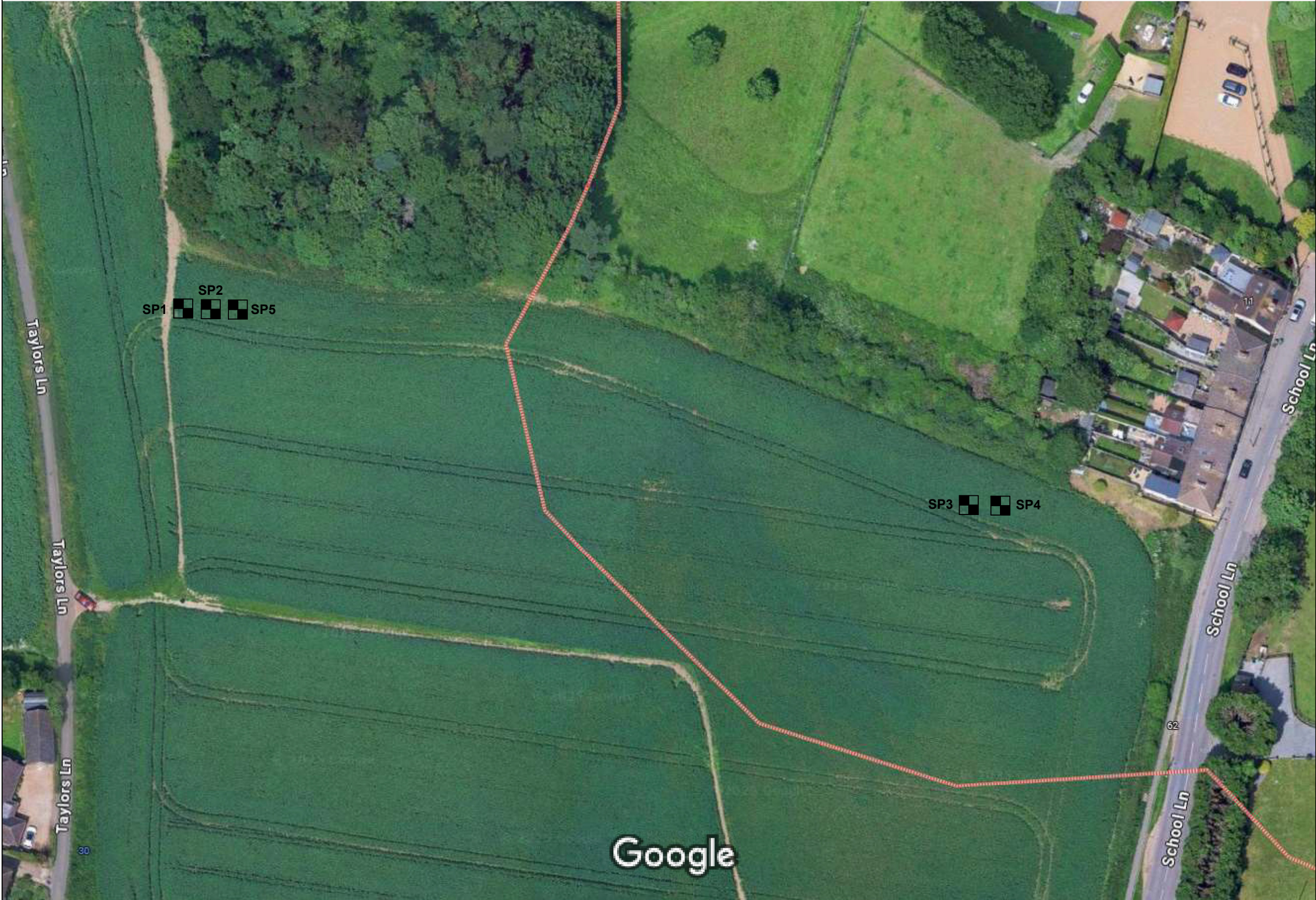


ME3 7HP



- KEY:
- WS - WINDOW SAMPLE
 - BH - BOREHOLE
 - (I) - INSTALLATION
 - TP - TRIAL PIT
 - HDTP - HAND DUG TRIAL PIT
 - SP - SOAKAGE PIT
 - DCP - DYNAMIC CONE PENETRATION
 - DP - DYNAMIC PROBE
 - HA - HAND AUGER
 - PT - PERCOLATION TEST
 - GM - GAS MONITORING STANDPIPE
 - S - SAMPLE LOCATION

CLIENT:
M Scott Properties Ltd

SITE ADDRESS:
Land at School Lane
Higham
ME3 7HP

DRAWING NO.:
Figure 1

DRAWING TITLE:
Exploratory Hole Location Plan

PROJECT NO.:
13561

DATE:
08/2025

DRAWN:
PJ

REVISION:
00

GROUND AND ENVIRONMENTAL
SERVICES (GES) LIMITED
UNIT 2
MONTPELIER BUSINESS PARK
DENCORA WAY
ASHFORD
KENT TN23 4FG
TEL: 01233 646 237



Ground and Environmental Services Limited

Unit 2 Montpelier Business Park,
Dencora Way, Ashford,
Kent TN23 4FG

Tel: 01233 646237

Borehole No. BHA

Sheet: 1 of 3

Equipment & Methods. Dando 150 _Backfill: Arisings				Project Name: School Lane Project Location: Higham Client: M Scott Properties Ltd		Job No: 13561		
Co-ordinates: E: N:				Ground Level (m):		Date Started:12/09/2025 Date Completed:16/09/2025		
Samples and In situ Testing				Field Records	DESCRIPTION	Reduced Level (m)	Legend	Depth (Thick) (m)
Depth (m)	No.	Type	Result					
0.25		D			TOPSOIL: Crop field over brown soil.			(0.40)
0.50		D			Firm light tan and orangey brown silty sandy CLAY with brown clayey sand lenses.	-0.40		0.40
0.75		D						(0.80)
1.00		D						1.20
1.30		D			Medium dense, light tan brown, silty clayey SAND with sandy clay lenses.	-1.20		(0.80)
2.00		D			Medium dense light brown silty fine SAND.	-2.00		2.00
								(2.70)
3.00		D						4.70
4.00		D			Medium dense light tan brown silty SAND.			4.70
5.00		D						(5.10)
6.00		D						
7.00		D			...from 6.50 with orange brown silty clay lenses			
8.00		D			Stiff grey laminated friable very silty CLAY with sand lenses.			9.80
9.00		D						
10.00		D						
Remarks:						Logged By:		Checked By:
						DR		CSS
						Scale: 1:52.5		Approved By:
Notes: For explanation of symbols and abbreviations, see Key Sheet.						FIG No.		.1



Ground and Environmental Services Limited

Unit 2 Montpelier Business Park,
Dencora Way, Ashford,
Kent TN23 4FG

Tel: 01233 646237

Borehole No. BHA

Sheet: 2 of 3

Equipment & Methods. Dando 150 _Backfill: Arisings				Project Name: School Lane Project Location: Higham Client: M Scott Properties Ltd		Job No: 13561		
Co-ordinates: E: N:				Ground Level (m):		Date Started:12/09/2025 Date Completed:16/09/2025		
Samples and In situ Testing				Field Records	DESCRIPTION	Reduced Level (m)	Legend	Depth (Thick) (m)
Depth (m)	No.	Type	Result					
11.00		D						(2.50)
12.00		D			...from 11.50 Boulder flints.			
13.00		D			Very weak white CHALK with occasional large flints.	-12.30		12.30
14.00		D			Weak white CHALK.	-13.70		13.70
15.00		D						
16.00		D						
17.00		D						(6.30)
18.00		D						
19.00		D						
20.00		D				-20.00		20.00
						End of Borehole 20.00 m (Thickness of basal layer not proven)		
Remarks:						Logged By:		Checked By:
						DR		CSS
						Scale: 1:52.5		Approved By:
						FIG No.		.2

Notes: For explanation of symbols and abbreviations, see Key Sheet.



Ground and Environmental Services Limited

Unit 2 Montpelier Business Park,
Dencora Way, Ashford,
Kent TN23 4FG

Tel: 01233 646237

Borehole No. BHA

Sheet: 3 of 3

Equipment & Methods.

Dando 150
_Backfill: Arisings

Project Name: School Lane

Project Location: Higham

Client: M Scott Properties Ltd

Job No:

13561

Co-ordinates:

E:

N:

Ground Level (m):

Date Started:12/09/2025

Date Completed:16/09/2025

Water Level Observations During Boring

Date	Time	Depth of Hole (m)	Depth of Casing (m)	Depth to Water (m)	Remarks
12-9-25	16:00	4.00	4.00	Dry	End of Day 1. Heavy rain. Start of Day 2. End of Day 2. Start of Day 3. End of Borehole. Soakage test carried out att 20m. Hole backfilled and compacted.
15-9-25	08:00	4.00	4.00	Dry	
15-9-25	16:00	12.00	9.00	Dry	
16-9-25	08:00	12.00	9.00	Dry	
16-9-25	16:00	20.00	9.00	Dry	

Hole Diameter by Depth Table

Depth of Hole (m)	Diameter of Hole (mm)	Diameter of Casing (mm)	Depth of Casing (m)
150.00	20	150	9.00

Chiselling Details

From (m)	To (m)	Time Taken (hhmm)	Chiselling Tool Used	Notes
11.50	12.00	00:45	Lightweight chisel	
12.00	12.60	00:30	Lightweight chisel	

Remarks:

Logged By:

DR

Checked By:

CSS

Scale:
1:52.5

Approved By:

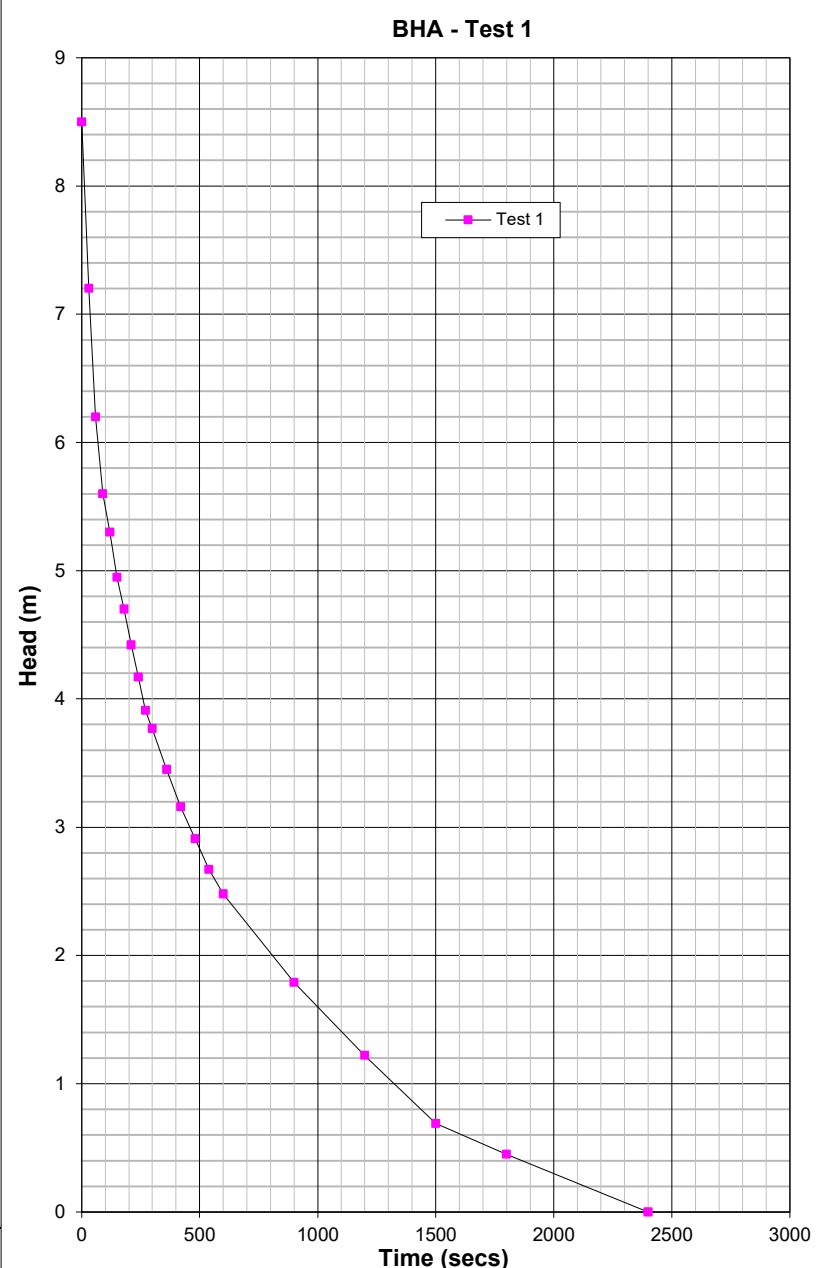
FIG No.

.3

Notes: For explanation of symbols and abbreviations, see Key Sheet.

	Land off School Lane, Higham	BHA			
Top section Bottom section Water Level	12.3 m 20 m DRY m	Centre section Diameter of test section	16.15 m 0.15 m	Diameter of Hole Length of test section	0.15 m 7.7 m

Time (Seconds)	Depth	Head
0	11.5	8.5
30	12.8	7.2
60	13.8	6.2
90	14.4	5.6
120	14.7	5.3
150	15.05	4.95
180	15.3	4.7
210	15.58	4.42
240	15.83	4.17
270	16.09	3.91
300	16.23	3.77
360	16.55	3.45
420	16.84	3.16
480	17.09	2.91
540	17.33	2.67
600	17.52	2.48
900	18.21	1.79
1200	18.78	1.22
1500	19.31	0.69
1800	19.55	0.45
2400	20	0



BHA - Test 1

RAPID SOAKAGE - 1000L of water added in 4min 10 sec at 4L/sec - no constant head possible. Difficult to raise head.

After BS5930:1999 $k(\text{approx}) = 7.28 \times 10^{-4} \text{ m/s}$



Ground and Environmental Services Limited

Unit 2 Montpelier Business Park,
Dencora Way, Ashford,
Kent TN23 4FG

Tel: 01233 646237

Borehole No. BHB

Sheet: 2 of 3

Equipment & Methods. Dando 150 _Backfill: Arisings				Project Name: School Lane Project Location: Higham Client: M Scott Properties Ltd		Job No: 13561		
Co-ordinates: E: N:				Ground Level (m):		Date Started:17/09/2025 Date Completed:17/09/2025		
Samples and In situ Testing				Field Records	DESCRIPTION	Reduced Level (m)	Legend	Depth (Thick) (m)
Depth (m)	No.	Type	Result					
11.00		D						
					Stiff brown sandy laminated CLAY with flints.	-11.50		11.50
12.00		D			...from 11.80 flint boulder			(1.10)
					Weak white CHALK.	-12.60		12.60
13.00		D						
14.00		D						
15.00		D						(5.40)
16.00		D						
17.00		D						
18.00		D				-18.00		18.00
						End of Borehole 18.00 m (Thickness of basal layer not proven)		
Remarks:						Logged By:		Checked By:
						DR		CSS
						Scale: 1:52.5		Approved By:
						FIG No.		.2
Notes: For explanation of symbols and abbreviations, see Key Sheet.								



Ground and Environmental Services Limited

Unit 2 Montpelier Business Park,
Dencora Way, Ashford,
Kent TN23 4FG

Tel: 01233 646237

Borehole No. BHB

Sheet: 3 of 3

Equipment & Methods.

Dando 150
_Backfill: Arisings

Project Name: School Lane

Project Location: Higham

Client: M Scott Properties Ltd

Job No:

13561

Co-ordinates:

E:

N:

Ground Level (m):

Date Started:17/09/2025

Date Completed:17/09/2025

Water Level Observations During Boring

Date	Time	Depth of Hole (m)	Depth of Casing (m)	Depth to Water (m)	Remarks
17-9-25	16:00	18.00	8.00	Dry	End of Borehole. Soakage test carried out at 18m.

Hole Diameter by Depth Table

Depth of Hole (m)	Diameter of Hole (mm)	Diameter of Casing (mm)	Depth of Casing (m)
18.00	250	150	8.00

Chiselling Details

From (m)	To (m)	Time Taken (hhmm)	Chiselling Tool Used	Notes
12.00	12.60	00:45		

Remarks:

Logged By:

DR

Checked By:

CSS

Scale:
1:52.5

Approved By:

FIG No.

.3

Notes: For explanation of symbols and abbreviations, see Key Sheet.

Land off School Lane, Higham

BHB

Top section

12.6

m

Centre section

15.3

m

Diameter of
Hole

0.15

m

Bottom
section

18

m

Diameter of test
section

0.15

m

Length of test
section

5.4

m

Water Level

DRY

m

BHB - Test 1

The graph plots Head (m) on the Y-axis against Time (secs) on the X-axis. The data points are as follows:

Time (secs)	Head (m)
0	4.9
30	3.7
60	3.0
90	2.25
120	1.65
150	1.14
180	0.71
210	0.36
240	0.11
270	0

RAPID SOAKAGE - 1000L of water added in 4min 9 sec at a rate of 4L/seconds - no constant head possible.
Unable to raise head in borehole. Dry in under 5 minutes

After BS5930:1999

$k(\text{approx}) = 2.57 \times 10^{-3} \text{ m/s}$