POST & WIRE (FENCE)	WM	WATER METER
ER	EARTH ROD	RE	RODDING EYE	WM	WIRE MESH (FENCE)
E.T	EARTH TAPE	RWP	RAIN WATER PIPE	WO	WASH OUT
FFL	FINISHED FLOOR LEVEL	SB	SAFETY BARRIER (FENCE)	WV	WATER VALVE
FH	FIRE HYDRANT			(R)	TAKEN FROM RECORDS

UTILITY QUALITY LEVEL VERIFICATION LEGEND (PAS 128:2014) :-

QL-A	Horizontal and vertical location of the top and/or bottom of the utility where direct physical measurement has been made for example at inspections covers/trial holes.
QL-B1	Horizontal and vertical location of the utility detected by multiple geophysical techniques used.
QL-B2	Horizontal and vertical location of the utility detected by one of the geophysical techniques used.
QL-B3	Horizontal location only of the utility detected by one of the geophysical techniques used.
QL-B4	A utility segment which is suspected to exist but has not been detected and is therefore shown as an assumed route.
QL-C	A segment of utility whose location is demonstrated by visual reference to street furniture, topographical features or evidence of previous street works (reinstatement scar).
QL-D	RECORDS.

TOPOGRAPHICAL LEGEND :-

BANK BOTTOM
BANK TOP
BOUNDARY
BUILDING
OUT BUILDING
OH BUILDING CANOPY
CANOPY (VEGETATION)
HEDGE
DITCH BOTTOM
DITCH TOP
DRAINAGE CHANNEL
HARDHARD SURFACE CHANGE
HARDSOFT SURFACE CHANGE
GATE
PYLON
CABLE STAY
TREE
BUSH
TRIAL PIT
BOREHOLE
SOFTSOFT SURFACE CHANGE
KERB
KERB (DROP)
ROAD EDGE
FENCE
WALL
STEPS
RAILWAY LINE
OH ELECTRIC
OH TELECOMS
SURVEY EXTENTS
X-SECTION
SURVEY STATION
HACHURE

PAS128 UTILITY LEGEND :-

CATV CABLE
CATV DUCT
TELECOMS CABLE
TELECOMS DUCT
ELECTRIC CABLE
ELECTRIC CABLE DUCT
EARTH TAPE
UNKNOWN DETECTION
UNKNOWN DUCT
GAS
WATER MAIN
RISING MAIN
SEWER (COMBINED WATER)
SEWER (FOUL WATER)
SEWER (SURFACE WATER)
HEATING PIPES
FUEL LINES
PIPELINE
VISIBLE TRENCH LINE
CHAMBER EXTENTS
OVERLAY MAP
GPR ANOMALY
VOID LOCATED WITH GPR
UTT - UNABLE TO TRACE
UTS - UNABLE TO SONDE
EOT - END OF TRACE
EOS - END OF SONDE
EUD - EMPTY UTILITY DUCT
UNABLE TO RAISE COVER OR SURVEY FULLY. ADDITIONAL RUNS / UTILITIES MAY BE PRESENT

NOTES :-

1. Surveyed April 2016.
2. Survey related to Ordnance Survey National Grid (OSTN02).
3. Levels related to orthometric heights taken from GPS readings.
4. Values on utility strings show depth below ground.
5. One point localisation at station MCA1, Scale Factor = 1.000000000
6. Read in conjunction with all existing records made available.
7. Some utilities / routes are shown beyond and outside of survey extents for clarity purposes, and should not be considered void of other services / utilities that have not been surveyed in these locations.
8. The GPR anomalies should be treated with caution and there is no guarantee that anything actually exists, only a possibility that something may be there.

CAUTION:

ADIEN ARE CERTIFIED UNDER ISO 9001:2008 FOR THE PROVISION OF UTILITY DETECTION & MAPPING SERVICES AND HAVE ENDEAVOURED TO SUPPLY THE HIGHEST ACCURACY OF DATA POSSIBLE USING ESTABLISHED SYSTEMS, PROCEDURES AND THE APPLICATION OF THE MOST RELIABLE DETECTION & LOCATION TECHNOLOGY AVAILABLE. ALL MEASUREMENTS ARE TAKEN FROM THE SURFACE AND WHILST BEST PRACTICE IS IMPLEMENTED, ERRORS MAY OCCUR IN RELATION TO THE POSITIONS AND DEPTHS GIVEN FOR BURIED PLANT, CHAMBERS, PIPES & CABLES. IN CERTAIN CASES THIS ERROR MAY BE IN EXCESS OF 20% OF THE VALUE STATED. THERE MAY BE SERVICES PRESENT THAT DUE TO THE LIMITATIONS IN CURRENT TECHNOLOGY OR SITE RELATED FACTORS NOT EVIDENT AT THE TIME OF THE SURVEY, COULD NOT BE LOCATED. THEREFORE DO NOT APPEAR ON THIS DRAWING. YOU ARE ADVISED TO ENSURE OBSERVANCE OF SAFE WORK AND BEST PRACTICE WHEN EXCAVATING ON THIS SITE. NO LIABILITY FOR ERRORS, OMISSIONS OR EXCEPTIONS WILL BE ACCEPTED BY ADIEN.

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 !

DATE	REVISIONS	Signed

CLIENT : ADIEN

PROJECT NAME:
UNIT 5, DELTA COURT,
SKY BUSINESS PARK,
ROBIN HOOD AIRPORT, DN9 3GN

PROJECT TYPE:
3D UTILITY SURVEY AND
FULL TOPOGRAPHICAL SURVEY

SURVEYOR :	DRAWN :	APPROVED :
***	***	***

DIGITAL FILE :	ORIGINAL SIZE:	SCALE :	SHEET:
	A0	1:100	1 of 12

DRAWING No: REV:

Adien
A FLEXIBLE APPROACH TO UTILITY DETECTION AND MAPPING SERVICES

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