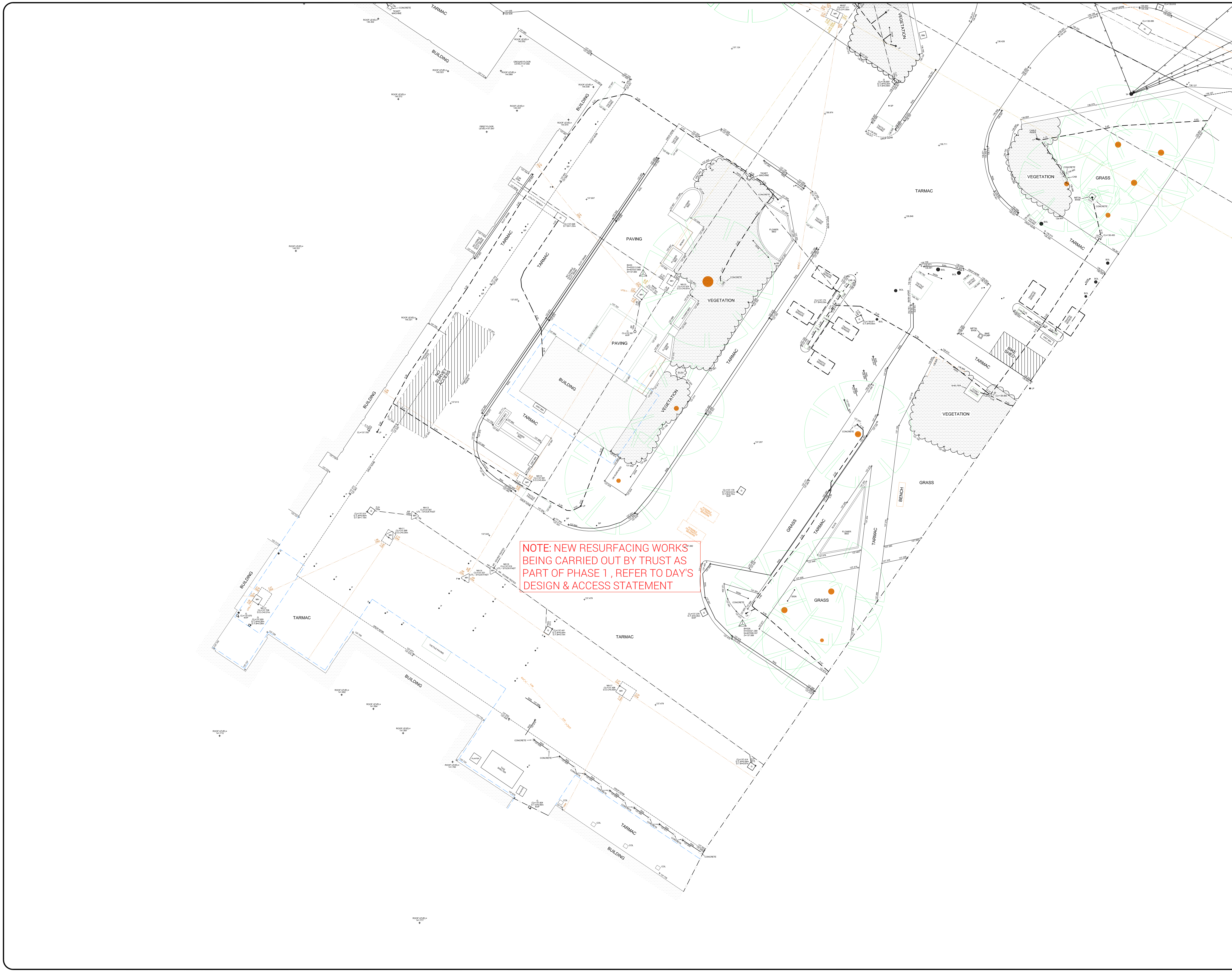
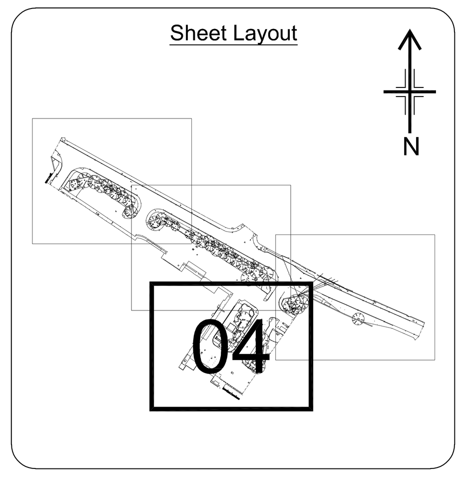



## Sheet Layout




## Topographic Abbreviations

| | | | |
|---|---|---|---|
| AV | Air Vent | IL | Invert Level |
| BB | Belisha Beacon | JB | Junction Box |
| BD | Back Drop | KO | Kerb Outlet |
| BK | Brick | LB | Litter Bin |
| BL | Base/Bed Level | LP | Lamp Post |
| BOL | Bollard | MH | Man Hole |
| BP | Brick Pillar | MK | Service Marker |
| BPV | Brick Paviour | MT | Mercury Telephone Cover |
| BR | Bike Rack | OSBM | Ordnance Survey Benchmark |
| BS | Bus Stop | P | Post |
| BT | BT Inspection Cover | PB | Post Box |
| C | Combined (Sewer) | PCP | Pedestrian Control Point |
| C&W | Cable & Wireless | PLT | Planter |
| CA | Camera | PM | Parking Meter |
| CAJB | Cable Junction Box | PPL | Parapet Level |
| CATV | Cable Inspection Cover | PU | Pump |
| CB | Control Box | RE | Rodding Eye |
| CC | Comms Cabinet | RL | Ridge Level |
| CCTV | Close Circuit Television | RS | Road Sign |
| CD | Cable Duct | RW | Retaining Wall |
| CG | Cattle Grid | RWC | Rain Water Channel |
| CH | Coal Hole | RWP | Rain Water Pipe |
| CIP | Cable Inspection Point | S | Storm (Sewer) |
| CL | Cover Level | S/A | Soakaway |
| COL | Column | Sap | Sapling |
| Conc | Concrete | SB | Sliding Bollard |
| CP | Catch Pit | SC | Water Stop Cock |
| D | Depth | SD | Service Duct |
| DK | Drop Kerb | SEG | Side Entry Gully |
| DPC | Damp Proof Course | SL | Sill Level |
| EB | Electricity Control Box | SP | Sign Post |
| EJB | Electricity Junction Box | ST | Stay Cable |
| EL | Eave Level | SV | Stop Valve |
| ELEC | Electricity Inspection Cover | SVP | Soil Vent Pipe |
| EM | Electricity Meter | SW | Stone Wall |
| EP | Electricity Pylon/Pole | TB | Telephone Call Box |
| ER | Earth Rod | TBM | Temporary Bench Mark |
| F | Foul (Sewer) | TC | Traffic Control Inspection Cover |
| FB | Flower Bed | TH | Trial Hole |
| FC | Fuel Cover | THL | Threshold Level |
| FH | Fire Hydrant | TIC | Telephone Inspection Cover |
| FL | Floor Level | TJB | Telephone Junction Box |
| FLT | Flood Light | TL | Traffic Light |
| FO | Fibre Optic | TMC | Tarmac |
| FP | Footpath | TOW | Top of Wall |
| FRL | Flat Roof Level | TP | Telegraph Pole |
| G | Gully | TS | Tree Stump |
| GAS | Gas Inspection Cover | UTL | Unable To Lift |
| GJB | Gas Junction Box | VP | Vent Pipe |
| GM | Gas Meter | WL | Water Level |
| GP | Gate Post | WM | Water Meter |
| GV | Gas Vent | WO | Wash Out |
| HL | Head Level | WP | Waste Pipe |
| IC | Inspection Cover | WTR | Water Inspection Cover |

## Topographic Legend

- Gate
- Paving
- Bottom Of Batter
- Top Of Batter
- Building/Wall
- Drip/Vegetative Line
- Slab/concrete
- Slope of batter
- Kerb
- Pipes
- Fencelines
- Vegetative Border
- Railing
- Pin Kerb
- Overhead Power Line
- Building Canopy
- Grass Edge
- Contour With Level
- Edge of Hardstanding
- Bore Hole
- Tree
- Bush
- Survey Station
- Photograph Origin

## Utility Abbreviations

| | | | |
|---|---|---|---|
| AR | ASSUMED ROUTE | NVV | NO VISIBLE VALVE |
| D.O.C | DEPTH OF COVER | TFR | TAKEN FROM RECORDS |
| D.T.B | DEPTH TO BOTTOM | TLS | TRAFFIC LIGHT SENSOR |
| D.T.S | DEPTH TO SILT | UTGA | UNABLE TO GAIN ACCESS |
| D.T.W | DEPTH TO WATER | UTL | UNABLE TO LIFT |
| EOS | END OF SONDE | UTS | UNABLE TO SONDE |
| EOT | END OF TRACE | UTT | UNABLE TO TRACE |
| EUD | EMPTY UTILITY DUCT | | |
| M.A.R | MAN ACCESS REQUIRED | | |
| NVP | NO VISIBLE PIPE | | |

## Utility Legend

- FUEL LINE - PETROL
- FUEL LINE - DIESEL, KERO OR PARAFFIN
- ELECTRICITY CABLE
- HIGH VOLTAGE ELECTRICITY CABLE
- WATER SUPPLY PIPE
- GAS
- TELECOM CABLE
- BT CABLE
- CABLE TELEVISION
- FIBRE OPTICS
- CATHODIC PROTECTION
- EARTH TAPE
- HEATING PIPES
- SURFACE WATER DRAIN
- FOUL WATER DRAIN
- COMBINED DRAIN
- UNIDENTIFIED (LOCATED USING GPR) - SEE NOTES
- UNIDENTIFIED (LOCATED BY INDUCTION) - SEE NOTES
- UNIDENTIFIED (LOCATED BY RADIO) - SEE NOTES
- UNIDENTIFIED PIPELINE
- TANK GAUGE LINE OR COMMS CABLE
- OFF-SET FILL
- VENT PIPE
- OIL PIPE
- REMEDIATION PIPES
- VAPOR RECOVERY
- SURVEY EXTENTS BOUNDARY LINE
- END OF TRACE/SONDE
- Chamber Extents
- Report Photos (P1 / P2)

## Notes

THE ACCURACY OF BOTH THE RADIO DETECTION EQUIPMENT AND THE GROUND PENETRATING RADAR, CAN ONLY BE ASSUMED TO BE +/-15% OF THE LOCATED DEPTH, FOR BOTH X,Y AND Z HEIGHT INFORMATION.

WHILST 1ST HORIZON PROVIDE SUITABLY TRAINED STAFF ON ALL PROJECTS AND OUR INVESTMENT IN THE LATEST DETECTION EQUIPMENT, LOCATED DATA MUST NOT BE ASSUMED EXHAUSTIVE AND DOCUMENT HS(G)47 MUST ALWAYS BE ADHERED TO IN ALL AREAS DURING ANY EXCAVATION WORKS.
NO LIABILITY FOR ERRORS, OMISSIONS OR EXCEPTIONS WILL BE ACCEPTED BY 1ST HORIZON SURVEYING & ENGINEERING LTD.

ALL SURVEY WORKS ARE CARRIED OUT IN ACCORDANCE WITH THE RICS SURVEYS OF LAND, BUILDINGS AND UTILITY SURVEYS AT SCALES OF 1:500 AND LARGER, OF WHICH A COPY CAN BE MADE AVAILABLE ON REQUEST.

THIS DRAWING SHOULD ONLY BE USED FOR IT'S ORIGINAL PURPOSE. 1ST HORIZON SURVEYING & ENGINEERING LTD ACCEPTS NO RESPONSIBILITY FOR THIS DRAWING IF SUPPLIED TO ANY PARTY OTHER THAN THE ORIGINAL CLIENT.

DO NOT SCALE FROM THIS DRAWING.

ALL LEVELS ARE RELATED OSTN15 GRID PROJECTION.

## Reference Material

THIS DRAWING HAS BEEN PRODUCED WITH REFERENCE TO STATUTORY AUTHORITY PLANS

| Rev | Details | Name | Date |
|---|---|---|---|
| A | Additional Information Added | CS | 27.02.19 |
| | | | |
| | | | |
| | | | |

Client: **Mott Macdonald**
4th Floor
Derwent House
150 Arundel Gate, Sheffield
S1 2JY

Project: Barnsley Hospital
Gawber Rd
Barnsley, S75 2PY

Title: Barnsley Hospital
Topographic & Utility Survey
(Sheet 4 of 4)

| | | | |
|---|---|---|---|
| Surveyed: | CS, JB, MT | CAD: | CS, MT |
| Chk'd: | ABR | App'd: | JG |
| Date: | 13.02.19 | Scale: | 1:100@A0 |

1ST HORIZON

1st Horizon Surveying and Engineering Ltd.

The Old Pop Factory
88-90 High Street
Dodworth
Barnsley S75 3RQ

Tel: +44 (0)1226 766 446
Fax: +44 (0)1226 766 317
www.1sth.co.uk
info@1sth.co.uk

No. MMB-BH5132-TS-04 Rev: A