



SITE INVESTIGATION REPORT

REPORT NUMBER	GHG1046
CLIENT	GHG SOLUTIONS LIMITED
SITE ADDRESS	3 CORONATION ROAD PO7 7FA S2518361
DATE OF VISIT	19/01/2026
DATE REPORTED	12/02/2026

Investigation Layout Plan

AM
(Drawn)

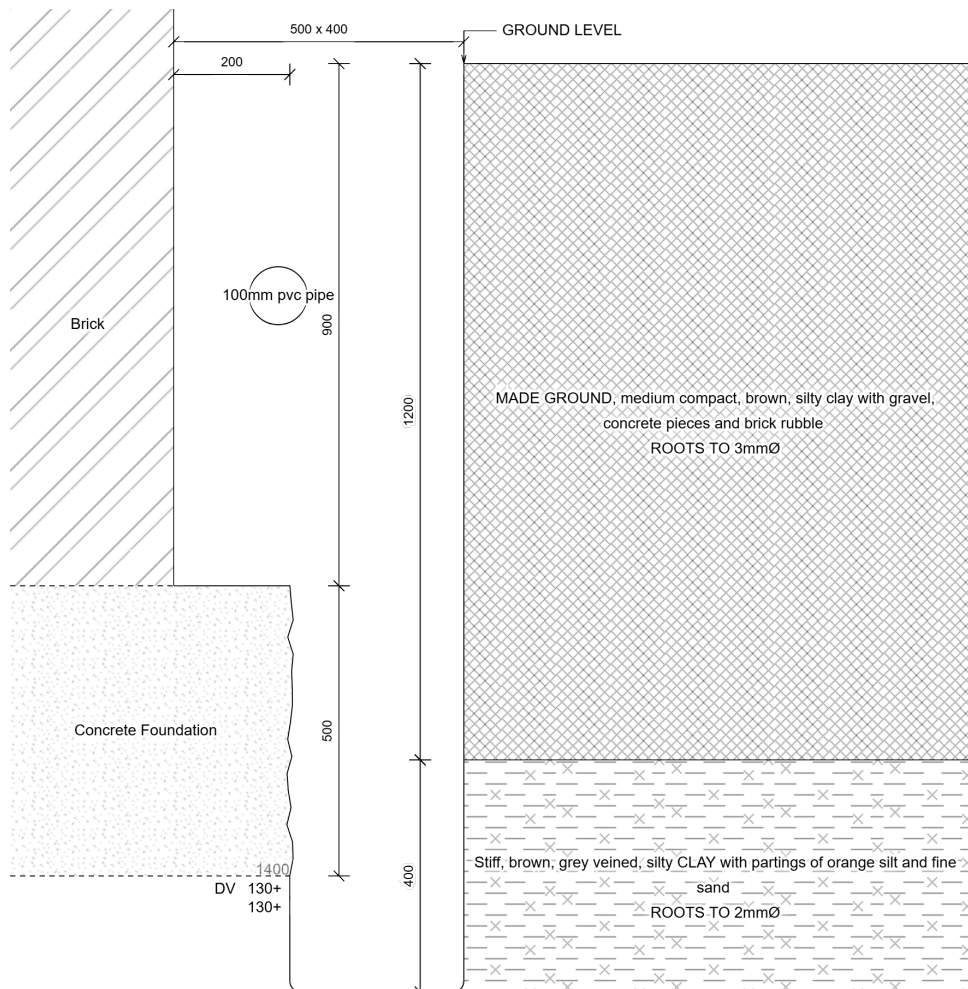
The site plan illustrates the layout of the proposed water treatment facility. Key features include:

- Grass:** A strip of grass is located along the top boundary of the site.
- Steps:** A set of steps leading up is situated near the top center.
- Slabs:** Multiple rectangular slabs are shown, including a large central area labeled "SLABS" and several smaller ones along the right boundary.
- ACO Drain:** A horizontal line representing an ACO drain runs across the middle of the site.
- RWP - O/D INTO ACO:** A point labeled "RWP - O/D INTO ACO" is located on the left side of the ACO drain.
- TP/BH1:** A point labeled "TP/BH1" is located on the right side of the ACO drain.
- RWP 1:** A point labeled "RWP 1" is located on the right side of the ACO drain, below TP/BH1.
- GATE:** A gate is located on the right side of the site, near the bottom.
- SLABS OVER SOIL:** A label with an arrow pointing to a slab on the right side of the site.
- Units:** Several units are shown, including "No 3 x 2" and "No 5 x 2".
- Flow Path:** A blue dashed line with arrows indicates a flow path starting from the top right, passing through a gate, and ending near the bottom right.

Scale: N.T.S.

REPORT NUMBER: C5017846 / 389121.1.1.1
TRIAL PIT REF: TP1
CLIENT: GHG SOLUTIONS LIMITED
JOB NO: GHG1046
EXCAVATION METHOD: Hand tools

DATE: 19/01/2026
SITE: 3 CORONATION ROAD
WEATHER: Wet



For Strata below 1600mm see Bore Hole log

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.
This report shall not be reproduced except in full without approval of the Laboratory.
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
Adam Mason - Quality Control

Approved Signatory
Report date 20-Jan-26

Borehole		1		Sheet:	1 of 1	Site:	3 CORONATION ROAD										
				Job No:	GHG1046												
				Date:	19/01/2026												
Boring Method:		Hand Auger		Ground Level:		Client:	GHG SOLUTIONS LIMITED										
Diameter (mm):		75	Weather:		Wet												
Depth	Soil Description					Thickness	Legend	Samples and Tests									
(m)								Depth	Type	Result							
0.00	See Trial Pit					1.60											
1.60	Stiff, brown, grey veined, silty CLAY with partings of orange silt and fine sand					1.80	x — x										
							x — x										
							x — x										
							x — x										
							x — x										
							x — x										
							x — x	2.00	DV	130+							
							x — x			130+							
							x — x										
							x — x										
							x — x										
							x — x	2.50	DV	130+							
							x — x			130+							
							x — x										
							x — x										
							x — x										
							x — x	3.00	DV	130+							
							x — x			130+							
							3.40	End of BH									
Remarks: BH ends at 3.4m, too dense to hand auger. BH dry and open on completion, no roots observed in BH.					Key: D - Disturbed Sample 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		To	Max									
							Depth	Dia									
							(m)	(mm)									
Logged:	PM	AM	Checked:	Approved:	Version	V1.0 28/01/16		N.T.S.									

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

3 Coronation Road,

Client Reference: GHG1046
Report Date: 10 February 2026
Our Ref: R65926

Sub Sample	Species Identified		Root Diameter	Starch
TP1:				
USF	probably <i>Rosa</i> spp.	1	<1 mm	Abundant
USF	probably <i>Populus</i> spp. but possibly <i>Salix</i> spp.	1	<1 mm	Abundant
USF	not a tree or shrub root	2	1.5 mm	Absent

Comments:

- 1 - Rather juvenile root.
- 2 - In a state of decay.

Rosa spp. are roses.

Populus spp. are poplars and aspen; *Salix* spp. are willows.

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.



SITE INVESTIGATION LABORATORY TEST REPORT

SI REPORT NUMBER: GHG1046

CLIENT :
GHG Solutions Ltd

SITE:
3 Coronation Road
Waterlooville
Hampshire
PO7 7FA

DATE OF SITE VISIT:
19/01/2026

DATE RECEIVED BY LABORATORY:
23/01/2026

Approved by :
C Kosma - Project Delivery Supervisor

DATE REPORTED: 9-Feb-2026

The testing on this report has been subcontracted, see Summary for testing
Laboratory details

Laboratory Summary Results

Our Ref : GHG1046
 Location : 3 Coronation Road
 Client: GHG Solutions Ltd
 Address: Barclays House, 20-24 Upper Market Street, Eastleigh, SO50 9FD

Date Sampled: 19/01/2026
 Date Received : 23/01/2026
 Date Tested : 03/02/2026
 Date of Report : 09/02/2026

Sample Ref		Type	#Moisture Content (%) [1]	Modified * Moisture Content (%) [2]	#Soil Fraction > 0.425mm (%) [3]	#Liquid Limit (%) [4]	#Plastic Limit (%) [5]	Plasticity Index (%) [6]	Liquidity Index [6]	Modified * Plasticity Index (%) [7]	Soil * Class [8]	Filter Paper Contact Time (d)	#Soil Sample Suction (kPa) [9]	Estimated * Heave Potential (Dd) (mm)[10]	Organic * Content (%) [11]	In situ * Shear Vane Strength (kPa) [12]	Mackintosh Probes *			
TP/BH No	Depth (m)																(Quantity of blows to travel 75mm) [13]			
1	U/S 1.40	D	27	N/A	<5	66	29	37	-0.05	37	CH			32.1		130				
	2.0	D	26	N/A	<5	64	28	36	-0.05	36	CH			20.6		130				
	2.5	D	26	N/A	<5									19.1		130				
	3.0	D	26	N/A	<5	64	28	36	-0.05	36	CH			14.3		130				
Free surface heave potential over the borehole depth is about 7cm to 10cm																				

Test Methods / Notes

[1] BS 1377 : Part 2 : 1990, Test No 3.2
 [2] Corrected MC % based on % retained over 5% on the 425um sieve
 [3] Estimated if <5%, otherwise measured
 [4] BS 1377 : Part 2 : 1990, Test No 4.4
 [5] BS 1377 : Part 2 : 1990, Test No 5.3
 [6] BS 1377 : Part 2 : 1990, Test No 5.4
 [7] BRE Digest 240 : 1993

[8] BS 5930 : 2018 : Figure 8 - Plasticity Chart for the classification of fine soils
 [9] Building Research Establishment Information Paper 4/93
 [10] Estimated Heave Potential (Based on BRE Digest 412-client provided calculation table)
 [11] BS 1377 : Part 3 : 1990, Test No 4
 [12] Values of shear strength were determined in situ by CTS using a Pilcon hand vane or Geonor vane (GV).

[13] Values of mackintosh probes were determined in situ by CTS

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

* These tests are not UKAS accredited

Full reports can be provided upon request.

Test results reported relate only to the items tested.

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The laboratory does not apply a conformity statement to test reports as standard, unless specifically requested by the customer.

Opinions and interpretations expressed herein are outside of the scope of UKAS accreditation.

These tests have been subcontracted and carried out by

PSL (Part of the Phenna Group)

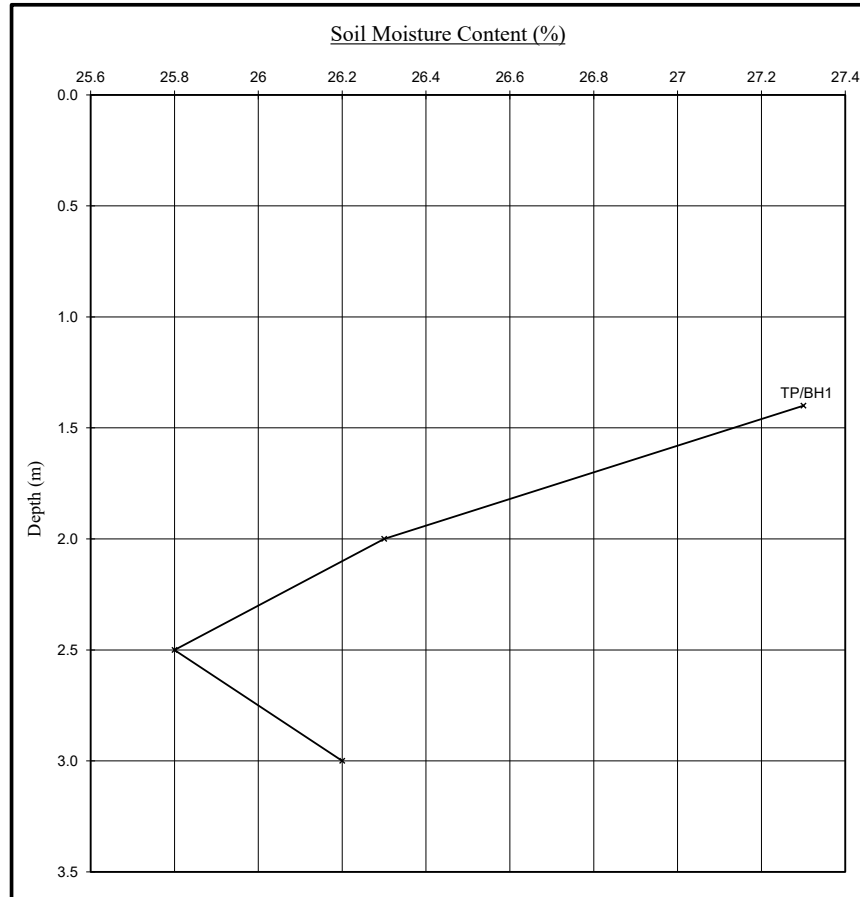


4161

Version: 5BH GHGV1.3 - 23.11.22

Moisture Content Profiles

Our Ref : GHG1046
 Location : 3 Coronation Road
 Work carried out for: GHG Solutions Ltd
 Barclays House, 20-24 Upper Market Street, Eastleigh, SO50 9FD

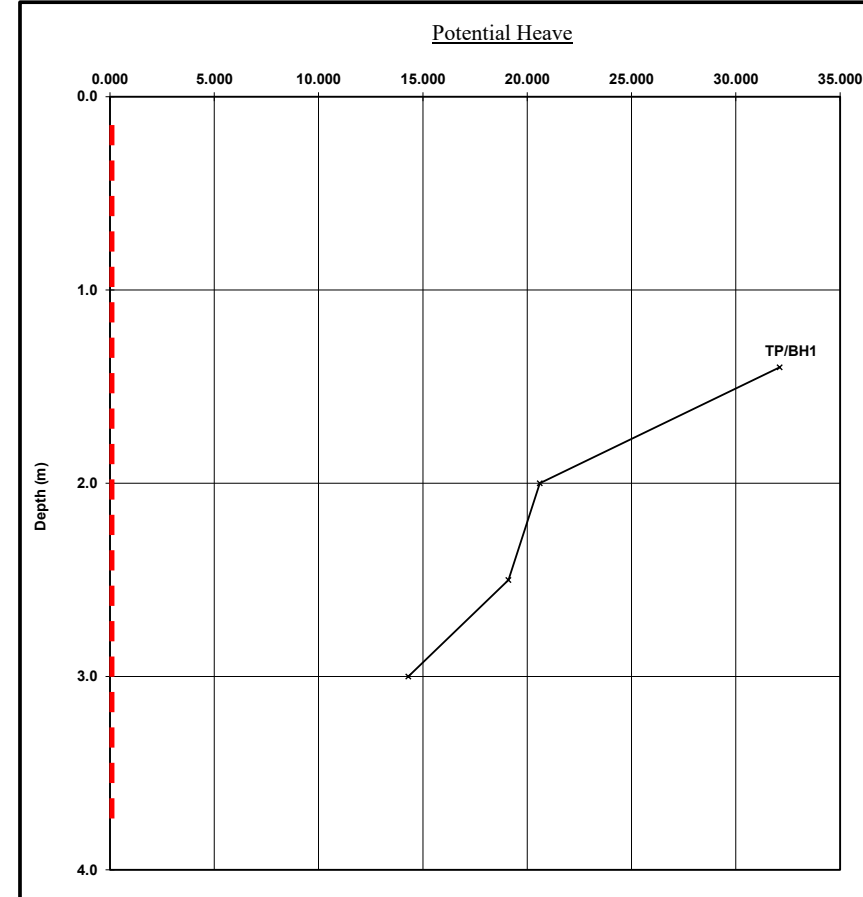


Notes

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.

Potential Heave Profiles

Date Sampled : 19/01/2026
 Date Received : 23/01/2026
 Date Tested : 03/02/2026
 Date of Report : 09/02/2026



--- Remoulding Disturbance

Assumptions

1. Soil Bulk Density (moist unit weight) is equal to 2039kg/m³
2. The water table is assumed as 1.0m below ground level.
3. Shrinkage Factor (sf) of 2 has been applied to the predicted heave, where applicable
4. Any possible surcharge stresses due to construction are not considered

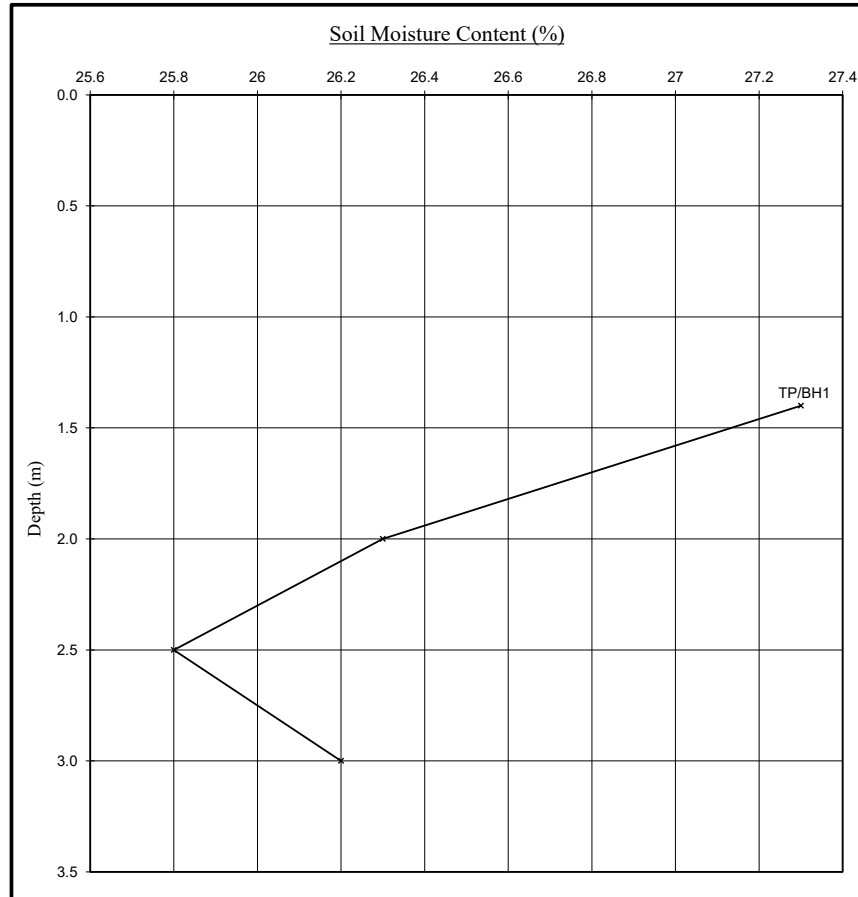
Notes

1. Sample prepared in accordance with BS1377: Part 1: 1990 clause 7.7 at Natural (as received) Moisture
2. Unless specifically noted the profiles have not been related to a site datum.

Moisture Content Profiles

Our Ref : GHG1046
Location : 3 Coronation Road
Work carried out for: GHG Solutions Ltd

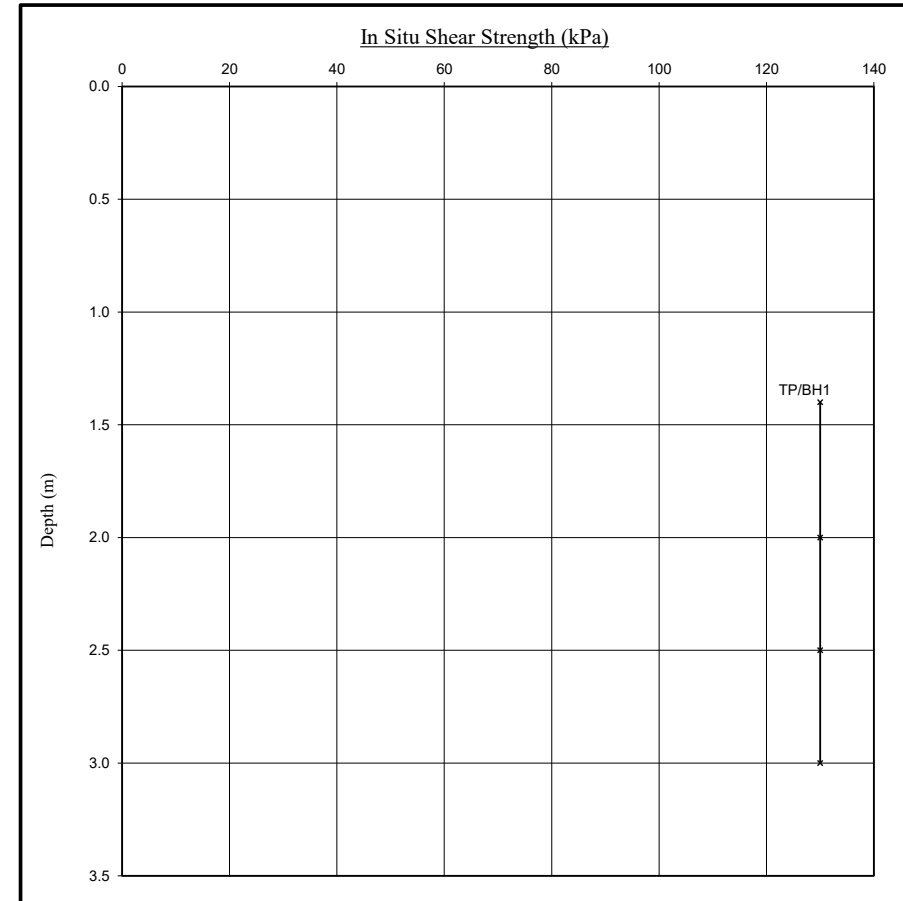
Date Sampled : 19/01/2026
Date Received : 23/01/2026
Date Tested : 03/02/2026
Date of Report : 09/02/2026



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.

Shear Strength Profiles



Note

1. Unless otherwise stated, values of Shear Strength were determined in situ by CTS 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.

Coding Sheet				Sheet:		Site:	3 CORONATION ROAD		
				Job No.:	GHG1046				
				Date:	19/01/2026	Client:	GHG SOLUTIONS		

Run:	1								
From:	ACO DRAIN		Invert Level:		350		Direction:	D/S	
To:	D/S		Invert Level:				Function:	S/W	
Pipe Material:	PVC		Pipe Dia:		100				
Water/Pressure Test:				Drain Break-In:		No		Gully Condition:	
Distance (m)	Code	Clock Ref at to		Dia mm	Intrusion % mm		Shared Run:	No	
							If Shared How:		
0.00	ST						Remarks	Surface Material	Length (m)
0.00	WL				100		Water level	Slate	5.3
0.00	CU						Camera under water		
0.10	LR						Line deviates right		
5.30	SA						Unable to push		
Comments:									

Run:	2								
From:	RWP1		Invert Level:		200		Direction:	D/S	
To:	Boundary		Invert Level:				Function:	S/W	
Pipe Material:	PVC		Pipe Dia:		100				
Water/Pressure Test:				Drain Break-In:		No		Gully Condition:	
Distance (m)	Code	Clock Ref at to		Dia mm	Intrusion % mm		Shared Run:	No	
							If Shared How:		
0.00	ST						Remarks	Surface Material	Length (m)
0.50	GO						off boundary	Slate	0.5
0.90	JN	9	3				Junction at	Off boudary	
1.00	LR						Line deviates right		
5.00	FH						Reached over 3m from damage		
Comments:									

To: GHG

Our Ref: **GHG1046**

Your Ref:

Date: **06-Feb-26**

From:

ESTIMATE

Site:- **3 CoroAtion Road**

Item	Amount
------	--------

No recommendations required to the private drainage surveyed.

Notes Repairs to shared runs and off boundary pipe-work may be the responsibility of the water authority.

Condition Grade

- A - Structurally sound with no leakage evident.
- B - Cracks and fractures observed.
- C - Structurally unsound

Total	£0.00
plus VAT @20%	£0.00
Total + VAT	£0.00

Quotation is binding only if accepted within 28 days from date of issue and is subject to our Standard Terms and Conditions
The price qualification notes, stated on this Schedule of rates, apply to this quotation.
CTS GROUP undertakes to return to site free of charge to carry out remedial work to the drainage repairs set out above for a period of 2 months from the date of this invoice. The company standard charge rates will apply to the visit should the work requested be unrelated to the said repairs.