

SITE INVESTIGATION FACTUAL REPORT

Report No:

Client: Sedgwick International UK - Maidstone

Site: 47B, Greencroft Gardens, London

Client Ref:

Date of Visit: 09/11/2020















Home Emergency Response - Subsidence Investigation - Drainage Services - Crack & Level Monitoring - Property Video Surveys

| Inv Lay | estigation yout Plan | | Sheet: 1 of 1 Date: 15/12/20 | Site: 47B, Greencroft Gardens, NW6 Work carried |
|------------|-------------------------|---------------|-------------------------------|--|
| SP (SI) | SA (Checked) | Jo (Drawn) | Weather: Dry | out for: Sedgwick International UK |
| | | G | REENCROFT GARDENS PAVEMENT | |
| | | NO 4 | DRAIN RECOMMENDATIO | SHRUB HT 2.0m DT 3.0m HT 18.0m+ DT 5.0m FAIR HAZEL GARDENS NS |
| Scale: | N.T.S. | | | Surface Water Drain → Foul Water Drain → |



TEST REPORT: Trial Pit

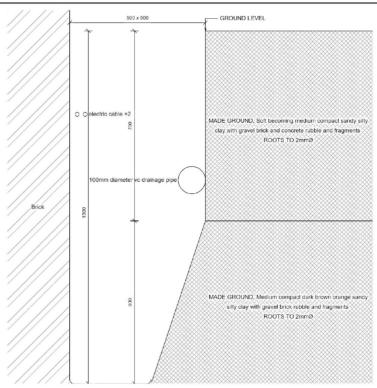
REPORT NUMBER:

TRIAL PIT REF: Tp1 DATE: 09/11/2020

CLIENT: Sedgwick International UK SITE: 47b Greencroft Gardens

JOB NO: WEATHER: Dr

EXCAVATION METHOD: Hand tools



Trial pit abandoned at 1300mm

U/S of foundation not found, no soil sample taken. TP abandoned at 1300mm due to foundation $$\sf Key:$$ depth BH carried out behind TP. $$\sf Expansion PP.$$

- D Small disturbed sample J Jar sample
- B Bulk disturbed sample V Pilcon vane (kPa)
- W Water sample M Mackintosh probe

TDTD Too dense to drive

Remarks:

Test results reported relate only to the items tested.

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For and on behalf of CET Scott Alger - Lab

Report Format:

Approved Signatory 10-Nov-20

Report version 1

Page 1 of 1

| | | _ | | | Sheet: | 1 of 2 | Site: | 47B, Green | ncroft Ga | rdens | | |
|----------|------------|----------------|--------------|-----------------------------|---------------------|------------------|-----------|-------------|--------------------|----------|----------|--------|
| | Boreh | ole | 1 | | Job No: | | | | | | | |
| | | | | | Date: | 09/11/2020 | | | | | | |
| Boring N | lethod: | Hand Auger | | | Ground Level: | | Client: | Sedgwick Ir | nternatio | nal UK - | Maidsto | ne |
| Diamete | r (mm): | 75 | Weather: | dry | • | | | | | | | |
| Depth | | | • | Soil Description | | | | | | Samı | oles and | Tests |
| (m) | | | | | | | | Thickness | Legend | Depth | Type | Result |
| | MADEGE | ROUND soft be | ecoming me | dium compact brown silty | sandy clay with | gravel brick an | d | 0.70 | XXXX | | | |
| | concrete | | | | | | | | XXXX | | | |
| | | | | | | | | | 88888 | | | |
| | | | | | | | | | XXXX | | | |
| | | | | | | | | | XXXX | | | |
| | | | | | | | | | XXXXX | | | |
| | | | | | | | | | **** | | | |
| 0.70 | MADEGE | OLIND modiu | m compact | brown silty sandy clay wit | h graval and brid | ck fragaments | | 0.80 | **** | | | |
| 0.70 | WADEGR | COND media | iiii compact | DIOWII SILY Salidy Clay WIL | ii giavei aliu bili | LK Hagerilents | | 0.80 | XXXX | | | |
| | | | | | | | | | XXXX | | | |
| | | | | | | | | | XXXX | | | |
| | | | | | | | | | XXXX | | | |
| | | | | | | | | | **** | | | |
| | | | | | | | | | *** | | | |
| | | | | | | | | | 88888 | | | |
| | | | | | | | | | XXXXX | | | |
| 1.50 | Stiff orar | nge-brown silt | y CLAY with | gravel | | | | 3.50 | × — × | 1.50 | DV | 130+ |
| | | | | | | | | | × — × | | | 130+ |
| | | | | | | | | | × — × | | | |
| | | | | | | | | | ×× | | | |
| | | | | | | | | | × × | | | |
| | | | | | | | | | ×× | 2.00 | DV | 130+ |
| | | | | | | | | | ×× | | | 130+ |
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| | | | | | | | | | × × | | | |
| | | | | | | | | | <u>×—×</u> | | | |
| | | | | | | | | | ×× | 2.50 | DV | 130+ |
| | | | | | | | | | ×× | | | 130+ |
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| | | | | | | | | | ~ - | 3.00 | DV | 130+ |
| | | | | | | | | | <u>^-×</u> | 3.00 | D. | 130+ |
| | | | | | | | | | <u>~ - ×</u> | | | 1301 |
| | | | | | | | | | <u>~ ×</u> | | | |
| | | | | | | | | | <u>~-×</u> | | | |
| | | | | | | | | | × | 0.50 | 517 | 400 |
| | | | | | | | | | <u>~-×</u> | 3.50 | DV | 130+ |
| | | | | | | | | | <u>*</u> × | \vdash | | 130+ |
| | | | | | | | | | <u>*</u> * | <u> </u> | | |
| | | | | | | | | | <u>*</u> × | \vdash | | |
| | | | | | | | | | <u>*</u> × | | | |
| | | | | | | | | | <u>×—×</u> | 4.00 | DV | 130+ |
| | | | | | | | | | ×× | | | 130+ |
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| | | | | | | | | | <u>xx</u> | | | |
| Remarks | : | | | | | Key: | | | | | То | Max |
| 1 | | | | | | D - Disturbed Sa | mple | | | | Depth | Dia |
| | | | | | | B - Bulk Sample | | | | | (m) | (mm) |
| 1 | | | | | | W - Water Samp | ole | Roots | | | | |
| 1 | | | | | | J - Jar Sample | | Roots | | | | |
| | | | | | | V - Pilcon Shear | Vane (kPa | | | | | |
| | | | | | | M - Mackintosh | | Depth to W | ater (m) | | | |
| 1 | | | | | | TDTD - Too Den: | | 0.50 | 17 | | | ' |
| Logged: | | sp | SA | Checked: | Approved: | | V1.0 28/0 | | | | N.T.S. | |
| | | | | | | | | | | | | |



TEST REPORT: Trial Pit

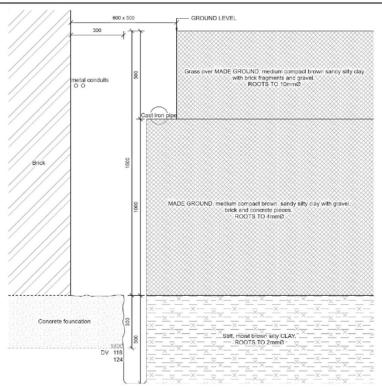
REPORT NUMBER:

TRIAL PIT REF: TP1A DATE: 15/12/2020

CLIENT: Sedgwick International UK SITE: 47b Greencroft Gardens

JOB NO: WEATHER:

EXCAVATION METHOD: Hand tools



For Strata below 2000mm see Bore Hole log

TP excavated to 1500mm, then extended with the aid of a hand auger to 2000mm. Curved steel pin driven approximately 150mm under concrete at 1800mm below ground level. Water seepage at 1500mm.

Small disturbed sample J Jar sample D

В Bulk disturbed sample V Pilcon vane (kPa) M Mackintosh probe

Water sample

TDTD Too dense to drive

Remarks:

Test results reported relate only to the items tested.

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Report Format:



Approved Signatory 17-Dec-20



Report version 1

Page 1 of 1

| | | | | Sheet: | 2 of 2 | Site: | : 47B, Greencroft Gardens | | | | | |
|----------|-----------|----------------|---------------|----------------------------|---------------|------------------|---------------------------|-------------|-----------|----------|----------|--------|
| | Boreł | nole | 1 | | Job No: | | | | | | | |
| | | 1 | | | Date: | 09/11/2020 | | | | | | |
| Boring M | | Hand Auger | T | | Ground Level: | | Client: | Sedgwick Ir | nternatio | nal UK - | Maidsto | ne |
| Diamete | r (mm): | 75 | Weather: | dry | | | | | | | | |
| Depth | | | | Soil Description | | | | | | _ | oles and | _ |
| (m) | | | | | | | | Thickness | Legend | | Type | Result |
| 5.00 | | | | End of BH | | | | | | 5.00 | DV | 130 + |
| | | | | | | | | | | | | 130+ |
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| | | | | | | | | | | | | |
| Remarks | | | | | | Key: | | | | | То | Max |
| BH ends | at 5.0m.B | H dry and oper | on completion | on,no roots observed below | 3.2m . | D - Disturbed Sa | ample | | | | Depth | Dia |
| 1 | | | | | | B - Bulk Sample | | | | | (m) | (mm) |
| 1 | | | | | | W - Water Sam | ple | Roots | | | 2.00 | 2 |
| 1 | | | | | | J - Jar Sample | | Roots | | | 3.20 | 1 |
| 1 | | | | | | V - Pilcon Shear | Vane (kPa | Roots | | | | |
| 1 | | | | | | M - Mackintosh | Probe | Depth to W | ater (m) | | | |
| | | | | | | TDTD - Too Den | se To Drive | е | | | | |
| Logged: | | sp | SA | Checked: | Approved: | Version | V1.0 28/0 | 1/16 | | | N.T.S. | |

| 10 See Trial Pit | | | | | | | | | | | | | |
|--|----------|-----------|----------------|---------------|--------------------------|-------------------|------------|-----------|------------|------------|-----------|-----------|--------|
| No see N | | | | | | | 1 of 1 | Site: | 47B, Gree | ncroft Ga | rdens | | |
| | | Boreh | iole | 1A | | | | | | | | | |
| No. Solid Solid | Boring N | /lethod: | Hand Auger | 1 | | | 15/12/2020 | Cliant | Codemial | ntornati - | nal IIV | Majdar | nno. |
| 1 | | | | Weather: | dry | around Level: | | chent: | Jeugwick I | nterriatio | iiai UN - | iviaiustt | nie. |
| 10 10 10 10 10 10 10 10 | Depth | | | | | | | | | | Sam | ples and | Tests |
| Stiff brown silty CLAY | (m) | | | | | | | | Thickness | Legend | Depth | Type | Result |
| Note | 0.00 | See Trial | Pit | | | | | | 2.00 | | | | |
| Note | | | | | | | | | | | | | |
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| Note | | | | | | | | | | | | <u> </u> | |
| Note | 2.00 | C.:C. | The Control | | | | | | 2.00 | | 2.00 | For a | 400 |
| | 2.00 | Stim brov | wn Slity CLAY | | | | | | 3.00 | ^ | 2.00 | אט | |
| Section Sect | | | | | | | | | | v | | \vdash | 130+ |
| Region Find of BH | | | | | | | | | | - | | | |
| Section Sect | | | | | | | | | | x | | | |
| | | | | | | | | | | × - | 2.50 | DV | 130+ |
| No continue | | | | | | | | | | v — | | | |
| Note | | | | | | | | | | v - | | | |
| Section Sect | | | | | | | | | | ×× | | | |
| Registrated to 5.0m. | | | | | | | | | | ×× | | | |
| Note | | | | | | | | | | × × | 3.00 | DV | 130+ |
| Note | | | | | | | | | | × — × | | | 130 |
| Registration | | | | | | | | | | × × | | | |
| Note | | | | | | | | | | ×× | | | |
| Note | | | | | | | | | | ×× | | | 425 |
| No | | | | | | | | | | v — | 3.50 | υν | |
| Name | | | | | | | | | | <u>x x</u> | | \vdash | 130+ |
| Name | | | | | | | | | | × × | | | |
| Name | | | | | | | | | | ×_ × | | | |
| Name | | | | | | | | | | ×× | 4.00 | DV | 130+ |
| Note | | | | | | | | | | ~ - | | | |
| Note | | | | | | | | | | ×× | | | |
| No | | | | | | | | | | ×× | | | |
| No | | | | | | | | | | × × | | | |
| Note | | | | | | | | | | × — × | 4.50 | DV | |
| Name | | | | | | | | | | × — × | | | 130+ |
| End of BH End of BH Served to 5.0m. BH dry and open on completion. Dead and decomposing root fragments be reved to 5.0m. BH dry and open on completion. Dead and decomposing root fragments be reved to 5.0m. BH dry and open on completion. Dead and decomposing root fragments be reved to 5.0m. BH dry and open on completion. Dead and decomposing root fragments be a B. Bulk Sample B. Bulk Sample B. Boots B. Bulk Sample B. Bulk Sample B. Boots B. Bulk Sample B. Bulk S | | | | | | | | | | × — × | | | 202000 |
| arks: Key: To Max D - Disturbed Sample Depth Dia P - Bulk Sample Roots 3.30 3 J - Jar Sample Roots 4.00 Fibrous V - Pilcon Shear Vane (kPa Roots M. Maxelintosh Probe Depth to Water (m) To DID - Too Dense To Drive | F.C. | | | | F 1 - 6 m : | | | | | * × | 5.00 | DV | |
| ends at 5.0m. BH dry and open on completion. Dead and decomposing root fragments reved to 5.0m. B - Bulk Sample W - Water Sample Roots J - Jar Sample Roots V - Pilcon Shear Vane (kPa Roots M - Mackintosh Probe Depth to Water (m) TDTD - Too Dense To Drive | 5.00 | | | | End of BH | | V | | | | | L | |
| B - Bulk Sample | | | H dry and open | n on completi | on. Dead and decomposing | root fragments | 18 | mala | | | | | |
| W - Water Sample Roots 3.30 3 J - Jar Sample Roots 4.00 Fibrous V - Pilcon Shear Vane (kPa Roots W - Mackintosh Probe Depth to Water (m) TDTD - Too Dense To Drive | | | ar y and oper | on completi | s sead and decomposing | 5 . Joe magnients | | iiibie | | | | | |
| J - Jar Sample Roots 4.00 Fibrous V - Pilcon Shear Vane (kPa Roots | | | | | | | 20 | ole | Roots | | | | |
| V - Pilcon Shear Vane (kPa Roots M - Mackintosh Probe Depth to Water (m) TDTD - Too Dense To Drive | | | | | | | | end. | | | | | |
| M - Mackintosh Probe Depth to Water (m) TDTD - Too Dense To Drive | | | | | | | | Vane (kPa | | | | | |
| | | | | | | | | | | Vater (m) | | | |
| ed: JMC SA Checked: Approved: Version V1.0 28/01/16 N.T.S. | | | | | | | | | | | | | |
| | ogged: | | JMC | SA | Checked: | Approved: | Version | V1.0 28/0 | 1/16 | | | N.T.S. | |

Laboratory Summary Results

Our Ref: Date Sampled: 09/11&15/12/20 Date Received: 10/11&17/12/20 Sedgwick International UK - Maidston Client: Date Tested: 10/11&17/12/20

TP/BI No 50₄ [15] BHI CV D -0.07 1.5 22 <5 75 25 50 50 618 > 130 2.0 D 28 <5 > 130 2.5 D 25 <5 77 28 -0.06 CV 849 > 130 3.0 D 28 <5 > 130 3.5 D 28 <5 78 30 48 -0.04 48 CV 842 > 130 27 > 130 D <5 4.0 4.5 D 28 <5 710 > 130 D 29 > 130

Address

Test Methods / Notes
[1] Bs 1377-12m2 - 1990, Test No 3.2
[2] Indianal of 5%, otherwise announced
[3] Indianal of 5%, otherwise announced
[4] Bs 1377-12m2 - 1990, Test No 4.4
[4] Bs 1377-12m2 - 1990, Test No 5.3
[5] Bs 1377-12m2 - 1990, Test No 5.4
[6] BBE Digeral 301-1990
[7] Bs 5990, 2018 - Figure 8 - Plackely Chart for the classification of the control of the c

a Pikon laind vane or Geonor vane (GV). [12] BS 1377: Part 3: 1990, Test No. 4 [13] BS 1377: Part 2: 1990, Test No. 9 [14] BS 1377: Part 3: 1990, Test No. 5.6 /15/ SO₄ = 1.2 x SO₄

* These tests are not UKAS accredited Full reports can be provided upon request.

Date of Report



18/11&29/12/20

of fine sells

Test results reported relate only to the items tested.

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Version: 5BH V1 - 11.11.20

0927

Laboratory Testing Results

Our Ref: Date Sampled: 09/11&15/12/20 Date Received: 10/11&17/12/20 Date Tested: 10/11&17/12/20 Date of Report: 18/11&29/12/20 Location: 47B, Greencroft Gardens, London Client: Sedgwick International UK - Maidstone Address:

| radic | | | | | | | | | | | | | | | | | | | | |
|-------|-------------|------|----------|----------------------|--------|---------|------------|-------------|-----------------|-------|--------------|----------------------|-----------|----------------------------|------------------------|-----------|-------|-------------------------|-------------------------|-------|
| | Sample Ref. | 1 | Moisture | Soil | Liquid | Plastic | Plasticity | Liquidity * | | | Filter Paper | Soil | Oedometer | Estimated * | | Organic * | pH * | Sulphate (| | * |
| TP/BH | | Type | Content | Fraction | Limit | Limit | Index | Index | Plasticity | Class | Contact | Sample | Strain | Heave | Shear Vane | Content | Value | (g/ | | Class |
| No. | (m) | | (%) [I] | > 0.425mm (%) [2] | (%)[3] | (%)[4] | (%)[5] | [5] | Index (%)[6] | [7] | Time (d) | Suction (kPa) [8] | [9] | Potential (Dd) (mm)[10] | Strength (kPa) [11] | (%)[12] | [13] | so ₃ [14] | so ₄ [15] | [16] |
| | | | | | | | | | | | | | | | | | | | | |
| 1A | U/S 1.80 | D | 37 | <5 | 83 | 29 | 54 | 0.14 | 54 | CV | 7 | 424 | | | 121 | | | | | |
| | 2.0 | D | 28 | <5 | | | | | | | | | | | 128 | | | | | |
| | 2.5 | D | 28 | <5 | 83 | 28 | 55 | 0.01 | 55 | CV | 7 | 788 | | | > 130 | | | | | |
| | 3.0 | D | 29 | <5 | | | | | | | | | | | > 130 | | | | | |
| | 3.5 | D | 29 | <5 | 78 | 32 | 46 | -0.07 | 46 | CV | 7 | 874 | | | > 130 | | | | | |
| | 4.0 | D | 28 | <5 | | | | | | | | | | | > 130 | | | | | |
| | 4.5 | D | 30 | <5 | | | | | | | 7 | 685 | | | > 130 | | | | | |
| | 5.0 | D | 31 | <5 | | | | | | | 7 | 654 | | | > 130 | | | | | |
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21, 18-mars reduced NM adoption from Hort 19-4-15
29) In-house Test Procedure STA One Pitternismal Swell-Strain Test
19) In-house Test Procedure STA One Pitternismal Swell-Strain Test
110) Values of shore strongth nere determined in situ by CFT using
a Pittern hand vane or Generor used GVV,
112 IS 13177-1817-1990, Lett No 4
1139 IS 13177-1811-1990, Lett No 4
1139 IS 13177-1811-1990, Lett No 56
1159 SQ = 12.8.50,

[16] BEF Special Depost One (Consute in Aggressive Ground) August 200. Note that if the SSG content falls into the DE-4 or DE-5 class, I reveal be producted recentified assemples falling intent PSSE AM to TE-5 AM class respectively unless water valuable magnesium testing is undertaken to prove otherwise.



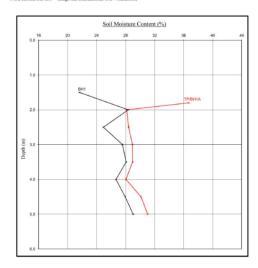
Version: 5BH V1 - 11.11.20

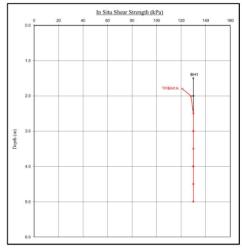
Moisture Content Profiles

Shear Strength Profiles

Our Ref :
Location :
47B, Greencroft Gardens, London
Work carried out for: Sedgwick International UK - Maidstone

Date Sampled : 09/11&15/12/20
Date Received : 10/11&17/12/20
Date Tested : 10/11&17/12/20
Date of Report : 18/11&29/12/20





Note

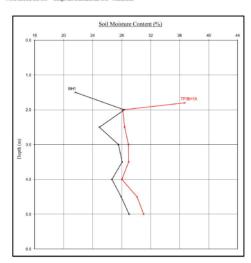
1. Unless otherwise stated, values of Shear Strength were determined in situ by CET using a Pilcon Hand Vane the calibration of which is limited to a maximum reading of 130 kPa.

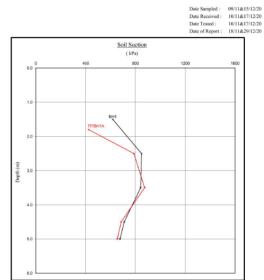
2. Unless specifically noted the profiles have not been related to a site datum.

Moisture Content Profiles

Soil Suction Profiles

Our Ref :
Location : 47B, Greeneroft Gardens, London
Work carried out for: Sedgwick International UK - Maidstone





Notes

I. If plotted, 0.4 LL and PL+2 (after Driscoll, 1983) should only be applied to London Clay (and similarly overconsolidated clay) at shallow depths.

Note
When shown, the theoretical equilibrium suction profiles are based on conventional assumptions associated with London Clay (and similarly overcomodulated clays) at shallow depths. Note that the sample distantance compounts in depochation on the rended of sampling and any subsequent recompanies. The above piets above this to be 10024 which is the value suggested by the Biffs on the bost of the filling almost of effects on recordered samples. This may or may not be appropriate in this intrance and judgment should be correlated.

| EPSL European Plant Science Laboratory | Sheet: Date: | 1 of 1 | Site: 47B Greencroft Gardens, Work carried out for: Sedgwick International UK |
|---|--------------|--------|--|
| | | | |

Certificate of Analysis

The following work was commissioned by CET on behalf of their client. Root samples were obtained in scaled packets from the above site with no reference given as to the types of tree or shrub from which they may have originated.

The results were as follows -

| Trial pit/ | Root diameter | Tree, shrub or climber | Result of |
|---------------|---------------|----------------------------|-------------|
| Borehole | (<u>mm</u>) | from which root originates | starch test |
| <u>number</u> | | | |
| DIII (0.2.2.) | | · | |
| BH1 (2-3.2m) | 2 mm | Leguminosae spp. | Positive |
| | | 2 roots | |

Leguminosae spp. include laburnum, Robinia (false acacia or locust), broom, the pagoda tree and the climber wisteria.



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European Plant Science Laboratory

Sheet: 1 of 1

> 47B Greencroft Gardens, Site:

Date: 23/12/2020 Work carried

Sedgwick International UK out for:

Certificate of Analysis

The following work was commissioned by CET on behalf of their client. Root samples were obtained in sealed packets from the above site with no reference given as to the types of tree or shrub from which they may have originated. The results were as follows -

| Trial pit/ Borehole <u>number</u> | Root diameter (<u>mm</u>) | Tree, shrub or climber from which root originates | Result of starch test |
|---|--------------------------------|---|-----------------------|
| TP1A (USF) | 1 mm | Leguminosae spp. 2 roots | Positive |
| TP1A (USF) | <1 mm | Pomoideae gp. | Positive |
| BH1A (to 3.3m) | 3 mm | Pomoideae gp. | Positive |

Leguminosae spp. include laburnum, Robinia (false acacia or locust), broom, the pagoda tree and the climber wisteria. Pomoideae gp include apple, cotoneaster, hawthorn, pear, pyracantha, quince, rowan, snowy mespil and whitebeam.



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