

## SITE INVESTIGATION FACTUAL REPORT

Report No: SI-542609  
Client: Crawford Claims Management  
Site: 6 Nicholas Way  
Hillingdon  
Client Ref: SU2205005  
Date of Visit: 19/12/2022



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

Unit E2 First Floor Suite, Boundary Court  
Willow Farm Business Park, Castle Donington  
Leicestershire, DE74 2NN

☎ 0843 2272362  
✉ enquiries@cet-uk.com  
🌐 www.cet-uk.com

CET is the trading name of CET Structures Ltd  
Registered in England No. 02527130

# Investigation Layout Plan

Sheet: 1 of 1

Job No: 542609

Date: 19/12/2022

Site: 6 Nicholas way

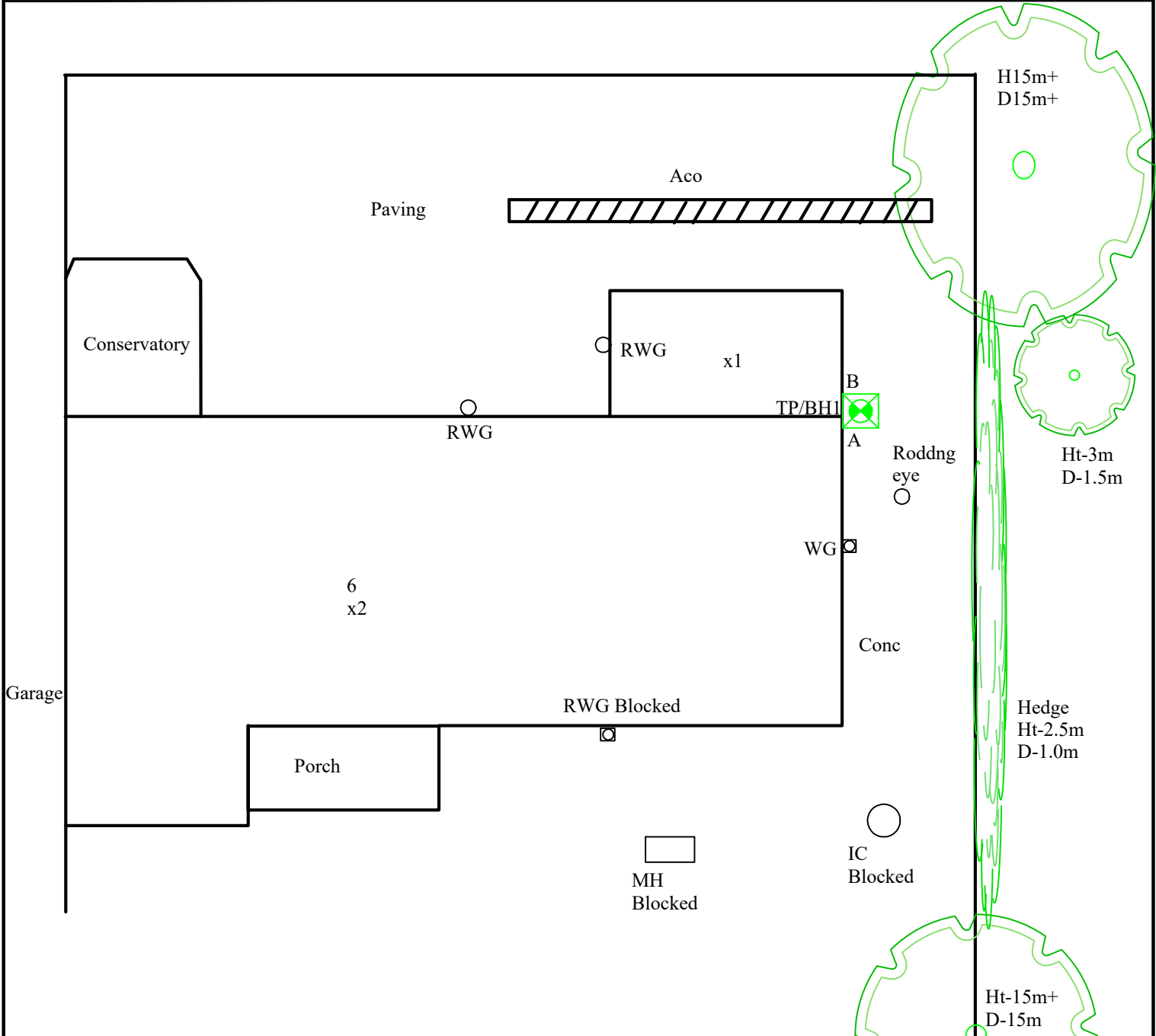
Work carried out for: Crawford Claims

DWS  
(SI)

SA  
(Checked)

DW  
(Drawn)

Weather: Dry



ON SITE TREE IDENTIFICATION FOR GUIDANCE ONLY. NOT AUTHENTICATED.

Remarks:

Key:

- Combined Gully RWWG
- Manhole MH
- Rain Water Pipe RWP
- Rain Water Gully RWG
- Soil Vent Pipe SVP
- Waste Gully WG
- Waste Pipe WP

Surface Water Drain

Foul Water Drain

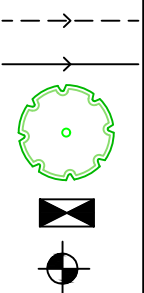
Tree / Bush

(approx. ht in m)

Trial Pit

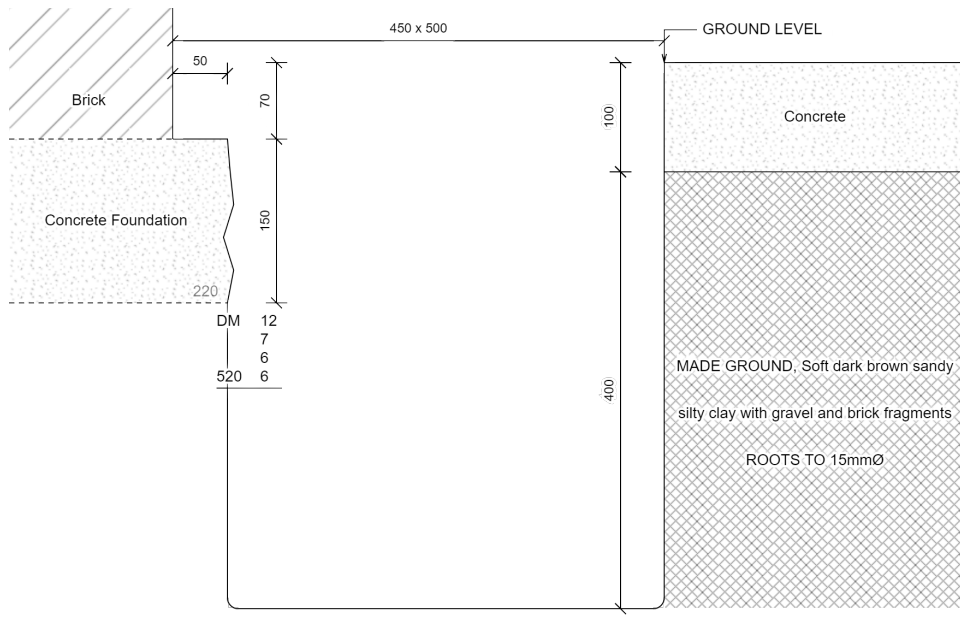
Borehole

O/D - Open Discharge



Scale: N.T.S.

**TEST REPORT:** Trial Pit  
**REPORT NUMBER:** C1071973 / 229932.1.1.2  
**TRIAL PIT REF:** TP1B **DATE:** 09/01/2023  
**CLIENT:** Crawford & Co **SITE:** 6 Nicholas Way  
**JOB NO:** 542609 **WEATHER:** Dry  
**EXCAVATION METHOD:** Hand tools



Trial pit ends at 500mm

**Key:**

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:**

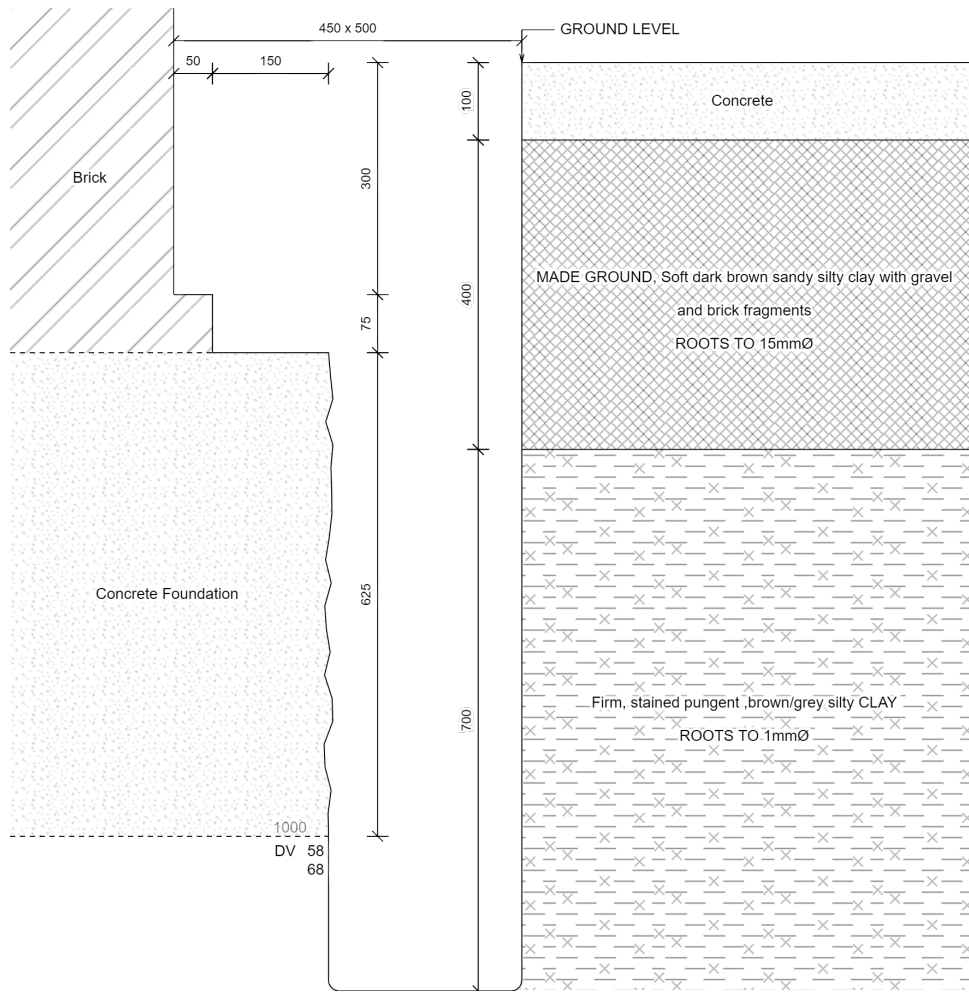
Test results reported relate only to the items tested.  
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 Opinions and interpretations expressed herein are outside the scope of UKAS Accreditation.  
 The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

For and on behalf of CTS  
 Scott Alger - Lab



Approved Signatory  
 Report date 09-Jan-23

**TEST REPORT:** Trial Pit  
**REPORT NUMBER:** C1071973 / 229932.1.1.1  
**TRIAL PIT REF:** TP1 **DATE:** 09/01/2023  
**CLIENT:** Crawford & Co **SITE:** 6 Nicholas Way  
**JOB NO:** 542609 **WEATHER:** Dry  
**EXCAVATION METHOD:** Hand tools



For Strata below 1200mm see Bore Hole log

Water strike at 375mm, standing water level on completion at 375mm. Unable to avoid water ingress.

**Key:**  
 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 CTS  
 Scott Alger - Lab



Approved Signatory  
 Report date 09-Jan-23

<b>Borehole</b>		<b>1</b>		Sheet:	1 of 1	Site:	6 NICHOLAS WAY			
				Job No:	542609					
				Date:	19/12/2022					
Boring Method:	Hand Auger			Ground Level:		Client:	CRAWFORD			
Diameter (mm):	75	Weather:	dry							
Depth	Soil Description					Thickness	Legend	Samples and Tests		
(m)								Depth	Type	Result
0.00	See Trial Pit					1.20				
1.20	Firm stained, pungent brown-grey silty CLAY					0.20	x — x x — x			
1.40	End of BH									
Remarks:						Key:			To	Max
BH ends at 1.4m, unable to extract samples through water. Water Strike in trial pit at 375mm, BH open with standing water level at 1.2m on completion.						D - Disturbed Sample			Depth	Dia
						B - Bulk Sample			(m)	(mm)
						W - Water Sample			1.40	1
						J - Jar Sample				
						V - Pilcon Shear Vane (kPa)				
						M - Mackintosh Probe			1.20	
						TDTD - Too Dense To Drive				
Logged:	SP	AM	Checked:	Approved:	Version	V1.0 28/01/16		N.T.S.		



## SITE INVESTIGATION LABORATORY TEST REPORT

SI REPORT NUMBER: 542609

CLIENT : CET Property Assurance (Crawford Claims Management)

SITE:  
6 Nicholas Way  
Northwood  
HA6 2TS

DATE OF SITE VISIT:  
19/12/2022

DATE RECEIVED BY LABORATORY:  
03/01/2023

M. Winn  
Compiled by : .....  
M. Winn - Senior Laboratory Technician

C. Major  
Approved by : .....  
C. Major - Laboratory Manager

DATE REPORTED: 24-Jan-2023

# Laboratory Summary Results

Our Ref : 542609  
 Location : 6 Nicholas Way, Northwood, HA6 2TS  
 Client : CET Property Assurance (Crawford Claims Management)  
 Address : Unit 4, Boundary Court, Willow Farm Business Park, Castle Donington, DE74 2NN

Date Sampled: 19/12/2022  
 Date Received : 03/01/2023  
 Date Tested : 18/01/2023  
 Date of Report : 24/01/2023

Sample Ref		Type	Moisture Content (%) [1]	Soil Fraction > 0.425mm (%) [2]	Liquid Limit (%) [3]	Plastic Limit (%) [4]	Plasticity Index (%) [5]	Liquidity * Index [5]	Modified * Plasticity Index (%) [6]	Soil * Class [7]	Filter Paper Contact Time (d)	Soil Sample Suction (kPa) [8]	Oedometer Strain [9]	Estimated * Heave Potential (Dd) (mm)[10]	In situ * Shear Vane Strength (kPa) [11]	Organic * Content (%) [12]	pH * Value [13]	Sulphate Content * (g/l)		* Class [16]
TP/BH No	Depth (m)																	SO3 [14]	SO4 [15]	
1B	U/S 0.22	D	42	<5	78	26	52	0.31	52	CV										
1A	1.0	D	49	<5	73	32	41	0.41	41	CV										

**Test Methods / Notes**

- [1] BS 1377 : Part 2 : 1990, Test No 3.2
- [2] Estimated if <5%, otherwise measured
- [3] BS 1377 : Part 2 : 1990, Test No 4.4
- [4] BS 1377 : Part 2 : 1990, Test No 5.3
- [5] BS 1377 : Part 2 : 1990, Test No 5.4
- [6] BRE Digest 240 : 1993
- [7] BS 5930 : 2018 : Figure 8 - Plasticity Chart for the classification of fine soils

[8] Building Research Establishment Information Paper 4/93

- [9] In Accordance with BS 1377-5 : 1990 : Clause 3
- [10] Estimated Heave Potential (Dd)
- [11] Values of shear strength were determined in situ by CTS using a Pilcon hand vane or Geonor vane (GV).
- [12] BS 1377 : Part 3 : 1990, Test No 4
- [13] BS 1377 : Part 3 : 1990, Test No 9
- [14] BS 1377 : Part 3 : 1990, Test No 5.6
- [15]  $SO_4 = 1.2 \times SO_3$

[16] BRE Special Digest One (Concrete in Aggressive Ground) August 2005

Note that if the SO4 content falls into the DS-4 or DS-5 class, it would be prudent to consider the sample as falling into the DS-4M or DS-5M class respectively unless water soluble magnesium testing is undertaken to prove otherwise.  
 PSD Chart - BS 1377: Part 2 : 1990, Test No 9.2

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

**Key**

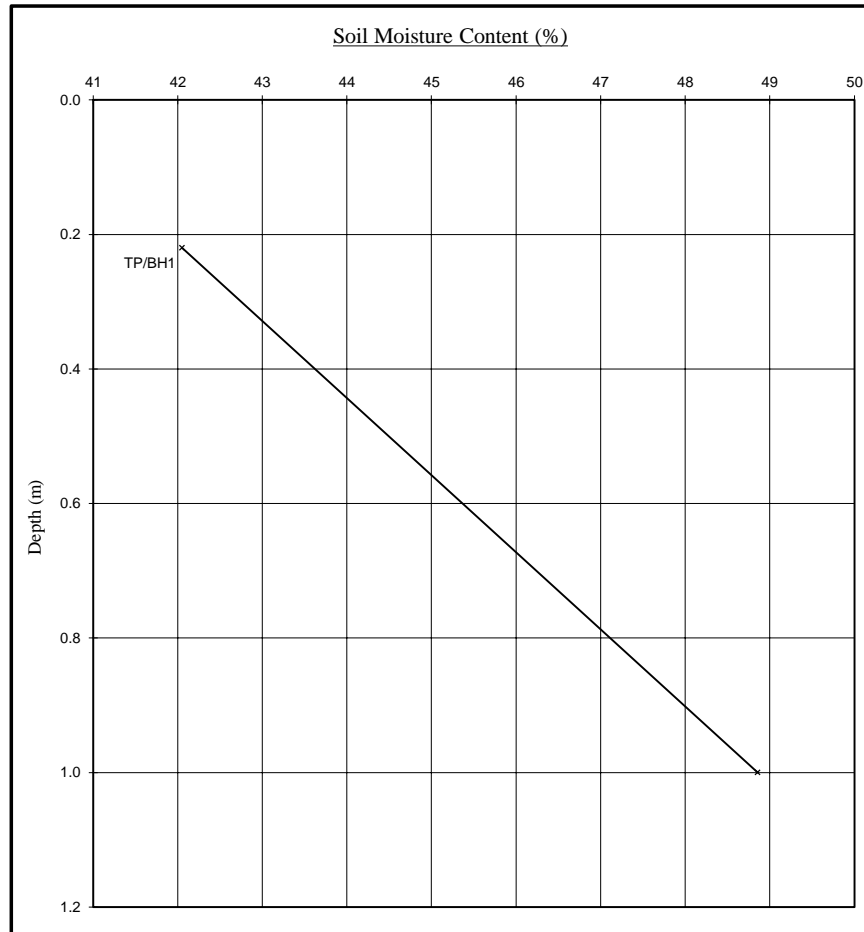
- D Disturbed sample ( small )
- B Disturbed sample ( bulk )
- U Undisturbed sample
- W Groundwater sample
- ENP Essentially Non-Plastic by inspection
- U/S Underside of Foundation

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# Moisture Content Profiles

Our Ref : 542609  
Location : 6 Nicholas Way, Northwood, HA6 2TS  
Work carried out for: CET Property Assurance (Crawford Claims Management)



## Notes

1. 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.
2. Unless specifically noted the profiles have not been related to a site datum.

Construction Testing Solutions  
4 Oak Spinney Park  
Ratby Lane  
Leicester Forest East  
Leicestershire  
LE3 3AW

Intec  
Parc Menai, Bangor,  
Gwynedd, North Wales  
LL57 4FG  
Tel: 01248 672652  
Fax: 01248 672601

# ROOT IDENTIFICATION

**6 Nicholas Way,**

Client Reference: 542609  
Report Date: 10 January 2023  
Our Ref: R49815

Sub Sample	Species Identified		Root Diameter	Starch
<b>TP1A:</b>				
USF	broadleaved species, too decayed for positive identification	1	1.5 mm	Absent
<b>TP1B:</b>				
USF	unidentified broadleaved species.	2	10 mm	Absent
<b>BH1:</b>				
to 1.4m	broadleaved species, too decayed for positive identification	1	<1 mm	Absent

**Comments:**

1 - Very rotted.

**2 - It would be possible to include/discount species from the list of possibilities. Please contact the laboratory with a list of species on site if this would be useful.**

**Signed:** M D Mitchell

Unless we are otherwise instructed in writing, the above sample material will normally be disposed of 6 years after the date of this report.



<b>Water Mains Test</b>	Sheet:		Site:	
	Job No:	542609		6 NICHOLAS WAY
	Date:	19/12/22	Client:	CRAWFORD CLAIMS

Test	Start Time	Gauge Pressure (bar)		
		0 mins	5 mins	10 mins

If pressure drops before 5 minute test complete, advise time:

Test	Start Time	Gauge Pressure (bar)		
		0 mins	5 mins	10 mins

If pressure drops before 5 minute test complete, advise time:

Test	Start Time	Gauge Pressure (bar)		
		0 mins	5 mins	10 mins

If pressure drops before 5 minute test complete, advise time:

Listening Stick Water Mains Test

Period listening test carried out with all available water services within property switched off:

Any indication of leak detected by way of sound with stick placed on stop cock:

When taps are used, toilets flushed or any other water demand appliance used is there a noticeable flushing noise heard from the listening stick:

Photos Taken of Property

Front

Side

Rear

Internal Floor Coverings and Location of Stopcock

Reason for No External Photos:

Reason for No Internal Photos:

Information Notes

A site plan with external and internal stopcocks is required - also ground surfaces and assumed route of water main.

Water main stop cocks that appear to be seized or in an un-serviceable condition, are not to be forced to complete test, - a listening stick is to be used.

Remarks:

Logged:	sp	Checked:		Approved:	
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