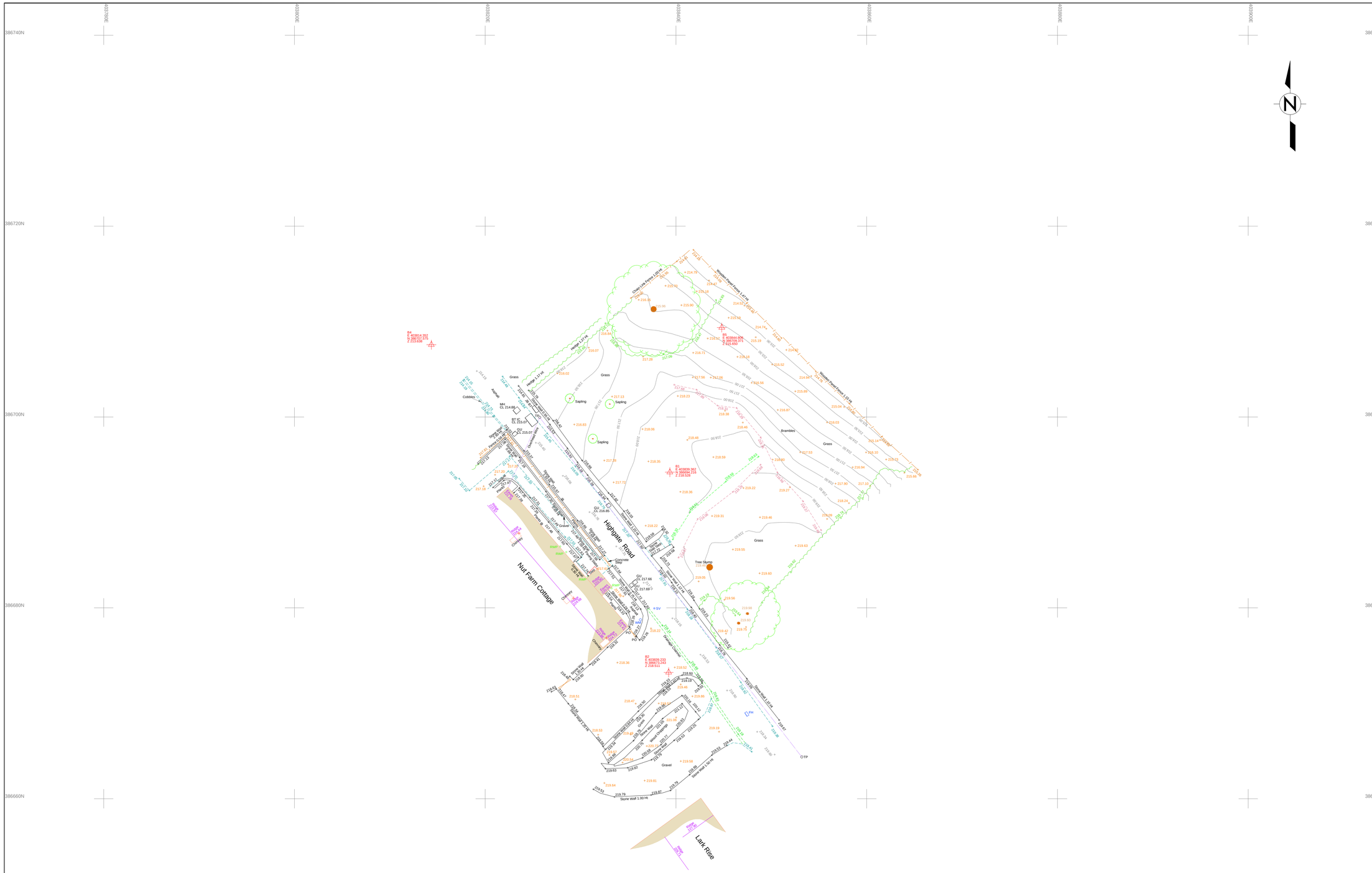


## LEGEND

### UTILITY LINETYPES

| | | | |
|---|---|---|---|
| British Telecom | BT | Gas | G |
| Cable Television | CATV | Heating Pipes | HP |
| Closed Circuit Television | CCTV | HV Cables | HV |
| Communications | C | Multiple Services Route | MSR |
| Drainage | DR | Oil | OIL |
| Drainage - Combined Water | CW | Oxygen | OXY |
| Drainage - Foul Water | FW | Street Lighting | SL |
| Drainage - Storm Water | SW | Traffic Signal Loop | TSL |
| Empty Duct | ED | Unknown | U |
| Electric | E | Underground Cable | UC |
| Fire Hydrant Main | FH | Underground Pipeline | UPL |
| Fibre Optic | FO | Water | W |
| Fuel | FUEL | High Voltage Cables | HV |

Assumed Service Route - See Utility Survey Notes (Using abbreviation of service and colour as above) — ASR—XXX—ASR—XXX

### UTILITY SURVEY INFORMATION

| | | | |
|---|---|---|---|
| Area of Concern | AOC | Unable to Survey | UTS |
| Contracted Survey Area | THIS AREA | Unable to Lift (cover) | UTL |
| Depth to Top of Service (mm) | DTS=400 | Unable to Trace | |
| End of Trace | | Unable to Trace (due to blockage) | |
| Previous Survey Area | PREVIOUS | Unable to Trace Further | |

### UTILITY SURVEY REFERENCE NOTES

Standard Note - Refer to the corresponding number located at the base of the page S#

General Note - Refer to the corresponding number located at the base of the page N#

### TOPOGRAPHIC & UTILITY DETAILS

| | | | |
|---|---|---|---|
| Barrier (symbol - sized) | | Post (symbol) | PO |
| Belisha Beacon (symbol) | | Rain Water Pipe (symbol) | RW |
| Bollard (symbol) | B | Road Sign (symbol) | RS |
| Borehole (symbol) | | Rodding Eye (symbol) | RE |
| British Telecoms IC | BTMH | Sapling (symbol) | |
| Building (incomplete detail) | | Sign Post (symbol) | SP |
| Cable into Ground (symbol) | | Soak Away | SA |
| Cable TV Box (symbol) | | Spot Light (symbol) | |
| CCTV Camera | | Spot Height | 50.00 |
| Cover Level in metres | CL 50.00 | Stop Cock (symbol) | |
| Direction of Flow (Drainage) | | Stop Valve (symbol) | |
| Distribution Board (symbol) | DB | Survey Station (symbol) | |
| Earth Rod (symbol) | ER | Telephone Pole (symbol) | |
| Electric Cabinet | EC | Telephone Box (symbol) | |
| Electric Pole (symbol) | | Traffic Bollard (symbol) | |
| Electric Sign (symbol) | | Tree (dimensions in metres - e.g.) | Dia 2.5 Ht 10.0 Maple |
| Embankment | | Diameter at 1mtr. (bole) / Height / Species | |
| Feeder Pillar | FP | Traffic Light (symbol) | |
| Fire Hydrant | FH | Unknown Valve (symbol) | |
| Flag Pole (symbol) | | Vent Pipe (symbol) | |
| Flat Roof Level in metres | FRL 50.00 | Wall | |
| Flood Light (symbol) | | Waste Pipe (symbol) | WP |
| Gas Valve (symbol) | | Water Meter (symbol) | |
| Gate | | Water Valve (symbol) | |
| Ground Level in metres | GL 50.00 | | |
| Gulley | GU | Building Canopy | |
| Inspection Cover | IC | Crash Barrier | |
| Invert Level in metres | IL 50.00 | Drainage Channel | |
| Junction Box - BT | JB BT | Drop Kerb (level in metres) | 50.00 |
| Junction Box - Comms | JB COM | Edge Detail (level in metres) | 50.00 |
| Junction Box - Elec | JB | Footpath (level in metres) | 50.00 |
| Lamp Post (symbol - sized) | | Fence | |
| Light Bollard (symbol) | LB | Heras Fence | |
| Light in ground (symbol) | | Kerb channel (level in metres) | 50.00 |
| Manhole | MH | Kerb top (level in metres) | 50.00 |
| Manhole Capped Port | | Overhead Service Line | |
| Parapet Level in metres | PL 50.00 | Pedestrian Railing | |
| Pipe Diameter in millimetres | 0100 | | |
| Pipe into Ground (symbol) | | | |

**GENERAL NOTES**

Utilities may continue outside of the survey area. Any paint marks outside of the area are for investigative purposes only and may not represent the full extent of the sub-surface utilities.

Only sub-surface utility information is provided. Above ground utility information may be shown where it assists with positional referencing.

**Where logic indicates a utility exists but which cannot be positively confirmed with the technology, an assumed route (ASR) is recorded. All Assumed Service Routes (ASR) have been highlighted with a background yellow colour for visual enhancement.**

SUMO does not procure statutory or private source utility information as part of its detection service nor does it record any such information in a utility survey unless otherwise noted. Statutory plans should be consulted to supplement this survey.

**Vertical & Horizontal Position** - Vertical position (depth) is indicative to the top of the utility/feature and is recorded as DTS (depth to top of service) and should not be taken as exact. Where depth information from the technology is unclear, depth is not shown. Drains may have been detected using threading and the depth indicated could be between the top and the bottom of the drain. Horizontal position is indicative to the centre of the utility/feature and should not be taken as exact.

**Warranty** - Biodegradable paints are used to mark-out the position of the utilities. Before long paint markings may become illegible depending on ground, weather and traffic conditions. No warranty is given in respect of the durability of the paint markings and that they are a complete representation of the sub-surface utilities therefore this drawing should be used as the primary reference for the survey results.

This drawing does not provide an absolute representation of the sub-surface. Utilities have been detected using non-invasive technologies only and the performance can be adversely affected by ground, weather and site conditions outside of SUMO's control therefore some utilities may be undetectable. While SUMO uses reasonable endeavours to detect all utilities it does not warrant that 100% detection will be achieved and that approximate depth penetration of the technologies will be greater than two metres.

Sewer and manhole details shown on this drawing have been obtained by observation and measurement from the surface and as such cannot be guaranteed. Where precise sewer details will be critical to the project design Sumo would recommend that entry into the chamber be undertaken using a specialist team, appropriately qualified for confined space entry. These teams can be supplied on request.

**Irrespective of the information provided by a utility survey and statutory plans, excavation work should be undertaken with extreme caution and in accordance with HSE Guidelines - HSG47 Avoiding Danger from Underground Services**

SHEET LAYOUT

010393_01

| Rev | Notes | Drawn | Date |
|---|---|---|---|

Notes:

Survey is referenced to OS Grid and Level Datum.


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Title: Topographical Survey

Client: SJ Design

Project: Nut Farm Cottage, Highgate Road, Hayfield

| | | | |
|---|---|---|---|
| Date Completed: | 04/10/2016 | Post Code: | SK22 2JL |
| Surveyed: | KHH | Scale: | 1/200 (A1 Sheet) |
| Drawn: | EAK | | |
| Checked: | KHH | | |
| Dwg No: 010393_01 | | Job No: SOR010393 | Rev: |