JOHNSTON TREE CONSULTANCY

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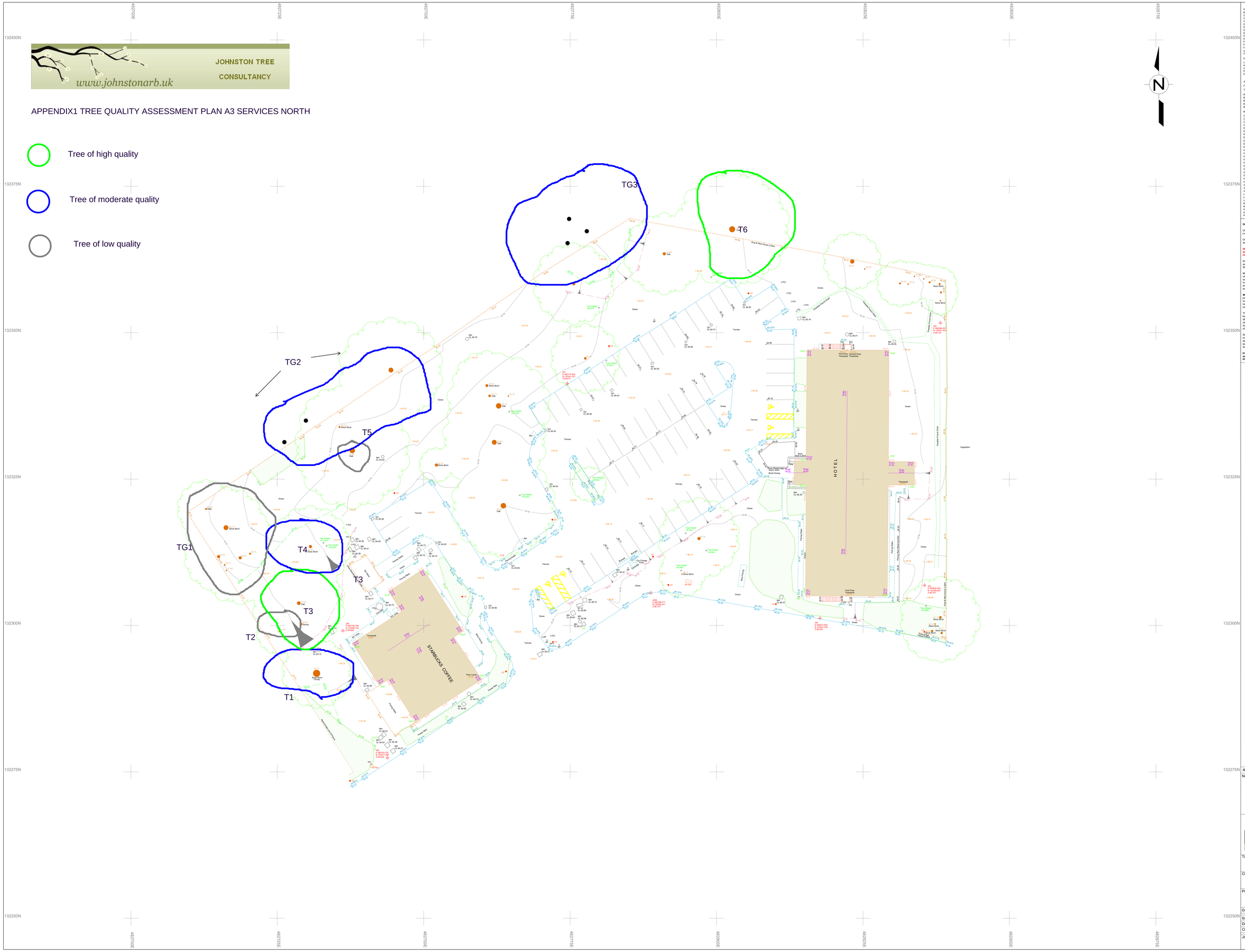
APPENDIX1 TREE QUALITY ASSESSMENT PLAN A3 SERVICES NORTH

Tree of high quality

Tree of moderate quality

Tree of low quality



LEGEND

UTILITY LINETYPES

British Telecom
Cable Television
Closed Circuit Television
Communications
Cycle Route
Drainage - Combined Water
Drainage - Foul Water
Drainage - Surface Water
Empty Duct
Electric
Fire Hydrant Main
Fibre Optic
Gas
Assumed Service Route - See GENERAL NOTES
(Using abbreviation of service and colour as above)

Gas
Heating Pipes
HV Cables
Multiple Services Route
Oil
Oxygen
Street Lighting
Traffic Signal Loop
Unknown
Unknown Cable
Unknown Pipeline
Water

UTILITY SURVEY INFORMATION

Located by Ground Penetrating Radar - GPR
Area of Concern
Contracted Survey Area - CUT GRID
Previous Survey Area - PSG GRID
Depth to Top of Service (metres) - (0.60m)

Unable to Survey - UTS
Unable to Lift (cover) - UTL
Unable to Trace - ID
Unable to Trace (due to blockage) - BL
Unable to Trace Further - FM
End of Trace - EM

ABREVIATIONS used on a PAS 128 Survey
(0.00-0.60P) - 0.60m = Depth in metres, 60 = Quality Level, P = Post processed GPR

TOPOGRAPHIC & UTILITY DETAILS

Barrier (symbol - sized)
Bellona Beacon (symbol)
Bollard (symbol)
Bosentra (symbol)
British Telecoms IC - BTMH
Building (incomplete detail)
Cable into Ground (symbol)
Cable TV Box (symbol)
CCTV Camera
Cover Level in metres - CL 50.00
Direction of Flow (Drainage)
Disabled Bay (symbol)
Earth Rod (symbol)
Electric Cabinet - EC
Electric Pole (symbol)
Electric Sign (symbol)
Embankment
Feeder Pillar - FP
Fence - F
Flag Pole (symbol)
Flat Roof Level in metres - FRL 50.00
Flood Light (symbol)
Gas Valve (symbol)
Gate
Ground Level in metres - GL 50.00
Grover - GOM
Inspection Cover - IC
Invert Level in metres - IL 50.00
Junction Box - BT - JB BT
Junction Box - Comms - JB COM
Lamp Post (symbol)
Lamp Post (symbol - sized)
Light Bollard (symbol)
Light in ground (symbol)
Manhole - MH
Manhole Capped Port
Parapet Level in metres - PL 50.00
Pipe Diameter in millimetres - (0.00)
Pipe into Ground (symbol)

Post (symbol) - PO
Rain Water Pipe (symbol)
Road Marking (symbol)
Rodding Eye (symbol) - CRE
Sapling (symbol)
Sign Post (symbol) - SP
Soak Away - SA
Spot Height (symbol) - 50.00
Spot Height - 50.00
Stop Cock (symbol)
Stop Valve (symbol)
Survey Station (symbol)
Telephone Pole (symbol)
Telephone Box (symbol)
Traffic Bollard (symbol)
Tree (dimensions in metres – e.g.)
Deciduous or Tree Group
Coniferous
Scrub
Traffic Light (symbol)
Unknown Valve (symbol)
Vent Pipe (symbol)
Wall
Waste Pipe (symbol)
Water Meter (symbol)
Water Valve (symbol) - WV

Building Canopy
Cladding
Drainage Channel
Drop Kerb (level in metres) - DK 00.00
Edge Detail (level in metres) - ED 00.00
Footpath (level in metres) - FP 00.00
Hedge
Horse Fence
Kerb channel (level in metres) - KC 00.00
Kerb top (level in metres) - KT 00.00
Overhead Service Line
Pedestrian Railing

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 available information, such features are shown as a dashed representation. Such features 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 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 exposure to the elements and time 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

Sheet 01

Rev	Notes	Drawn	Date

Notes:

Survey is referenced to OS Grid and Level Datum.

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Title: Topographical Details

Client: East Hampshire District Council

Project: Liphook Services A3 Northbound, Hampshire.

Date Completed:	14/09/2018	Post Code:	GU30 7TT
Surveyed:	JHG	Scale:	1/200 (A0 Sheet)
Drawn:	EJG		
Checked:	JHG		
Job No:	SOR013495	Dwg No: 01	Rev: