

# Site Investigation Report

Auger Ref:

194668.1.USI



## Job Information

|             |                           |
|-------------|---------------------------|
| Client      | Sedgwick International UK |
| Client ref  | 10857916                  |
| Visit date  | 13/11/2025                |
| Report date | 24/12/2025                |

## Job Summary

- ✓ CCTV survey undertaken. [Read more.](#)
- ✓ No drainage defects found. [Read more.](#)



# Job Information

## Overview

### Brief

Auger were commissioned by Sedgwick International UK to undertake a site investigation and CCTV inspection of the underground drainage within the area of concern (AOC) at the property.

## Findings

### Trial Hole Findings

#### Trial Hole 1

TH1 was undertaken in the desired location, we were able to expose the footings and we collected the requested soil and root samples.

### Drain Survey

We carried out a CCTV survey of the below ground drainage system, our findings of which are as follows:

#### Line 1 - From MH1 downstream to MH2

Our survey of line 1 revealed no significant defects to the pipework on this line which could be allowing an escape of water.

The rain water pipe in the area ran to a waterbutt and overflowed to ground.

## Recommendations

### No Further Action

We will now refer the claim back to the client to progress.

# Photographs

## Trial Hole 1

Fig 1.1: Trial Hole 1 Location

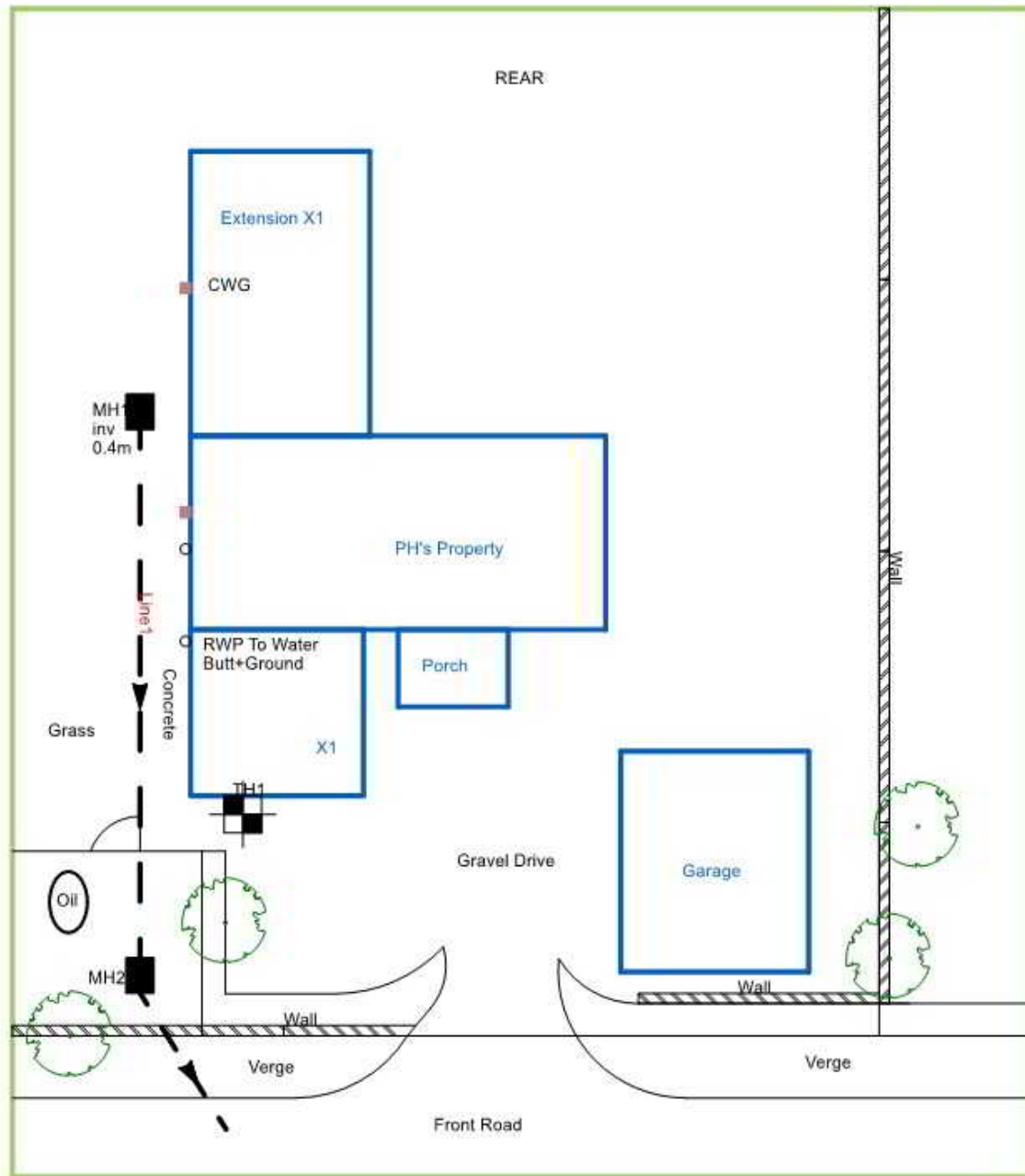


Fig 1.2: Trial Hole 1 Footing



## CCTV Survey – Inspection Listings (WRc Guidelines Applied)

| line1          |                         |           |      |
|----------------|-------------------------|-----------|------|
| Direction      | Downstream              | From      | mh1  |
| Pipe Size (mm) | 100                     | Depth (m) | down |
| Pipe Material  | VC                      | To        |      |
| 19.3m          | Manhole                 |           |      |
| 19.9m          | Finish of Survey Length |           |      |



## FRONT OF PROPERTY

This drawing should be used for diagrammatic purposes only. Auger are not responsible or liable for any 3rd party works undertaken using the details outlined in this drawing. Confirmation of the drainage configuration can only be confirmed by excavation or detailed technical survey.

| LEGEND                                                                              |                           |                                                                                       |                                                       |
|-------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------|
|  | = Manhole (MH)            |    | = Blockage / Collapse                                 |
|  | = Inspection Chamber (IC) |    | = Soil Vent Pipe (SVP) / WC                           |
|  | = Inspection Point (IP)   |    | = Combined Waste Gully (CWG) / Foul Waste Gully (FWG) |
|                                                                                     |                           |    | = Rainwater Gully (RWG)                               |
|                                                                                     |                           |    | = Rainwater Pipe (RWP)                                |
|                                                                                     |                           |    | = Lines not camera surveyed                           |
|                                                                                     |                           |    | = Lines camera surveyed                               |
|                                                                                     |                           |    | = Assumed water mains feed                            |
|                                                                                     |                           |    | = Walls                                               |
|                                                                                     |                           |    | = Fences                                              |
|                                                                                     |                           |    | = Building Outline                                    |
|                                                                                     |                           |  | = Trial hole                                          |
|                                                                                     |                           |  | = Borehole                                            |
|                                                                                     |                           |  | = Direction of flow                                   |
|                                                                                     |                           |  | = Gate / Door                                         |
|                                                                                     |                           |  | = Shrubs / Bush                                       |
|                                                                                     |                           |  | = Hedge                                               |
|                                                                                     |                           |  | = Tree                                                |
|                                                                                     |                           |  | = Steps                                               |



# Trial Hole Log No.1

Location: Front left corner

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| Depth<br>(m) | Symbolic Log | Strata Description                                      | Insitu Tests |  | Soil<br>Sample | Root<br>Sample |
|--------------|--------------|---------------------------------------------------------|--------------|--|----------------|----------------|
|              |              |                                                         | SV(19)       |  |                |                |
| 0.0          |              | Ground Level                                            |              |  |                |                |
|              |              | Gravel                                                  |              |  |                |                |
|              |              | Stone                                                   |              |  |                |                |
|              |              | Stone                                                   |              |  |                |                |
| 0.5          |              | Moist stiff brown fine to medium<br>gravelly silty CLAY | 70kpa        |  | Soil<br>@ 0.6m | Root<br>@ 0.6m |
| 1.0          |              | Moist stiff brown silty CLAY                            | 75kpa        |  | Soil<br>@ 1.1m | Root<br>@ 1.1m |
| 1.5          |              |                                                         | 125kpa       |  | Soil<br>@ 1.6m |                |
| 2.0          |              | Moist stiff brown fine to medium<br>gravelly silty CLAY | 125kpa       |  | Soil<br>@ 2.1m |                |
| 2.5          |              | Moist stiff brown silty CLAY                            | 135kpa       |  | Soil<br>@ 2.6m |                |
| 3.0          |              | TRIAL HOLE TERMINATED                                   | 150kpa       |  |                |                |
| 3.5          |              |                                                         |              |  |                |                |

Unit 3 & 4,  
 Heol Aur,  
 Dafen Ind Estate,  
 Dafen  
 Llanelli,  
 Carmarthenshire,  
 SA14 8QN

**\*The testing results contained within this report have been performed by GSTL a UKAS accredited laboratory on behalf of Auger.**

**Auger House,  
 Cross Lane,  
 Wallasey,  
 Wirral,  
 CH45 8RH**

### Summary Of Claim Details

Policy Holder

GSTL Job Reference

82596

SI Date

13/11/2025

Issue Date

13/11/2025

Report Date

26/11/2025

Auger Reference

194668.1.2.RSS

Insurance Company

NFU Mutual

LA Claim Reference

10857916

LA Co. Reference

Sedgwick International UK

This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

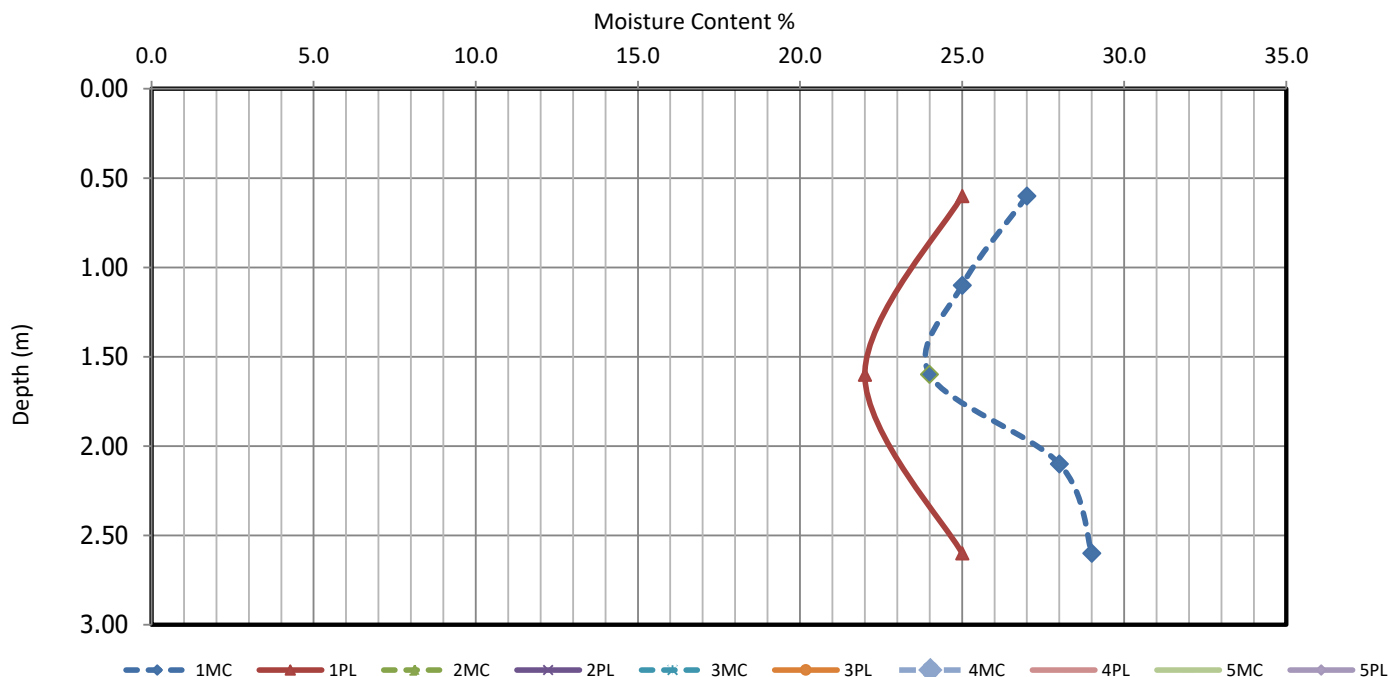
Checked and approved

26/11/2025

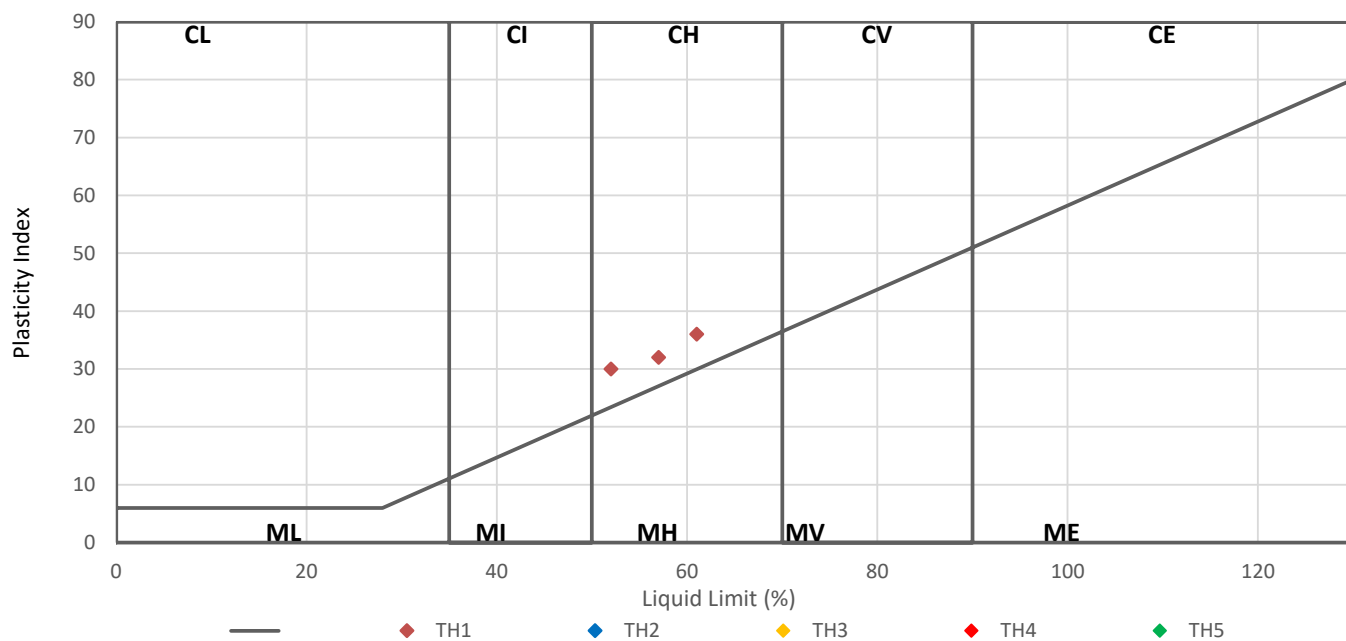
R.John







**PLASTICITY CHART FOR CASAGRANDE CLASSIFICATION**  
BS 5930:1999+A2:2010



Modified Plasticity Index (PI) <10 : Non Classified  
 Modified PI = 10 to <20 : Low volume change potential (LOW VCP)  
 Modified PI = 20 to <40 : Medium volume change potential (Med VCP)  
 Modified PI = 40 or greater : High volume change potential (HIGH VCP)

The Atterberg Limits May also be used to classify the volume change potential of fine soils using the National House building system, as given in the NHBC's Standards Chapter 4.2 (2003) "Building Near Trees"

Test Operator

Jason Smith

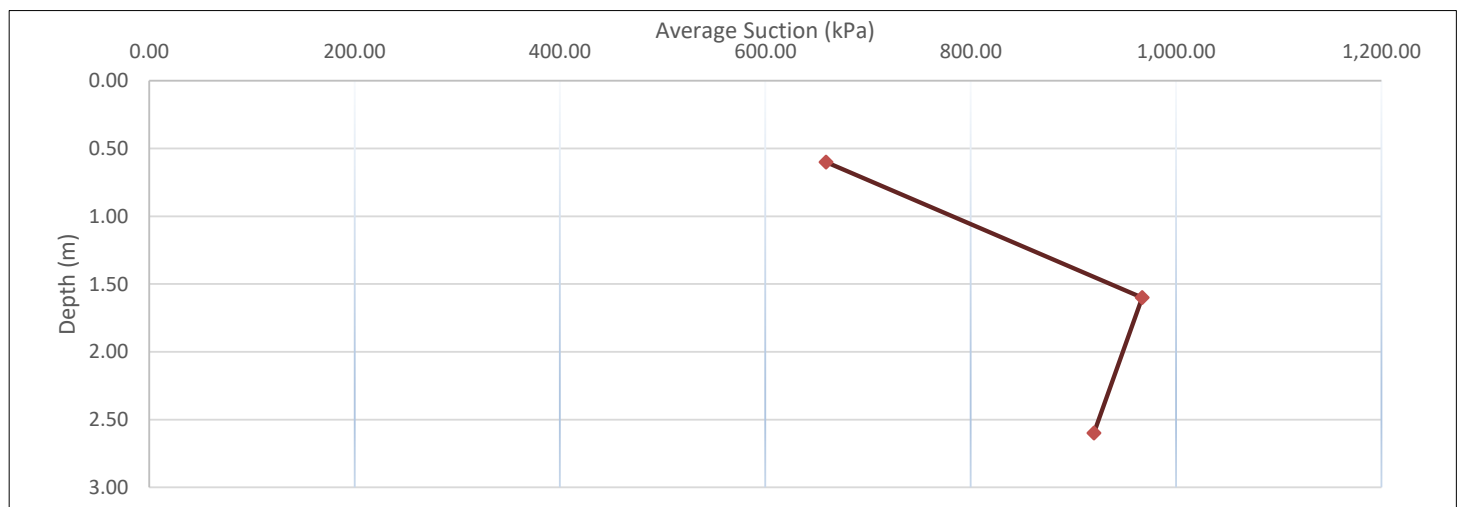
|                      |                                                                  |  |
|----------------------|------------------------------------------------------------------|--|
| GSTL Contract Number | 82596                                                            |  |
| Report Date          | 26/11/2025                                                       |  |
| Auger Reference      | 194668.1.2.RSS                                                   |  |
| Remarks              | D - Disturbed (Recompacted 2.5kg Rammer), U - Undisturbed Sample |  |

| TH<br>Trial Hole | Depth<br>(m) | Filter Paper<br>Location | Filter<br>Paper | Sample<br>Prep<br>Method | Test<br>Duration<br>(Days) | Water<br>Content<br>(%) | Soil<br>Suction Pk<br>(kPa) | Average Soil Suction<br>Pk (kPa) | Cumulative Heave Potential<br>(mm) from bottom of the<br>hole |
|------------------|--------------|--------------------------|-----------------|--------------------------|----------------------------|-------------------------|-----------------------------|----------------------------------|---------------------------------------------------------------|
| TH1              | 0.60         | Top                      | I               | D                        | 5                          | 32.6                    | 649                         | 659                              | 26                                                            |
| TH1              |              | Middle                   | II              | D                        | 5                          | 32.5                    | 661                         |                                  |                                                               |
| TH1              |              | Bottom                   | III             | D                        | 5                          | 32.4                    | 668                         |                                  |                                                               |
| TH1              | 1.10         |                          |                 |                          |                            |                         |                             |                                  |                                                               |
| TH1              |              |                          |                 |                          |                            |                         |                             |                                  |                                                               |
| TH1              |              |                          |                 |                          |                            |                         |                             |                                  |                                                               |
| TH1              | 1.60         | Top                      | I               | D                        | 5                          | 30.0                    | 942                         | 967                              | 16                                                            |
| TH1              |              | Middle                   | II              | D                        | 5                          | 29.8                    | 976                         |                                  |                                                               |
| TH1              |              | Bottom                   | III             | D                        | 5                          | 29.7                    | 983                         |                                  |                                                               |
| TH1              | 2.10         |                          |                 |                          |                            |                         |                             |                                  |                                                               |
| TH1              |              |                          |                 |                          |                            |                         |                             |                                  |                                                               |
| TH1              |              |                          |                 |                          |                            |                         |                             |                                  |                                                               |
| TH1              | 2.60         | Top                      | I               | D                        | 5                          | 30.3                    | 902                         | 920                              | 9                                                             |
| TH1              |              | Middle                   | II              | D                        | 5                          | 30.2                    | 917                         |                                  |                                                               |
| TH1              |              | Bottom                   | III             | D                        | 5                          | 30.0                    | 942                         |                                  |                                                               |
|                  |              |                          |                 |                          |                            |                         |                             |                                  |                                                               |
|                  |              |                          |                 |                          |                            |                         |                             |                                  |                                                               |
|                  |              |                          |                 |                          |                            |                         |                             |                                  |                                                               |
|                  |              |                          |                 |                          |                            |                         |                             |                                  |                                                               |
|                  |              |                          |                 |                          |                            |                         |                             |                                  |                                                               |
|                  |              |                          |                 |                          |                            |                         |                             |                                  |                                                               |

Heave potential is calculated from the bottom of the hole and heaves above the bottom of the hole are reported as a cumulative value.

The values reported for heave above only apply to the strata the suction and plasticity have been performed on. The shallowest depth reported is assumed to be a strata thickness to GL and Heave is calculated based on that layer thickness, if the next sample is in 0.5m increments the heave is calculated based on the layer thickness of 0.5m and depths 1m from the sample above will include heave over 1m.

Consideration should be made for other stratas where values are not reported and when working out the heave potential over the entire trial hole.



|               |
|---------------|
| Test Operator |
| Jason Smith   |



Root identification  
Vegetation surveys  
Tree/Building investigations  
Plant taxonomy

# Richardson's Botanical Identifications

Dr Ian B K Richardson  
*BSc, MSc, PhD, MRSB, FLS*

James Richardson  
*BSc (Hons. Biology)*

Enterprise House  
49-51 Whiteknights Road  
Reading  
RG6 7BB

Tel: (0118) 986 9552 (*Direct line*)

E-mail: [richardsons@botanical.net](mailto:richardsons@botanical.net)

Web: [www.botanical.net](http://www.botanical.net)

## Auger Solutions

Auger House

Cross Lane

WALLASEY

Wirral CH45 8RH

26/11/2025

Your ref: 194668-1-1

Our ref: 90/2710

Dear Sirs

### Root ID

The samples you sent in relation to the above on 13/11/2025 have been examined. Their structures were referable as follows:

| TH1, 0.6m |                                                                                                                                                   |                            |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| 1 no.     | Examined root: most referable to the family Rosaceae, subfamily ROSOIDEAE (shrubs including Roses, Brambles, Raspberries, Kerria and Potentilla). | Alive, recently*.          |
| 2 no.     | Examined root: HEDERA (Ivy) - or the related FATSIA (a robust shrub with fig-like leaves).                                                        | Alive, recently*.          |
| 1 no.     | Examined root: an herbaceous (non-woody) plant. Only 0.4mm in diameter.                                                                           | Inconclusive Iodine test*. |
| 4 no.     | Unfortunately all with insufficient cells for identification.                                                                                     |                            |
| TH1, 1.1m |                                                                                                                                                   |                            |
| 2 no.     | Both samples revealed too few cells for microscopic identification.                                                                               |                            |

I trust this is of help. Please call us if you have any queries; our Invoice is enclosed.

Yours faithfully

Dr Ian B K Richardson

\*

Based mainly on the Iodine test for starch. Starch is present in some cells of a living woody root, but is more or less rapidly broken down by soil micro-organisms on death of the root, sometimes before decay is evident. This result need not reflect the state of the parent tree.

\*\* Try out our web site on [www.botanical.net](http://www.botanical.net) \*\*