

Electromagnetic and/or Ground Penetrating Radar techniques have been used to locate underground utilities and features on this drawing. The information contained on this drawing is based on the best available information collected through this drawing in accordance and of the highest quality. SurveyHub Ltd has drawn accurate drawings provided by the client or by the client's Professional Engineer. The information contained on this drawing is not guaranteed. Historic record information is often incomplete and inaccurate and cannot be guaranteed. The information contained on this drawing is based on a survey that has not been undertaken by us. Any inaccuracies relating to topographical plan/development plans/Ordnance Survey data that we have no control over are not our responsibility. The information contained on this drawing is based on a survey that has not been undertaken by us. Any inaccuracies relating to underground services/features is stated. Depths are generally within +/-10% accuracy, but cannot be guaranteed. Any depths shown on drawings are usually approximate. We do not warrant the accuracy of the information contained on our surveys. We use skilled staff and modern, calibrated equipment to perform our surveys. However, the complexities of any underground survey cannot be guaranteed. We do not warrant the accuracy of the information contained on our surveys. We do not warrant the accuracy of the information contained on our surveys. If the location or depth of services/features is particularly important to a project then it is strongly recommended that discussions are held with SurveyHub Ltd regarding any possible limitations or anomalies. It is also strongly recommended that a professional Engineer is consulted for any further advice. We cannot be held responsible for any inaccuracies beyond those that should

## ABBREVIATIONS (Land & Utilities)

[illegible]

KEY:

|             |                                      |
|-------------|--------------------------------------|
| <b>SCAR</b> | VISIBLE SCANNING                     |
| BT          | TRAFFIC SIGNAL                       |
| BT (CABLE)  | BT (CABLE)                           |
| BT (CABLE)  | OVERHEAD BT (CABLE)                  |
| COM         | COMMUNICATIONS CABLES                |
| COB         | OVERHEAD COMMUNICATIONS CABLES       |
| COB (CABLE) | COB (CABLE)                          |
| COB (CABLE) | ELECTRIC CABLES                      |
| COB (CABLE) | OVERHEAD ELECTRIC CABLES             |
| FD          | FIBRE OPTIC CABLES                   |
| FD (CABLE)  | FD (CABLE)                           |
| FD (CABLE)  | GAS SERVICE                          |
| FD (CABLE)  | GROUND PENETRATING RADAR (GPR) TRACE |
| HW          | HOT WATER PIPE                       |
| HW (CABLE)  | LIGHTING CABLE                       |
| HW (CABLE)  | SECURITY CABLE                       |
| HW (CABLE)  | UNDERGROUND TRACER                   |
| WM          | WATER MAIN                           |
| WM (CABLE)  | WATER MAIN                           |
| WM (CABLE)  | FIRE ALARM CABLES                    |
| WM (CABLE)  | EMPTY DUCTING                        |
| WM (CABLE)  | COMBINED SEWER                       |
| WM (CABLE)  | FOUL SEWER                           |
| WM (CABLE)  | RISING MAIN                          |
| WM (CABLE)  | SURFACE WATER SEWER                  |
| WM (CABLE)  | INVESTIGATION EXTENTS                |
| WM (CABLE)  | SERVICE ASSESSMENT                   |
| WM (CABLE)  | REVENUE TAKEN FROM RECORDS           |
| WM (CABLE)  | DEPTH TO SERVICE                     |
| WM (CABLE)  | END OF TRACE                         |

| Station | Easting (m) | Northing (m) | Level (m) |
|---------|-------------|--------------|-----------|
|---------|-------------|--------------|-----------|



### Survey Coordinates and Grid

Please note that the grid shown on this drawing is as follows:

- ☐ Arbitrary  
☐ Arbitrary but approx. related to North  
☐ Best fit to an Ordnance Survey Digital Sheet  
☒ Related to the Ordnance Survey National GPS Network

### Levels

Please note that the levels shown on this drawing are as follows:

- ☐ Arbitrary
- ☐ Related to an Ordnance Survey Bench Mark
- ☒ Related to the Ordnance Survey National GPS Network

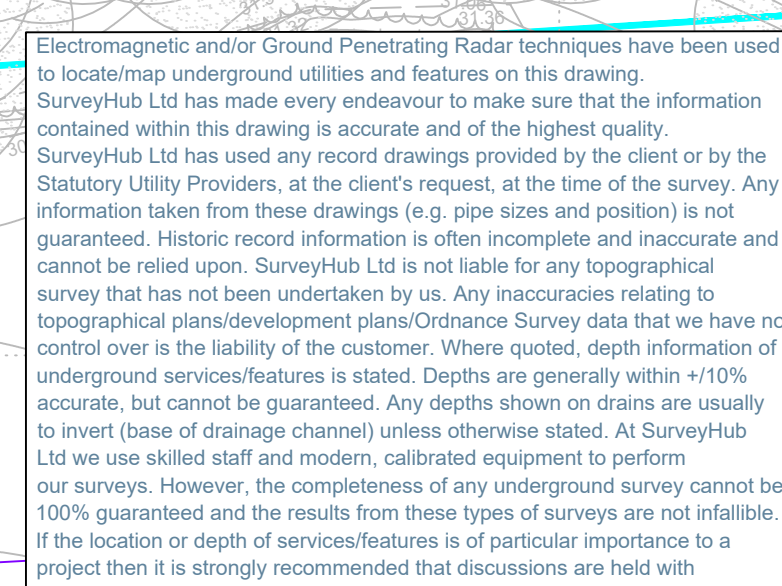
|                                                                                                                                                                                                                                    |                                                              |    |                                                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|----|--------------------------------------------------|
|  <div> <p>Nottingham   Manchester   London</p> <p>Head Office: 0157 7446123</p> <p>mail@surveyhub.co.uk</p> <p>www.surveyhub.co.uk</p> </div> |                                                              |    |                                                  |
| Client                                                                                                                                                                                                                             | Knowsley Redevelopments Ltd                                  |    |                                                  |
| Project                                                                                                                                                                                                                            | Penrhyn Road Knowsley                                        |    |                                                  |
| Title                                                                                                                                                                                                                              | Underground Utility Survey<br>CCTV Drainage Condition Survey |    |                                                  |
| Surveyed Sheet No                                                                                                                                                                                                                  | ED/LM Checked 1 of 1                                         | CR | Survey date 29/11/2021<br>Drawing/Scale 1:200@A0 |
| Job No.                                                                                                                                                                                                                            | 5166                                                         |    | Issue date 14/12/2021                            |

NOTES:

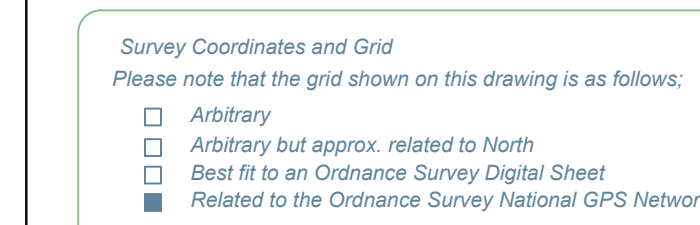
All critical measurements should be checked on site prior to design.  
No liability will be taken for this plan if passed on to 3rd parties.  
Some services/data may be omitted in areas of parked vehicles and vegetation.

This survey has been ORIENTED TO THE ORDINANCE SURVEY OF NATIONAL GRID JOSSG006 VIA A GLOBAL POSITION SYSTEM (GPS) AND THE O.C. ACTIVE NETWORK (JOSET).  
A TRUE OSGB00 COORDINATE HAS BEEN ESTABLISHED NEAR TO THE SITE CONTRARY V.A.  
THE SURVEY HAS BEEN CORRELATED TO THE POINT AND A FURTHER CAR OR MORE  
THE SURVEY HAS BEEN CORRELATED TO THE POINT AND A FURTHER CAR OR MORE  
ON SCALE FACTOR HAS BEEN APPLIED TO THE SURVEY THEREFORE THE COORDINATES  
SHOWN ARE ARBITRARY & NOT TRUE D.O. COORDINATES WHICH HAVE A SMALL FACTOR  
APPLIED

PLEASE REFER TO SURVEY STATION TABLE TO INVALID ESTABLISHMENT OF THE ON-SITE

[illegible]

|      |                                |
|------|--------------------------------|
| SCAR | VISIBLE SCARRING               |
| TS   | TRAFFIC SIGNAL                 |
| BT   | BT CABLE(S)                    |
| OC   | OVERHEAD BT CABLE(S)           |
| CC   | COMMUNICATIONS CABLE(S)        |
| CCM  | COMMUNICATIONS CABLE(S)        |
| CTV  | CABLE TV CABLE(S)              |
| EC   | ELECTRIC CABLE(S)              |
| EE   | OVERHEAD ELECTRIC CABLE(S)     |
| FE   | FIBER OPTIC CABLE(S)           |
| GM   | GAZ MAIN                       |
| GS   | GAZ SERVICE                    |
| GPSR | GROUND PENETRATING RADAR (GPR) |
| HW   | HOT WATER PIPE                 |
| LC   | LIGHTING CIRCUIT               |
| SC   | SECURITY CABLEING              |
| UT   | UNIDENTIFIED TRACE             |
| WT   | WATER MAIN                     |
| WT   | WATER SERVICE                  |
| FR   | FIRE ALARM CABLE               |
| FE   | EMPTY DUCTING                  |
| BT   | COLORED SEWER                  |
| RS   | RISING MAN                     |
| SW   | SURFACE WATER SEWER            |
| SE   | INVESTIGATION EXTENTS          |
| SS   | SERVICE ASSURE ROUTE           |
| TS   | SERVICE TAP FROM RECORDS       |
| DS   | DEPTH TO SERVICE               |

[illegible]

---

**Levels**  
Please note that the levels shown on this drawing are as follows:

- ☐ Arbitrary
- ☐ Related to an Ordnance Survey Bench Mark
- ☒ Related to the Ordnance Survey National GPS Network

**Survey Hub** Nottingham | Manchester | Leeds  
Head Office: 0115 7141123  
mail@surveyhub.co.uk  
www.surveyhub.co.uk

|         |                                                              |
|---------|--------------------------------------------------------------|
| Client  | Knowsley Redevelopments Ltd                                  |
| Project | Penrhyn Road<br>Knowsley                                     |
| Title   | Underground Utility Survey<br>CCTV Drainage Condition Survey |

|          |       |         |    |               |            |
|----------|-------|---------|----|---------------|------------|
| Surveyed | ED/LM | Checked | CR | Survey Date   | 29/11/2021 |
| Sheet No | 2     | of 3    |    | Drawing Scale | 1:200@A0   |
| Job No.  | 5166  |         |    | Issue Date    | 14/12/2021 |

**NOTES:**

All critical measurements should be checked on site prior to design.  
No liability will be taken for this plan if passed on to 3rd parties.  
Some services/data may be omitted in areas of parked vehicles and vegetation.

THIS SURVEY HAS BEEN OBTAINED TO THE ORDNANCE SURVEY (OS) NATIONAL GRID COORDINATE SYSTEM (NAD 49). THE SURVEY HAS BEEN OBTAINED TO THE TRUE ORDNANCE COORDINATE HAS BEEN ESTABLISHED NEAR TO THE SITE CENTRE VIA A TRANSFORMATION LINE (THE OS TO TRUE ORDNANCE TRANSFORMATION MODEL).  
THE SURVEY HAS BEEN CORRELATED TO THE TRUE POINT AND A FURTHER ONE MORE GEODESIC POINTS ESTABLISHED TO CRANVA T-1000 (A TRUE 0.0). BEARING FOR THE TRUE ORDNANCE COORDINATE HAS BEEN ESTABLISHED TO THE TRUE ORDNANCE COORDINATE.  
PLEASE REFER TO SURVEY STATION T1000 TO ENABLE ESTABLISHMENT OF THE ORDNANCE COORDINATE.

