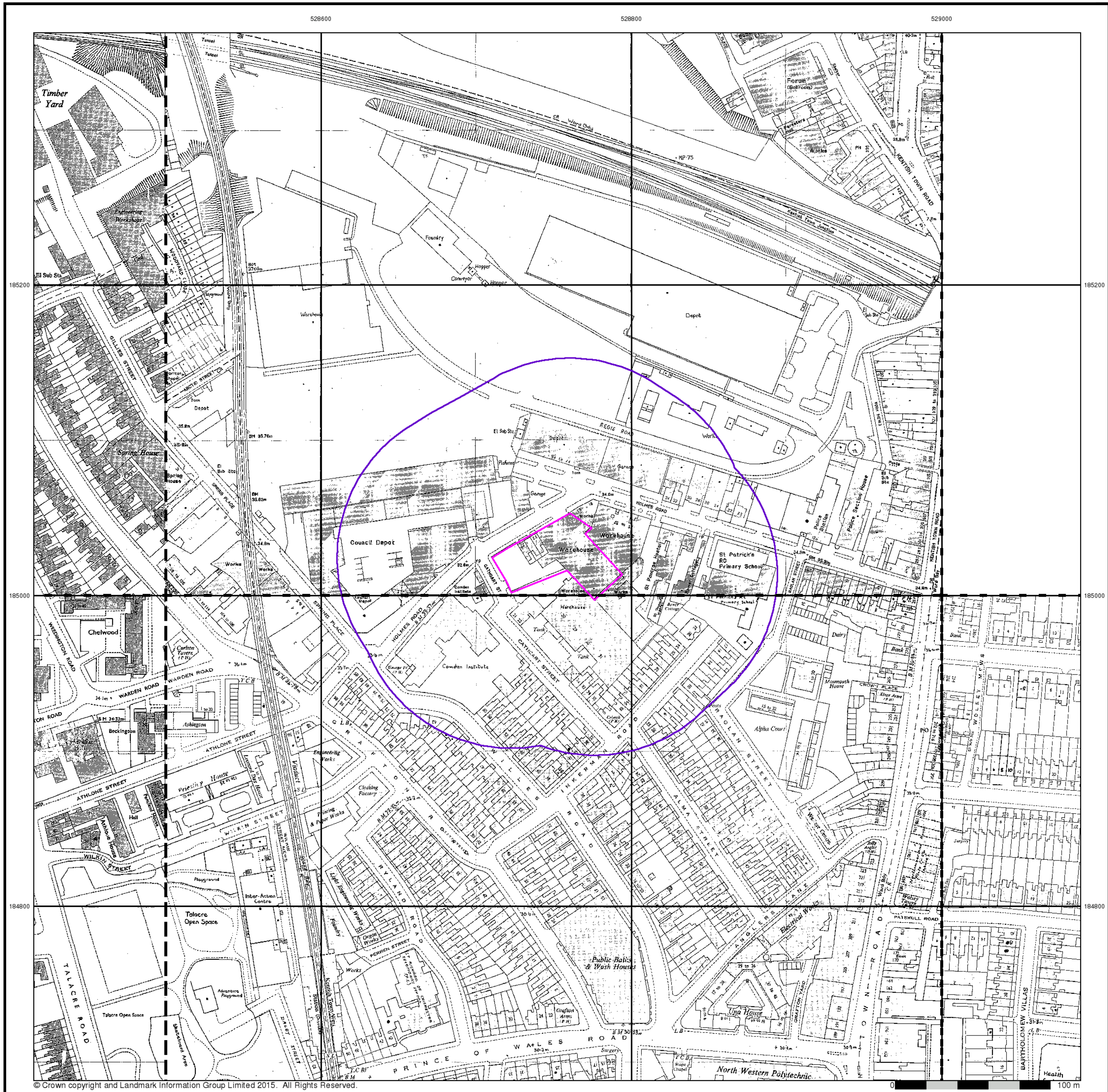


Envirocheck®

Additional SIMs

Published 1953 - 1985

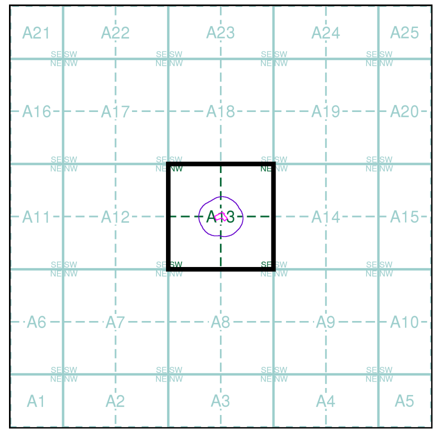
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

TQ2885SW 1953 1:1,250	TQ2885SE 1985 1:1,250	
TQ2884NW 1982 1:1,250	TQ2884NE 1980 1:1,250	TQ2984NW 1982 1:1,250

Historical Map - Segment A13



N

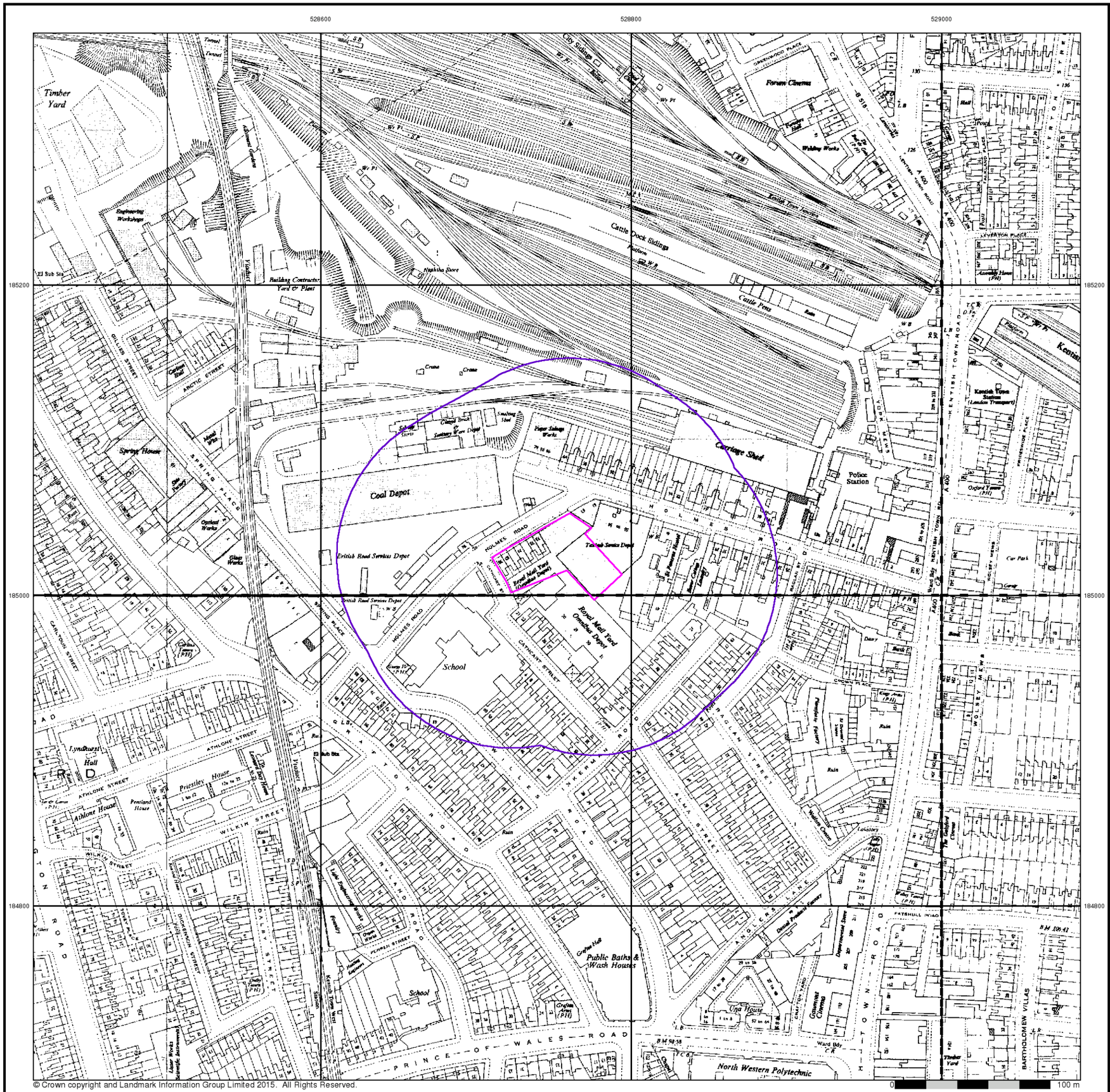
Order Details

Order Number: 68567198_1_1
Customer Ref: GSI 0457 IW EC 110615
National Grid Reference: 528750, 185020
Slice: A
Site Area (Ha): 0.24
Search Buffer (m): 100

Site Details

65-67 Holmes Road, LONDON, NW5 3AN

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Envirocheck®

Ordnance Survey Plan

Published 1954 - 1955

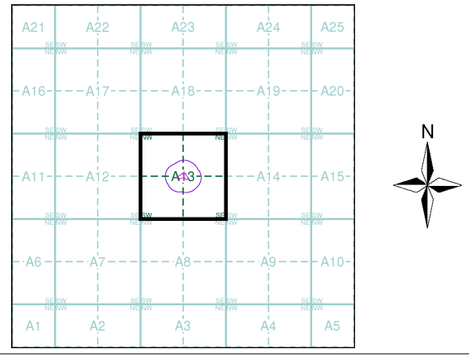
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

TQ2885 1954 1:2,500	TQ2985 1954 1:2,500
TQ2884 1955 1:2,500	TQ2984 1954 1:2,500

Historical Map - Segment A13



Order Details

Order Number:	68567198_1_1
Customer Ref:	GSI 0457 IW EC 110615
National Grid Reference:	528750, 185020
Slice:	A
Site Area (Ha):	0.24
Search Buffer (m):	100

Site Details

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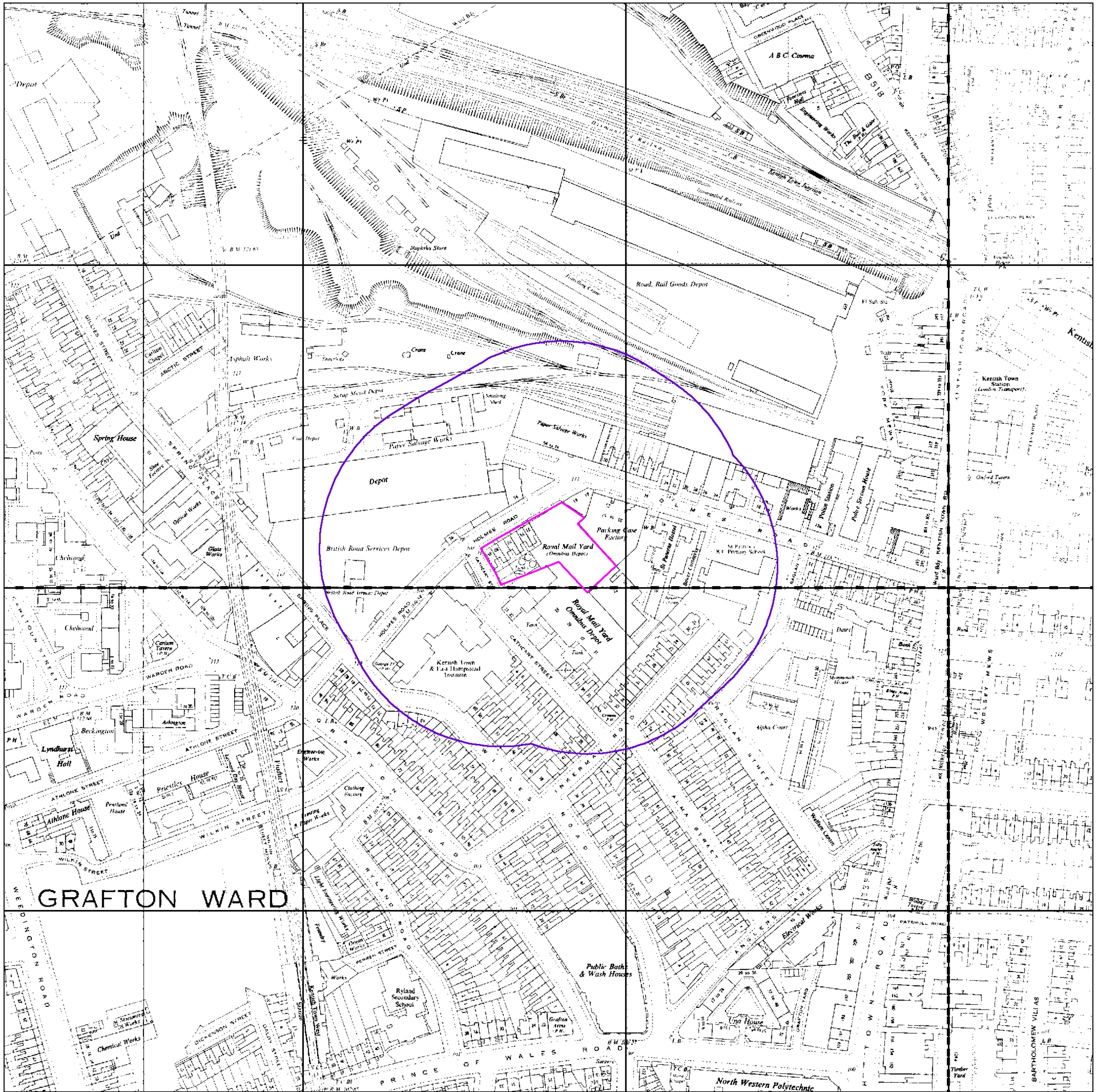


Envirocheck®

Ordnance Survey Plan

Published 1970

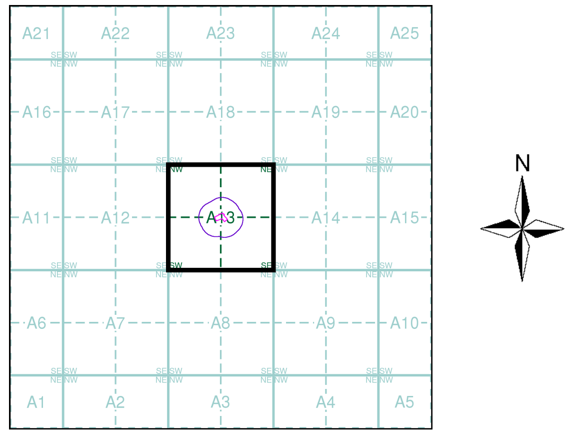
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

TQ2885 1970 1:2,500	TQ2985 1970 1:2,500
TQ2884 1970 1:2,500	TQ2984 1970 1:2,500

Historical Map - Segment A13



Order Details

Order Number: 68567198_1_1
Customer Ref: GSI 0457 IW EC 110615
National Grid Reference: 528750, 185020
Slice: A
Site Area (Ha): 0.24
Search Buffer (m): 100

Site Details

65-67 Holmes Road, LONDON, NW5 3AN

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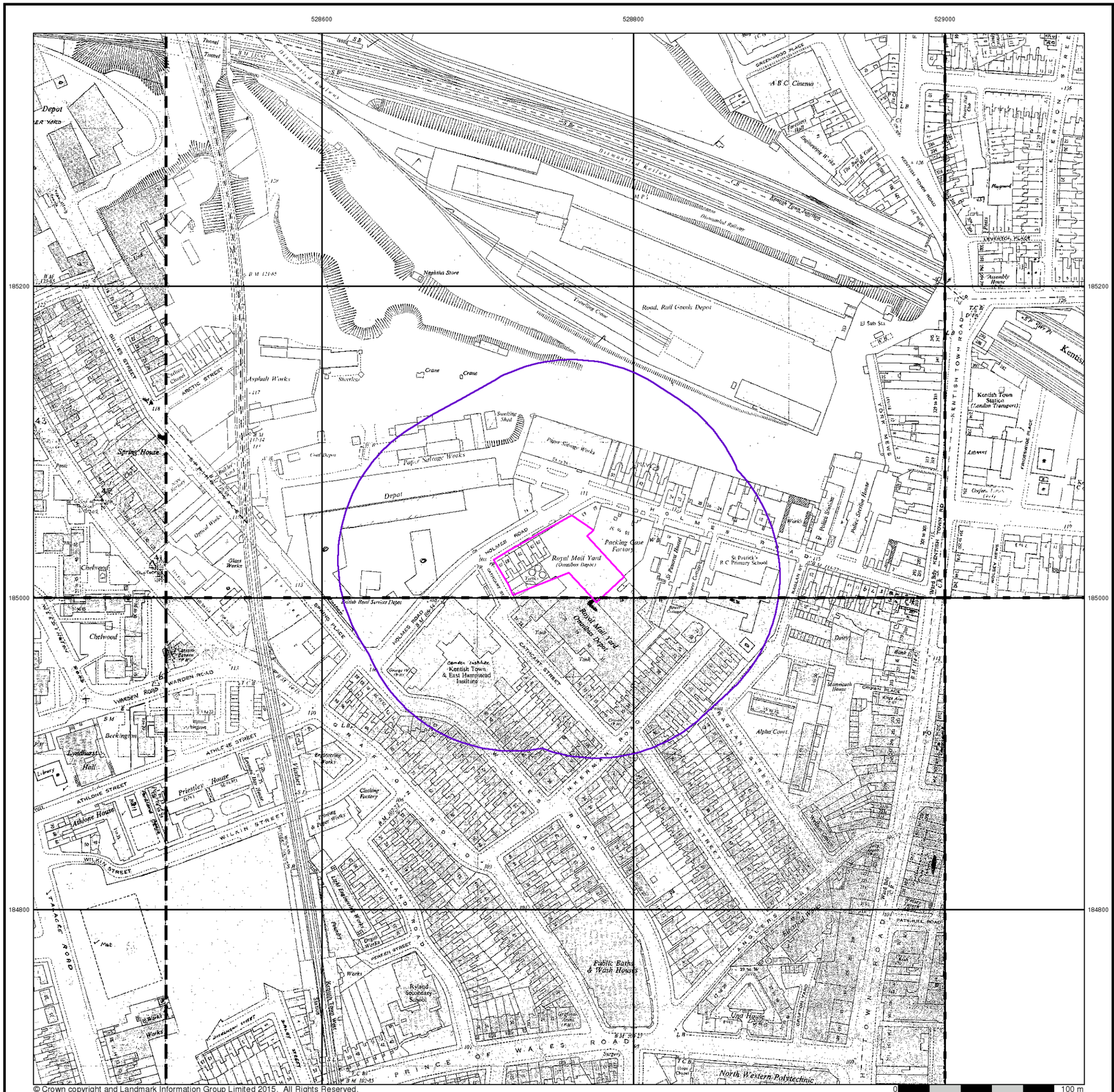


0 100 m

Envirocheck®

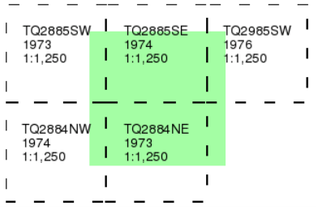
Supply of Unpublished Survey Information

Published 1973 - 1976

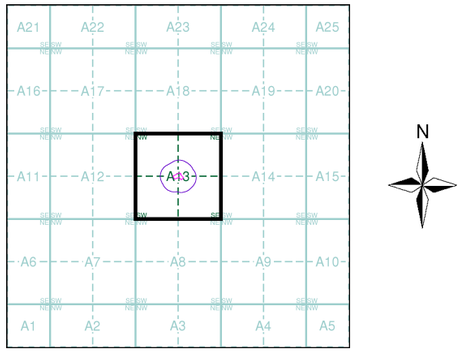
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a `work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	68567198_1_1
Customer Ref:	GSI 0457 IW EC 110615
National Grid Reference:	528750, 185020
Slice:	A
Site Area (Ha):	0.24
Search Buffer (m):	100

Site Details

65-67 Holmes Road, LONDON, NW5 3AN

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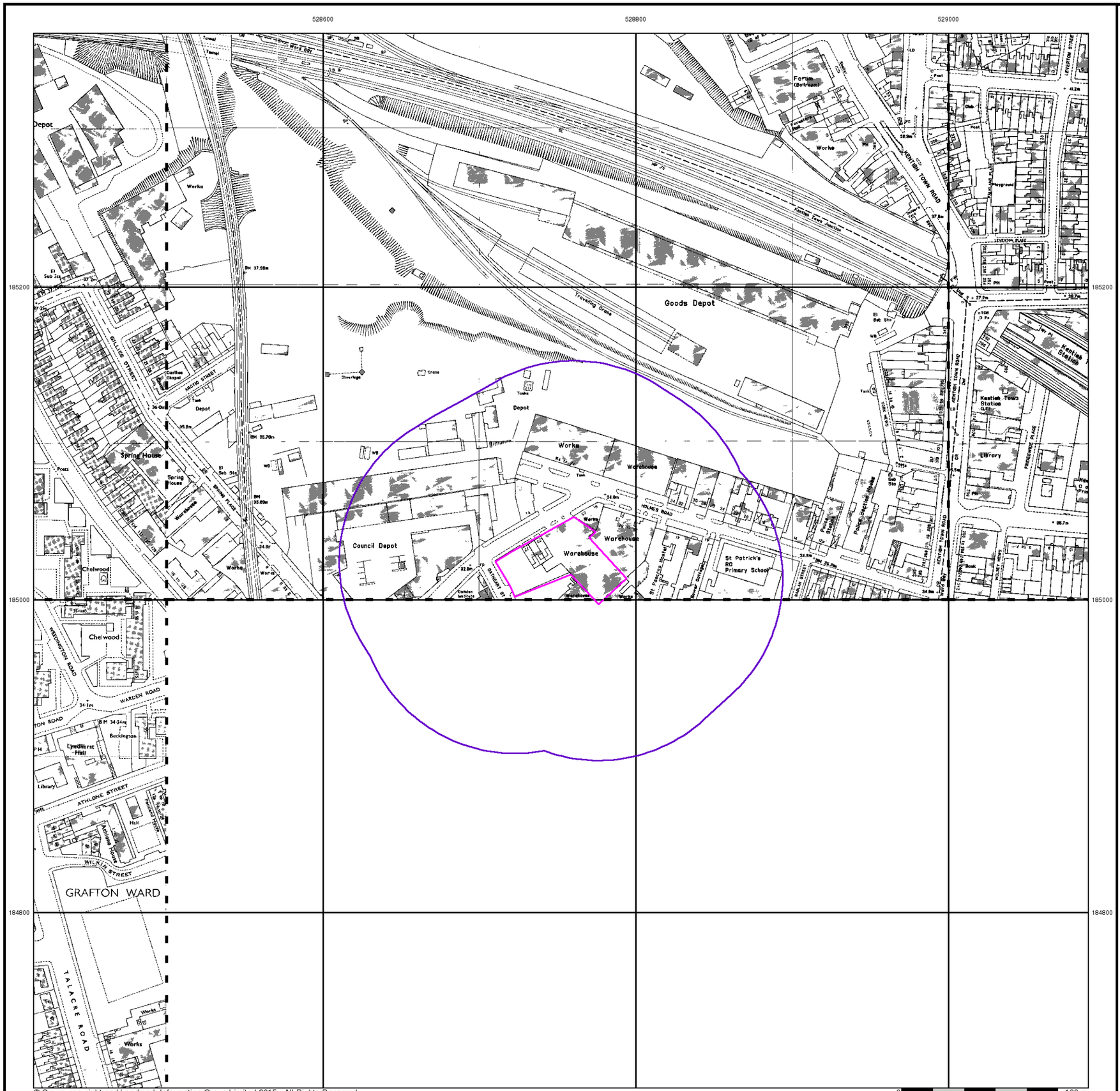


Envirocheck®

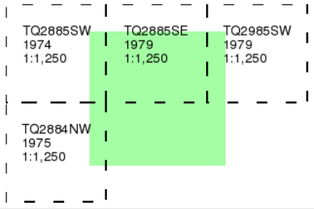
Ordnance Survey Plan

Published 1974 - 1979

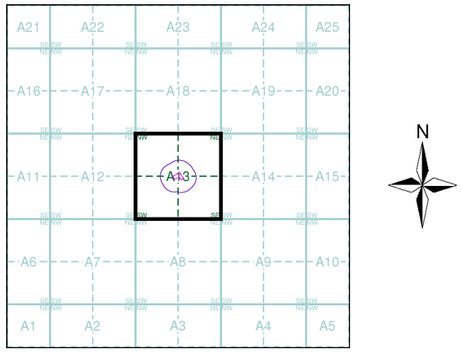
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	68567198_1_1
Customer Ref:	GSI 0457 IW EC 110615
National Grid Reference:	528750, 185020
Slice:	A
Site Area (Ha):	0.24
Search Buffer (m):	100

Site Details

65-67 Holmes Road, LONDON, NW5 3AN

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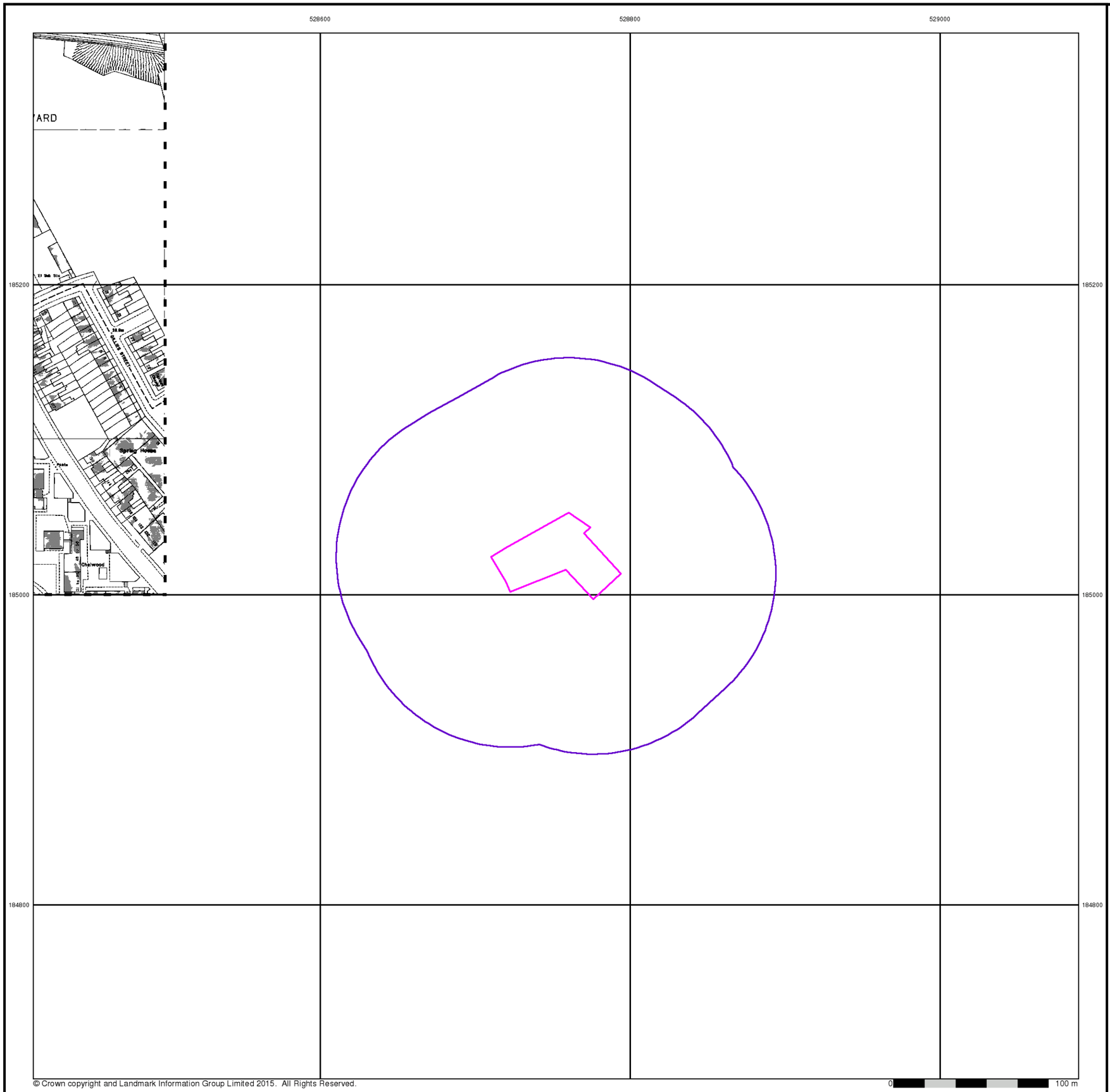


Envirocheck®

Ordnance Survey Plan

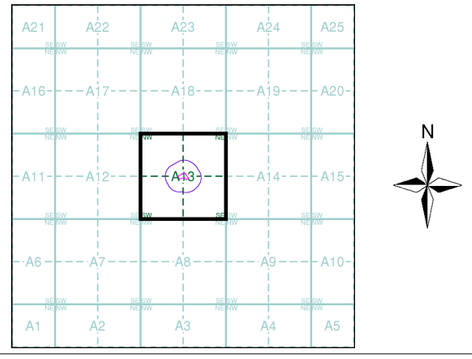
Published 1980

Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

Historical Map - Segment A13



Order Details

Order Number:	68567198_1_1
Customer Ref:	GSI 0457 IW EC 110615
National Grid Reference:	528750, 185020
Slice:	A
Site Area (Ha):	0.24
Search Buffer (m):	100

Site Details

65-67 Holmes Road, LONDON, NW5 3AN

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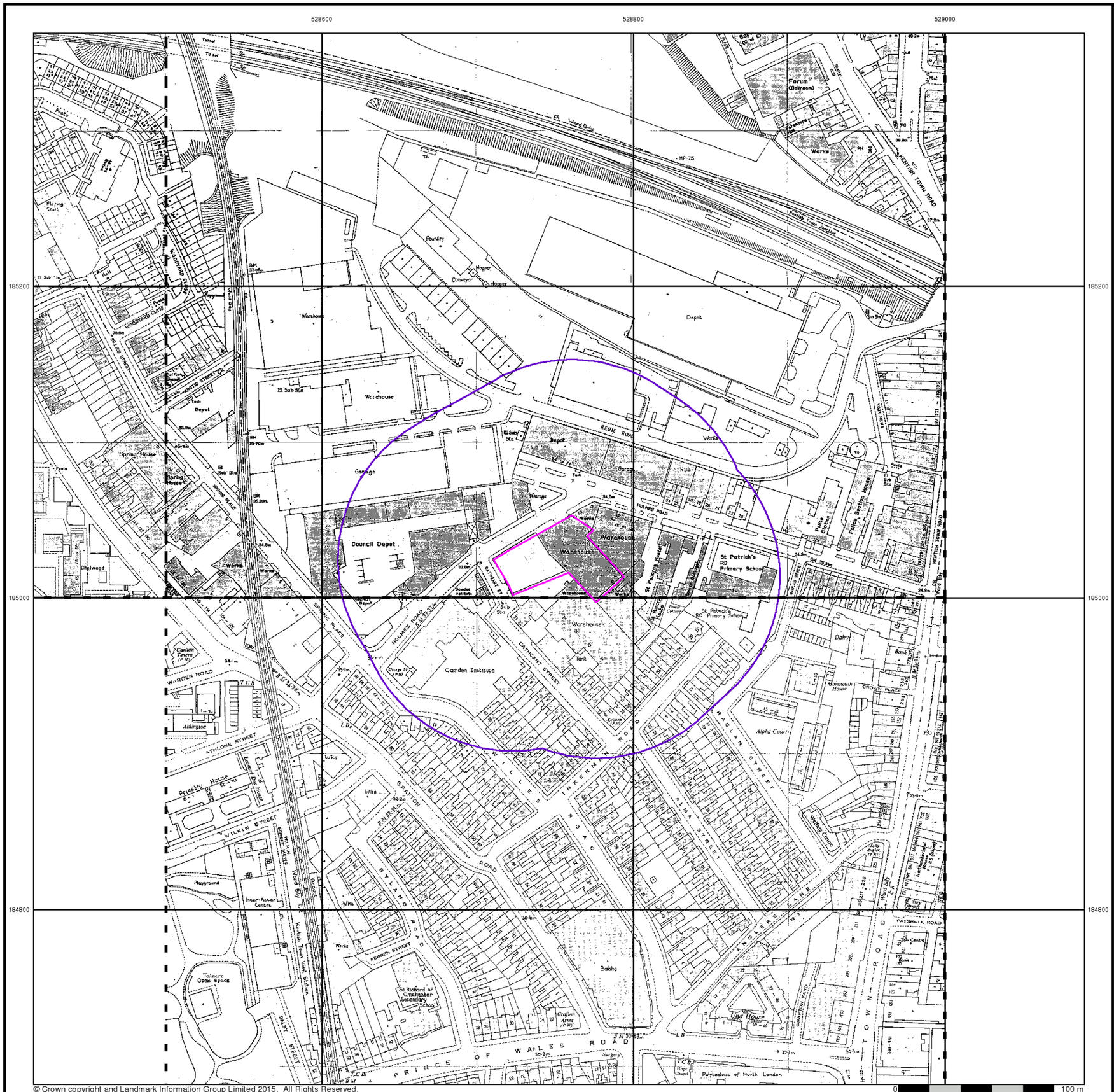


0 100 m

Envirocheck®

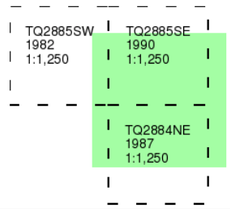
Additional SIMs

Published 1982 - 1990

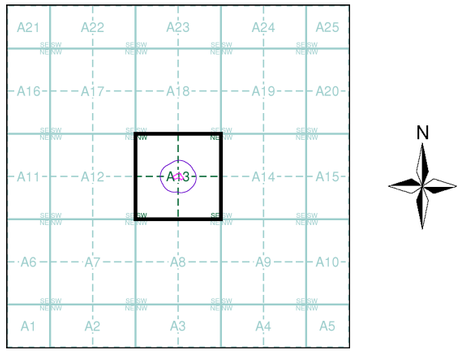
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	68567198_1_1
Customer Ref:	GSI 0457 IW EC 110615
National Grid Reference:	528750, 185020
Slice:	A
Site Area (Ha):	0.24
Search Buffer (m):	100

Site Details

65-67 Holmes Road, LONDON, NW5 3AN

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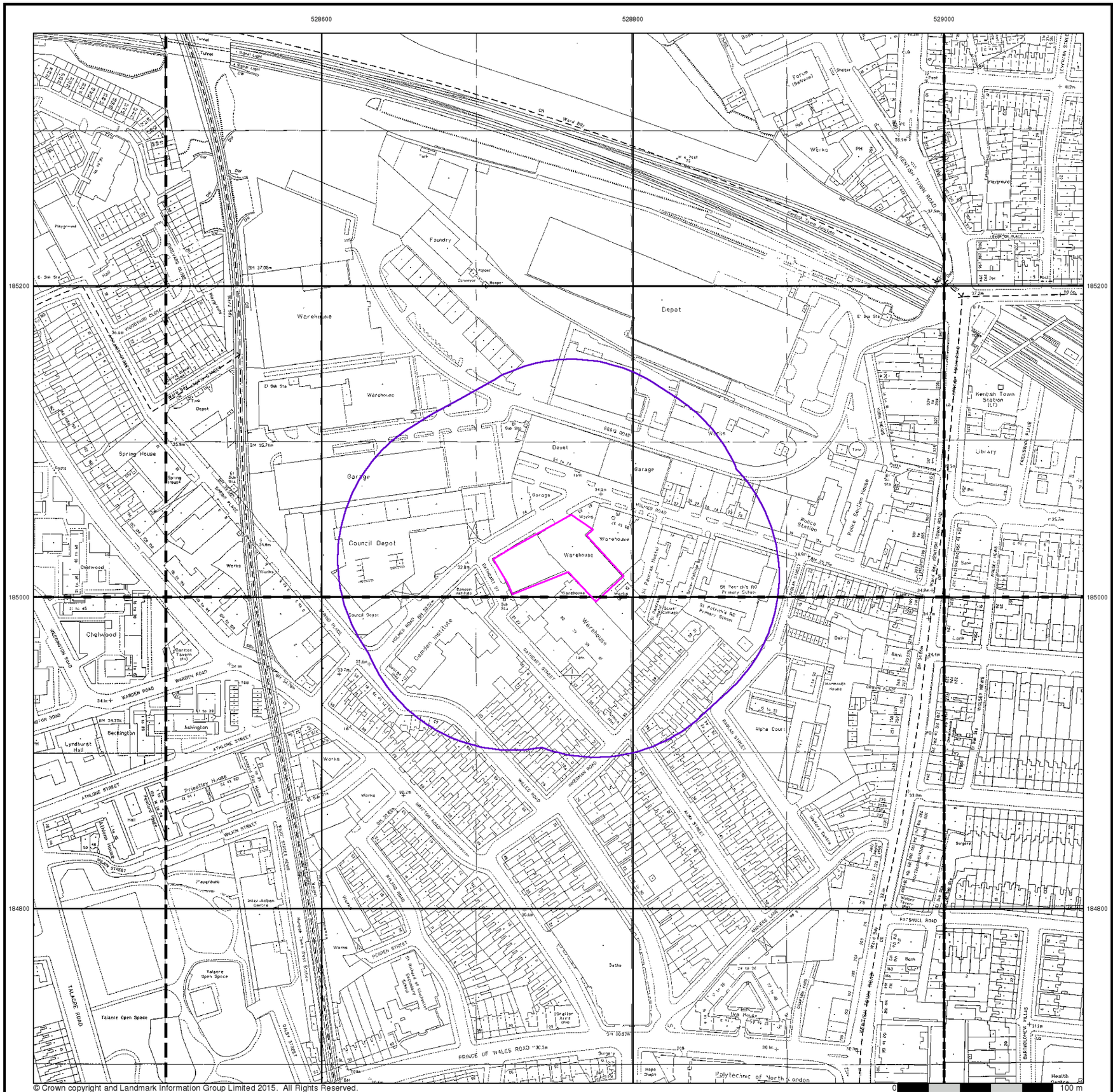


Envirocheck®

Large-Scale National Grid Data

Published 1991

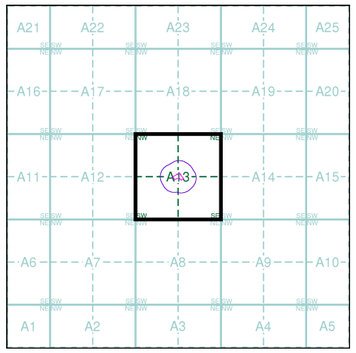
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

TQ2885SW 1991 1:1,250	TQ2885SE 1991 1:1,250	TQ2985SW 1991 1:1,250
TQ2884NW 1991 1:1,250	TQ2884NE 1991 1:1,250	TQ2984NW 1991 1:1,250

Historical Map - Segment A13



Order Details

Order Number:	68567198_1_1
Customer Ref:	GSI 0457 IW EC 110615
National Grid Reference:	528750, 185020
Slice:	A
Site Area (Ha):	0.24
Search Buffer (m):	100

Site Details

65-67 Holmes Road, LONDON, NW5 3AN

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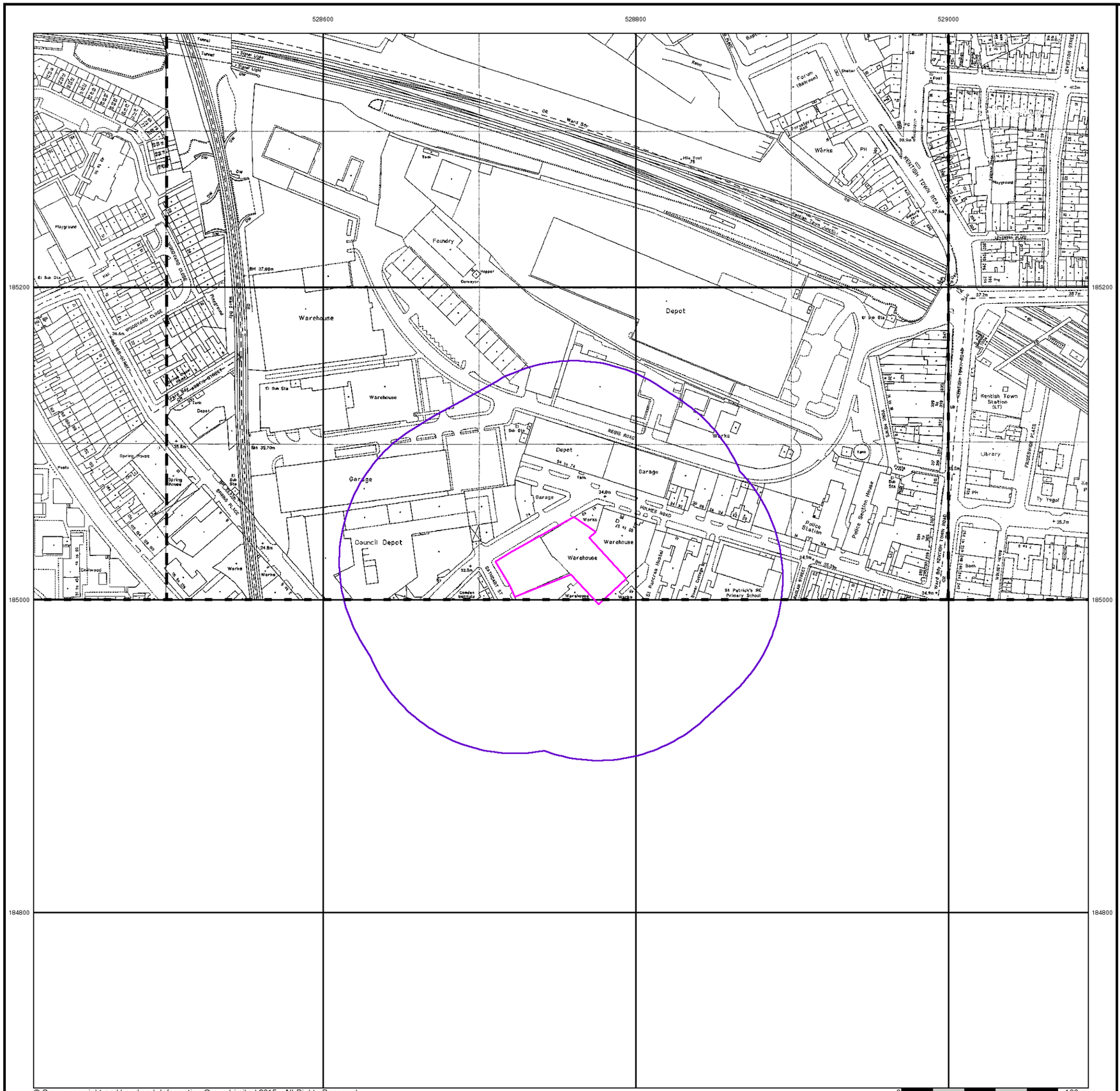
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Envirocheck®

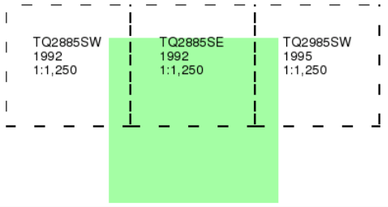
Large-Scale National Grid Data

Published 1992 - 1995

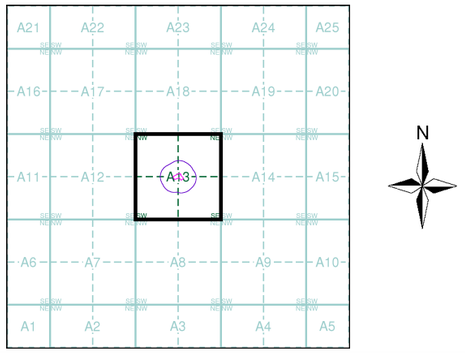
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	68567198_1_1
Customer Ref:	GSI 0457 IW EC 110615
National Grid Reference:	528750, 185020
Slice:	A
Site Area (Ha):	0.24
Search Buffer (m):	100

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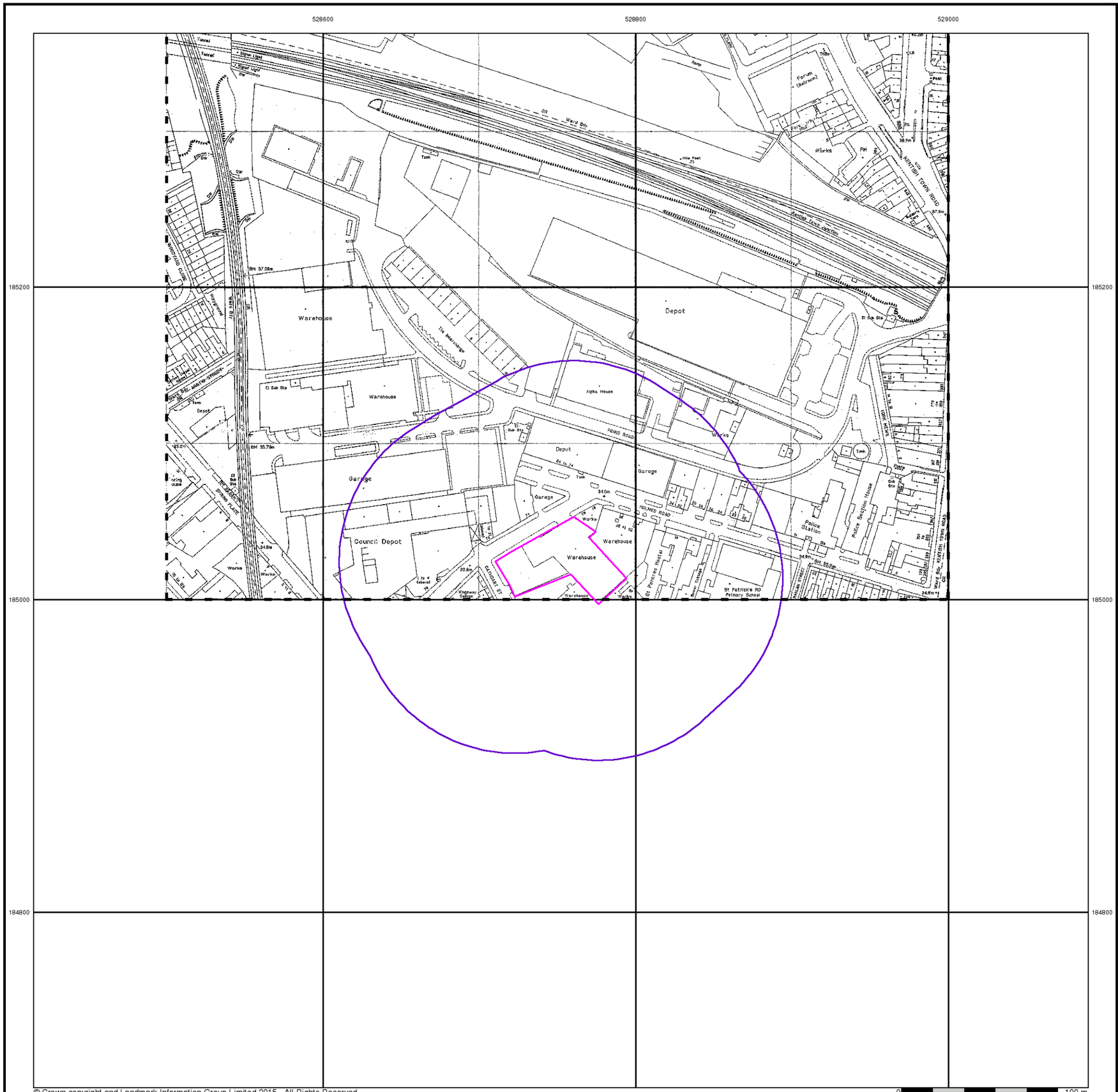


Envirocheck®

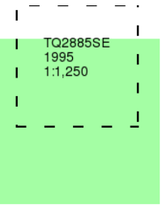
Large-Scale National Grid Data

Published 1995

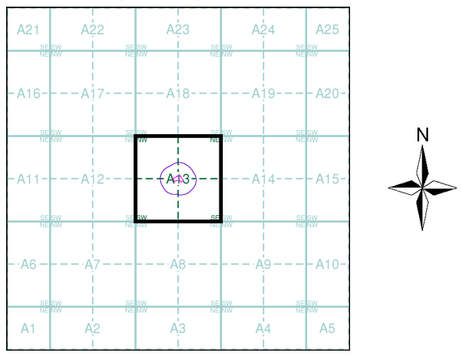
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	68567198_1_1
Customer Ref:	GSI 0457 IW EC 110615
National Grid Reference:	528750, 185020
Slice:	A
Site Area (Ha):	0.24
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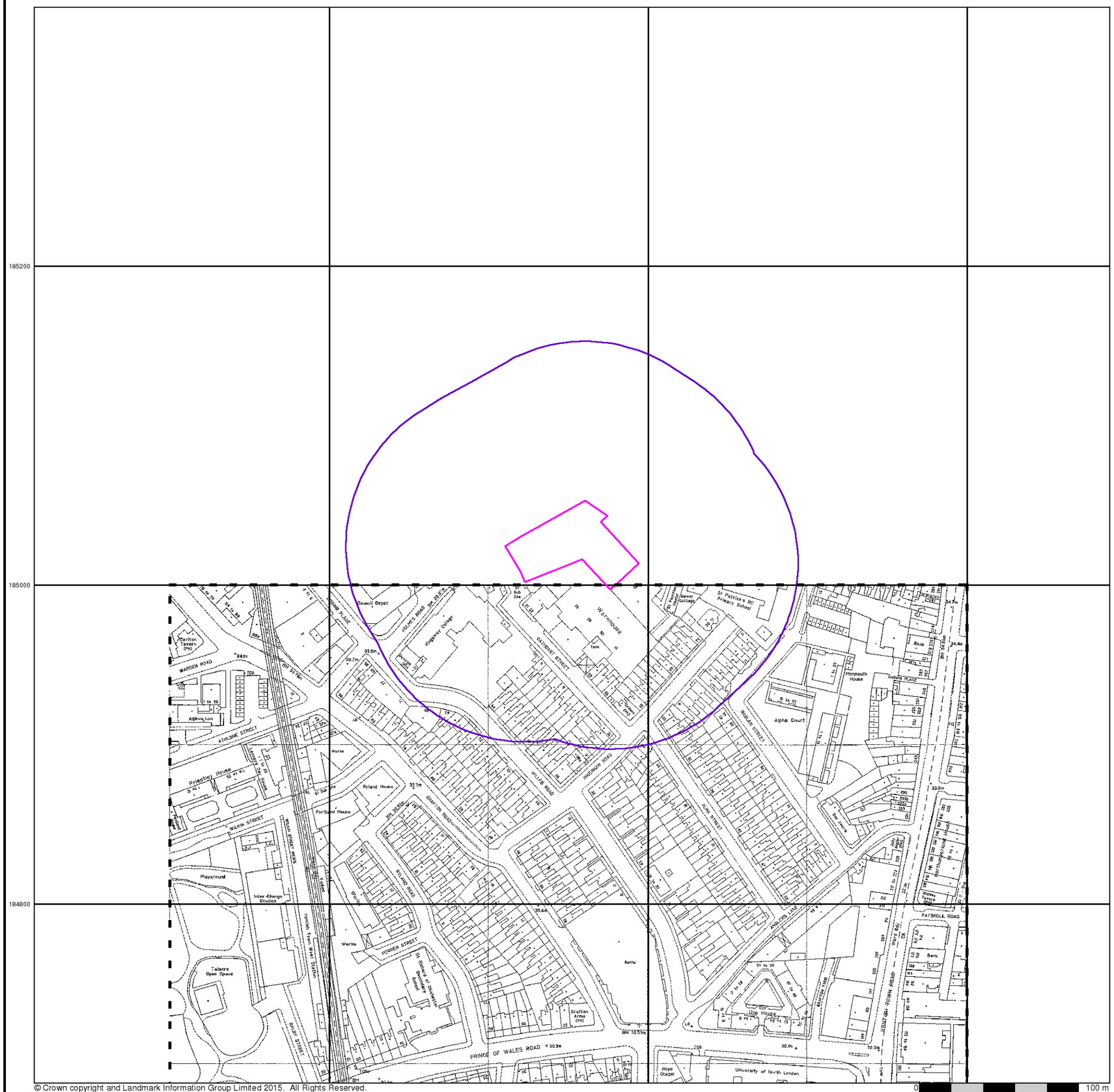


Envirocheck®

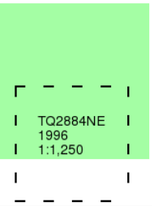
Large-Scale National Grid Data

Published 1996

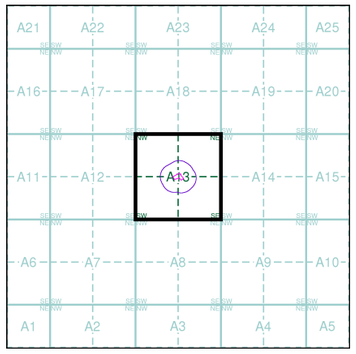
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	68567198_1_1
Customer Ref:	GSI 0457 IW EC 110615
National Grid Reference:	528750, 185020
Slice:	A
Site Area (Ha):	0.24
Search Buffer (m):	100

Site Details

65-67 Holmes Road, LONDON, NW5 3AN

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APPENDIX C

CABLE PERCUSSION BOREHOLE LOGS

LITHOLOGIC SYMBOLS (Unified Soil Classification System)


MADE GROUND: MADE GROUND


CONCRETE: CONCRETE


CLAY: CLAY


CLAY sa: Sandy CLAY


CLAY sa gr: Sandy gravelly CLAY

BACKFILL / WELL SYMBOLS


Bentonite Seal: 1 pipe group, 1 pipe


Bentonite: Bottom of hole


Cement Seal: 1 pipe group, 1 pipe


Slotted Pipe: 1 pipe group, 1 pipe


Slough at bottom of hole

SOIL & ROCK DESCRIPTIONS

All soils and rock descriptions were undertaken in accordance with BS5930 Amendment 1; EN ISO 14688 -1; EN ISO 14688 -2; and EN ISO 14689.

ABBREVIATIONS

D	- Small Disturbed Sample	ES	Environmental Sample - Soil
B	- Bulk Disturbed Sample		
BD	- Bulk & Small Disturbed Sample	EW	Environmental Sample - Water
S	- Standard Penetration Test		
U	- Undisturbed Sample		

▽ Water Rise Level after 20 minutes

▼ Water Level at Time of Strike

▼ Water Level After 24 Hours, or as Shown

GeoCon Site Investigations Ltd
15 Belmont Drive, Marple Bridge, Stockport. SK6 5EA
Tel: 08445043901 Fax: 08445043902
Web: www.geoconsiteinvestigations.com
Email: info@.geoconsiteinvestigations.com

KEY TO SYMBOLS

Client: Hallmark Property Group

Project: Holmes Road, Kentish Town, London.

Number: GSI0457

GeoCon Site Investigations Ltd
15 Belmont Drive, Marple Bridge, Stockport SK6 5EA.
Tel: 08445043901 Fax: 08445043902
Web: www.geoconsiteinvestigations.com Email: info@geoconsiteinvestigations.com

CABLE PERCUSSION BOREHOLE LOG

Project				BOREHOLE No
Holmes Road, Kentish Town, London.				
Project ID	Date	Ground Level (m)	Co-Ordinates ()	**BH01**
GSI0457	04-06-15 06-06-15			
Contractor				Sheet
Hallmark Property Group				1 of 3

SAMPLES & TESTS				STRATA					
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION	Geology	Instrument & Backfill
						0.15	MADE GROUND: Black TARMAC.	MG	
0.30-0.60 0.30	B ES					0.60	MADE GROUND: Light greyish brown sandy GRAVEL. Gravel is angular to subrounded fine to coarse of flint brick and concrete.	MG	
0.50 0.60-1.10 0.80 1.00 1.20-1.65 1.50	D B D ES SDB ES	N4				0.90 (1.30)	MADE GROUND: Brown slightly clayey sandy GRAVEL. Gravel is angular to subrounded fine to coarse of flint slate brick concrete and ceramic. MADE GROUND: Soft dark brown sandy gravelly CLAY. Gravel is angular to subangular fine to medium of brick clinker flint and slate. (POSSIBLE REWORKED MATERIAL)	MG	
2.00-2.45	U100	18 blows				2.20			
2.50	D						Firm brown mottled grey sandy CLAY. (WEATHERED LONDON CLAY FORMATION)		
3.00-3.45	SB	N6				(2.30)		LC	
4.00-4.45	U100	21 blows				4.50			
4.50 4.80 5.00 5.00-5.45	D D ES SB	N12					Firm to stiff brown mottled bluish green slightly sandy fissured CLAY. (LONDON CLAY FORMATION)		
6.00-6.45 6.50 7.00	U100 D D	29 blows				(3.00)		LC	
7.50-7.95 8.00	SB D	N25				7.50	Firm to stiff brown mottled bluish green slightly sandy fissured CLAY. (LONDON CLAY FORMATION)		
9.00-9.45	U100	52 blows				(2.20)		LC	
9.50	D					9.70			
10.00	D						Stiff dark grey fissured CLAY. (LONDON CLAY FORMATION)	LC	
10.50-10.95	SB	N29							

Boring Progress and Water Observations

Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Depth
04-06-15	08.00	0.00	6.00	200.00	Dry

Chiselling

From	To	Hours

Water Added

From	To

GENERAL REMARKS

Exploratory hole cleared of buried services. Hand pit excavated to 1.20mbgl. No groundwater encountered.

All dimensions in metres Scale 1:68.75	Client Hallmark Property Group	Method / Plant Used Dando 2000	Logged By Zsuzsa Bella

GeoCon Site Investigations Ltd
15 Belmont Drive, Marple Bridge, Stockport SK6 5EA.
Tel: 08445043901 Fax: 08445043902
Web: www.geoconsiteinvestigations.com Email: info@geoconsiteinvestigations.com

CABLE PERCUSSION BOREHOLE LOG

Project				BOREHOLE No
Holmes Road, Kentish Town, London.				
Project ID	Date	Ground Level (m)	Co-Ordinates ()	**BH01**
GSI0457	04-06-15 06-06-15			
Contractor				Sheet
Hallmark Property Group				2 of 3

SAMPLES & TESTS			STRATA						
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION	Geology	Instrument & Backfill
11.00	D						Stiff dark grey fissured CLAY. (LONDON CLAY FORMATION) *(continued)*		
12.00-12.45	U100	61 blows							
12.50	D								
13.00	D								
13.50-13.95	SB	N35							
14.00	D								
15.00-15.45	U100	79 blows							
15.50	D								
16.00	D								
16.50-16.95	SB	N36						LC	
18.00-18.45	U100	82 blows					18.00 - 18.20 Brownish grey extremely weak CLAYSTONE. 18.20 Becomes very stiff below 18.20mbgl.		
18.50	D								
19.00	D								
19.50-19.95	SB	N37							
						(20.75)			
21.00	D								
21.00-21.45	U100	90 blows							

Boring Progress and Water Observations

Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Depth
04-06-15	17.00	13.50			Dry
05-06-15	08.00	13.50			Dry

Chiselling

From	To	Hours

Water Added

From	To

GENERAL REMARKS

Exploratory hole cleared of buried services. Hand pit excavated to 1.20mbgl. No groundwater encountered.

All dimensions in metres Scale 1:68.75	Client Hallmark Property Group	Method / Plant Used Dando 2000	Logged By Zsuzsa Bella

GeoCon Site Investigations Ltd
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Web: www.geoconsiteinvestigations.com Email: info@geoconsiteinvestigations.com

CABLE PERCUSSION BOREHOLE LOG

Project				BOREHOLE No
Holmes Road, Kentish Town, London.				
Project ID: GSI0457	Date: 04-06-15 06-06-15	Ground Level (m):	Co-Ordinates ():	**BH01**
Contractor: Hallmark Property Group				Sheet: 3 of 3

SAMPLES & TESTS			STRATA						
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION	Geology	Instrument & Backfill
22.00	D						Stiff dark grey fissured CLAY. (LONDON CLAY FORMATION) *(continued)*		
23.00-23.45	SB	N41							
24.00	D								
24.50-24.95	SB	N42							
25.00	D								
26.00-26.45	U100	71 blows						LC	
26.50	D								
27.00	D								
27.50-27.95	SDB	N44							
29.00	D								
29.50-29.95	U100	83 blows							
30.00-30.45	SDB	N50				30.45			

Boring Progress and Water Observations

Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Depth
05-06-15	17.00	28.00			Dry
06-06-15	08.00	28.00			Dry
06-06-15	14.00	30.45			Dry

Chiselling

From	To	Hours

Water Added

From	To

GENERAL REMARKS

Exploratory hole cleared of buried services. Hand pit excavated to 1.20mbgl. No groundwater encountered.

All dimensions in metres Scale 1:68.75	Client: Hallmark Property Group	Method / Plant Used: Dando 2000	Logged By: Zsuzsa Bella

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Web: www.geoconsiteinvestigations.com Email: info@geoconsiteinvestigations.com

CABLE PERCUSSION BOREHOLE LOG

Project				BOREHOLE No
Holmes Road, Kentish Town, London.				
Project ID	Date	Ground Level (m)	Co-Ordinates ()	**BH02**
GSI0457	02-06-15 03-06-15			
Contractor				Sheet
Hallmark Property Group				1 of 3

SAMPLES & TESTS				STRATA					
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION	Geology	Instrument & Backfill
0.18-0.30	B					0.30	MADE GROUND: Dark grey reinforced CONCRETE.	MG	
0.20	D						MADE GROUND: Brown SAND and GRAVEL. Gravel is angular to subangular fine to coarse of brick concrete flint clinker and ceramic.		
0.30-0.60	B								
0.50	D					(0.90)		MG	
0.60-0.90	B								
0.60	D					1.20			
0.60	ES						MADE GROUND: Soft brownish orange sandy gravelly CLAY. Gravel is angular to subrounded fine to coarse of brick concrete ceramic clinker flint and slate.		
0.90-1.10	B								
1.00	ES								
1.20	D								
1.20-1.65	SB	N2							
1.50	ES								
2.00-2.45	U100	17 blows							
2.50	D								
2.50	ES								
3.00-3.45	SB	N8				(3.80)		MG	
4.00-4.45	U100	48 blows							
4.50	D								
						5.00			
5.00-5.45	SB	N15				(1.00)	Soft brown mottled bluish green sandy slightly gravelly CLAY. Gravel is angular to subrounded fine to coarse of flint. (WEATHERED LONDON CLAY FORMATION)	LC	
						6.00			
6.00-6.45	U100	52 blows					Firm brown mottled blue slighty sandy slightly sandy fissured CLAY. (LONDON CLAY FORMATION)		
6.50	D								
7.00	D								
7.50-7.95	SB	N18				(3.70)		LC	
8.00	D								
9.00-9.45	U100	82 blows							
9.50	D					9.70			
10.00	D						Stiff dark brownish grey fissured thinly laminated CLAY. (LONDON CLAY FORMATION)	LC	
10.50-10.95	SB	N19							

Boring Progress and Water Observations

Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Depth
02-06-15	08.00	0.00	10.00	200.00	Dry

Chiselling

From	To	Hours

Water Added

From	To

GENERAL REMARKS

Exploratory hole cleared of buried services. Hand pit excavated to 1.20mbgl. No groundwater encountered.

All dimensions in metres Scale 1:68.75	Client Hallmark Property Group	Method / Plant Used Dando 2000	Logged By Zsuzsa Bella

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CABLE PERCUSSION BOREHOLE LOG

Project				BOREHOLE No
Holmes Road, Kentish Town, London.				
Project ID	Date	Ground Level (m)	Co-Ordinates ()	**BH02**
GSI0457	02-06-15 03-06-15			
Contractor				Sheet
Hallmark Property Group				2 of 3

SAMPLES & TESTS			STRATA						
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION	Geology	Instrument & Backfill
11.00	D						Stiff dark brownish grey fissured thinly laminated CLAY. (LONDON CLAY FORMATION) *(continued)*		
12.00-12.45	U100	68 blows							
12.50	D								
13.00	D								
13.50-13.95	SB	N28							
14.00	D								
15.00-15.45	U100	89 blows							
15.50	D								
16.00	D								
16.50-16.95	SB	N26						LC	
18.00-18.45	U100	57 blows							
18.50	D								
19.00	D								
19.50-19.95	SB	N30							
20.00	D					(20.75)			
21.00-21.45	U100	78 blows							
21.50	D								

Boring Progress and Water Observations

Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Depth
02-06-15	17.00	15.50			Dry
03-06-15	08.00	15.50			4.00

Chiselling

From	To	Hours

Water Added

From	To

GENERAL REMARKS

Exploratory hole cleared of buried services. Hand pit excavated to 1.20mbgl. No groundwater encountered.

All dimensions in metres Scale 1:68.75	Client Hallmark Property Group	Method / Plant Used Dando 2000	Logged By Zsuzsa Bella

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Web: www.geoconsiteinvestigations.com Email: info@geoconsiteinvestigations.com

CABLE PERCUSSION BOREHOLE LOG

Project				BOREHOLE No
Holmes Road, Kentish Town, London.				
Project ID: GSI0457	Date: 02-06-15 03-06-15	Ground Level (m):	Co-Ordinates ():	**BH02**
Contractor: Hallmark Property Group				Sheet: 3 of 3

SAMPLES & TESTS			STRATA						
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION	Geology	Instrument & Backfill
22.00	D						Stiff dark brownish grey fissured thinly laminated CLAY. (LONDON CLAY FORMATION) *(continued)*		
22.50-22.95	SB	N37							
23.00	D								
24.00-24.45	U100	71 blows					24.00 Becomes very stiff below 24.00 mbgl.		
24.50	D								
25.00	D								
25.50-25.95	SB	N46						LC	
27.00-27.45	U100	90 blows							
27.50	D								
28.00	D								
28.50-28.95	SB	N50/ 182 mm							
30.00-30.45	U100	70 blows				30.45			

Boring Progress and Water Observations					
Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Depth
03-06-15	17.00	30.45			Dry

Chiselling			Water Added	
From	To	Hours	From	To

GENERAL REMARKS

Exploratory hole cleared of buried services. Hand pit excavated to 1.20mbgl. No groundwater encountered.

All dimensions in metres Scale 1:68.75	Client: Hallmark Property Group	Method / Plant Used: Dando 2000	Logged By: Zsuzsa Bella

APPENDIX D

GEOTECHNICAL TESTING RESULTS

Laboratory Report

2788

GEO Site & Testing Services Ltd

Contract Number: 27191

Client's Reference: **GSI 0457 PO 15/0230**

Report Date: **03-07-2015**

Client **GeoCon Site Investigation Limited**
15 Belmont Drive
Marple Bridge
Stockport
England
SK6 5EA

Contract Title: **Holmes Road, Kentish Town, London**

For the attention of: **Ian Walker**

Date Received: **10-06-2015**

Date Commenced: **10-06-2015**

Date Completed: **03-07-2015**

Test Description	Qty
Moisture Content 1377 : 1990 Part 2 : 3.2 - * UKAS	8
4 Point Liquid & Plastic Limit (LL/PL) 1377 : 1990 Part 2 : 4.3 & 5.3 - * UKAS	8
(GI) BRE SD1 Reduced Suite pH, Acid Soluble Sulphate, Water Soluble Sulphate and Total Sulphur 1377 : 1990 Part 3 & BRE CP2/79 - @ Non Accredited Test	8
Quick Undrained Triaxial Compression test - single specimen at one confining pressure (100mm or 38mm diameter) 1377 : 1990 Part 7 : 8 - * UKAS	3
One-dimensional Consolidation 75mm or 50mm diameter specimens (5 days) 1377 : 1990 Part 5 : 3 - * UKAS	6
Disposal of Samples on Project	1

Notes: **Observations and Interpretations are outside the UKAS Accreditation**
*** - denotes test included in laboratory scope of accreditation**
 # - denotes test carried out by approved contractor
@ - denotes non accredited tests

Approved Signatories:
Alex Wynn (Associate Director) - Benjamin Sharp (Contracts Manager) - D V Edwards (Managing Director)
Emma Sharp (Office Manager) - Paul Evans (Quality/Technical Manager)

GEO Site & Testing Services Ltd
Unit 4, Heol Aur, Dafen Ind Estate, Dafen, Llanelli, Carmarthenshire SA14 8QN
Tel: 01554 784040 Fax: 01554 784041 info@geo.uk.com geo.uk.com

Client ref: GSI 0457

Location: Holmes Road, Kentish Town, Luton

Contract Number: 27191-100615

Hole Number	Sample Number	Type	Depth (m)	Description of Sample*
BH01		B	3.00 - 3.45	Brown fine to medium gravelly sandy silty CLAY.
BH01		B	7.50 - 7.95	Brown fine sandy silty CLAY.
BH01		B	13.50 - 13.95	Brown fine sandy silty CLAY.
BH01		B	19.50 - 19.95	Brown fine sandy silty CLAY.
BH02		B	7.50 - 7.95	Brown fine sandy silty CLAY.
BH02		B	13.50 - 13.95	Brown fine sandy silty CLAY.
BH02		B	19.50 - 19.95	Brown fine sandy silty CLAY.
BH02		B	25.50 - 25.95	Brown fine sandy silty CLAY.

Note: Results on this table are in summary format and may not meet the requirements of the relevant standards, additional information is held by the laboratory

GSTL
GEO SITE & TESTING SERVICES LTD

For and behalf of GEO Site & Testing Services Ltd

Authorised By:
Emma Williams (Office Manager)

Date: 30.6.15

UKAS TESTING
2788

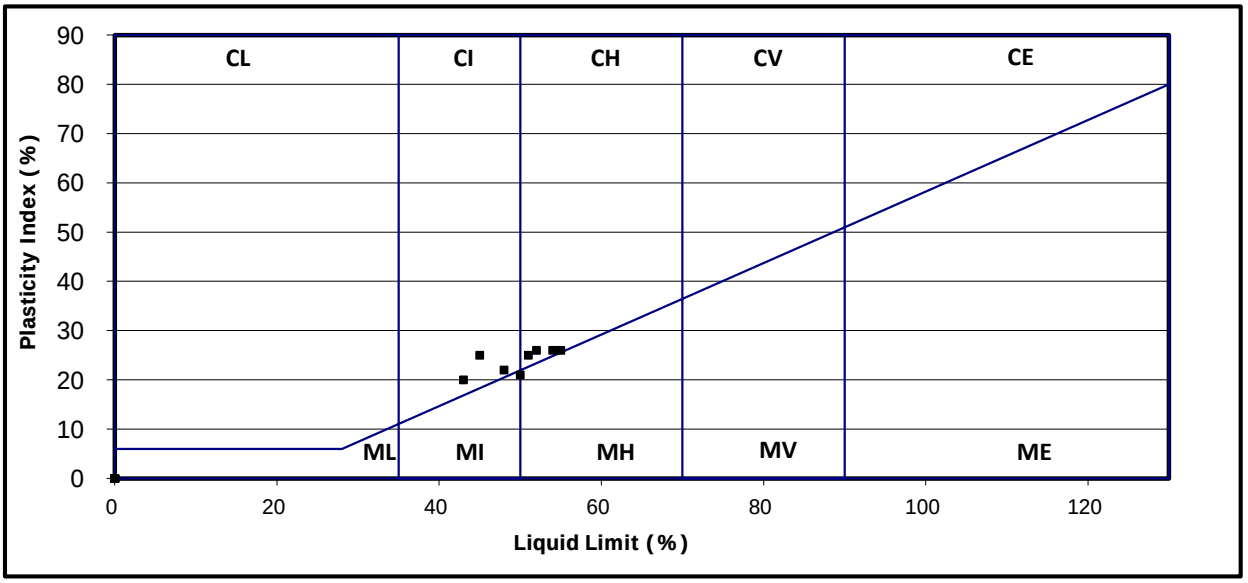
Test Report: **Method of the Determination of the plastic limit and plasticity index**
BS 1377 : Part 2 : 1990 Method 5

Client ref: GSI 0457
Location: Holmes Road, Kentish Town, Luton
Contract Number: 27191-100615

Hole / Sample Number	Sample Type	Depth m	Moisture Content % Cl. 3.2	Liquid Limit % Cl. 4.3/4.4	Plastic Limit % Cl. 5.	Plasticity Index % Cl. 6.	% Passing .425mm	Remarks
BH01	B	3.00 - 3.45	21	43	23	20	77	CI Intermediate Plasticity
BH01	B	7.50 - 7.95	33	50	29	21	100	MI/H Inter/High Plasticity
BH01	B	13.50 - 13.95	33	55	29	26	100	CH High Plasticity
BH01	B	19.50 - 19.95	30	52	26	26	100	CH High Plasticity
BH02	B	7.50 - 7.95	31	51	26	25	100	CH High Plasticity
BH02	B	13.50 - 13.95	31	54	28	26	100	CH High Plasticity
BH02	B	19.50 - 19.95	28	48	26	22	100	CI Intermediate Plasticity
BH02	B	25.50 - 25.95	27	45	20	25	100	CI Intermediate Plasticity

Symbols: **NP : Non Plastic** **# : Liquid Limit and Plastic Limit Wet Sieved**

PLASTICITY CHART FOR CASAGRANDE CLASSIFICATION.
BS 5930:1999+A2:2010



GSTL
GEO SITE & TESTING SERVICES LTD

For and behalf of GEO Site & Testing Services Ltd

Authorised By:
Paul Evans (Quality/Technical Manager)
Date: 30.6.15

UKAS TESTING 2788

Unit 4
Heol Aur
Dafen Ind EstateDafen
Carmarthenshire
SA14 8QN
Tel: 01554 784040
01554 750752
Fax: 01554 770529
01554 784041
Web: www.geo.uk.com

Certificate of Analysis

Date:	27/06/2015
Client:	Geocon
Our Reference:	27191-100615
Client Reference:	GSI 0457
Contract Title:	Holmes Road, Kentish Town, London
Description: (Total Samples)	8
Date Received:	10/06/2015
Date Started:	24/06/2015
Date Completed:	27/06/2015
Test Procedures:	(B.S. 1377 : PART 3 : 1990 AND BRE CP2/79)
Notes:	

Solid samples will be disposed 1 month and liquids 2 weeks after the date of issue of this test certificate

Approved By:

Authorised Signatories:

Emma Williams	Dafydd Simon	Paul Evans
Laboratory Office Manager	Laboratory Team Leader	Quality Manager

Contract No: 27191-100615
Client Ref: GSI 0457
Location: Holmes Road, Kentish Town, London
Date: 27/06/2015

Summary of Chemical Analysis

(B.S. 1377 : PART 3 : 1990 AND BRE CP2/79)

Hole Number	Sample Number	Depth m	Sulphate Content SO3 (as SO_4)			Chloride Content		pH Value @ 25°C	Total Sulphur %	Magnesium g/l	Nitrate mg/l	Organic %
			Acid Soluble Sulphate as % SO_4 Clause 5.5.	Aqueous Extract Sulphate as g/l SO_4 Clause 5.5.	Ground-water g/l Clause 5.4.	Soluble Chloride as % equiv. NaCl Clause 7.3	Ground-water g/l Clause 7.2	Clause 9.				
BH01		1.20-1.65	0.19 (0.23)	0.58 (0.69)				7.98	0.01			
BH01		5.00-5.45	0.09 (0.10)	0.01 (0.02)				7.56	<0.01			
BH01		10.95-10.95	0.39 (0.47)	0.71 (0.86)				7.82	0.03			
BH01		16.50-16.95	0.07 (0.08)	0.05 (0.07)				7.21	0.01			
BH02		1.20-1.65	0.12 (0.14)	0.17 (0.21)				7.24	0.01			
BH02		7.50-7.95	0.15 (0.19)	<.01 (0.01)				6.97	0.01			
BH02		19.50-19.95	0.05 (0.06)	0.01 (0.01)				7.35	<0.01			
BH02		28.50-28.95	0.74 (0.88)	0.12 (0.14)				7.60	0.03			

NCP - No Chloride present

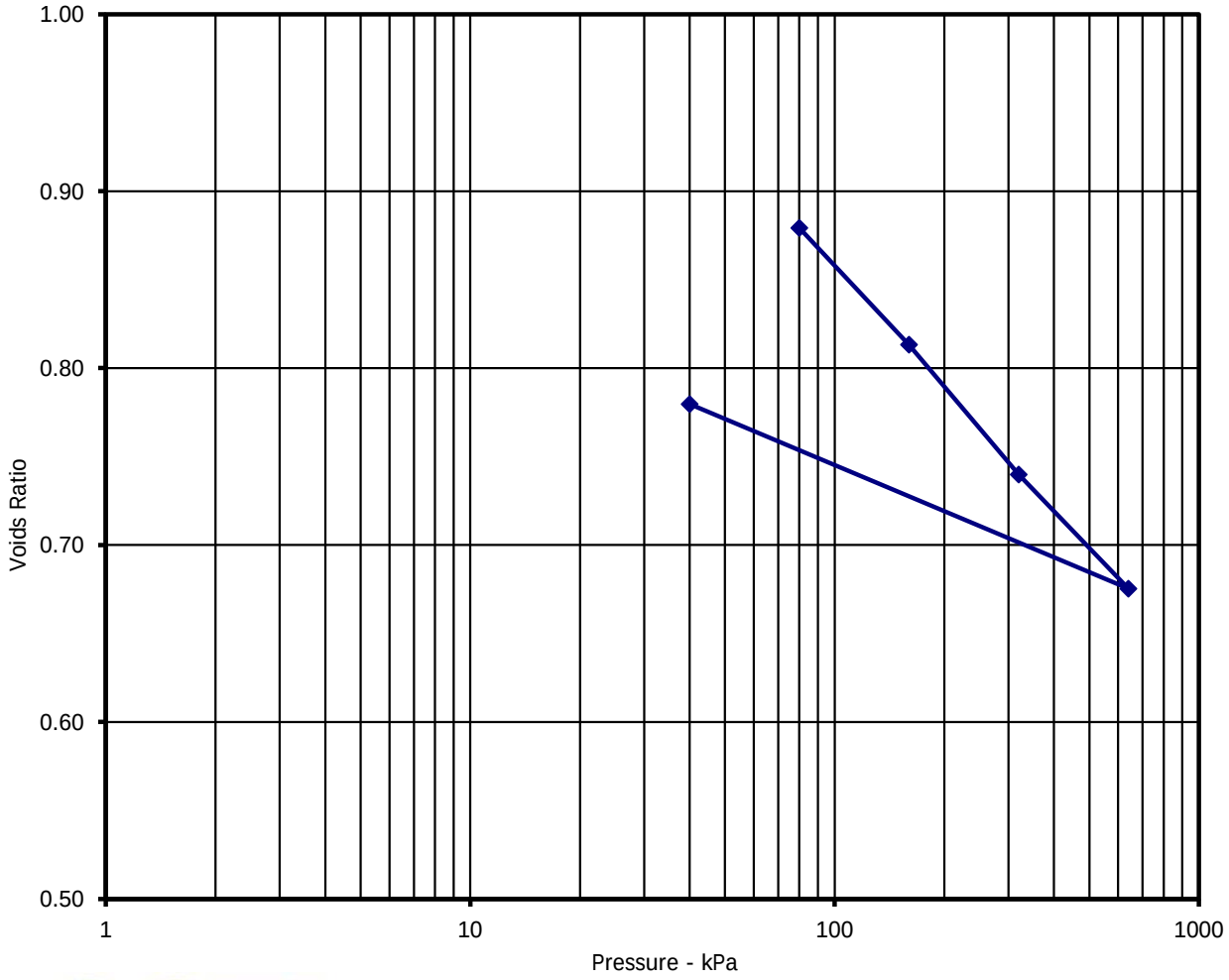
Test Report: ONE DIMENSIONAL CONSOLIDATION

BS1377: Part 5: 1990

Client ref: **GSI 0457**

Location: **Homles Road, Kentish Town, London**
Contract Number: **27191-100615**
Hole/Sample Number: **BH01**
Depth (m) : **4.00 - 4.45**
Sample Type: **U**
Description : **Brown silty CLAY**

Initial Conditions		Pressure Range			Mv	Cv	Method of time fitting used
Moisture Content (%):	31	kPa			m2/MN	m2/yr	Cv Calculated using t90
Bulk Density (Mg/m3):	1.82	0	-	80	0.20	32	Nominal Laboratory Temperature
Dry Density (Mg/m3):	1.39	80	-	160	0.44	4.2	
Voids Ratio:	0.9091	160	-	320	0.25	16	Location of specimen with sample
Degree of saturation:	91.6	320	-	640	0.12	1.3	top
Height (mm):	19.77	640	-	40	0.10	2.8	Remarks:
Diameter (mm)	75.02						
Particle Density (Mg/m3	2.65						
Assumed							



GSTL
GEO SITE & TESTING SERVICES LTD

Checked by:

Approved by:

Date approved: 03/07/15

UKAS TESTING 2788

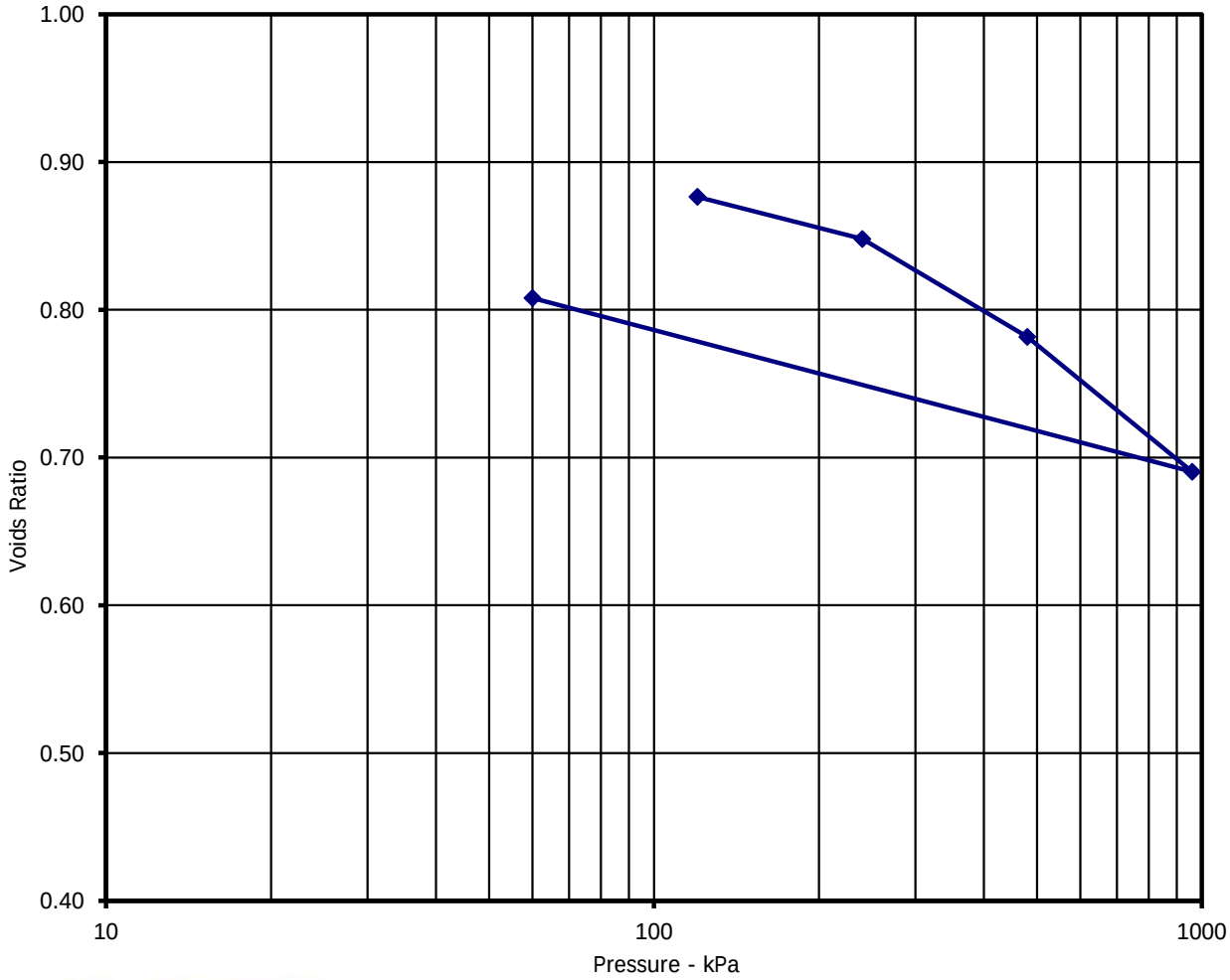
Test Report: ONE DIMENSIONAL CONSOLIDATION

BS1377: Part 5: 1990

Client ref: **GSI 0457**

Location: **Holmes Road, Kentish Town, London**
Contract Number: **27191-100615**
Hole/Sample Number: **BH01**
Depth (m) : **6.00 - 6.45**
Sample Type: **U**
Description : **Brown silty CLAY.**

Initial Conditions		Pressure Range			Mv	Cv	Method of time fitting used
Moisture Content (%):	34	kPa			m2/MN	m2/yr	Cv Calculated using t90
Bulk Density (Mg/m3):	1.88	0	-	120	0.065	42	Nominal Laboratory Temperature
Dry Density (Mg/m3):	1.40	120	-	240	0.13	6.4	
Voids Ratio:	0.8911	240	-	480	0.15	2.3	Location of specimen with sample
Degree of saturation:	101.7	480	-	960	0.11	1.30	top
Height (mm):	18.73	960	-	60	0.077	0.9	Remarks:
Diameter (mm)	74.95						
Particle Density (Mg/m3	2.65						
Assumed							



GSTL
GEO SITE & TESTING SERVICES LTD

Checked by
Emma Williams (Office Manager)

Approved by
Paul Evans (Quailty Manager)

Date approved: 29/06/15

UKAS TESTING
2788

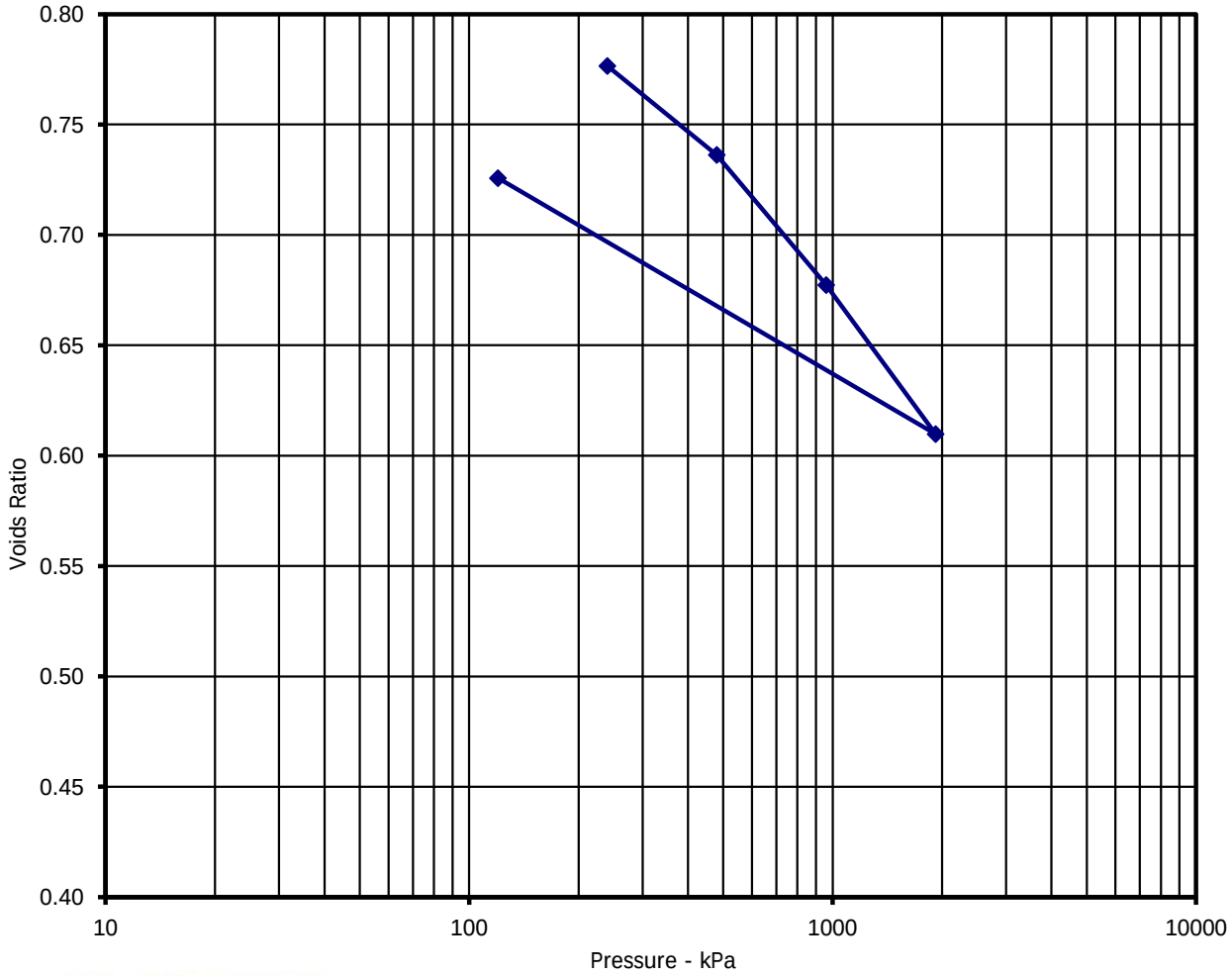
Test Report: ONE DIMENSIONAL CONSOLIDATION

BS1377: Part 5: 1990

Client ref: **GSI 0457**

Location: **Holmes Road, Kentish Town, London**
Contract Number: **27191-100615**
Hole/Sample Number: **BH01**
Depth (m) : **12.00 - 12.45**
Sample Type: **U**
Description : **Brown silty CLAY.**

Initial Conditions		Pressure Range			Mv	Cv	Method of time fitting used
Moisture Content (%):	30	kPa			m2/MN	m2/yr	Cv Calculated using t90
Bulk Density (Mg/m3):	1.93	0	-	240	0.031	45	Nominal Laboratory Temperature
Dry Density (Mg/m3):	1.48	240	-	480	0.094	4.9	
Voids Ratio:	0.7900	480	-	960	0.071	1.2	Location of specimen with sample
Degree of saturation:	101.3	960	-	1920	0.042	0.76	top
Height (mm):	20.04	1920	-	120	0.04	0.83	Remarks:
Diameter (mm)	50.02						
Particle Density (Mg/m3	2.65						
Assumed							



GSTL
GEO SITE & TESTING SERVICES LTD

Checked by
Emma Williams (Office Manager)

Approved by
Paul Evans (Quailty Manager)

Date approved: 29/06/15

UKAS TESTING
2788

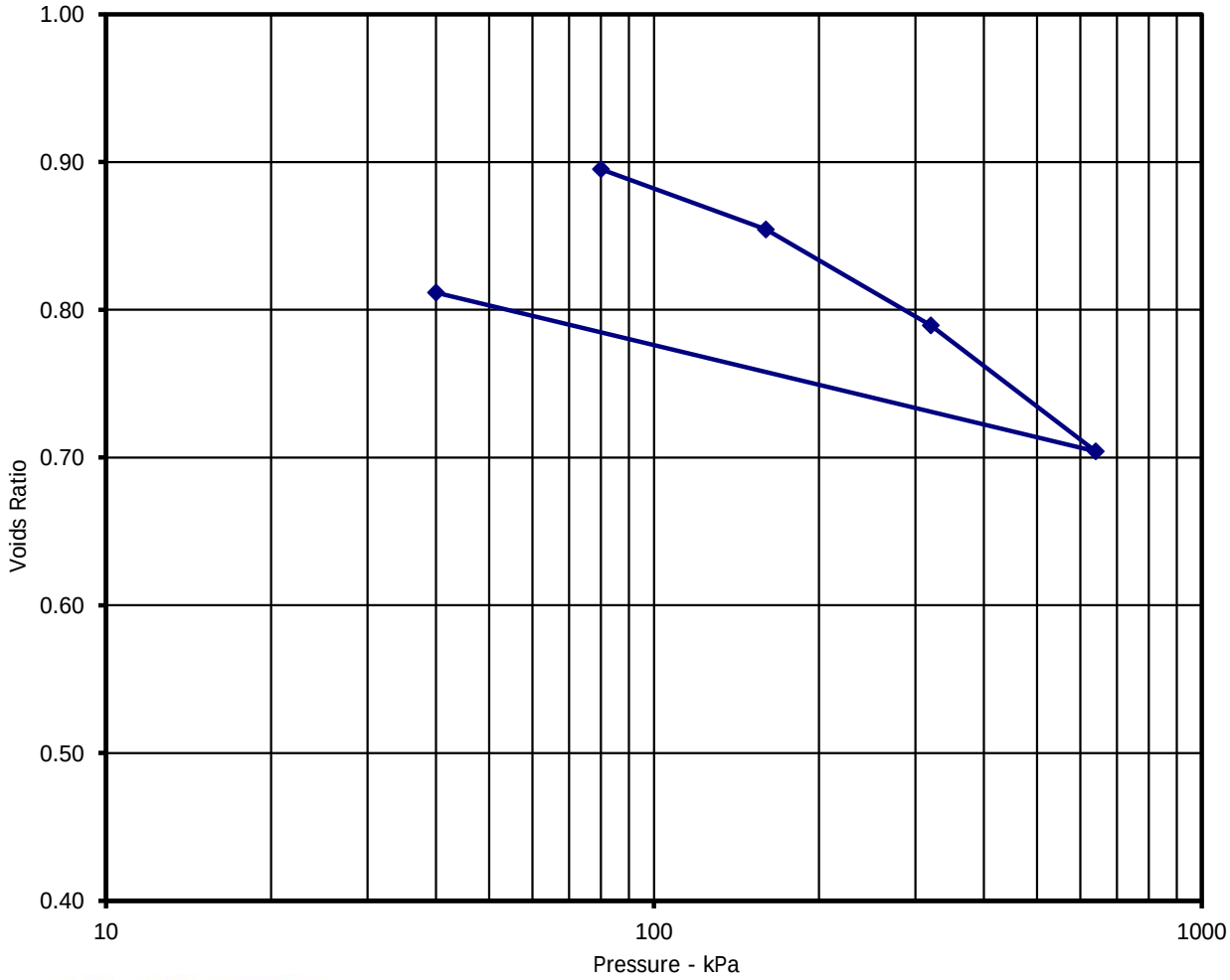
Test Report: ONE DIMENSIONAL CONSOLIDATION

BS1377: Part 5: 1990

Client ref: **GSI 0457**

Location: **Holmes Road, Kentish Town, London**
Contract Number: **27191-100615**
Hole/Sample Number: **BH02**
Depth (m) : **4.00 - 4.45**
Sample Type: **U**
Description : **Brown silty CLAY.**

Initial Conditions		Pressure Range			Mv	Cv	Method of time fitting used
Moisture Content (%):	35	kPa			m2/MN	m2/yr	Cv Calculated using t90
Bulk Density (Mg/m3):	1.86	0	-	80	0.14	46	Nominal Laboratory Temperature
Dry Density (Mg/m3):	1.38	80	-	160	0.27	10	
Voids Ratio:	0.9168	160	-	320	0.22	9.9	Location of specimen with sample
Degree of saturation:	100.4	320	-	640	0.15	9.10	top
Height (mm):	19.76	640	-	40	0.11	1.5	Remarks:
Diameter (mm)	74.91						
Particle Density (Mg/m3	2.65						
Assumed							



GSTL
GEO SITE & TESTING SERVICES LTD

Checked by
Emma Williams (Office Manager)

Approved by
Paul Evans (Quailty Manager)

Date approved: 29/06/15

UKAS TESTING
2788

Test Report: ONE DIMENSIONAL CONSOLIDATION

BS1377: Part 5: 1990

Client ref: **GSI 0457**

Location: **Holmes Road, Kentish Town, London**

Contract Number: **27191-100615**

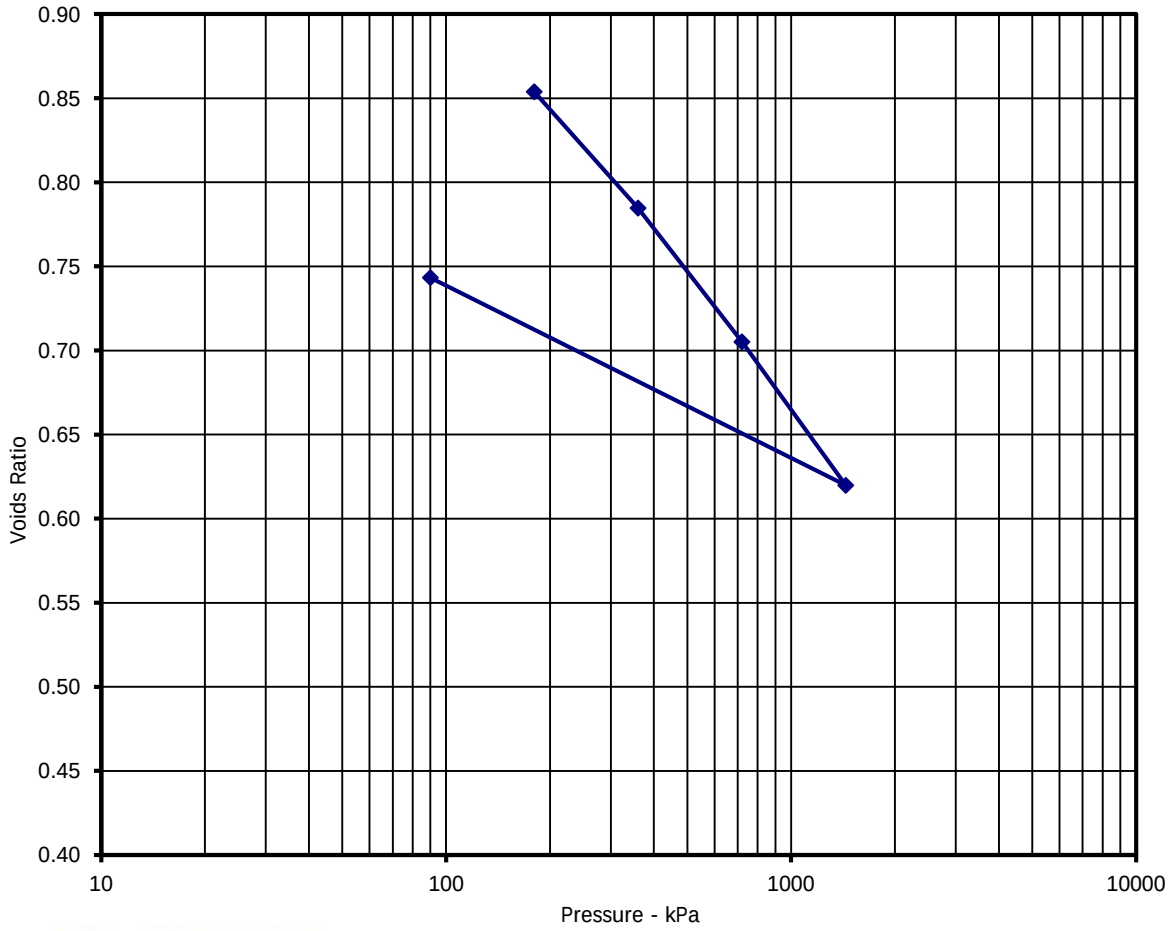
Hole/Sample Number: **BH02**

Depth (m) : **9.00 - 9.45**

Sample Type: **U**

Description : **Brown silty CLAY.**

Initial Conditions		Pressure Range kPa			Mv m2/MN	Cv m2/yr	Method of time fitting used Cv Calculated using t90
Moisture Content (%):	32						
Bulk Density (Mg/m3):	1.83	0	-	180	0.17	46	Nominal Laboratory Temperature
Dry Density (Mg/m3):	1.39	180	-	360	0.21	4.1	
Voids Ratio:	0.9124	360	-	720	0.12	0.78	Location of specimen with sample
Degree of saturation:	93.8	720	-	1440	0.07	0.52	top
Height (mm):	19.88	1440	-	90	0.056	1.4	Remarks:
Diameter (mm)	75						
Particle Density (Mg/m3) Assumed	2.65						



GSTL
GEO SITE & TESTING SERVICES LTD

Checked by
Emma Williams (Office Manager)

Approved by
Paul Evans (Quailty Manager)

Date approved: 30/06/15

UKAS TESTING 2788

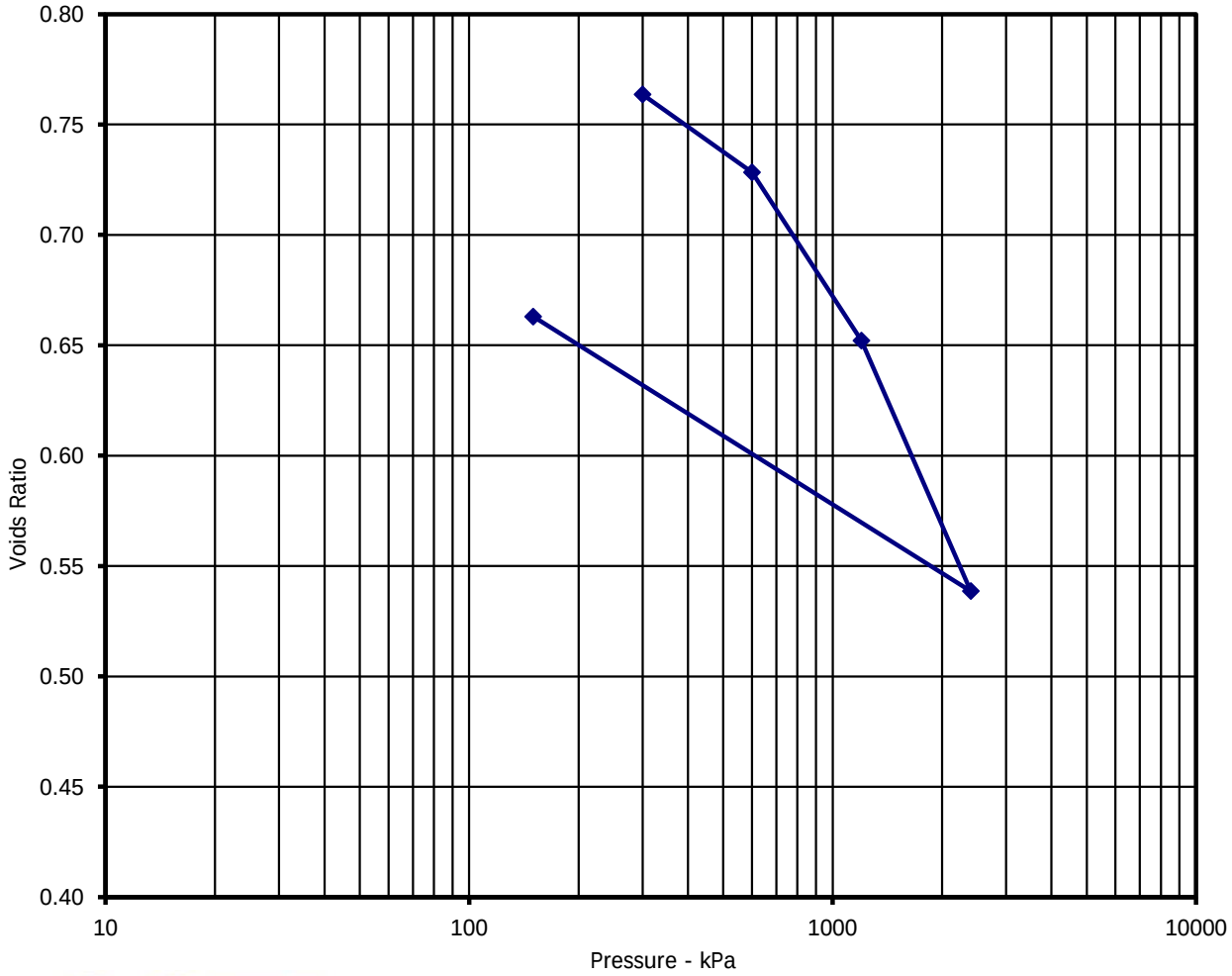
Test Report: ONE DIMENSIONAL CONSOLIDATION

BS1377: Part 5: 1990

Client ref: **GSI 0457**

Location: **Holmes Road, Kentish Town, London**
Contract Number: **27191-100615**
Hole/Sample Number: **BH02**
Depth (m) : **15.00 - 15.45**
Sample Type: **U**
Description : **Brown silty CLAY.**

Initial Conditions		Pressure Range			Mv	Cv	Method of time fitting used
Moisture Content (%):	29	kPa			m2/MN	m2/yr	Cv Calculated using t90
Bulk Density (Mg/m3):	1.93	0	-	300	0.023	46	Nominal Laboratory Temperature
Dry Density (Mg/m3):	1.49	300	-	600	0.067	3.7	
Voids Ratio:	0.7760	600	-	1200	0.074	0.82	Location of specimen with sample
Degree of saturation:	100.1	1200	-	2400	0.057	0.36	top
Height (mm):	20.13	2400	-	150	0.036	0.26	Remarks:
Diameter (mm)	50.01						
Particle Density (Mg/m3	2.65						
Assumed							



GSTL
GEO SITE & TESTING SERVICES LTD

Checked by
Emma Williams (Office Manager)

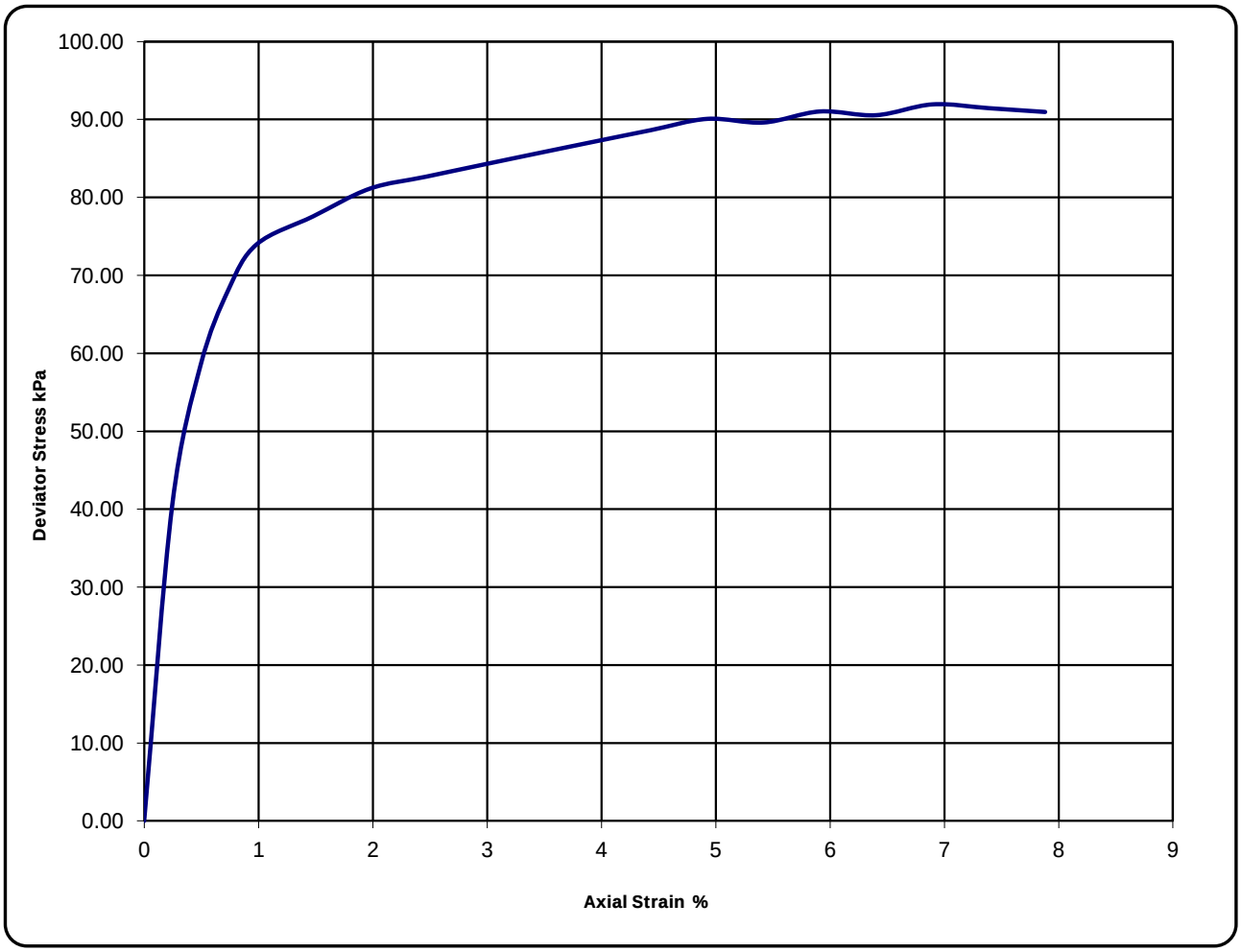
Approved by
Paul Evans (Quailty Manager)

Date approved: 07/07/15

UKAS TESTING
2788

Test Report: **Undrained Shear Strength in Triaxial Compression**
BS 1377 : Part7 : Clause 8 : 1990 Single Stage Test
without measurement of Pore Pressure

Client ref:	**GSI 0457**
Location:	**Holmes Road, Kentish Town, London**
Contract Number:	**27191-100615**
Hole Number	**BH01**
Sample Number:	
Depth (m) :	**4.00 - 4.45**
Sample Type :	**U**
Sample Description :	**Firm brown silty CLAY**



Diameter (mm):		102	Height (mm):		203	Test:	U 102 mm Single Stage.		
Specimen	Moisture Content (%)	Bulk Density (Mg/m3)	Dry Density (Mg/m3)	Cell Pressure (kPa)	Deviator Stress (kPa)	Cohesion (kPa)	Failure Strain (%)	Mode of Failure	Remarks Sample taken from Top of tube Rate of strain = 2 %/min
A	30	1.92	1.48	80	92	46	6.9	Compound	Latex Membrane used 0.2 mm thickness

GEO Site & Testing Services Limited

Checked By:

Approved By:

Date Approved: 3.7.15

UKAS TESTING 2788

Test Report: **Undrained Shear Strength in Triaxial Compression**
BS 1377 : Part7 : Clause 8 : 1990 Single Stage Test
without measurement of Pore Pressure

Client ref:	**GSI 0457**
Location:	**Holmes Road, Kentish Town, London**
Contract Number:	**27191-100615**
Hole Number	**BH01**
Sample Number:	
Depth (m) :	**4.00 - 4.45**
Sample Type :	**U**

Post Test Specimen

Specimen Split

Diameter (mm):		102	Height (mm):		203	Test:	U 102 mm Single Stage.		
Specimen	Moisture Content (%)	Bulk Density (Mg/m3)	Dry Density (Mg/m3)	Cell Pressure (kPa)	Deviator Stress (kPa)	Cohesion (kPa)	Failure Strain (%)	Mode of Failure	Remarks Sample taken from Top of tube Rate of strain = 2 %/min
A	30	1.92	1.48	80	92	46	6.9	Compound	Latex Membrane used 0.2 mm thickness

GSTL
GEO Site & Testing Services Limited

Checked By:

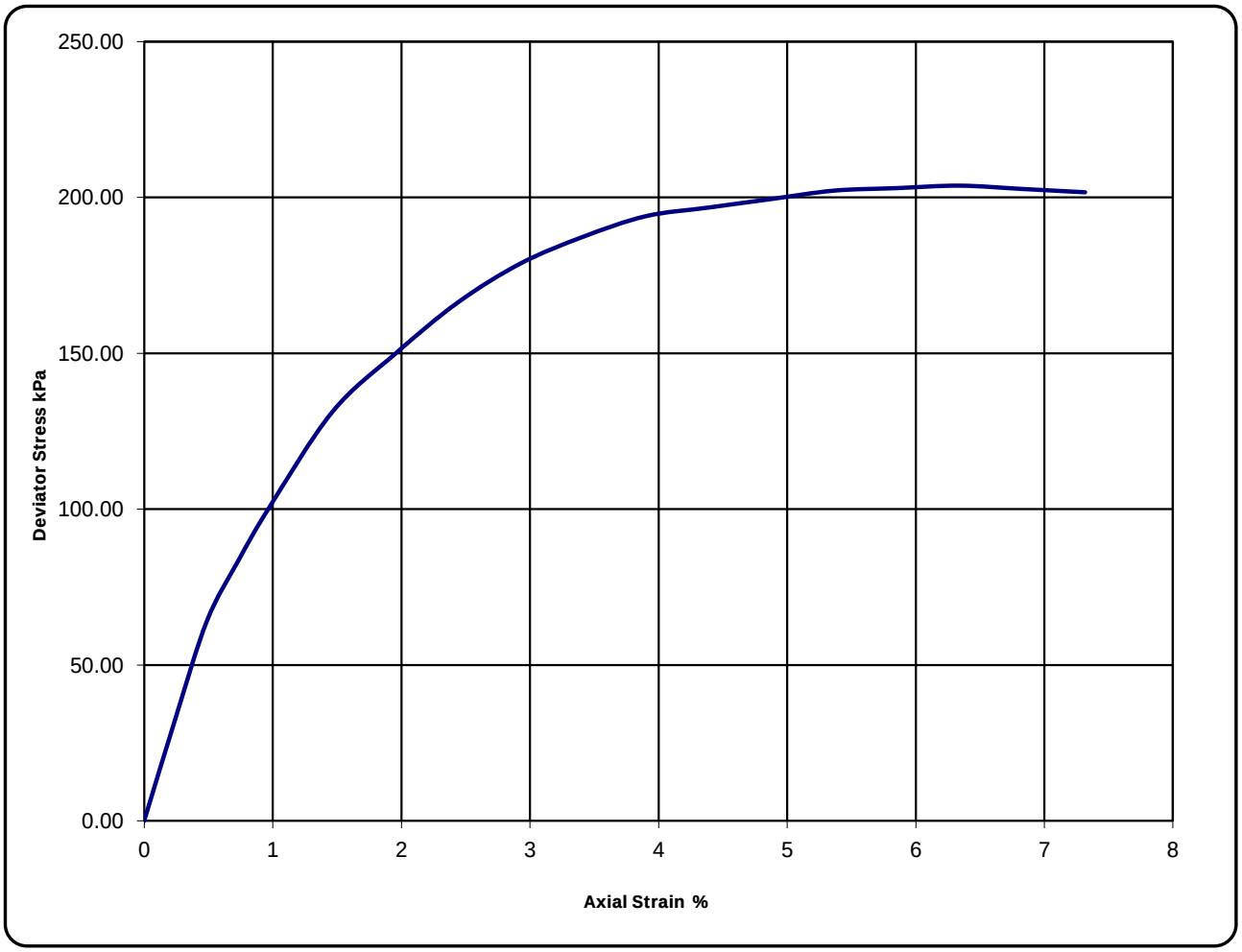
Approved By:

UKAS TESTING
2788

Date Approved: 3.7.15

Test Report: **Undrained Shear Strength in Triaxial Compression**
BS 1377 : Part7 : Clause 8 : 1990 Single Stage Test
without measurement of Pore Pressure

Client ref:	**GSI 0457**
Location:	**Holmes Road, Kentish Town, London**
Contract Number:	**27191-100615**
Hole Number	**BH01**
Sample Number:	
Depth (m) :	**6.00 - 6.45**
Sample Type :	**U**
Sample Description :	**Stiff brown silty CLAY**



Diameter (mm):		103	Height (mm):		205	Test:	U 103 mm Single Stage.		
Specimen	Moisture Content (%)	Bulk Density (Mg/m3)	Dry Density (Mg/m3)	Cell Pressure (kPa)	Deviator Stress (kPa)	Cohesion (kPa)	Failure Strain (%)	Mode of Failure	Remarks Sample taken from Top of tube Rate of strain = 2 %/min
A	35	1.91	1.41	120	204	102	6.3	Compound	Latex Membrane used 0.2 mm thickness

GSTL
GEO Site & Testing Services Limited

Checked By:

Approved By:

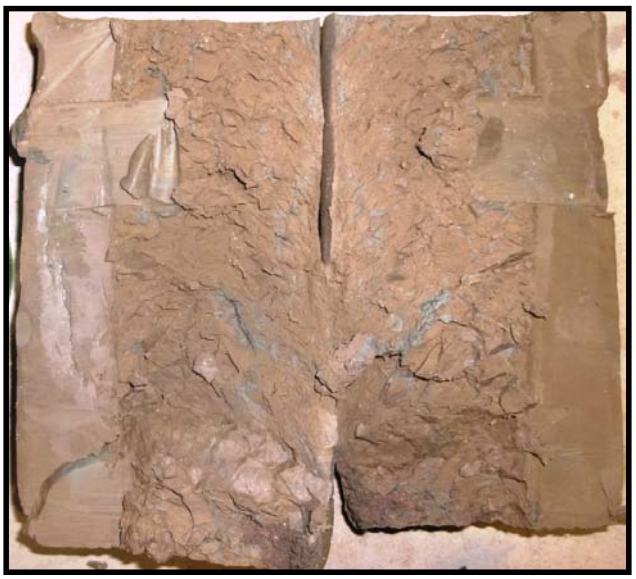
Date Approved: 3.7.15

UKAS TESTING
2788

Test Report: **Undrained Shear Strength in Triaxial Compression**
BS 1377 : Part7 : Clause 8 : 1990 Single Stage Test
without measurement of Pore Pressure

Client ref:	**GSI 0457**
Location:	**Holmes Road, Kentish Town, London**
Contract Number:	**27191-100615**
Hole Number	**BH01**
Sample Number:	
Depth (m) :	**6.00 - 6.45**
Sample Type :	**U**

Post Test Specimen



Specimen Split

Diameter (mm):		103	Height (mm):		205	Test:	U 103 mm Single Stage.		
Specimen	Moisture Content (%)	Bulk Density (Mg/m3)	Dry Density (Mg/m3)	Cell Pressure (kPa)	Deviator Stress (kPa)	Cohesion (kPa)	Failure Strain (%)	Mode of Failure	Remarks Sample taken from Top of tube Rate of strain = 2 %/min
A	35	1.91	1.41	120	204	102	6.3	Compound	Latex Membrane used 0.2 mm thickness

GSTL
GEO Site & Testing Services Limited

Checked By:

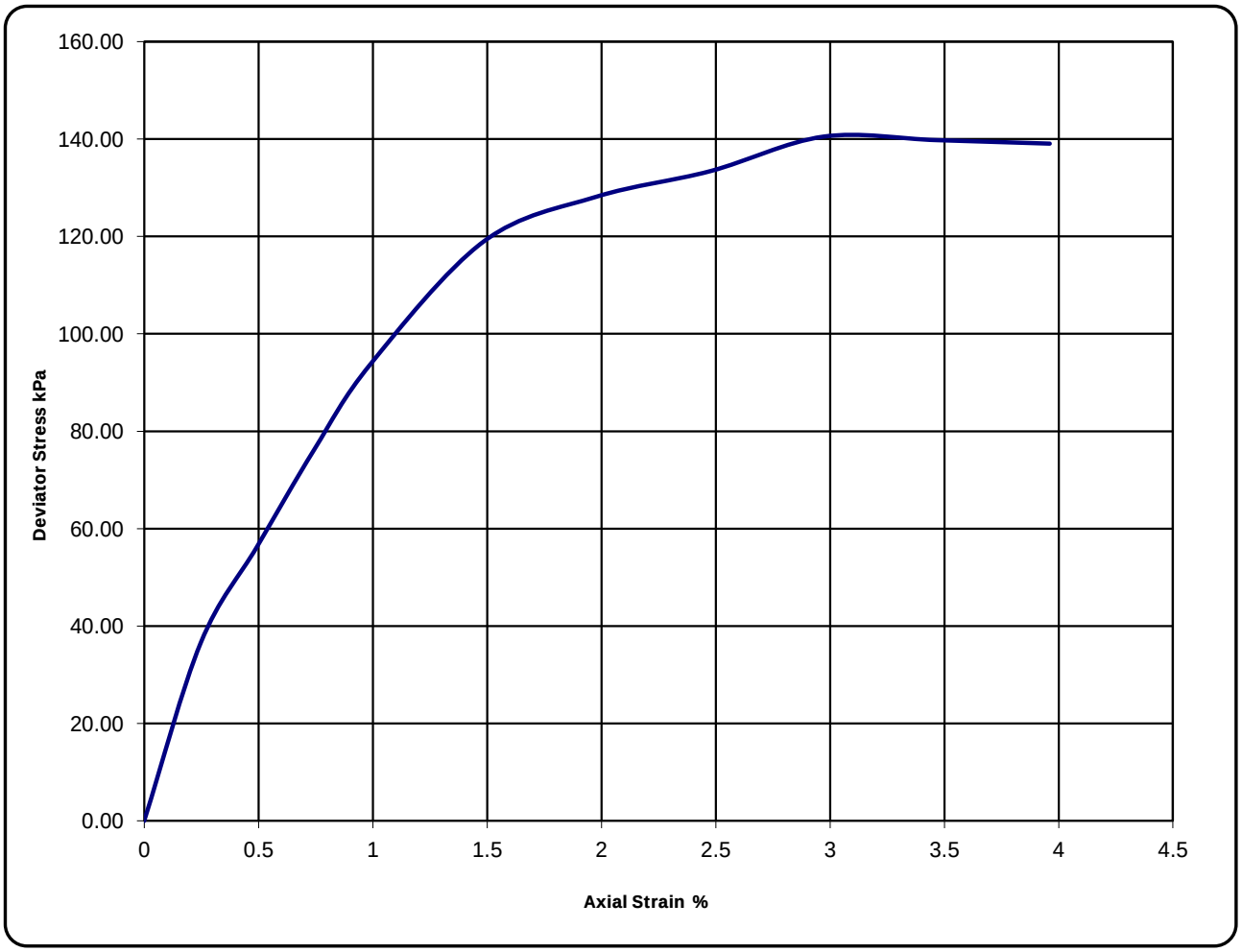
Approved By:

UKAS TESTING 2788

Date Approved: 3.7.15

Test Report: **Undrained Shear Strength in Triaxial Compression**
BS 1377 : Part7 : Clause 8 : 1990 Single Stage Test
without measurement of Pore Pressure

Client ref:	**GSI 0457**
Location:	**Holmes Road, Kentish Town, London**
Contract Number:	**27191-100615**
Hole Number	**BH01**
Sample Number:	
Depth (m) :	**12.00 - 12.45**
Sample Type :	**U**
Sample Description :	**Firm brown silty CLAY**



Diameter (mm):		102	Height (mm):		202	Test:	U 102 mm Single Stage.		
Specimen	Moisture Content (%)	Bulk Density (Mg/m3)	Dry Density (Mg/m3)	Cell Pressure (kPa)	Deviator Stress (kPa)	Cohesion (kPa)	Failure Strain (%)	Mode of Failure	Remarks Sample taken from Top of tube Rate of strain = 2 %/min
A	31	1.97	1.51	240	140	70	3.0	Compound	Latex Membrane used 0.2 mm thickness

GSTL
GEO Site & Testing Services Limited

Checked By:

Approved By:

Date Approved: 3.7.15

UKAS TESTING
2788

Test Report: **Undrained Shear Strength in Triaxial Compression**
BS 1377 : Part7 : Clause 8 : 1990 Single Stage Test
without measurement of Pore Pressure

Client ref:	**GSI 0457**
Location:	**Holmes Road, Kentish Town, London**
Contract Number:	**27191-100615**
Hole Number	**BH01**
Sample Number:	
Depth (m) :	**12.00 - 12.45**
Sample Type :	**U**

Post Test Specimen

Specimen Split

Diameter (mm):		102	Height (mm):		202	Test:	U 102 mm Single Stage.		
Specimen	Moisture Content (%)	Bulk Density (Mg/m3)	Dry Density (Mg/m3)	Cell Pressure (kPa)	Deviator Stress (kPa)	Cohesion (kPa)	Failure Strain (%)	Mode of Failure	Remarks Sample taken from Top of tube Rate of strain = 2 %/min
A	31	1.97	1.51	240	140	70	3.0	Compound	Latex Membrane used 0.2 mm thickness

GSTL
GEO Site & Testing Services Limited

Checked By:

Approved By:

UKAS TESTING 2788

Date Approved: 3.7.15

APPENDIX E

CHEMICAL TESTING RESULTS

envirolab
Units 7 & 8 Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 15/03836
Issue Number: 1 **Date:** 17 June, 2015

Client:
Geocon Site Investigations Ltd
15 Belmont Drive
Marple Bridge
Stockport
UK
SK6 5EA

Project Manager: Ian Walker
Project Name: Holmes Road, Kentish Town, London
Project Ref: GSI0457
Order No: PO 15/0229
Date Samples Received: 08/06/15
Date Instructions Received: 11/06/15
Date Analysis Completed: 17/06/15

Prepared by:

Danielle Brierley
Administrative Assistant

Approved by:

Iain Haslock
Analytical Consultant

Envirolab Job Number: 15/03836

Client Project Name: Holmes Road, Kentish Town, London

Client Project Ref: GSI0457

Lab Sample ID	15/03836/1	15/03836/5							Units	Method ref
Client Sample No	1	1								
Client Sample ID	BH01	BH02								
Depth to Top	0.30	0.60								
Depth To Bottom										
Date Sampled	05-Jun-15	02-Jun-15								
Sample Type	Soil - ES	Soil - ES								
MCERTS Sample Matrix Code	1A	5A								
% Stones >10mm$_A^{\#}$	52.8	4.0							% w/w	A-T-044
pH$_D^{M\#}$	11.61	8.40							pH	A-T-031s
Sulphate (water sol 2:1)$_D^{M\#}$	0.21	0.47							g/l	A-T-026s
Cyanide (total)$_A^{M\#}$	<1	<1							mg/kg	A-T-042sTCN
Phenols - Total by HPLC$_A$	<0.2	<0.2							mg/kg	A-T-050s
Arsenic$_D^{M\#}$	6	14							mg/kg	A-T-024s
Cadmium$_D^{M\#}$	<0.5	<0.5							mg/kg	A-T-024s
Copper$_D^{M\#}$	15	75							mg/kg	A-T-024s
Chromium$_D^{M\#}$	10	20							mg/kg	A-T-024s
Lead$_D^{M\#}$	79	401							mg/kg	A-T-024s
Mercury$_D$	0.33	1.12							mg/kg	A-T-024s
Nickel$_D^{M\#}$	8	21							mg/kg	A-T-024s
Selenium$_D^{M\#}$	<1	<1							mg/kg	A-T-024s
Zinc$_D^{M\#}$	32	69							mg/kg	A-T-024s

Envirolab Job Number: 15/03836

Client Project Name: Holmes Road, Kentish Town, London

Client Project Ref: GSI0457

Lab Sample ID	15/03836/1	15/03836/5							Units	Method ref
Client Sample No	1	1								
Client Sample ID	BH01	BH02								
Depth to Top	0.30	0.60								
Depth To Bottom										
Date Sampled	05-Jun-15	02-Jun-15								
Sample Type	Soil - ES	Soil - ES								
MCERTS Sample Matrix Code	1A	5A								
TPH CWG										
Ali >C5-C6$_A^{\#}$	<0.01	<0.01							mg/kg	A-T-022s
Ali >C6-C8$_A^{\#}$	<0.01	<0.01							mg/kg	A-T-022s
Ali >C8-C10$_A^{\#}$	<0.01	<0.01							mg/kg	A-T-022s
Ali >C10-C12$_A^{\#}$	<0.1	<0.1							mg/kg	A-T-023s
Ali >C12-C16$_A^{\#}$	<0.1	<0.1							mg/kg	A-T-023s
Ali >C16-C21$_A^{\#}$	<0.1	<0.1							mg/kg	A-T-023s
Ali >C21-C35$_A^{\#}$	0.9	<0.1							mg/kg	A-T-023s
Total Aliphatics$_A$	0.9	<0.1							mg/kg	A-T-022+23s
Aro >C5-C7$_A^{\#}$	<0.01	<0.01							mg/kg	A-T-022s
Aro >C7-C8$_A^{\#}$	<0.01	<0.01							mg/kg	A-T-022s
Aro >C8-C9$_A^{\#}$	<0.01	<0.01							mg/kg	A-T-022s
Aro >C9-C10$_A^{\#}$	<0.01	<0.01							mg/kg	A-T-022s
Aro >C10-C12$_A^{\#}$	<0.1	<0.1							mg/kg	A-T-023s
Aro >C12-C16$_A^{\#}$	<0.1	<0.1							mg/kg	A-T-023s
Aro >C16-C21$_A^{\#}$	1.9	<0.1							mg/kg	A-T-023s
Aro >C21-C35$_A^{\#}$	5.8	<0.1							mg/kg	A-T-023s
Total Aromatics$_A$	7.6	<0.1							mg/kg	A-T-022+23s
TPH (Ali & Aro)$_A$	8.4	<0.1							mg/kg	A-T-022+23s
BTEX - Benzene$_A^{\#}$	<0.01	<0.01							mg/kg	A-T-022s
BTEX - Toluene$_A^{\#}$	<0.01	<0.01							mg/kg	A-T-022s
BTEX - Ethyl Benzene$_A^{\#}$	<0.01	<0.01							mg/kg	A-T-022s
BTEX - m & p Xylene$_A^{\#}$	<0.01	<0.01							mg/kg	A-T-022s
BTEX - o Xylene$_A^{\#}$	<0.01	<0.01							mg/kg	A-T-022s
MTBE$_A^{\#}$	<0.01	<0.01							mg/kg	A-T-022s

Envirolab Job Number: 15/03836

Client Project Name: Holmes Road, Kentish Town, London

Client Project Ref: GSI0457

Lab Sample ID	15/03836/1	15/03836/5							Units	Method ref
Client Sample No	1	1								
Client Sample ID	BH01	BH02								
Depth to Top	0.30	0.60								
Depth To Bottom										
Date Sampled	05-Jun-15	02-Jun-15								
Sample Type	Soil - ES	Soil - ES								
MCERTS Sample Matrix Code	1A	5A								
PAH 16										
Acenaphthene$_A^{M\#}$	<0.01	<0.01							mg/kg	A-T-019s
Acenaphthylene$_A^{M\#}$	<0.01	<0.01							mg/kg	A-T-019s
Anthracene$_A^{M\#}$	0.03	0.02							mg/kg	A-T-019s
Benzo(a)anthracene$_A^{M\#}$	0.08	<0.04							mg/kg	A-T-019s
Benzo(a)pyrene$_A^{M\#}$	0.08	<0.04							mg/kg	A-T-019s
Benzo(b)fluoranthene$_A^{M\#}$	0.07	<0.05							mg/kg	A-T-019s
Benzo(ghi)perylene$_A^{M\#}$	0.07	<0.05							mg/kg	A-T-019s
Benzo(k)fluoranthene$_A^{M\#}$	0.09	<0.07							mg/kg	A-T-019s
Chrysene$_A^{M\#}$	0.11	<0.06							mg/kg	A-T-019s
Dibenzo(ah)anthracene$_A^{M\#}$	<0.04	<0.04							mg/kg	A-T-019s
Fluoranthene$_A^{M\#}$	0.20	<0.08							mg/kg	A-T-019s
Fluorene$_A^{M\#}$	<0.01	<0.01							mg/kg	A-T-019s
Indeno(123-cd)pyrene$_A^{M\#}$	0.06	<0.03							mg/kg	A-T-019s
Naphthalene$_A^{M\#}$	<0.03	<0.03							mg/kg	A-T-019s
Phenanthrene$_A^{M\#}$	0.10	0.10							mg/kg	A-T-019s
Pyrene$_A^{M\#}$	0.17	<0.07							mg/kg	A-T-019s
PAH (total 16)$_A^{M\#}$	1.04	0.13							mg/kg	A-T-019s

REPORT NOTES

Notes - Soil chemical analysis
All results are reported as dry weight (<40°C).
For samples with Matrix Codes 1 - 6 natural stones >10mm are removed or excluded from the sample prior to analysis and reported results corrected to a whole sample basis. For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis.

Notes - General
This report shall not be reproduced, except in full, without written approval from Envirolab.
Subscript "A" indicates analysis performed on the sample as received. "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve, unless asbestos is found to be present in which case all analysis is performed on the sample as received.
All analysis is performed on the dried and crushed sample for samples with Matrix Code 7 and this supercedes any "A" subscripts.
All analysis is performed on the sample as received for soil samples from outside the European Union and this supercedes any "D" subscripts.
Superscript "M" indicates method accredited to MCERTS.
If results are in italic font they are associated with an AQC failure. These are not accredited and are unreliable.
A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

TPH analysis of water by method A-T-007
Free and visible oils are excluded from the sample used for analysis so that the reported result represents the dissolved phase only.

Asbestos in soil
Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if present as discrete fibres/fragments. Stones etc. are not removed from the sample prior to analysis.
Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified a being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Predominant Matrix Codes:
1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER.
Samples with Matrix Code 7 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations.

Secondary Matrix Codes:
A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

IS indicates Insufficient sample for analysis.
NDP indicates No Determination Possible.
NAD indicates No Asbestos Detected.
N/A indicates Not Applicable.
Superscript # indicates method accredited to ISO 17025.
Analytical results reflect the quality of the sample at the time of analysis only. Opinions and interpretations expressed are outside the scope of our accreditation.

Please contact us if you need any further information.

envirolab
Units 7 & 8, Sandpits Business Park
Mottram Road, Hyde, Cheshire, SK14 3AR

Final Test Report

Envirolab Job Number:	15/03836		
Issue Number:	2	Date:	23-Jul-15

Client:
Geocon Site Investigations Ltd
15 Belmont Drive
Marple Bridge
Stockport
UK
SK6 5EA

Project Manager:	Ian Walker
Project Name:	Holmes Road, Kentish Town, London
Project Ref:	GSI0457
Order No:	PO 15/0229
Date Samples Received:	8-Jun-15
Date Instructions Received:	11-Jun-15
Date Analysis Completed:	23-Jul-15

Notes - Soil analysis

All results are reported as dry weight (<40℃).

For samples with Matrix Codes 1 - 6 natural stones >10mm are removed or excluded from the sample prior to analysis and reported results corrected to a whole sample basis.

For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis.

Notes - General

This report shall not be reproduced, except in full, without written approval from Envirolab.

Subscript "A" indicates analysis performed on the sample as received. "D" indicates analysis performed on the dried sample, crushed to pass a 2mm sieve, unless asbestos is found to be present in which case all analysis is performed on the sample as received.

All analysis is performed on the dried and crushed sample for samples with Matrix Code 7 and this supercedes any "A" subscripts.

All analysis is performed on the sample as received for soil samples from outside the European Union and this supercedes any "D" subscripts

Superscript "M" indicates method accredited to MCERTS.

A deviating samples report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid

Predominant Matrix Codes: 1 = SAND, 2 = LOAM, 3 = CLAY, 4 = LOAM/SAND, 5 = SAND/CLAY, 6 = CLAY/LOAM, 7 = OTHER.

Samples with Matrix Code 7 are not predominantly a SAND/LOAM/CLAY mix and are not covered by our BSEN 17025 or MCERTS accreditations.

Secondary Matrix Codes: A = contains stones, B = contains construction rubble, C = contains visible hydrocarbons, D = contains glass/metal, E = contains roots/twigs.

IS indicates Insufficient sample for analysis, NDP indicates No Determination Possible and NAD indicates No Asbestos Detected.

Superscript # indicates method accredited to ISO 17025.

Analytical results reflect the quality of the sample at the time of analysis only. Opinions and interpretations expressed are outside the scope of our accreditation.

Please contact us if you need any further information.

Prepared by:

Melanie Marshall
Laboratory Coordinator

Approved by:

Iain Haslock
Analytical Consultant

UKAS TESTING
No. 1247

mCERTS
THE ENVIRONMENT AGENCY'S MONITORING CERTIFICATION SCHEME

envirolab

Sample Details								Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	ISO17025	MCERTS	15/03836/2						
Client Sample Number				2				Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Client Sample ID				BH01						
Depth to Top				1						
Depth to Bottom										
Date Sampled				05/06/2015						
Sample Type				Soil - ES						
Sample Matrix Code				6A						
Solid Waste Analysis										
pH (pH Units)$_D$	A-T-031	Y	Y	**9.74**				-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N	N	**1.41**				-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N	N	**0.22**				-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	Y	N	**4.9**				-	-	10
Total Organic Carbon (%)$_D$	A-T-032	Y	Y	**2.8**				3	5	6
PAH Sum of 17 (mg/kg) $_A$	A-T-019	N	N	**5.3**				100	-	-
Mineral Oil (mg/kg)$_A$	A-T-007	N	N	**<10**				500	-	-
Sum of 7 PCBs (mg/kg)$_D$	A-T-004	N	N	**<0.007**				1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N	N	**<0.01**				6	-	-
Eluate Analysis				**2:1**	**8:1**	**2:1**	**Cumulative 10:1**	**Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg (mg/kg)**		
				mg/l		**mg/kg**				
Arsenic	A-T-025	Y	N	0.014	0.015	0.029	**0.150**	0.5	2	25
Barium	A-T-025	Y	N	0.015	0.006	0.031	**0.070**	20	100	300
Cadmium	A-T-025	Y	N	<0.001	<0.001	<0.002	**<0.01**	0.04	1	5
Chromium	A-T-025	Y	N	0.018	0.004	0.038	**0.050**	0.5	10	70
Copper	A-T-025	Y	N	0.016	0.008	0.035	**0.090**	2	50	100
Mercury	A-T-025	Y	N	<0.0001	<0.0001	<0.0002	**<0.001**	0.01	0.2	2
Molybdenum	A-T-025	Y	N	0.044	0.007	0.093	**0.100**	0.5	10	30
Nickel	A-T-025	Y	N	0.001	<0.001	0.003	**<0.01**	0.4	10	40
Lead	A-T-025	Y	N	<0.001	0.002	<0.002	**<0.01**	0.5	10	50
Antimony	A-T-025	Y	N	0.006	0.004	0.012	**0.040**	0.06	0.7	5
Selenium	A-T-025	Y	N	0.004	0.002	0.008	**0.020**	0.1	0.5	7
Zinc	A-T-025	Y	N	0.004	0.002	0.010	**0.020**	4	50	200
Chloride	A-T-026	Y	N	62	7	132	**117**	800	15000	25000
Fluoride	A-T-026	Y	N	<0.10	0.2	<0.2	**<1**	10	150	500
Sulphate as SO_4	A-T-026	Y	N	519	84	1107	**1221**	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N	694	165	1480	**2124**	4000	60000	100000
Phenol Index	A-T-050	N	N	<0.01	<0.01	<0.02	**<0.1**	1	-	-
Dissolved Organic Carbon	A-T-032	N	N	<20.0	<20.0	<40	**<200**	500	800	1000
Leach Test Information										
pH (pH Units)	A-T-031	N	Y	9.5	10.0					
Conductivity (µS/cm)	A-T-037	N	N	1387	329					
Mass Sample (kg)				0.200						
Dry Matter (%)	A-T-044	N	N	87.9						
Stage 1										
Volume Leachant, L_2 (l)	A-T-046			<1						
Filtered Eluate Volume, VE_1 (l)	A-T-046			<1						
Stage 2										
Volume Leachant, L_8 (l)	A-T-046			1.000						

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Sample Details								Landfill Waste Acceptance Criteria Limits		
Lab Sample ID	Method	ISO17025	MCERTS	15/03836/6						
Client Sample Number				2				Inert Waste Landfill	Stable Non-reactive Hazardous Waste in Non-Hazardous Landfill	Hazardous Waste Landfill
Client Sample ID				BH02						
Depth to Top				1						
Depth to Bottom										
Date Sampled				02/06/2015						
Sample Type				Soil - ES						
Sample Matrix Code				6A						
Solid Waste Analysis										
pH (pH Units)$_D$	A-T-031	Y	Y	**8.16**				-	>6	-
ANC to pH 4 (mol/kg)$_D$	A-T-ANC	N	N	**0.61**				-	to be evaluated	to be evaluated
ANC to pH 6 (mol/kg)$_D$	A-T-ANC	N	N	**0.13**				-	to be evaluated	to be evaluated
Loss on Ignition (%)$_D$	A-T-030	Y	N	**20.6**				-	-	10
Total Organic Carbon (%)$_D$	A-T-032	Y	Y	**17.1**				3	5	6
PAH Sum of 17 (mg/kg) $_A$	A-T-019	N	N	**1.61**				100	-	-
Mineral Oil (mg/kg)$_A$	A-T-007	N	N	**<10**				500	-	-
Sum of 7 PCBs (mg/kg)$_D$	A-T-004	N	N	**<0.007**				1	-	-
Sum of BTEX (mg/kg)$_A$	A-T-022	N	N	**<0.01**				6	-	-
Eluate Analysis				**2:1**	**8:1**	**2:1**	**Cumulative 10:1**	**Limit values for compliance leaching test using BS EN 12457-3 at L/S 10 l/kg (mg/kg)**		
				mg/l		**mg/kg**				
Arsenic	A-T-025	Y	N	0.016	0.023	0.041	**0.230**	0.5	2	25
Barium	A-T-025	Y	N	0.032	0.017	0.082	**0.200**	20	100	300
Cadmium	A-T-025	Y	N	<0.001	<0.001	<0.002	**<0.01**	0.04	1	5
Chromium	A-T-025	Y	N	0.003	0.001	0.007	**0.010**	0.5	10	70
Copper	A-T-025	Y	N	0.005	0.009	0.014	**0.090**	2	50	100
Mercury	A-T-025	Y	N	<0.0001	<0.0001	<0.0002	**<0.001**	0.01	0.2	2
Molybdenum	A-T-025	Y	N	0.068	0.016	0.174	**0.220**	0.5	10	30
Nickel	A-T-025	Y	N	<0.001	<0.001	<0.002	**<0.01**	0.4	10	40
Lead	A-T-025	Y	N	<0.001	0.013	<0.002	**<0.01**	0.5	10	50
Antimony	A-T-025	Y	N	0.004	0.003	0.011	**0.030**	0.06	0.7	5
Selenium	A-T-025	Y	N	0.007	0.002	0.019	**0.020**	0.1	0.5	7
Zinc	A-T-025	Y	N	0.003	0.005	0.009	**0.050**	4	50	200
Chloride	A-T-026	Y	N	15	2	38	**32**	800	15000	25000
Fluoride	A-T-026	Y	N	0.4	0.5	1.0	**5.0**	10	150	500
Sulphate as SO_4	A-T-026	Y	N	216	38	556	**576**	1000	20000	50000
Total Dissolved Solids	A-T-035	N	N	348	89	897	**1194**	4000	60000	100000
Phenol Index	A-T-050	N	N	<0.01	<0.01	<0.02	**<0.1**	1	-	-
Dissolved Organic Carbon	A-T-032	N	N	<20.0	<20.0	<40	**<200**	500	800	1000
Leach Test Information										
pH (pH Units)	A-T-031	N	Y	7.7	8.1					
Conductivity (µS/cm)	A-T-037	N	N	695	179					
Mass Sample (kg)				0.199						
Dry Matter (%)	A-T-044	N	N	77						
Stage 1										
Volume Leachant, L_2 (l)	A-T-046			<1						
Filtered Eluate Volume, VE_1 (l)	A-T-046			<1						
Stage 2										
Volume Leachant, L_8 (l)	A-T-046			1.000						

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APPENDIX F

CHEMICAL SCREENING CRITERIA

GeoCon Site Investigations Ltd

August 2013

GENERIC SCREENING CRITERIA

FOR

GENERIC QUANTITATIVE RISK ASSESSMENT

GeoCon Screening Values For a Residential End Use With Consumption of Home Grown Vegetables at 1% SOM **August 2013**

Compound	SSV's Residential With Consumption of Home Grown Vegetables		WSV's Residential		DWS		EQS	
	mg/kg	Ref	mg/l	Ref	µg/l	Ref	µg/l	Ref
Metals								
Antimnoy	113	E	-	-	-	-	-	-
Arsenic	32	E	-	-	10	F	50	G
Barium	43.4	E	-	-	-	-	-	-
Beryllium	60.3	E	-	-	-	-	-	-
Boron	291	B	-	-	-	-	-	-
Cadmium (pH 6, 7, 8)	10	E	-	-	5	F	5	G
Chromium III	627	B	-	-	-	-	-	-
Chromium VI	4.3	B	-	-	50	F	5	G
Copper	3970	E	-	-	2000	F	1	G
Lead	276	E	-	-	25	F	4	G
Mercury (elemental)	0.0607	E	0.00463	E	-	-	-	-
Mercury (Inorganic)	170	E	-	-	-	-	-	-
Mercury (methyl)	6.28	E	45.5	E	1	F	1	G
Molybdenum	74.6	E	-	-	-	-	-	-
Nickel	130	E	-	-	20	F	50	G
Selenium	350	E	-	-	10	F	-	-
Vanadium	113	E	-	-	-	-	-	-
Zinc	16900	E	-	-	5000	F	75	G
Non-Metals								
Free-Cyanide (Total)	34	E	-	-	50	F	-	-
Phenol and Chlorophenols								
Phenol	162	E	1690	E	0.5	F	-	-
Chlorophenols	0.87	B	-	-	-	-	-	-
Pentachlorophenol	0.55	B	-	-	-	-	-	-
Poly Aromatic Hydrocarbons (PAH) (1.0% SOM)								
Acenapthene	588	E	-	-	-	-	-	-
Acenapthylene	170	B	-	-	-	-	-	-
Anthracene	8270	E	-	-	-	-	-	-
Benzo(a)anthracene	4.52	E	-	-	-	-	-	-
Benzo(a)pyrene	0.818	E	-	-	-	-	-	-
Benzo(b)fluoranthene	7.72	E	-	-	-	-	-	-
Benzo(ghi)perylene	96.2	E	-	-	0.01	F	-	-
Benzo(k)fluoranthene	84.4	E	-	-	-	-	-	-
Chrysene	585	E	-	-	-	-	-	-
Dibenzo(ah)anthracene	0.838	E	-	-	-	-	-	-
Fluoranthene	822	E	-	-	-	-	0.02	G
Fluorene	615	E	-	-	-	-	-	-
Indeno(123-cd)pyrene	7.31	E	-	-	-	-	-	-
Napthalene	0.585	E	0.952	E	-	-	-	-
Phenanthrene	92	B	-	-	-	-	-	-
Pyrene	563	E	-	-	-	-	-	-

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Compound	SSV's Residential With Consumption of Home Grown Vegetables		WSV's Residential		DWS		EQS	
	mg/kg	Ref	mg/l	Ref	µg/l	Ref	µg/l	Ref
Total PAH	-		-	-	0.2	F	-	-
Petroleum Hydrocarbons (TPH CWG)								
MTBE	20	E	-	-	-	-	-	-
Bezene	0.0493	E	0.0888	E	-	-	-	-
Toluene	86.9	E	96.4	E	-	-	-	-
Ethylbenzene	38.2	E	13.4	E	-	-	-	-
o-Xylene	18.9	E	5	E	-	-	-	-
m-Xylene	17.9	E	4.1	E	-	-	-	-
p-Xylene	17.2	E	4.29	E	-	-	-	-
TPH Aliphatic EC5-6	30.1	E	1.93	E	-	-	-	-
TPH Aliphatic EC6-8	69.8	E	1.4	E	-	-	-	-
TPH Aliphatic EC8-10	9.79	E	0.0296	E	-	-	-	-
TPH Aliphatic EC10-12	1390	E	0.0228	E	-	-	-	-
TPH Aliphatic EC12-16	5100	E	0.00547	E	-	-	-	-
TPH Aliphatic EC16-35	145000	E	-	-	-	-	-	-
TPH Aliphatic EC35-44	45000	B	-	-	-	-	-	-
TPH Aromatic EC5-7	0.0493	E	0.888	E	-	-	-	-
TPH Aromatic EC7-8	86.9	E	96.4	E	-	-	-	-
TPH Aromatic EC8-10	14.8	E	0.985	E	-	-	-	-
TPH Aromatic EC10-12	57.3	E	3.87	E	-	-	-	-
TPH Aromatic EC12-16	142	E	10.5	E	-	-	-	-
TPH Aromatic EC16-21	272	E	-	-	-	-	-	-
TPH Aromatic EC21-35	888	E	-	-	-	-	-	-
VOC and SVOC								
1,1,1-Trichloroethane	2.23	E	13.1	E	-	-	-	-
1,1,1,2-Tetrachloroethane	0.353	E	1.05	E	-	-	-	-
1,1,2,2-Tetrachloroethane	0.695	E	6.89	E	-	-	-	-
1,2-Dichloroethane	0.00190	E	0.0373	E	-	-	-	-
1,1,2 Trichloroethane	0.258	E	2.23	E	-	-	-	-
1,1-Dichloroethane	0.827	E	11.4	E	-	-	-	-
1,1-Dichloroethene	0.0857	E	0.683	E	-	-	-	-
1,2,4-Trimethylbenzene	0.906	E	0.11	E	-	-	-	-
1,2-Dichloropropane	0.00784	E	0.0969	E	-	-	-	-
2-Chloronaphthalene	1.42	E	0.695	E	-	-	-	-
2-Methylphenol	78.1	E	11000	E	-	-	-	-
2,4-Dichloro-o-cresol	31.1	E	1960	E	-	-	-	-
2,4-Dimethylphenol	17.2	E	291	E	-	-	-	-
2,4-Dinitrotoluene	1.41	E	3250	E	-	-	-	-
2,4,6-Trinitrotoluene	1.6	B	-	-	-	-	-	-
2,6-Dinitrotoluene	0.751	E	921	E	-	-	-	-
2,6-bis(1,1-dimethyl)-4-(1-methylpropyl)-phenol	21.7	E	13.2	E	-	-	-	-
3-Methylphenol	77.4	E	17900	-	-	-	-	-
4-Methylphenol	76.8	E	12000	-	-	-	-	-
Biphenyl	82.8	E	64.4	-	-	-	-	-
Bis (2-ethylhexyl) phthalate	282	E	-	-	-	-	-	-

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Compound	SSV's Residential With Consumption of Home Grown Vegetables		WSV's Residential		DWS		EQS	
	mg/kg	Ref	mg/l	Ref	µg/l	Ref	µg/l	Ref
Bromobenzene	0.319	E	0.941	E	-	-	-	-
Bromodichloromethane	0.00598	E	0.0725	E	-	-	-	-
Bromoform	1.4	E	15.9	E	-	-	-	-
Butyl benzyl phthalate	1410	E	-	-	-	-	-	-
Carbon disulphide	0.0739	E	-	-	-	-	-	-
Carbon tetrachloride	0.00656	E	0.0229	E	-	-	-	-
Chlorobenzene	3.49	E	13.7	-	-	-	-	-
Chloroethane	3.05	E	41.5	E	-	-	-	-
Chloroform / Trichloromethane	0.307	E	3.88	E	-	-	-	-
Chloromethane	0.00301	E	0.0531	E	-	-	-	-
Cis 1,2 Dichloroethene	0.0393	E	0.548	E	-	-	-	-
DDD	26.3	E	7.18	E	-	-	-	-
Dibromochloromethane	0.0623	E	0.394	E	-	-	-	-
Dichloromethane	0.382	E	13.6	E	-	-	-	-
Diethyl Phthalate	108	E	-	-	-	-	-	-
Di-n-butyl phthalate	12.9	E	-	-	-	-	-	-
Di-n-octyl phthalate	2250	E	-	-	-		-	-
Dinoseb	0.0477	E	0.11	E	-	-	-	-
Formaldehyde	1.89	E	21.6	E	-	-	-	-
Hexachlorobutadiene	0.21	B	-	-	-	-	-	-
Hexachloroethane	0.0735	E	0.0388	E	-	-	-	-
HMX	5.7	B	-	-	-	-	-	-
Isopropylbenzene	34.4	E	3.89	E	-	-	-	-
Methyl tert-butyl ether	20	E	352	E	-	-	-	-
Nicotine	0.0916	E	573	E	-	-	-	-
Prochloraz	8.49	E	-	-	-	-	-	-
Propylbenzene	85.6	E	12.3	E	-	-	-	-
RDX	3.5	B	-	-	-	-	-	-
Styrene	9.42	E	38.6	E	-	-	-	-
Tetrachloroethene	0.455	E	1.66	E	-	-	-	-
Total Cresols (2-, 3- and 4-methylphenol)	80	D	-	-	-	-	-	-
Trans 1,2 Dichloroethene	0.0671	E	0.676	E	-	-	-	-
Tributyl tin oxide	0.248	E	0.423	E	-	-	-	-
Trichloroethene	0.0382	E	0.222	E	-	-	-	-
Trichloromethane	0.018	B	-	-	-	-	-	-
Trichloromethylbenzene	0.000157	E	-	-	-	-	-	-
Vinyl chloride	0.000202	E	0.00248	E	-	-	-	-
Pesticides								
Aldrin	1.7	B	-	-	-	-	-	-
Dieldrin	0.69	B	-	-	-	-	-	-
Atrazine	0.24	B	-	-	-	-	-	-
Dichlorvos	0.29	B	-	-	-	-	-	-
Alpha-Endosulfans	2.9	B	-	-	-	-	-	-
Beta-Endosulfans	2.8	B	-	-	-	-	-	-
Alpha-Hexachlorocyclohexane	19	B	-	-	-	-	-	-
Beta-Hexachlorocyclohexane	1.7	B	-	-	-	-	-	-

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Compound	SSV's Residential With Consumption of Home Grown Vegetables		WSV's Residential		DWS		EQS	
	mg/kg	Ref	mg/l	Ref	µg/l	Ref	µg/l	Ref
Polychlorinated Biphenols (PCB)								
Sum of PCDDs, PCDFs and dioxin-like PCBs	8	A	-	-	-	-	-	-
Chlorobenzenes								
Chlorobenzene	0.33	B	-	-	-	-	-	-
1,2-Dichlorobenzene	16	B	-	-	-	-	-	-
1,3-Dichlorobenzene	0.29	B	-	-	-	-	-	-
1,4-Dichlorobenzene	30	B	-	-	-	-	-	-
Hexachlorobenzene	0.59	B	-	-	-	-	-	-
Pentachlorobenzene	5.2	B	-	-	-	-	-	-
1,2,3-Trichlorobenzene	1.0	B	-	-	-	-	-	-
1,2,4-Trichlorobenzene	1.8	B						
1,3,5-Trichlorobenzene	0.23	B						
1,2,3,4-Tetrachlorobenzene	12	B						
1,2,3,5-Tetrachlorobenzene	0.49	B	-	-	-	-	-	-
1,2,4,5-Tetrachlorobenzene	0.3	B	-	-	-	-	-	-

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Screening Criteria Reference Guide:

Soil GAC Source Reference	
A	UK (CLEA) Soil Guideline Value 2009
B	LQM GAC Values July 2009
C	UK (CLEA) Soil Guideline Value 2002
D	CL:AIRE GAC Values December 2009
E	AtRisk Soil Screening Values and Water Screening Values Produces by Atkins 2011
F	UK Drinking Water Standards (DWS)
G	Environment Agency, Environmental Quality Standards (EQS)
Abbreviations	
SOM	Soil Organic Matter
N/P	No pathway - no risk is posed by this substance under the specific land-use scenario
MTBE	Methyl Tertiary Butyl Ether - a petroleum fuel additive which is a common groundwater contaminant