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Note:
All levels relate to Existing Site Datum.
Orientation to Existing Site Grid.

Survey Control Markers established for Mapping purposes only and should not be used for Construction without the written approval of Survey Operations Ltd.

SURVEY STATIONS

Name	Easting	Northing	Height
PA1	381915.83	385738.33	72.53
PA2	381966.95	385708.97	71.04
PA3	381878.29	386035.34	69.48
PA4	381830.12	385990.99	70.52
BCEG11	381784.29	385756.05	76.65
BCEG12	381882.51	385751.90	73.33
MP1	382156.34	385589.96	71.04
MP2	382202.31	385570.46	71.27
MP3	382239.62	385617.95	70.48
MP4	382261.94	385686.35	70.12
MP5	382259.73	385758.76	70.41
MP6	382202.30	385830.30	69.92
MP7	382149.94	385863.42	69.51
M1	382163.65	385622.66	68.31
M2	382150.11	385649.22	68.51
M3	382154.97	385665.69	68.69
M4	382139.75	385686.80	68.86
M5	382126.35	385710.49	68.77
M6	382112.35	385726.72	68.39
M7	382101.18	385750.43	68.58
M8	382091.59	385762.43	68.58
M9	382084.10	385780.92	67.87
M10	382092.15	385813.12	67.84
M11	382127.17	385825.68	68.97
M12	382090.09	385833.33	67.86
M13	382084.32	385861.13	67.48

Area within bold, dashed line surveyed July 2018 and added to Survey Operations drawing 18A284.

Revision - Date - Description

A - 14/09/18 - Additional survey work added.

STANDARD REFERENCE & ABBREVIATIONS

(AR)..... Assumed Route	IL..... Invert Level
AB..... Air Brick	IP..... Inlet Pipe
AV..... Air Valve	KO..... Kerb Outlet
B/W..... Barbed Wire	LB..... Letter Box
BAR..... Barrier	LP..... Lamp Post
BO..... Bollard Beacon	MH..... Multi Girth
BH..... Borehole	MK..... Manhole
BL..... Bed Level	MKR..... Marker
BOL..... Bollard	MP..... Mooring Point
BS..... Bus Stop	NP..... Street Name Plate
BT Box..... British Telecom Box	O/H..... Overhead
BT..... British Telecom It	O/P..... Open Paling
BRTW..... Brick Retaining Wall	OE..... Overhead Electric Wire
BW..... Brick Wall	OP..... Outfall Pipe
C/B..... Close Boarded	OSBM..... Ordnance Survey Bench Mark
C/I..... Corrugated Iron	OT..... Overhead Telecom Wire
C/P..... Chestnut Paling	P/C..... Post & Chain
CB..... Control Box	P/R..... Post & Rail
CBW..... Concrete Block Wall	P/W..... Post & Wire
CCTV..... Closed Circuit TV	PAV..... Paving
CD..... Cable Duct	PB..... Pillar Box
CEL..... Cellar Light	PC..... Pedestrian Crossing
CHL..... Chain Link	PEP..... Petrol Pump
CHY..... Chimney	PT..... Post or Pillar
CL..... Cover Level	RE..... Rodding Eye
CM..... Cable Marker	RS..... Road Sign
COL..... Column	RTW..... Retaining Wall
CONC..... Concrete	RWP..... Rain Water Pipe
CP..... Catch Pit	SAP..... Sapling
CRTW..... Concrete Retaining Wall	SL..... Sump Level
CTV..... Cable Television	SKL..... Soffit Level
CUL..... Culvert	SP..... Sign Post
CW..... Concrete Block Wall	SPL..... Springing Level
DC..... Drainage Channel	SRTW..... Stone Retaining Wall
DPC..... Damp Proof Course	SV..... Stop Valve (unspecified)
DR..... Drain	SVP..... Soil Vent Pipe
DSW..... Dry Stone Wall	SW..... Stone Wall
ESP..... Electricity Cable Pit	TAC..... Tactile Paving
ESI..... Electricity Inspection Cover	TB..... Traffic Bollard
EJ..... Expansion Joint	TBM..... Temporary Bench Mark
EJB..... Electricity Junction Box	TCB..... Telephone Call Box
EL SUB STN..Electricity Sub Station	TFR..... Token Free Records
EL..... Eaves Level	TIE..... Anchor Point (Waste/Poles)
ELB..... Electricity Box	TL..... Traffic Light
EP..... Electricity Pole	TLB..... Traffic Light Control Box
ER..... Earth Rod	TM..... Ticket Machine
ETL..... Electricity Transmission Line	TMC..... Tarmac
FB..... Flower Bed	TP..... Telecommunications Pole
FH..... Fire Hydrant	TPIT..... Trial Pit
FL..... Floor Level	TS..... Trash Screen
FP..... Flagpole	U/C..... Under Construction
GP..* ..... Earth (of tree)	U/G..... Underground
G..... Gully	UTL..... Unable to Lift (BM,SI etc)
GAB..... Gabion	UTS..... Unable to Survey
GIP..... Gas Inlet Pipe	VDP..... Vehicle Detector Pad
GMKR..... Gas Marker	VP..... Vent Pipe
GOT..... Gas Stop Tap (Domestic)	W/W..... Wire Mesh
GSV..... Gas Stop Valve (Mains)	WL..... Water Level
HSE..... Housing	WM..... Water Meter
HV..... Height	WO..... Wash Out
HV..... High Voltage	WP..... Waste Pipe
I/R..... Iron Railing	WST..... Water Stop Tap (Domestic)
IC..... Inspection Cover	WSV..... Water Stop Valve (mains)

1	2	
3	4	5
6	7	8

Sheet Layout

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Client
ROC Consulting

Drawing Title
Topographical Survey of Land at:
Manchester Airport City North Tree
Manchester
Sheet 5 of 8

Scale(s)	1:200	Surveyor	MP
Date	JUL 18	Drawn	DR
Job Number	18E137	Checked	TP

Sheet Size & Drg Number & Revision
A0 18E137/005 A