Appendix A – Topographical Survey Plan

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N

PLAN GRID NORTH

File Name: S15946-T_2D.dwg

LEGEND

AV	AIR VALVE
BB	BELLMAN BEACON
BH	BOREHOLE
BH	BORE HOLE
BM	BENCH MARK
BO	BOLLARD
BT	BT INSPECTION COVER
CB	CONTROL BOX
CBP	CAR PARK MACHINE POST
CCTV	CCTV
CGW	COMMUNICATIONS COVER
CH	CHIMNEY STACK
CC	CRANAGE CHANNEL
DP	DOWN PIPE
EB	ELECTRIC
EC	ELEC INSPECTION COVER
EL	EAVES LEVEL
ER	EARTH ROD
EB	EARTH BOSS
FH	FIRE HYDRANT POLE
FFL	FINISHED FLOOR LEVEL
FP	FLAG POLE
FP	FUEL POST
G	GULLY
GL	GARAGE LIGHT
GP	GATE POST
GW	GAS TAP
GV	GAS VALVE
IC	INSPECTION COVER
IL	INVERT LEVEL
LP	LAMP POST
LD	LADDER
LP	LAMP DOWN
LT	LAMP TOWN
M	MAST
P/M	PALISADE
R/W	WIRE MESH
P/W	POST AND WIRE
C/F	CLOSE PANEL
P/W	POST AND WIRE
P/R	POST AND RAIL
C/R	RISK RAIL
C/B	CLOSE BOARDED
P/R	POST AND RAIL
RWP	TOP OF FEATURE
SA	SATS
SP	SIGN POST
SW	SOAKAWAY
	BATTER
LBY	LIFEBUOY
MH	MANHOLE
MK	MARKER
MS	MILE STONE
MP	MOORING POST
NP	NOTICE BOARD
NP	NAME PLATE
PB	POST BOX
PB	POST OFFICE BOX
PC	PCC
PP	PETROL PUMP
PT	PIVOT
RE	RANGING EYE
RL	RIDGE LEVEL
RS	ROAD SIGN
RW	RETAINING WALL
RWP	RAINWATER PIPE
SAP	SAPLING
SH	SHRUB
SLV	SOFFIT LEVEL
TB	TELEPHONE BOX
TB	TRAFFIC BOLLARD
TC	TELEPHONE CALL BOX
TE	TIE RODS
TL	TRAFFIC LIGHT
TP	TELEPHONE POLE
TM	TICKET MACHINE
TP	TELEGRAPH POLE
TP	TREE PROTECTION
VP	VENT PIPE
WM	WATER METER
WT	WATER TANK
WT	WATER STOP TAP
WV	WATER VALVE ONLINE
WT	TREE WITH GIRTH
WT	TREE MULTI-GIRTH
	HEDGE
	WATER COURSE
	FENCE
	SURFACE CHANGE
	TOP BANK
	BOTTOM BANK
	BUILDING
	BUILDING LIGNOR
	OVER HEAD ELECTRICAL
	OVER HEAD TELECOM

NOTES:

All levels relate to O.S (Newlyn) Datum, Established using network RTK.
Survey plotted on a plane local grid, orientated to National Grid.
Area with bold dashed line surveyed March 2018 and added to an existing drawing ref. DSLTY107.

SURVEY STATIONS

Name	Easting	Northing	Height
JR1	344042.076	398782.582	45.138
JR2	344048.312	398884.698	45.773
JR3	343767.982	398900.098	42.934
JR4	343747.980	398855.588	41.852
JR5	343744.732	398965.585	41.852
JR6	343750.483	398940.527	41.812
JR7	343744.732	398965.585	41.852
JR8	343788.170	398928.441	42.844
JR9	343831.356	398883.236	44.727
JR10	343792.155	398861.141	42.833
JR99	343762.705	398883.141	42.833
MT1	343713.705	398755.815	41.975
MT2	343744.780	398850.074	42.49
MT3	343819.181	398828.315	42.578
MT4	343744.780	398850.074	42.49
MT5	343788.178	398868.243	43.105
MT6	343773.673	398821.983	41.684
SEPP	343744.780	398850.074	42.49
SEPP	343819.525	398936.370	41.482
SEPB	343707.741	398715.212	41.883

0 2m 4m 8m 12m 16m
SCALE BAR

REV	DATE	DESCRIPTION

SURVEY & ENGINEERING PROJECTS

Client
Hale
198a Providence Square
Jacob Street
London
SE1 2DZ

Project Title
Topographical Survey of Land at:
Acornfield Road
Liverpool
L33

Surveyed	Drawn	Checked
D.Fleming	D.Wright	R.Critchley

Scale	Date	Drawing Ref.	No.	Size	Rev
1:200	Apr 18	S15946-T	01	A0	--

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N

PLAN GRID NORTH

File Name: S15946-T_2D.dwg

LEGEND

AV	AIR VALVE	LBY	LIFEBUOY
BB	BELOW BEACON	MH	MANHOLE
BH	BOREHOLE	MO	MOORING
BW	BOWL HOLE	MS	MILE STONE
BM	BENCH MARK	MP	MOORING POST
BO	BOLLARD	NP	NEWSPAPER STAND
BT	BT INSPECTION COVER	NP	NAME PLATE
CB	CONTROL BOX	PB	POST BOX
CBTV	CONTROL BOX WITH POST	PB	POST OFFICE BOX
COL	COLUMN	PC	PIER
COM	COMMUNICATIONS COVER	PP	PETROL PUMP
CP	CONCRETE POST	PT	PYLON
DC	DRAINAGE CHANNEL	RE	RANGING EYE
DP	DOWN PIPE	RL	RIDGE LEVEL
EB	ELEC BOX	RS	ROAD SIGN
EC	ELEC INSPECTION COVER	RW	RETAINING WALL
EL	EAVES LEVEL	SAP	SAMARITAN PIPE
ELL	ELEC LIGHT	SAP	SAPLING
ER	EARTH ROD	SH	SHRUB
FB	FLOWER BED/VASE	SOF	SOFFIT LEVEL
FFL	FINISHED FLOOR LEVEL	SP	SIGN POST
FH	FIRE HYDRANT	TB	TRAFFIC BOLLARD
FP	FUEL POST	TC	TRAFFIC CALL BOX
G	GULLY	TE	TE WIRE
GL	GROUND LIGHT	TL	TRAFFIC LIGHT
GP	GATE POST	TP	TELEPHONE BOX
GSP	GAS TAP	TM	TICKET MACHINE
GV	GAS VALVE	TP	TELEGRAPH POLE
IC	INSPECTION COVER	UP	UTILITY POLE
IL	INVERT LEVEL	VP	VENT PIPE
LA	LAMP ARM	WM	WATER METER
LAD	LADDER	WO	WASTE OUT
LD	LAMP DOWN	WT	WATER STOP TAP
LP	LAMP POST	WV	WATER VALVE ON LINE
LU	LAMP UP	WW	WATER WELL
		YP	TREE SPOT HEIGHT
PAL	PALISADE		TREE MULTI-SPOT
W/M	WIRE MESH		WATER COURSE
C/F	CHAIN FENCE		KERB
C/W	CLOSE PANEL		FENCE
P/W	POST AND WIRE		SURFACE CHANGE
T/W	TRIP WIRE		TOP
V/R	IRON RAIL		TOP BANK
C/B	CLOSE BOARDED		BOTTOM BANK
T/H	TOP OF HEDGE		CANOPY
TOP	TOP OF FEATURE		BUILDING CANOPY
GATE	GATE		OVER HEAD ELECTRICAL
BH	BOREHOLE		OVER HEAD TELECOM
	BATTER		HEDGE

NOTES:

All levels relate to O.S (Newlyn) Datum, Established using network RTK.
Survey plotted on a plane local grid, orientated to National Grid.
Area with bold dashed line surveyed March 2018 and added to an existing drawing ref. DSLTY027

SURVEY STATIONS

Name	Easting	Northing	Height
A1	344042.076	398782.562	45.138
A2	344048.312	398864.418	45.773
A3	343767.982	398950.098	42.834
A4	343744.882	398945.583	41.852
A5	343744.732	398943.583	41.852
A6	343750.483	398940.527	41.812
A7	343780.665	398939.641	42.844
A8	343785.170	398928.641	42.844
A9	343831.356	398883.236	44.727
A10	343831.356	398883.236	44.727
A98	343762.705	398890.741	42.843
BM1	343713.706	398755.815	41.975
BM2	343754.780	398893.078	42.497
BM3	343754.780	398893.078	42.497
BM4	343819.181	398828.315	42.079
BM5	343768.178	398668.245	43.105
BM6	343768.178	398668.245	43.105
BM7	343773.673	398621.983	41.684
BM8	343773.673	398621.983	41.684
SEP7	343819.525	398556.370	41.482
SEP8	343707.741	398715.212	41.883

0 2m 4m 8m 12m 16m

SCALE BAR

REV	DATE	DESCRIPTION

SURVEY & ENGINEERING PROJECTS

Client
Hale
198a Providence Square
Jacob Street
London
SE1 2DZ

Project Title
Topographical Survey of Land at:
Acornfield Road
Liverpool
L33

Surveyed	Drawn	Checked
D.Fleming	D.Wright	R.Critchley

Scale	Date	Drawing Ref.	No.	Size	Rev
1:200	Apr 18	S15946-T	02	A0	--

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N

PLAN GRID NORTH

File Name: S15946-T-3D.dwg

LEGEND

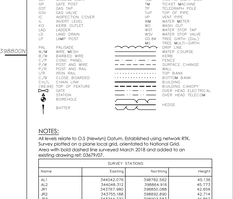
AV	AIR VALVE
BB	BELLMAN BEACON
BH	BOREHOLE
BW	BOMB WALL
BY	BOLLARD
BM	BENCH MARK
CH	CATCH PIT
CI	BT INSPECTION COVER
CB	CONTROL BOX
CCTV	CCTV CAMERA MOUNTED POST
COL	COLUMN
COM	COMMUNICATIONS COVER
CP	CONCRETE POST
CC	CROSSING CHANNEL
DP	DOWN PIPE
DT	DRAIN
EC	ELEC INSPECTION COVER
EL	GAVEL LEVEL
EP	ELECTRIC POLE
ER	EARTH ROD
FH	FIRE HYDRANT COVER
FFL	FINISHED FLOOR LEVEL
FG	FLOOD GULLY
FP	FUEL POST
G	GULLY
GL	GROUND LIGHT
GP	GATE POST
GW	GAS TAP
GV	GAS VALVE
IC	INSPECTION COVER
IL	INVERT LEVEL
KO	KERB OUTLET
LAD	LADDER
LP	LAMP COLUMN
LT	LAMP TAP
MH	MANHOLE
M/W	WIRE MESH
P/W	PALISADE FENCE
C/W	CHAIN LINK FENCE
P/W	POST AND WIRE
R/W	RAIL FENCE
K/W	KICK RAIL
C/B	CLOSE BOARDED
R/W	RAILWAY
TOS	TOP OF FEATURE
TP	TRIAL PIT
TR	TREE
TS	TOPSOIL
BATTER	
LBY	LIFEBUOY
MH	MANHOLE
MP	MOORING POST
MR	MILL STONE
MT	MOORING TURNING
NP	NOTICE POST
NP	NAME PLATE
PC	POST OFFICE
PB	POST OFFICE BOX
PL	PILLAR
PP	PETROL PUMP
PT	PIVOT
RE	RANGING EYE
RL	RIDGE LEVEL
RS	ROAD SIGN
RW	RETAINING WALL
SMP	SWANNATA PIPE
SAP	SAPLING
SP	SIGN POST
SOF	SOFFIT LEVEL
SV	SCAFFOLD POLE
TB	TRAFFIC BOLLARD
TC	TRAFFIC CALL BOX
TE	TE WIRE
TL	TRAFFIC LIGHT
TM	TRAFFIC MAST BOX
TM	TICKET MACHINE
TP	TELEGRAPH POLE
UP	UTILITY POLE
VP	VENT PIPE
WM	WATER METER
WT	WATER TAP
WT	WATER STOP TAP
WV	WATER STOP VALVE
WP	TREE WITH SPREAD
	TREE MULTI-SPRD
RAIL	RAILINGS
WALL	WATER COURSE
	FENCE
	SURFACE CHANGE
	TOP BANK
	BOTTOM BANK
	CANOPY
	BUILDING CANOPY
	OVER HEAD ELECTRICAL
	OVER HEAD TELEFLOW
	HEDGE

NOTES:

All levels relate to O.S (Newlyn) Datum, Established using network RTK.
Survey plotted on a plane local grid, orientated to National Grid.
Area with bold dashed line surveyed March 2018 and added to an existing drawing ref. DSLTY107

SURVEY STATIONS

Name	Easting	Northing	Height
A1	344042.076	398782.502	45.138
A2	344048.312	398884.418	45.773
A3	343767.982	398950.098	42.604
A4	343744.732	398915.583	41.852
A5	343744.732	398965.583	41.852
A6	343750.483	398940.527	41.812
A7	343780.483	398940.527	41.812
A8	343788.115	398928.441	42.844
A9	343831.355	398885.236	44.727
A10	343831.355	398885.236	44.727
A99	343762.705	398965.341	42.843
MT1	343713.705	398755.813	41.975
MT2	343713.705	398855.813	41.975
RP2	343754.780	398850.570	42.491
RP3	343819.181	398828.315	42.579
RP4	343768.178	398868.243	42.100
RP5	343768.178	398868.243	42.100
RP6	343773.673	398621.983	41.684
SEP8	343819.525	398566.570	41.482
SEP7	343819.525	398566.570	41.482
SEP8	343707.741	398715.212	41.883



0 2m 4m 8m 12m 16m
SCALE BAR

REV	DATE	DESCRIPTION

SURVEY & ENGINEERING PROJECTS

Client
Hale
198a Providence Square
Jacob Street
London
SE1 2DZ

Project Title
Topographical Survey of Land at:
Acornfield Road
Liverpool
L33

Surveyed	Drawn	Checked
D.Fleming	D.Wright	R.Critchley

Scale	Date	Drawing Ref.	No.	Size	Rev
1:200	Apr 18	S15946-T	03	A0	--

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N

PLAN GRID NORTH

File Name: S15946-T-2D.dwg

LEGEND

AV	AIR VALVE	LBY	LIFEBUOY
BB	BOLLARD BEACON	MH	MANHOLE
BH	BOREHOLE	MP	MOORING POST
BH	BORE HOLE	MS	MILE STONE
BM	BENCH MARK	MT	MOORING TWIN
BO	BOLLARD	NP	NAVIGATION PILE
BT	BT INSPECTION COVER	NP	NAME PLATE
CB	CONTROL BOX	PB	POST OFFICE BOX
CBTV	CCTV CAMERA MAST/ POST	PL	PILE
COL	COLUMN	PP	PETROL PUMP
COM	COMMUNICATIONS COVER	PT	PYLON
CP	CONCRETE POST	SE	SIGHTING EYE
DC	DRAINAGE CHANNEL	RL	ROAD LEVEL
DP	DOWN PIPE	RS	ROAD SIGN
EB	ELEC BOX	RW	RETAINING WALL
EC	ELEC INSPECTION COVER	RWP	RAINWATER PIPE
EL	EAVES LEVEL	SAP	SAPLING
ES	ELEC SERVICE	SP	SOIL PIPE
ER	EARTH ROD	SPT	SPOT LEVEL
FB	FLOWER BED/ STATUE	ST	STUMP
FFL	FINISHED FLOOR LEVEL	TB	TRAFFIC BOLLARD
FH	FIRE HYDRANT	TC	TRAFFIC CALL BOX
FP	FLAG POLE	TR	TIE ROPE
G	GULLY	TL	TRAFFIC LIGHT
GL	GROUND LIGHT	TP	TELEPHONE BOX
GP	GATE POST	TM	TICKET MACHINE
GSP	GAS TAP	TP	TELEGRAPH POLE
GV	GAS VALVE	TS	TREE STUMP
IC	INSPECTION COVER	VP	VENT PIPE
IL	INVERT LEVEL	WM	WATER METER
LC	LIGHT COLUMN	WL	WELL
LD	LADDER	WT	WATER STOP TAP
LP	LAMP POST	WV	WATER VALVE
		WS	TREE SPREAD DELEAF
		WM	TREE MULTI-CONFER

NOTES:
All levels relate to O.S (Newlyn) Datum, Established using network RTK.
Survey plotted on a plane local grid, orientated to National Grid.
Area with bold dashed line surveyed March 2018 and added to an existing drawing ref. DSLTY107.

SURVEY STATIONS

Name	Easting	Northing	Height
A1	344062.076	398782.562	45.138
A2	344048.312	398854.818	41.773
A3	343767.980	398950.098	42.934
A4	343744.662	398913.588	41.852
A5	343744.662	398943.583	41.852
A6	343750.483	398940.527	41.812
A7	343781.455	398940.527	41.812
A8	343788.170	398928.441	42.844
A9	343831.355	398885.236	44.727
A10	343831.355	398885.236	44.727
A99	343762.705	398866.341	42.823
MT1	343713.705	398755.813	41.975
MT2	343713.705	398755.813	41.975
RP2	343754.780	398850.075	42.491
RP3	343819.181	398828.315	42.076
RP4	343768.178	398868.243	42.100
RP5	343768.178	398868.243	42.100
RP6	343773.673	398821.993	41.684
SEP2	343819.520	398821.993	41.684
SEP7	343819.520	398856.070	41.482
SEP8	343707.741	398715.212	41.883

0 2m 4m 8m 12m 16m
SCALE BAR

REV	DATE	DESCRIPTION

SURVEY & ENGINEERING PROJECTS

Client
Hale
198a Providence Square
Jacob Street
London
SE1 2DZ

Project Title
Topographical Survey of Land at:
Acornfield Road
Liverpool
L33

Surveyed	Drawn	Checked
D.Fleming	D.Wright	R.Critchley

Scale	Date	Drawing Ref.	No.	Size	Rev
1:200	Apr 18	S15946-T	04	A0	--

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N

PLAN GRID NORTH

File Name: S15946-T_2D.dwg

LEGEND

AV	AIR VALVE	LBY	LITTERBUOY
BB	BELLMAN BEACON	MH	MANHOLE
BH	BOREHOLE	MK	MARKER
BW	BOMB VALVE	MS	MILE STONE
CB	CATCHPIT	MV	MOORING VALVE
DM	DEMOUNTABLE	NP	NEWSPAPER STALL
EO	EXT. INSPECTION COVER	NT	NAME PLATE
GB	GRAVITY BOX	PB	POST BOX
GC	CONTROL BOX	PB	POST OFFICE BOX
GP	GUARD POST WITH POST	PC	PIER
GTS	TELEMETRY	PP	PETROL PUMP
GW	COMMUNICATIONS COVER	PT	PILOT
HC	HANDRAIL CHANNEL	RE	RAILWAY SIGNAL
HC	HANDRAIL CHANNEL	RL	RIDGE LEVEL
DP	DOWN PIPE	RS	ROAD SIGN
IC	INLET	RW	RETAINING WALL
IEO	FLOO INSPECTION COVER	SMP	SEAMASTER PIPE
EL	EAVES LEVEL	SAP	SAPLING
FB	FLOWER BED	SP	SPOT LEVEL
EB	EARTH BOND	SW	SOFFIT LEVEL
FG	FINISHED GROUND LEVEL	TB	TRAFFIC BOLLARD
FFL	FINISHED FLOOR LEVEL	TB	TRAFFIC BOLLARD
FH	FIRE HYDRANT	TC	TELEPHONE CALL BOX
FP	FUEL POST	TE	TE WIRE
G	GULLY	TL	TRAFFIC LIGHT
GL	GROUND LIGHT	TP	TELEPHONE POLE
GP	GATE POST	TM	TOILET MACHINE
GW	GAS TAP	TP	TELEGRAPH POLE
HP	HAND RAIL	UP	UTILITY POLE
IC	INSPECTION COVER	VP	VENT PIPE
IL	INVERT LEVEL	WM	WATER METER
LB	LAMP BRACKET	WP	WIRE POST
LD	LADDER	WT	WATER STOP TAP
LP	LAMP POST	WT	WATER TANK ON STILTS
LT	LAMP TOWER	WW	TREE WITH WIRE GUARD
		WW	TREE WITH GUARD
PAL	PALISADE		
R/W	WIRE MESH		
C/W	CHAIN LINK		
C/W	CHAIN FABRIC		
P/W	POST AND WIRE		
W/R	WIRE RAIL		
R/R	RISK RAIL		
C/B	CLOSE BOARDED		
T/B	TIMBER		
TOP	TOP OF FEATURE		
GATE	GATE		
BOL	BOLLARD		
SHR	SHORELINE		
	BATTER		

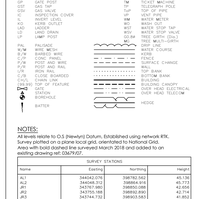
	KERB
	WATER COURSE
	FENCE
	SURFACE CHANGE
	TOP BANK
	BOTTOM BANK
	BUILDING
	BUILDING CANOPY
	OVER HEAD ELECTRICAL
	OVER HEAD TELECOM
	HEDGE

NOTES:

All levels relate to O.S (Newlyn) Datum, Established using network RTK.
Survey plotted on a plane local grid, orientated to National Grid.
Area with bold dashed line surveyed March 2018 and added to an existing drawing ref. DSLTY07.

SURVEY STATIONS

Name	Easting	Northing	Height
A1	344042.076	398782.592	45.138
A2	344048.312	398864.698	45.773
A3	343767.982	398950.098	42.606
A4	343744.980	398913.588	42.414
A5	343744.1	398903.583	41.852
A6	343750.483	398940.527	41.812
A7	343760.443	398965.241	41.844
A8	343788.170	398928.681	42.844
A9	343831.355	398883.236	44.727
A10	343797.104	398861.1	42.833
A99	343762.705	398856.741	42.833
MT1	343713.705	398755.813	41.975
MT2	343734.781	398803.075	42.49
MT3	343734.780	398850.075	42.491
MT4	343819.181	398828.315	42.578
MT5	343768.178	398868.243	42.103
MT6	343768.178	398868.243	42.103
MT7	343773.673	398821.993	41.684
MT8	343773.673	398821.993	41.684
SEP7	343819.501	398766.070	41.482
SEP8	343707.741	398713.212	41.883



0 2m 4m 8m 12m 16m
SCALE BAR

REV	DATE	DESCRIPTION

SURVEY & ENGINEERING PROJECTS

Client
Hale
198a Providence Square
Jacob Street
London
SE1 2DZ

Project Title
Topographical Survey of Land at:
Acornfield Road
Liverpool
L33

Surveyed	Drawn	Checked
D.Fleming	D.Wright	R.Critchley

Scale	Date	Drawing Ref.	No.	Size	Rev
1:200	Apr 18	S15946-T	05	A0	--

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N

PLAN GRID NORTH

File Name: S15946-T-2D.dwg

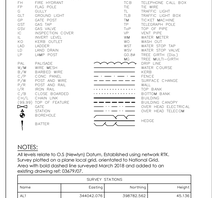
LEGEND

AV	AIR VALVE	LBY	LIFEBUOY
BB	BELISHA BEACON	MH	MANHOLE
BH	BOREHOLE	MP	MARKER POST
BH	BORE HOLE	MS	MILD STONE
BM	BENCH MARK	MV	MOORING POST
BT	BT MANHOLE	NTL	NOT TO LEVEL
BTI	BT INSPECTION COVER	OP	OVERHEAD PIPE
CB	CAPSTAN BOLT	PB	POST BOX
CB	CONTROL BOX	PO	POST OFFICE BOX
CBP	CONCRETE BOLLARD POST	PP	POWER POLE
CCTV	CCTV	PUMP	PETROL PUMP
COM	COMMUNICATIONS COVER	RT	RODDING EYE
CP	CONCRETE POST	RE	RODDING EYE
CC	CROSSING CHANNEL	RL	RIDGE LEVEL
DP	DOWN PIPE	RS	ROAD SIGN
DP	DRAIN PIPE	RW	RETAINING WALL
EC	ELEC INSPECTION COVER	SAP	SAMARITAN PIPE
EL	EAVES LEVEL	SAP	SAPLING
EM	ELEC METER	SC	SHRUB
ER	EARTH ROD	SL	SOFFIT LEVEL
FC	FLOOR CHANGE	SP	SIGN POST
FFL	FINISHED FLOOR LEVEL	TB	TRAFFIC BOLLARD
FH	FIRE HYDRANT	TC	TRAFFIC CALL BOX
FP	FUEL POST	TE	TE MHD
GL	GULLY	TL	TRAFFIC LIGHT
GL	GROUND LIGHT	TP	TELEPHONE POST BOX
GP	GATE POST	TM	TICKET MACHINE
GW	GAS TAP	TP	TELEGRAPH POLE
GV	GAS VALVE	UP	UTILITY POLE
IC	INSPECTION COVER	VP	VENT PIPE
IL	INVERT LEVEL	WM	WATER METER
LP	LAMP POST	WP	WOOD POST
LR	LADDER	WT	WATER STOP TAP
LT	LIGHT TOWER	WV	WATER VALVE
LP	LAMP POST	WW	TREE WITH WOOD
		WW	TREE MULTI-GIRTH
PAL	PALISADE		TREE LINE
R/W	WIRE MESH		WATER COURSE
C/W	CHAIN LINK		FENCE
C/W	CLOSE TIMBER		FENCE
P/W	POST AND WIRE		SURFACE CHANGE
P/R	POST AND RAIL		KERB
S/W	IRON RAIL		TOP /BANK
C/B	CLOSE BOARDED		BOTTOM /BANK
T/H	TRIM HEDGE		BUILDING
TOP	TOP OF FEATURE		BUILDING CANOPY
GATE	GATE		OVER HEAD ELECTRICAL
SHED	SHED		OVER HEAD TELECOM
	BATTER		HEDGE

NOTES:

All levels relate to O.S (Newlyn) Datum, Established using network RTK.
Survey plotted on a plane local grid, orientated to National Grid.
Area with bold dashed line surveyed March 2018 and added to an existing drawing ref. DSLTY027

SURVEY STATIONS			
Name	Easting	Northing	Height
A1	344042.076	398782.562	45.126
A2	344048.312	398864.698	45.773
A1	343767.982	398950.098	42.606
A2	343761.746	398867.962	41.959
A3	343744.732	398563.585	41.852
A4	343750.483	398540.527	41.812
A5	343760.483	398515.527	41.812
A6	343788.115	398526.641	42.844
A7	343831.355	398683.236	44.727
A8	343797.155	398811.141	45.126
A9	343762.105	398950.141	42.843
MT1	343713.705	398755.815	41.975
MT2	343734.780	398755.075	42.497
RP2	343734.780	398850.075	42.497
RP3	343819.051	398828.315	42.079
RP4	343788.178	398668.243	42.520
RP5	343788.178	398568.243	42.520
RP6	343773.673	398621.993	41.684
SEP3	343773.673	398621.993	41.684
SEP7	343819.525	398566.075	41.482
SEP8	343707.741	398715.012	41.883



0 2m 4m 8m 12m 16m

SCALE BAR

REV	DATE	DESCRIPTION

SURVEY & ENGINEERING PROJECTS

Client
Hale
198a Providence Square
Jacob Street
London
SE1 2DZ

Project Title
Topographical Survey of Land at:
Acornfield Road
Liverpool
L33

Surveyed	Drawn	Checked
D.Fleming	D.Wright	R.Critchley

Scale	Date	Drawing Ref.	No.	Size	Rev
1:200	Apr 18	S15946-T	06	A0	--

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N

PLAN GRID NORTH

File Name: S15946-T-2D.dwg

LEGEND

AV	AIR VALVE	LBY	LITTERBUOY
BB	BELLMAN BEACON	MH	MANHOLE
BH	BOREHOLE	MP	MARKER POST
BH	BORE HOLE	MS	MILL STONE
BM	BENCH MARK	MT	MOORING TIE
BT	BT MANHOLE	NTL	NATIONAL TRUST, WALL
BT	BT INSPECTION COVER	NW	NAME PLATE
CB	CONTROL BOX	PB	POST BOX
CBTV	CCTV CAMERA MAST/ POST	PB	POST OFFICE BOX
CL	CLEAR	PO	PETROL PUMP
COM	COMMUNICATIONS COVER	PT	PIVOT
CP	CONCRETE POST	RE	RODDING EYE
DC	DRAINAGE CHANNEL	RL	RIDGE LEVEL
DP	DOWN PIPE	RS	ROAD SIGN
EB	ELEC BOX	RW	RETAINING WALL
EC	ELEC INSPECTION COVER	SAP	SAMARITAN PIPES
EL	EAVES LEVEL	SAP	SAPLING
ES	ELEC SERVICE	SC	SHRUB
ER	EARTH ROD	SIP	SOFFIT LEVEL
FB	FLOWER BED/ STATE	SP	SIGN POST
FFL	FINISHED FLOOR LEVEL	TB	TRAFFIC BOLLARD
FH	FIRE HYDRANT	TC	TRAFFIC CONTROL CALL BOX
FP	FUEL POST	TE	TIE WIRE
G	GULLY	TL	TRAFFIC LIGHT
GAP	GAS VALVE/ LIGHT	TP	TELEPHONE POLE/ BOX
GP	GATE POST	TM	TO MET MACHINE
GSP	GAS TAP	TP	TELEGRAPH POLE
GV	GAS VALVE	UP	UTILITY POINT
IC	INSPECTION COVER	VP	VIEW POINT
IL	INVERT LEVEL	WM	WATER METER
LB	LETTER BOX	WP	WOOD POST
LD	LADDER	WT	WATER STOP TAP
LP	LAMP STANDARD	WV	WATER VALVE/ SHAFT
LP	LAMP POST	YB	YARD BOLLARD
		YP	YARD POST/ SIGN
PAL	PALISADE		TREE MULTI-TRUNK
W/M	WIRE MESH		TREE SINGLE
C/W	CHAIN LINK FENCE		WATER COURSE
C/W	CLOSE PANEL FENCE		FENCE
P/W	POST AND WIRE		SURFACE CHANGE
W/R	POST AND RAIL		TOP BANK
C/B	CLOSE BOARDED		BOTTOM BANK
TOP	TOP OF BANK		BUILDING
TOP	TOP OF FEATURE		BUILDING CANOPY
GATE	GATE		OVER HEAD ELECTRICAL
SHED	SHED		OVER HEAD TELECOM
	BOREHOLE		
	BATTER		HEDGE

NOTES:
All levels relate to O.S (Newlyn) Datum, Established using network RTK.
Survey plotted on a plane local grid, orientated to National Grid.
Area with bold dashed line surveyed March 2018 and added to an existing survey ref. DSLTY107

SURVEY STATIONS

Name	Easting	Northing	Height
A1	344042.076	398782.582	45.138
A2	344048.302	398864.698	45.773
A3	343767.980	398950.098	42.604
A4	343744.882	398913.588	42.852
A5	343744.732	398903.583	41.852
A6	343750.483	398940.527	41.812
A7	343781.665	398926.641	42.844
A8	343781.115	398926.641	42.844
A9	343831.355	398883.236	44.727
A10	343831.355	398883.236	44.727
A99	343782.105	398886.141	42.853
M1	343713.705	398755.813	41.975
M2	343713.705	398755.813	41.975
M3	343724.780	398850.075	42.491
M4	343819.051	398828.315	42.079
M5	343819.051	398828.315	42.079
M6	343768.178	398868.243	43.100
M7	343773.673	398621.903	41.684
M8	343773.673	398621.903	41.684
SEP7	343819.525	398566.070	41.482
SEP8	343707.741	398715.212	41.883

0 2m 4m 8m 12m 16m
SCALE BAR

REV	DATE	DESCRIPTION

SURVEY & ENGINEERING PROJECTS

Client
Hale
198a Providence Square
Jacob Street
London
SE1 2DZ

Project Title
Topographical Survey of Land at:
Acornfield Road
Liverpool
L33

Surveyed	Drawn	Checked
D.Fleming	D.Wright	R.Critchley

Scale	Date	Drawing Ref.	No.	Size	Rev
1:200	Apr 18	S15946-T	07	A0	--

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N

PLAN GRID NORTH

File Name: S15946-T_2D.dwg

LEGEND

AV	AIR VALVE	LBY	LIFEBUOY
BB	BRUSHA BEACON	MH	MANHOLE
BOL	BOLLARD	MKR	MARKER
BH	BOREHOLE	MS	MARK STONE
BIN	BIN	MP	MOORING POINT
BM	BENCH MARK	MW	MONITORING WELL
BS	BUS STOP	NP	NUMIC PLATE
BT	BT INSPECTION COVER	OP	OUTFALL PIPE
CB	CONTROL BOX	PB	POST OFFICE BOX
CCTV	CCTV CAMERA POST	PN	PYLON
CH	CATCH	PU	PETROL PUMP
COM	COMMUNICATIONS COVER	PT	PIT
CTV	CABLE TV COVER	RE	RODDING EYE
DC	DRAINAGE CHANNEL	RL	RIDGE LEVEL
DP	DOWN PIPE	RS	ROAD SIGN
DR	DRAIN	RTW	RETAINING WALL
EIC	ELEC INSPECTION COVER	RWP	RAINWATER PIPE
EL	EAVES LEVEL	SAP	SAPLING
ELB	ELECTRIC BOX	SP	SIGN POST
EM	EM MARKER	SSP	SUMP LEVEL
EP	ELECTRICITY POLE	SV	STOP VALVE
FFL	FINISHED FLOOR LEVEL	TB	TRAFFIC BOLLARD
FH	FIRE HYDRANT	TCB	TELEPHONE CALL BOX
FP	FLAG POLE	TIE	TIE WIRE
G	GULLY	TL	TRAFFIC LIGHT
GLT	GROUND LIGHT	TLB	TRAFFIC LIGHT BOX
GP	GUARD POST	TP	TELEGRAPH POLE
GST	GAS TAP	TT	TELEPHONE POLE
GSV	GAS VALVE	ToP	TOP OF PIPE
IC	INSPECTION COVER	VP	VENT PIPE
IL	INVERT LEVEL	WM	WATER METER
KO	KERB OUTLET	WO	WASH OUT
LAD	LADDER	WST	WATER STOP TAP
LD	LAND DRAIN	WSV	WATER STOP VALVE
LP	LAMP POST	GIRTH	TREE GIRTH (Dia.)
		MEASURED GIRTH	TREE GIRTH
PAL	PALISADE		DRIP LINE
W/M	WIRE MESH		WATER COURSE
B/W	BARBED WIRE		KERB
C/P	CONC PANEL		FENCE
P/W	POST AND WIRE		SURFACE CHANGE
P/R	POST AND RAIL		WALL
C/W	CLOSE BOARD		TOP OF BANK
C/B	CLOSE B/BARDED		BOTTOM BANK
CH/L	CHAIN LINK		BUILDING
(99.99)	TOP OF FEATURE		BUILDING CANOPY
	GATE		OVER HEAD ELECTRICAL
	STATION		OVER HEAD TELECOM
	BOREHOLE		
	BATTER		HEDGE

NOTES:

All levels relate to O.S (Newlyn) Datum. Established using network RTK.
Survey plotted on a plane local grid, orientated to National Grid.
Area with bold dashed line surveyed March 2018 and added to an existing drawing ref; 03679/07.

SURVEY STATIONS

Name	Easting	Northing	Height
AL1	344042.076	398782.562	45.136
AL2	344048.312	398864.916	45.773
JR1	343767.980	398850.088	42.656
JR2	343755.188	398892.890	42.714
JR3	343744.732	398903.583	41.852
JR4	343750.483	398940.527	41.812
JR5	343760.941	398932.069	42.783
JR6	343786.115	398926.641	42.844
JR7	343831.355	398883.239	44.727
JR8	343787.544	398873.147	42.754
JR99	343782.705	398850.341	42.693
MP1	343713.700	398753.813	41.675
RP1	343727.764	398841.179	41.761
RP2	343759.780	398850.015	42.491
RP3	343819.161	398826.315	42.679
RP4	343782.972	398752.566	42.384
RP5	343788.176	398686.243	43.100
RP6	343713.873	398621.593	41.684
SEP5	343761.408	398574.351	41.818
SEP7	343679.531	398592.015	41.462
SEP8	343707.741	398713.212	41.883

SHEET LAYOUT

0 2m 4m 8m 12m 16m

SCALE BAR

REV	DATE	DESCRIPTION

SURVEY & ENGINEERING PROJECTS

Client
Hale
198a Providence Square
Jacob Street
London
SE1 2DZ

Project Title
Topographical Survey of Land at:
Acornfield Road
Liverpool
L33

Surveyed	Drawn	Checked
D.Fleming	D.Wright	R.Critchley

Scale	Date	Drawing Ref.	No.	Size	Rev
1:200	Apr 18	S15946-T	08	A1	--