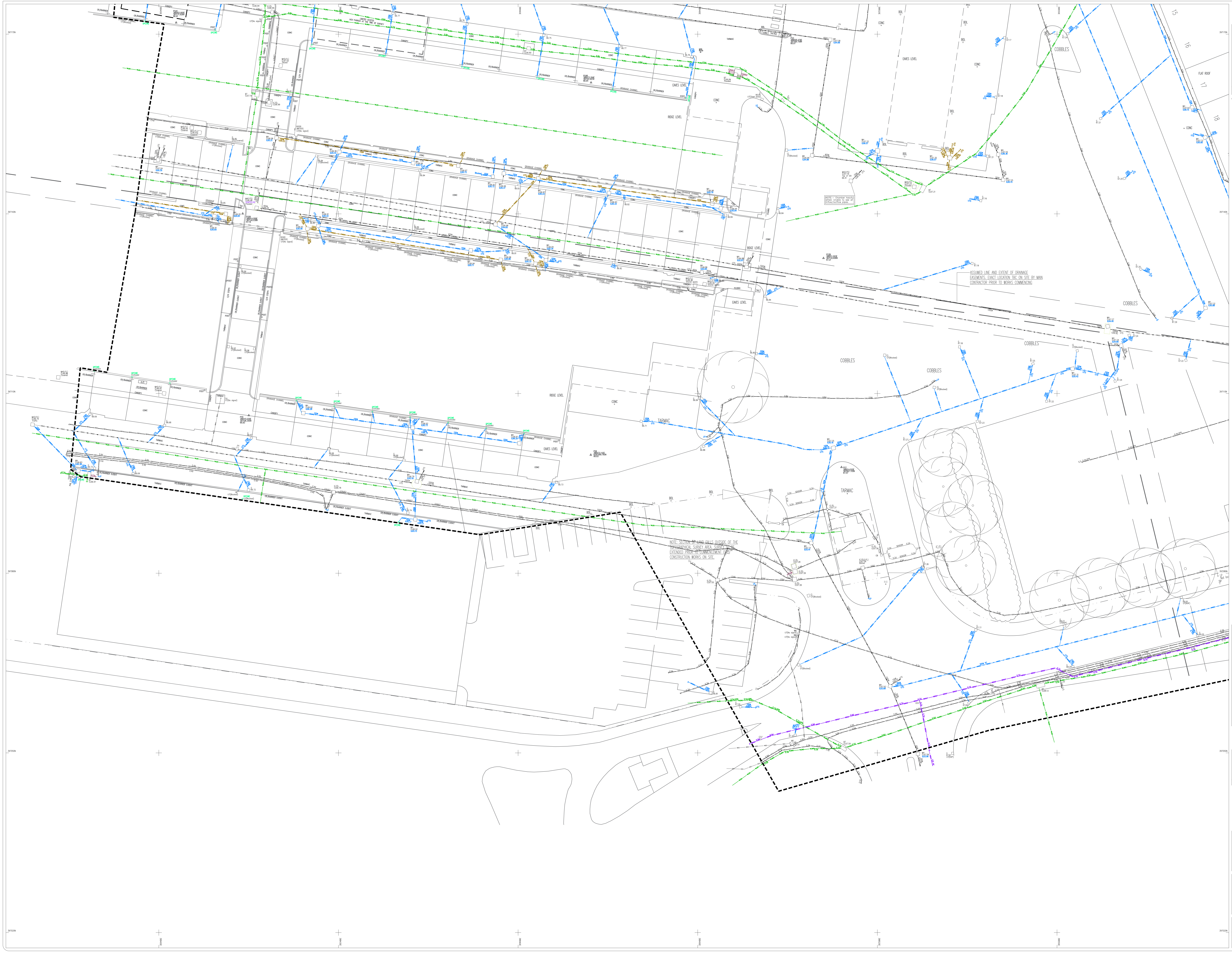
ASSUMED LINE AND EXTENT OF DRAINAGE EASEMENTS. EXACT LOCATION TBC ON SITE BY MAIN CONTRACTOR PRIOR TO WORKS COMMENCING
NOTE: SECTION OF LAND FALLS OUTSIDE OF THE TOPOGRAPHICAL SURVEY AREA. SURVEY TO BE EXTENDED PRIOR TO COMMENCEMENT OF CONSTRUCTION WORKS ON SITE.
COBBLES
TARMAC
CONC
RIDGE LEVEL
EAVES LEVEL
FLAT ROOF
BOL
IC/EL
CL67.05
397170N
397140N
397110N
397080N
397050N
397020N

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N

PLAN GRID NORTH

File Name: 211016 Utility Survey - Smithfield Market.dwg

## TOPOGRAPHICAL LEGEND

| | | | |
|---|---|---|---|
| AV | AIR VALVE | LBY | LIFEBUOY |
| BB | BELISHA BEACON | MH | MANHOLE |
| BOL | BOLLARD | MKR | MARKER |
| BH | BORE HOLE | MS | MILE STONE |
| BIN | BIN | MP | MOORING POINT |
| BM | BENCH MARK | MW | MONITORING WELL |
| BS | BUS STOP | NP | NAME PLATE |
| BT | BT INSPECTION COVER | OP | OUTFALL PIPE |
| CB | CONTROL BOX | PB | POST OFFICE BOX |
| CCTV | CCTV CAMERA POST | PN | PYLON |
| COL | COLUMN | PP | PETROL PUMP |
| COM | COMMUNICATIONS COVER | PT | POST |
| CST | CAR CHARGING STATION | RE | RODDING EYE |
| CTV | CABLE TV COVER | RL | RIDGE LEVEL |
| DC | DRAINAGE CHANNEL | RS | ROAD SIGN |
| DP | DOWN PIPE | RTW | RETAINING WALL |
| DR | DRAIN | RWP | RAINWATER PIPE |
| EIC | ELEC INSPECTION COVER | SAP | SAPLING |
| EL | EAVES LEVEL | SP | SIGN POST |
| ELB | ELECTRIC BOX | SOF | SOFFIT LEVEL |
| ER | EARTH ROD | SV | STOP VALVE |
| EP | ELECTRICITY POLE | TB | TRAFFIC BOLLARD |
| FL | FINISHED FLOOR LEVEL | TCB | TELEPHONE CALL BOX |
| FH | FIRE HYDRANT | TIE | TIE WIRE |
| FP | FLAG POLE | TL | TRAFFIC LIGHT |
| G | GULLY | TLB | TRAFFIC LIGHT BOX |
| GLT | GROUND LIGHT | TM | TICKET MACHINE |
| GP | GATE POST | TP | TELEGRAPH POLE |
| GST | GAS TAP | VP | VENT PIPE |
| GSV | GAS VALVE | WM | WATER METER |
| IC | INSPECTION COVER | WO | WASH OUT |
| IL | INVERT LEVEL | WST | WATER STOP TAP |
| KO | KERB OUTLET | WSV | WATER STOP VALVE |
| LAD | LADDER | G0.8ø | TREE GIRTH (Dia.) |
| LD | LAND DRAIN | MG | TREE MULTI-GIRTH |
| LP | LAMP POST | | |

| | |
|---|---|
| PAL | PALISADE |
| W/M | WIRE MESH |
| B/W | BARBED WIRE |
| C/P | CONC PANEL |
| P/W | POST AND WIRE |
| P/R | POST AND RAIL |
| THL | THRESHOLD LEVEL |
| C/B | CLOSE BOARDED |
| SOF/C | SOFFIT CANOPY LEVEL |
| 99.99HT | TOP OF FEATURE |
| ⋈ | GATE |
| △ | STATION |
| ⊕ | BOREHOLE |
| △ | MONITORING WELL |

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

## PAS128 LEGEND

| | |
|---|---|
| AV | AIR VALVE |
| BT | BT INSPECTION COVER |
| CB | CONTROL BOX |
| CCTV | CCTV CAMERA POST |
| COM | COMMUNICATIONS COVER |
| CTV | CABLE TV COVER |
| DC | DRAINAGE CHANNEL |
| DP | DOWN PIPE |
| DR | DRAIN |
| EIC | ELEC INSPECTION COVER |
| ELB | ELECTRIC BOX |
| ER | EARTH ROD |
| EP | ELECTRICITY POLE |
| FFL | FINISHED FLOOR LEVEL |
| FH | FIRE HYDRANT |
| G | GULLY |
| GLT | GROUND LIGHT |
| GST | GAS TAP |
| GSV | GAS VALVE |
| IC | INSPECTION COVER |
| IL | INVERT LEVEL |
| KO | KERB OUTLET |
| LP | LAMP POST |
| MH | MANHOLE |
| MKR | MARKER |
| OP | OUTFALL PIPE |
| PN | PYLON |
| PP | PETROL PUMP |
| RE | RODDING EYE |
| RWP | RAINWATER PIPE |
| SOF | SOFFIT LEVEL |
| SV | STOP VALVE |
| TCB | TELEPHONE CALL BOX |
| TL | TRAFFIC LIGHT |
| TLB | TRAFFIC LIGHT BOX |
| TP | TELEGRAPH POLE |
| WM | WATER METER |
| WO | WATER OUTLET |
| WST | WATER STOP TAP |
| WSV | WATER STOP VALVE |
| EOT | END OF TRACE |
| OSA | OUT OF SURVEY AREA |
| UTL | UNABLE TO LIFT |
| UTS | UNABLE TO SONDE |
| UTT | UNABLE TO TRACE |
| S/L | SIGNAL LOST |
| BLK | BLOCKED |
| NFH | NO FURTHER GPR CONTACTS |
| BD | BACKDROP PIPE |
| NVP | NO VISIBLE PIPE |
| CR | CABLE RISER |
| SL | SUMP LEVEL |
| TT | TOP OF TANK LEVEL |
| ⊔ | EOT SYMBOL |

| | |
|---|---|
| BT | TEL(A) |
| CABLE DUCT | ED(A) |
| FUEL VENT | V(B2) |
| FUEL GAUGE | GU(D) |
| TELECOMS | COM(A) |
| EARTH CABLES | EA(A) |
| ELECTRIC | E(A) |
| LPG | LPG(D) |
| FUEL LINE | F(A) |
| OFFSET FILL PIPES | O(D) |
| MAINS GAS | G(A) |
| MAINS WATER | W(A) |
| WATER ABANDONED | W(D)A |
| SEWER CW | CWS(A) |
| SEWER FW | FWS(A) |
| SEWER SW | SWS(A) |
| VAPOUR RECOVERY | VR(D) |
| UNIDENTIFED TRACE | U(A) |
| UNIDENTIFIED CABLE | UC-A |
| UNIDENTIFIED PIPE | UP-A |
| GTT FIBRE OPTIC | GTT(D) |
| SURVEY BOUNDARY | |

## QUALITY LEVEL

A – Verification
B1 – Horizontal/Vertical location using multiple techniques
B2 – Horizontal/Vertical location using a single technique
B3 – Horizontal location using a single technique
B4 – Assumed route
C – Site Reconnaissance
D – Desktop utility records search

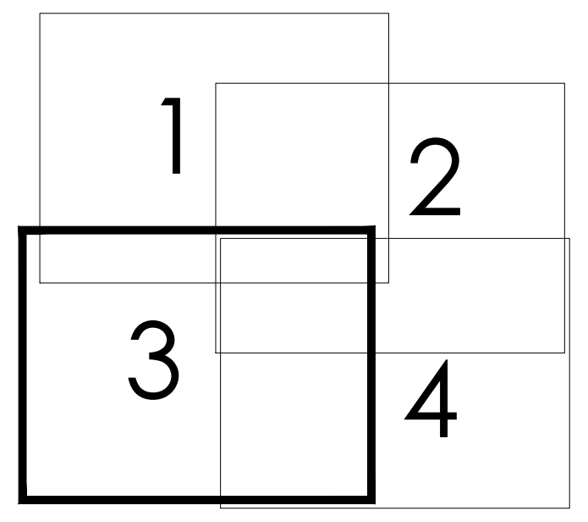
## NOTES:

All levels relate to O.S (Newlyn) Datum, Established using network RTK. Survey plotted on a plane local grid, orientated to National Grid.

Due to the high density of the vegetation on site (annotated on the drawing), levels/features were not possible to detail without suitable vegetation clearance prior to our site visit.

This Underground Utilities survey was conducted in compliance with the BSI PAS128:2014 standards.
Services linetypes display text indicating first an abbreviation of the services' function (eg. EL = Electric Cable) followed by the Quality Level to which that service was located (eg. B4 = Assumed route). Lines annotated as GPR were located using only the Ground Penetrating Radar and should be considered as Quality Level B2.

Quality Level descriptions shown in the above legend are for reference purposes only and are not intended as detailed descriptions.
For full information on Quality Levels, please consult the BSI PAS128:2014 standards document.



SHEET LAYOUT

0 2m 4m 8m 16m 20m

SCALE BAR

| REV | DATE | DESCRIPTION |
|---|---|---|
| | | |

**John Robinson Associates**
Utility Survey Specialists & Consultants

Client
Russell WBHO

Project Title
Underground services survey at:

Smithfield Market
Whitworth Street East, Manchester, M11 2WJ

| Surveyed | Drawn | Checked |
|---|---|---|
| CB | CB | JR |

| Scale | Date | Drawing Ref. | No. | Size | Rev |
|---|---|---|---|---|---|
| 1:200 | 02/22 | 211016 | 03 | A0 | - |