

**CCTV REPORT FOR: 2 CONVENT AVENUE  
SOUTH KIRKBY  
PONTEFRACT  
WEST YORKSHIRE  
WF9 3NX**

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LIMITATION OF REPORT



**Client:** 360GlobalNet  
Regus House  
Herald Way  
Pegasus Business Park  
Castle Donnington  
DE74 2TZ

**Insured:** Miss Claire Hibbert  
**Reference:** DLG-SN-21-003542 Ins Ref: 079598843

**Site Visit:** 04-Nov-21  
**Report Date:** 24-Nov-21

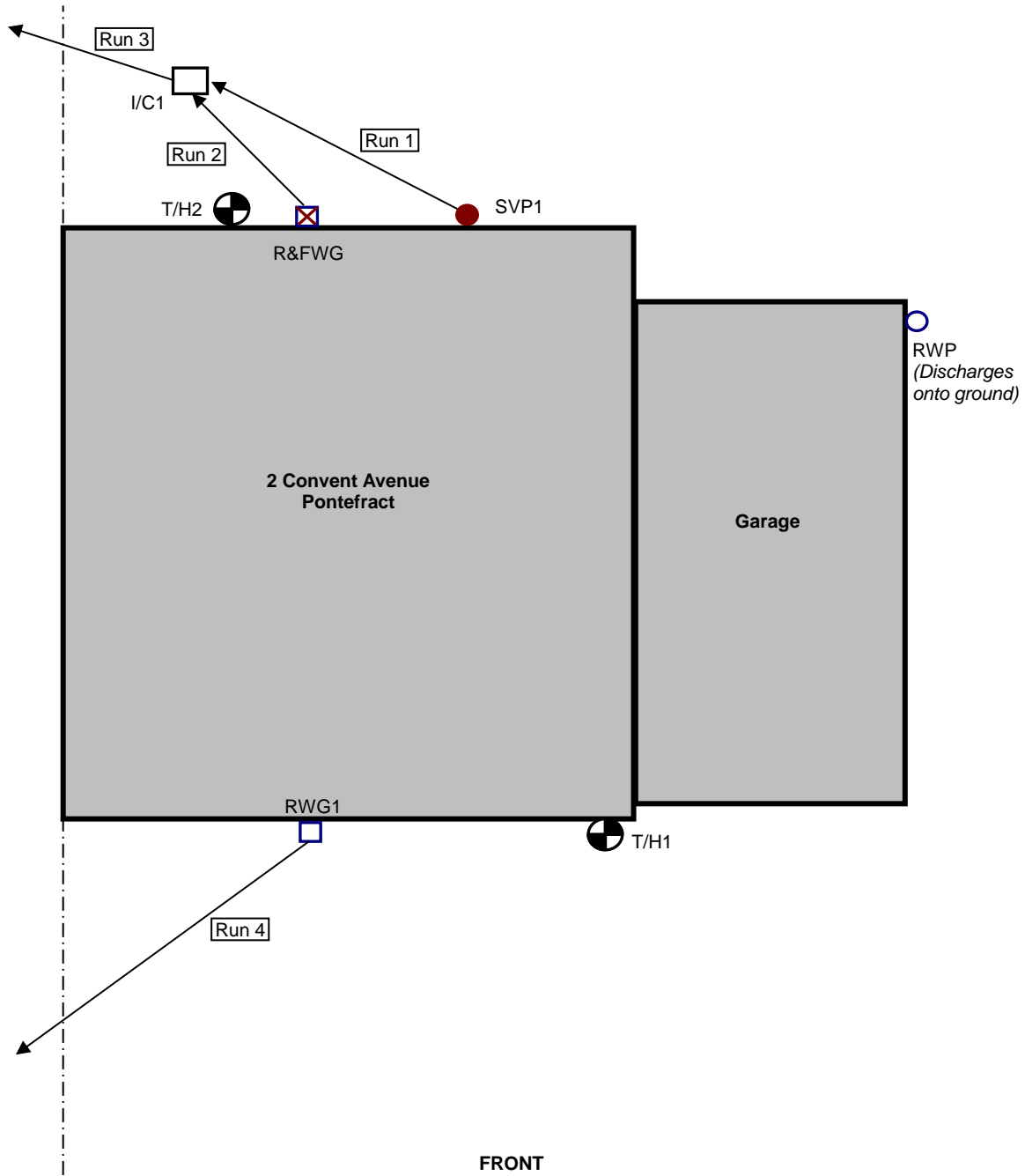


**Drainage**  
Repair Company

# SITE AND DRAINAGE LAYOUT

Site Crew: DJ

Date: 04-Nov-21



(This plan is not to be scaled and is provided to illustrate general layout only)

General Comments:

**Note: Runs shown in red have been adopted by the local water authority.**

- Key:**
- = Storm Gully
  - = Storm Pipe
  - = Foul Gully
  - = W/C or Soil Pipe
  - = Inspection Chamber
  - = Rodding Eye
  - = Surveyed pipe indicating flow
  - - - - - = Unsurveyed pipe
  - = Exploratory Hole (hand dug pit and/or hand auger)
  - = Boundary line
  - = Hedges & Shrubs
  - = Trees & bushes
  - = Area of damage

Address: **2 CONVENT AVENUE , SOUTH KIRKBY, PONTEFRACT, WEST YORKSHIRE, WF9 3NX**



**Drainage**  
Repair Company  
**CCTV SURVEY DETAILS**

Site Crew: DJ Date: 04-Nov-21

**RUN: 1** Pipe Dia. (mm): 100 System: Foul Water Made of: Glazed Clay  
From: I/C1 Inv (m): 0.60 Upstream To: SVP1 Inv (m): N/a

Metres	Faults / Defects	Remarks
0.00		At I/C1
1.60	Medium Displaced Joint	
2.30	Medium Displaced Joint	
2.90	Displaced Joint + Medium Open Joint	At SVP1
		End of survey

**RUN: 2** Pipe Dia. (mm): 100 System: Foul & Storm Water Made of: Glazed Clay  
From: I/C1 Inv (m): 0.60 Upstream To: R&FWG1 Inv (m): N/a

Metres	Faults / Defects	Remarks
0.00		At I/C1
0.20	Medium Displaced Joint	
1.70	Medium Displaced Joint	At R&FWG1
		End of survey

**RUN: 3** Pipe Dia. (mm): 100 System: Foul Water Made of: Glazed Clay  
From: I/C1 Inv (m): 0.60 Downstream To: Unknown Inv (m): N/a

Metres	Faults / Defects	Remarks
0.00		At I/C1
0.60	Circumferential Crack 12 to 12 o'clock	
1.90	Circumferential Crack 12 to 12 o'clock	
	Medium Displaced Joint	
4.40		Past area of concern
		End of survey

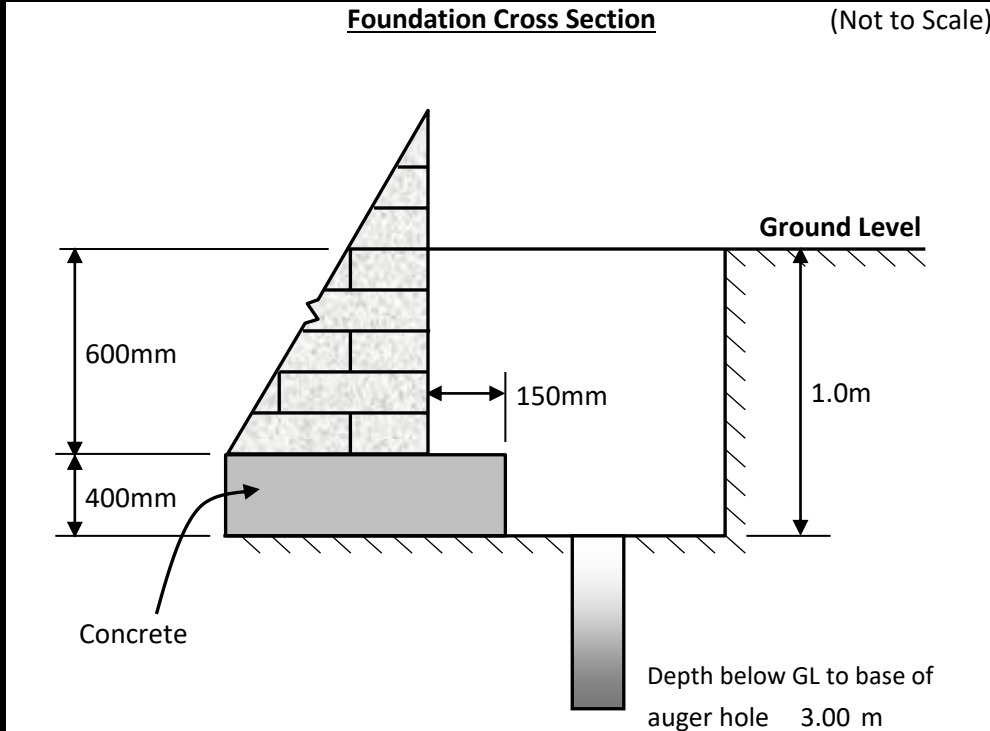
**RUN: 4** Pipe Dia. (mm): 100 System: Storm Water Made of: Glazed Clay  
From: RWG1 Inv (m): N/a Downstream To: Unknown Inv (m): N/a

Metres	Faults / Defects	Remarks
0.00		At RWG1
0.40	Medium Open Joint + Displaced Joint	
	Circumferential Crack 12 to 12 o'clock	
0.80	Displaced Joint + Open Joint	
1.80	Circumferential Crack 12 to 12 o'clock	
	Medium Displaced Joint	
3.40	Displaced Joint + Medium Open Joint	
5.10		Past area of concern
		End of survey

*Defects shown in RED relate to runs adopted by the Local Water Authority*

Address: **2 CONVENT AVENUE , SOUTH KIRKBY, PONTEFRACT, WEST YORKSHIRE, WF9 3NX**

Location: <b>Front elevation</b>	T/H No. <b>1</b>
Ground Surface: <b>Dry</b>	Weather: <b>Dry</b>
	Date: <b>04-Nov-21</b>



Roots Depth & Diameter:
From 1.0m
Down to 2.0m
up to 3mm diameter
Water Depth Hit & Rise:
None observed on site
Reason for Termination :
Encountered obstruction
Compact sand

Depth (m)	Soil Descriptions <i>(NB: Field crew description only)</i>	Test Type	Depth (m)	
			From	To
G.L.				
1.00	Stiff brown CLAY	V(n) 72	1.000	
2.00	Stiff brown slightly sandy CLAY	V(n) 75	1.500	
3.00	End of Borehole			

**Photograph**



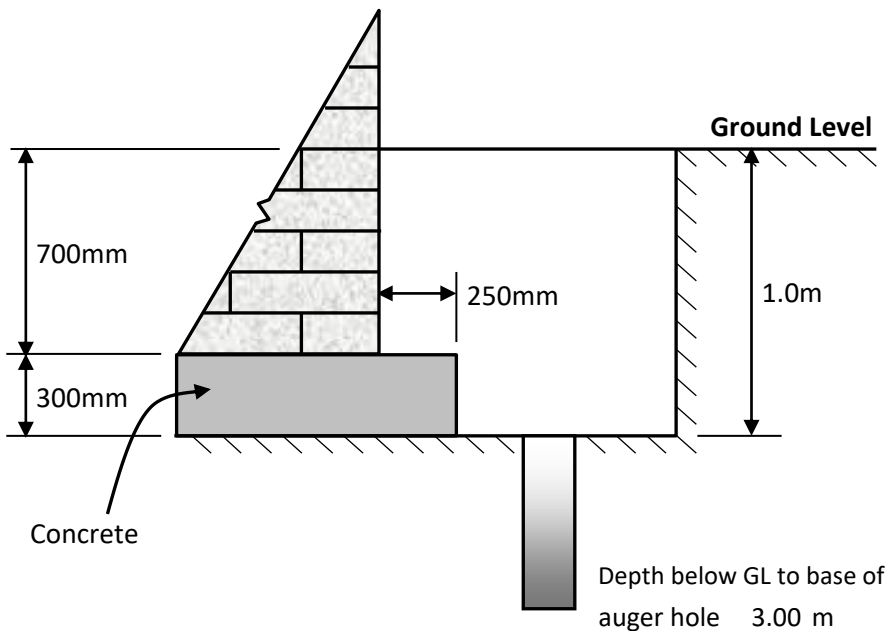
General Comments :

*Key: Mac=Macintosh Probe, V(n)=Natural Shear Vane, P.P. = Pocket Penetrometer*

**Address: 2 CONVENT AVENUE , SOUTH KIRKBY, PONTEFRACT, WEST YORKSHIRE, WF9 3NX**

Location: **Rear elevation** T/H No. **2**  
 Ground Surface: **Dry** Weather: **Dry** Date: **04-Nov-21**


**Foundation Cross Section (Not to Scale)**



Roots Depth & Diameter:  
None observed on site

Water Depth Hit & Rise:  
Hit at 1.8m

Reason for Termination :  
Encountered obstruction  
Compact sand

Depth (m)	Soil Descriptions <i>(NB: Field crew description only)</i>	Test Type	Depth (m)	
			From	To
G.L.				
1.00	Stiff brown mottled grey sandy CLAY	V(n) 47	1.000	
1.50	Stiff brown mottled grey slightly sandy CLAY	V(n) 47	1.500	
3.00	End of Borehole			
<b>Photograph</b>				
				

General Comments :

*Key: Mac=Macintosh Probe, V(n)=Natural Shear Vane, P.P. = Pocket Penetrometer*

## **1.0 EXECUTIVE SUMMARY**

<b>Brief:</b>	The Drainage Repair Company Ltd were commissioned to undertake a CCTV survey / inspection of the drainage at the property.
<b>Specific Area of Interest:</b>	Accessible drainage at the property.
<b>System Access:</b>	I/C1 and RWG1
<b>Visual Survey:</b>	N/A
<b>Water Pressure Test:</b>	Yes - pass, no leak detected

## **2.0 SUMMARY OF FINDINGS**

<b>Defects requiring repair:</b>	Yes
<b>Is any damaged section shared:</b>	N/A
<b>No. of properties sharing:</b>	N/A
<b>Age of property / system:</b>	Unknown
<b>Cause of damage:</b>	N/A

### **3.0 GENERAL SUMMARY**

The results of the CCTV / inspection survey to the underground drainage system at the above address are as follows:

**Run 1 - Foul - Private:**

Medium displaced joints and medium open joint.

**Run 2 - Foul - Private:**

Medium displaced joints.

**Run 3 - Foul - Private:**

Circumferential cracks and medium displaced joint.

**Run 4 - Storm - Private:**

Circumferential cracks, medium displaced joints and medium open joints.

#### **4.0 RECOMMENDATIONS**

We would recommend returning the system to a watertight condition by repairing the defects as follows:

**Run 1:**

Excavate and replace rest bend to SVP1 to allow access for lining.

Carry out high pressure water jetting to prepare pipework for lining. Install a structural liner from I/C1 upstream to SVP1.

**Run 2:**

Excavate and replace FWG1 and remaining pipework downstream to I/C1.

**Run 3:**

Carry out high pressure water jetting to prepare pipework for lining. Install a structural liner from I/C1 downstream for up to 3.0m.

**Run 4:**

Excavate and replace RWG1 allowing for up to 1.0m of pipework downstream.

Carry out high pressure water jetting to prepare pipework for lining. Install a structural liner from excavation downstream for up to 3.0m.



## **5.0 QUOTATION**

### **Run 1:**

- Excavate and replace rest bend to SVP1 to allow access for lining
- Carry out high pressure water jetting to prepare pipework for lining
- Install a structural liner from I/C1 upstream to SVP1
- Backfill excavation, reinstate surface, remove spoil from site

### **Run 2:**

- Excavate and replace FWG1
- Excavate and replace remaining pipework downstream to I/C1
- Backfill excavation, reinstate surface, remove spoil from site

### **Run 3:**

- Carry out high pressure water jetting to prepare pipework for lining
- Install a structural liner from I/C1 downstream for up to 3.0m

### **Run 4:**

- Excavate and replace RWG1 allowing for up to 1.0m of pipework downstream
- Carry out high pressure water jetting to prepare pipework for lining
- Install a structural liner from I/C1 excavation downstream for up to 3.0m
- Backfill excavation, reinstate surface, remove spoil from site



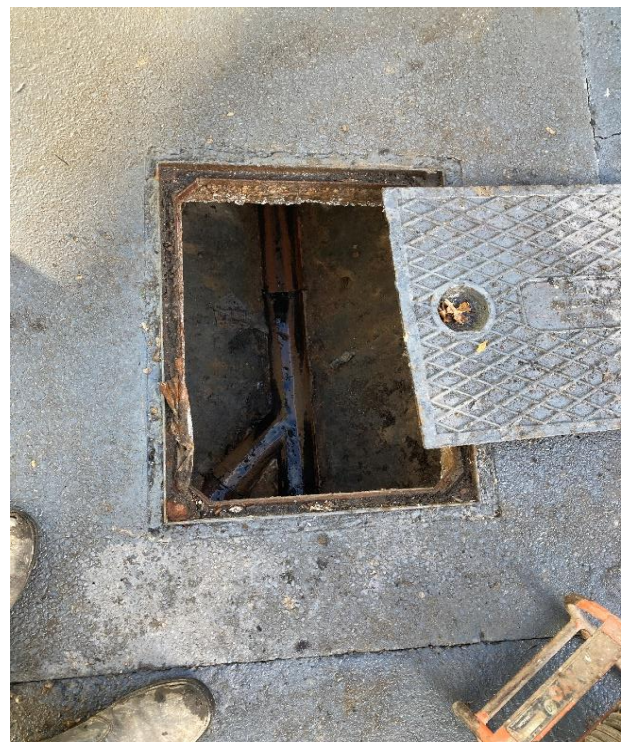
RWG1



FWG1





SVP1



I/C1

**LABORATORY TESTING RESULTS**
**SUMMARY OF LABORATORY SOIL DESCRIPTIONS**

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Description of Sample
TP/BH1			1.00	1.50	Brown CLAY.
TP/BH1			1.50	2.00	Brown CLAY.
TP/BH1			2.00	2.50	Brown slightly sandy CLAY.
TP/BH1			2.50	3.00	Brown slightly sandy CLAY.

	Contract No:
	PSL21/8883
	Client Ref:
2 Convent Avenue, Pontefract, WF9 3NX	
	4043

# SUMMARY OF SOIL CLASSIFICATION TESTS

(BS1377 : PART 2 : 1990)

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Moisture Content % Clause 3.2	Linear Shrinkage % Clause 6.5	Particle Density Mg/m <sup>3</sup> Clause 8.2	Liquid Limit % Clause 4.3/4	Plastic Limit % Clause 5.3	Plasticity Index % Clause 5.4	Passing .425mm %	Remarks
TP/BH1			1.00	1.50	28			74	29	45	100	Very High Plasticity CV
TP/BH1			1.50	2.00	26			71	28	43	100	Very High Plasticity CV
TP/BH1			2.00	2.50	13			57	25	32	100	High Plasticity CH
TP/BH1			2.50	3.00	10			51	24	27	100	High Plasticity CH

SYMBOLS : NP : Non Plastic

\* : Liquid Limit and Plastic Limit Wet Sieved.



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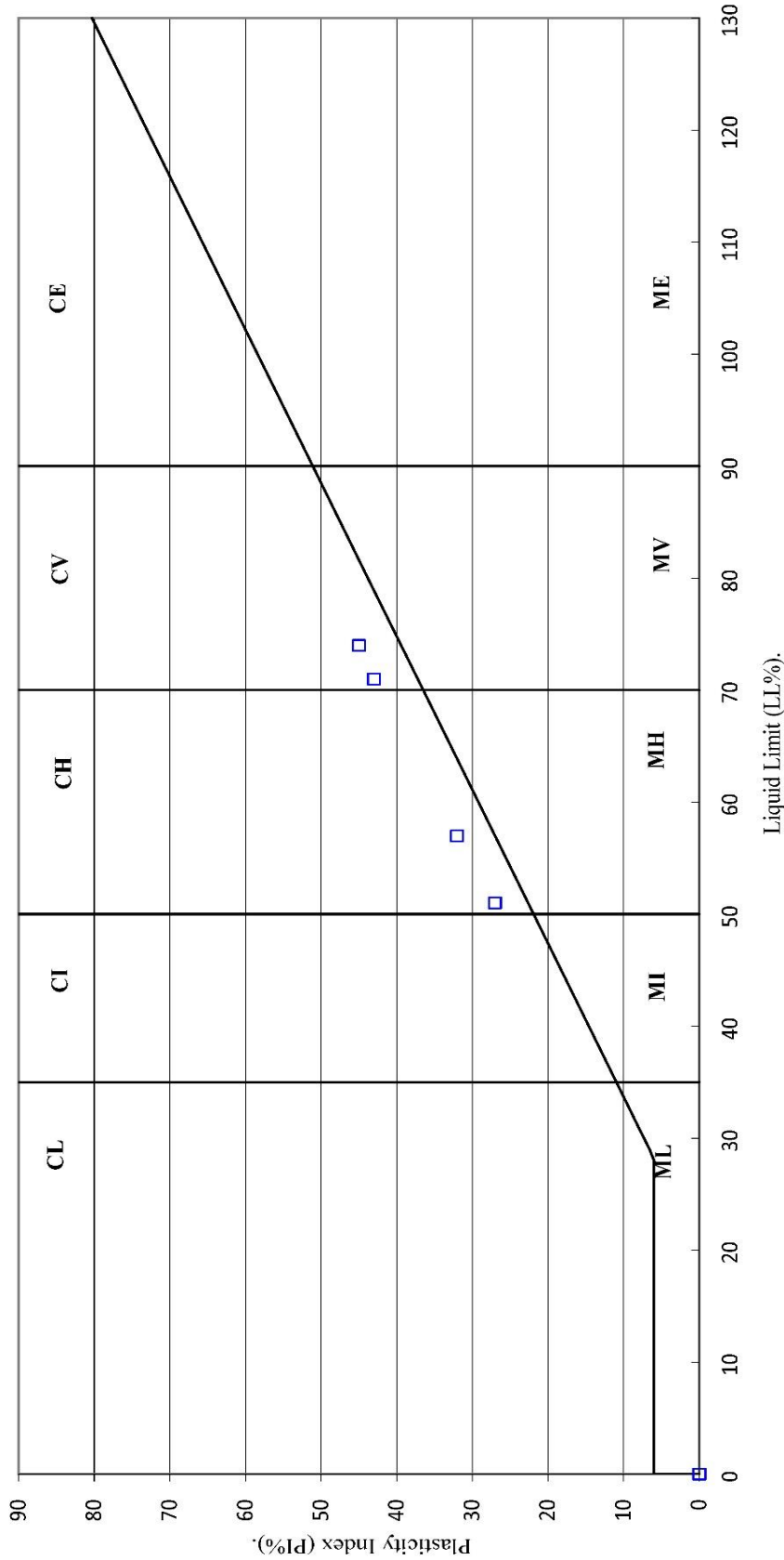
2 Convent Avenue, Pontefract, WF9 3NX

Contract No:	PSL21/8883
Client Ref:	DLG-SN-21-003542



### LABORATORY TESTING RESULTS

## PLASTICITY CHART FOR CASAGRANDE CLASSIFICATION.



Contract No:	PSL21/8883
Client Ref:	DLG-SN-21-003542

2 Convent Avenue, Pontefract, WF9 3NX

**PSL**  
Professional Soils Laboratory  
UKAS TESTING  
4043

**SUMMARY OF LABORATORY SOIL DESCRIPTIONS**

Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Description of Sample
TP/BH2			1.00	1.50	Brown mottled grey sandy CLAY.
TP/BH2			1.50	2.00	Brown mottled grey slightly sandy CLAY.
TP/BH2			2.00	2.50	Brown mottled grey slightly sandy CLAY.
TP/BH2			2.50	3.00	Brown mottled grey slightly sandy CLAY.



2 Convent Avenue, Pontefract, WF9 3NX

**Contract No:**  
PSL21/8883  
**Client Ref:**  
DLG-SN-21-003542


# SUMMARY OF SOIL CLASSIFICATION TESTS

(BS1377 : PART 2 : 1990)

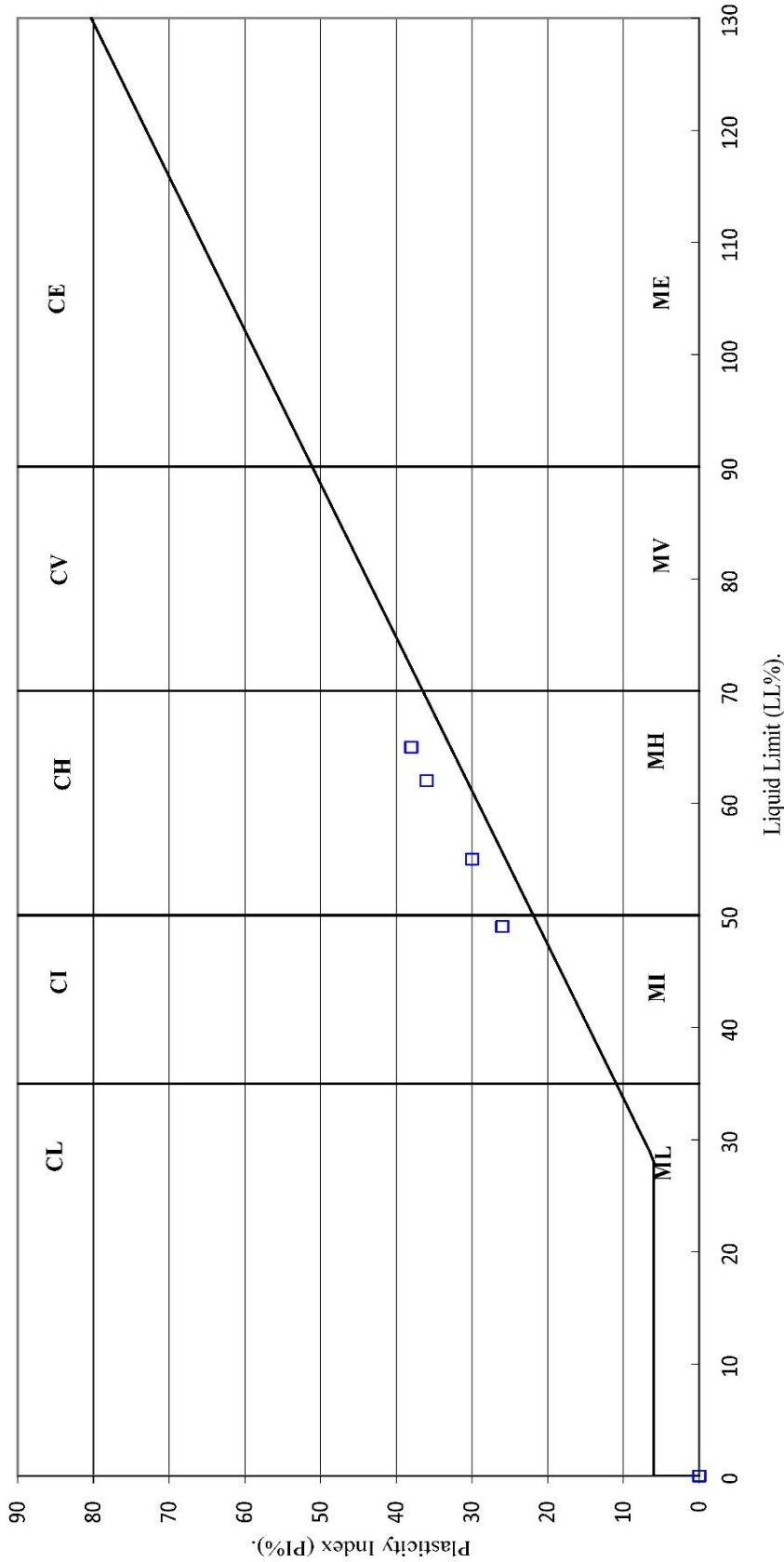
Hole Number	Sample Number	Sample Type	Top Depth m	Base Depth m	Moisture Content % <small>Clause 3.2</small>	Linear Shrinkage % <small>Clause 6.5</small>	Particle Density Mg/m <sup>3</sup> <small>Clause 8.2</small>	Liquid Limit % <small>Clause 4.3/4</small>	Plastic Limit % <small>Clause 5.3</small>	Plasticity Index % <small>Clause 5.4</small>	Passing .425mm %	Remarks
TP/BH2			1.00	1.50	21			49	23	26	100	Intermediate Plasticity CI
TP/BH2			1.50	2.00	22			65	27	38	100	High Plasticity CH
TP/BH2			2.00	2.50	36			62	26	36	100	High Plasticity CH
TP/BH2			2.50	3.00	23			55	25	30	100	High Plasticity CH

SYMBOLS : NP : Non Plastic

\* : Liquid Limit and Plastic Limit Wet Sieved.

 4043	<b>PSL</b> Professional Soils Laboratory	Contract No: PSL21/8883 Client Ref: DLG-SN-21-003542
2 Convent Avenue, Pontefract, WF9 3NX		

**PLASTICITY CHART FOR CASAGRANDE CLASSIFICATION.**



<b>Contract No:</b>	PSL21/8883
<b>Client Ref:</b>	DLG-SN-21-003542

**2 Convent Avenue, Pontefract, WF9 3NX**



**PSL**  
Professional Soils Laboratory



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Root identification  
Vegetation surveys  
Tree/Building investigations  
Plant taxonomy

## Richardson's Botanical Identifications

**The Drainage Repair Company**  
**Suite 15, Leatherline House**  
**71 Narrow Lane**  
**AYLESTONE**  
**Leicester LE2 8NA**

19/11/2021

**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)**

Your ref: **Root ID**

Our ref: **83/1301**

Dear Lisa

**2 Convent Avenue WF9 3NX**

The samples you sent in relation to the above on 08/11/2021 have been examined. Their structures were referable as follows:

TP/BH1, 1-2m		
7 no.	Examined root: QUERCUS (Oak).	Alive, recently*.
1 no.	A piece of BARK only, insufficient material for identification.	

Click here for more information: [QUERCUS](#)

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

Yours sincerely



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) \*\*

Identified with no information on vegetation, on or off site.

Report commissioned by



We were commissioned to carry out an inspection of the accessible areas of the drainage to the property, identifying any major defects and recommending any repair works that may be necessary. It should be appreciated that the exact layout of the system cannot be confirmed without the exposure of inaccessible branches and connections etc.

The lack of any significant defects within the main drainage line should not be regarded as a guarantee of water tightness. Defects may be encountered upon exposure of inaccessible branches and gullies etc.

The contents of this report are strictly confined to comments concerning those terms outlined above. It is not a structural survey and must not be construed as such.

The views expressed in this report are based entirely upon a visual examination of the drainage, supported by information obtained from a CCTV inspection / water pressure test.