

PRELIMINARY

A1

3	09.08.21	Swales updated to allow for trees
1	29.07.21	Site Layout updated
ev	Date	Revision Description
	F	Revision Schedule

Junction 10 – M40

ALBION LAND

CONCEPT SITE LEVELS

BAILEY JOHNSON HAYES Consulting Engineers

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Scale	1:2500 @A1	Drawing Number
Date	07.07.21	S1299-Ext-05 B
Drawn	JNG	
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TRIAL	- PIT	LOG					-	TP1
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		04/06/202	21			Scale		1:25
Ground	Level	127.05m	AOD	Coo	rdinates	E 454133.92 N 229380.57 Total Depth	1	.50m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES D	- 0.10 - 0.25 - - -		126.85 126.70 	(0.20) 0.20 (0.15) 0.35 (0.80)	E	Soft dark brown slightly slity slightly gravelly CLAY with occasional cobbles and occasional to frequent rootlets. Gravel is fine to coarse angular to subrounded limestone. Cobbles are angular to subrounded limestone. (TOPSOIL) Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Light orangish brown slightly clayey to clayey GRAVEL with frequent cobbles		
D	- - 0.90 		125.90	1.15		and rare to occasional boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)		
D	- 1.30 - 1.40 		125.90 - 125.57 125.55 - - - - - - - - - - - - -	1.15 (0.33) 1.48 (0.02) 1.50	Н	Light creamy brownish white slightly clayey GRAVEL with frequent cobbles and occasional boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION) Moderately strong LIMESTONE - unable to penetrate. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.50m		
	-							

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Stable

 Remarks:
 Terminated at 1.50m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

TRIAL I	PIT I	LOG					٦	ГР2
Project		Land adja	icent to .	Junction	10, M40	, Ardley Project No.	AG326	8-21
Client		Albion La	nd Ltd			Sheet	1	l of 1
Date		25/05/202	21			Scale		1:25
Ground Le	evel	126.39m	AOD	Coo	rdinates	E 454121.67 N 229318.88 Total Depth	1	.80m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
	0.20 0.50		- 126.09 - - -	(0.30) 0.30	E	Soft dark brown slightly gravelly slightly silty CLAY with occasional cobbles and occasional to frequent rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are angular to subrounded limestone. (TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
LB - - - -	0.90			(1.10)	М			
D –	1.40 1.60 1.70			(0.20) 1.60 (0.20)	M/H H/VH	Light creamy orangish brown very clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) Moderately strong thinly bedded light creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.80m		

Groundwater: Groundwater not encountered.	Length:	
Groundwater. Groundwater not encountered.		2.30m
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.80m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS

TRIAL	- PIT	LOG					-	TP3
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	ind Ltd			Sheet	·	1 of 1
Date		02/06/202	21			Scale		1:25
Ground	Level	vel 125.69m AOD Coordinates E 454117.33 N 229249.75 Total Depth		E 454117.33 N 229249.75 Total Depth	1	.60m		
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES D	- 0.10 - - - 0.40		_ 125.49 _ _	(0.20)	E E/M	Soft to firm dark reddish brown slightly slity slightly gravelly CLAY with occasional cobbles. Gravel is fine to coarse angular to subrounded limestone. Cobbles are angular to subrounded limestone. (TOPSOIL) Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to		10.00 Joo. 10.00
D	 0.90			0.60 (0.85)	м	subangular limestone. (WHITE LIMESTONE FORMATION) Orangish brown slightly clayey to clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		بامه، امه، امه، امه، امه،
B D	- - - 1.50 - 1.50 -		- 124.24 124.09 	1.45 (0.15) 1.60	н	Moderately strong thinly bedded light creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders. Gravel, cobbles and boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.60m		1 1 1 0° 1 0° 1 0° 1
	-							
	- - -							
	-							

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Stable

 Remarks:
 Terminated at 1.60m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

TRIA	_ PIT	LOG					-	TP4
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		25/05/202	21			Scale		1:25
Ground	d Level 124.57m AOD Coordinates E 454119.27 N 229180.37 Total Depth		E 454119.27 N 229180.37 Total Depth	1	.90m			
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - -		- 124.37- 124.27- -	(0.20) 0.20 (0.10) 0.30	E E	Soft dark brown slightly slity slightly gravelly CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone and quartzite. (TOPSOIL) Soft dark reddish brown slightly slity slightly gravelly CLAY with occasional		
D	- 0.60 - - -			(0.90)	м	cobbles and rare rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (SUBSOIL) Orangish brown slightly clayey to clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
D	- 1.20 -		123.37- - -	1.20	M/H	Light creamy orangish brownish white clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone.		o q 1 0 0 1
D B	- - 1.70 - 1.80 -			(0.50) 1.70 (0.20) 1.90	VH	(WHITE LIMESTONE FORMATION) Moderately strong thinly bedded light creamy brownish white LIMESTONE recovered as gravel, cobbles and boulders (maximum 0.30m x 0.30m) of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.90m		• • • • •

Method: Wheeled backhoe excavator.	Length: 2.30n	n
Groundwater: Groundwater not encountered.		
Stability: Stable	Width: 0.60n	n
Remarks: Terminated at 1.90m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM	
	Checked: AS	

Albion Land Ltd 25/05/2021	epth (m) Result Level (mAoD) Strata Depth (thickness) (m) .20 - (0.30) 123.45- 123.30 0.30 (0.15) .60 -	E Soft dark brown occasional cobb limestone and q (TOPSOIL) E Soft dark reddisl occasional cobb	Project No. Sheet Scale 2.31 N 229114.16 Total Depth Description of Strata Slightly slightly gravelly CLAY with frequent rootlets and les. Gravel is fine to coarse subangular to subrounded uartzite. Cobbles are subangular to subrounded limestone.	AG3268-21 1 of 1 1:25 1.80m Legend GW
25/05/2021 I23.75m AOD Result Level (mAoD) 123.45- 123.30 - - - - - - - - - - - - -	25/05/2021 vel 123.75m AOD Co epth Result Level Strata (mAoD) (thickness) .20 123.45 0.30 123.45 0.30 (0.15) 0.45	Ease of Dig E Soft dark brown occasional cobb limestone and q (TOPSOIL) E Soft dark reddisl occasional cobb	Scale 2.31 N 229114.16 Total Depth Description of Strata slightly silty slightly gravelly CLAY with frequent rootlets and les. Gravel is fine to coarse subangular to subrounded uartzite. Cobbles are subangular to subrounded limestone.	1:25 1.80m Legend GW
123.75m AOD Result Level (mAoD) 123.45- 123.30 - - - - - - - - - - - - -	vel 123.75m AOD Constraints epth (m) Result Level (mAoD) Strata (bickness) (mickness) .20 - - (0.30) 123.45- 0.30 (0.15) - 0.30 .60 - - -	Ease of Dig E Soft dark brown occasional cobb limestone and q (TOPSOIL) E Soft dark reddisl occasional cobb	2.31 N 229114.16 Total Depth Description of Strata slightly slightly gravelly CLAY with frequent rootlets and les. Gravel is fine to coarse subangular to subrounded uartzite. Cobbles are subangular to subrounded limestone.	1.80m Legend GW
Result Level (mAoD) 123.45- 123.30	epth (m) Result Level (mAoD) Strata Depth (thickness) (m) .20 - (0.30) 123.45- 123.30 0.30 (0.15) .60 -	Ease of Dig E Soft dark brown occasional cobb limestone and q (TOPSOIL) E Soft dark reddisl occasional cobb	Description of Strata slightly silty slightly gravelly CLAY with frequent rootlets and les. Gravel is fine to coarse subangular to subrounded uartzite. Cobbles are subangular to subrounded limestone.	Legend GW
Kesuit (mAoD) 	eptn (m) Result Level (mAoD) Depth (thickness) (m) (0.30) 123.45 123.30 1.60	of Dig E Soft dark brown occasional cobb limestone and q (TOPSOIL) E Soft dark reddisl occasional cobb	slightly silty slightly gravelly CLAY with frequent rootlets and les. Gravel is fine to coarse subangular to subrounded uartzite. Cobbles are subangular to subrounded limestone.	U U
123.30 	.20 123.45 0.30 (0.15) 123.30 0.45	E occasional cobb limestone and q (TOPSOIL) E Soft dark reddisl occasional cobb	les. Gravel is fine to coarse subangular to subrounded uartzite. Cobbles are subangular to subrounded limestone.	
- - - 122.65-			h brown slightly slity slightly gravelly CLAY with rare to les and rare rootlets. Gravel is fine to coarse subangular to	
122.65	(0.65) 	E/M Orangish brown Gravel is fine to to subangular lin	slightly clayey to clayey GRAVEL with frequent cobbles. coarse angular to subangular limestone. Cobbles are angula	
-	.40	is fine to coarse M subangular tabu (WHITE LIMEST	rownish cream clayey GRAVEL with frequent cobbles. Grave angular to subangular limestone. Cobbles are angular to lar limestone. FONE FORMATION)	
	.60 .70 122.15 (0.05) 1.60	VH VH Gravel is fine to to subangular ta (WHITE LIMEST Moderately stror LIMESTONE rec 0.30m) of fine to	ownish white slightly clayey GRAVEL with frequent cobbles. coarse angular to subangular limestone. Cobbles are angula bular limestone. <u>CONE FORMATION</u> ng thinly bedded light creamy brownish white fossiliferous covered as gravel, cobbles and boulders (maximum 0.30m x coarse angular to subangular tabular limestone. <u>CONE FORMATION</u> End of Trial Pit at 1.80m	

Method: Wheeled backhoe excavator.	Length:	2.30m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.80m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	КМ
	Checked	: AS

TRIA	L PIT	LOG					-	TP6
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	ind Ltd			Sheet		1 of 1
Date		25/05/202	21			Scale		1:25
Ground Level		122.80m	AOD		rdinates	E 454150.02 N 229060.97 Total Depth	2	.10m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- - 0.20 -		- - 122.50- -	(0.30) 0.30	E	Soft dark brown slightly slity slightly gravelly CLAY with occasional cobbles and frequent rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone.		
D	- 0.60 - -		-	(0.60)	E/M	subangular limestone. (WHITE LIMESTONE FORMATION)		े प - - -
D	- 0.90 		121.90- 	0.90 (0.50)	м	Light creamy brownish white clayey GRAVEL with frequent rootlets and occasional cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		0 9 - 0 - 0 - 0
D	- - - 1.60		 121.40- 	1.40	-	Moderately strong thinly bedded light creamy brownish white fossiliferous LIMESTONE recovered as fine to coarse angular to subangular gravel, cobbles and boulders (maximum 0.30m x 0.30m) of tabular limestone.		4 • • •
	-			(0.70)	Н/∨Н	(WHITE LIMESTONE FORMATION)		
В	2.00 		 120.70- 	2.10	-	End of Trial Pit at 2.10m		-
	-		-					
	-		-					
	-							
			-					
	-							
	- - -							
	- - -							
	_							

Method: Wheeled backhoe excavator.	Length:	2.30m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 2.10m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS

TRIA	L PIT	LOG					-	TP7
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	58-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		17/05/202	21			Scale		1:25
Ground	Level	127.86m	AOD	Coo	rdinates	E 454189.12 N 229522.51 Total Depth	2	.00m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- - 0.20 - -		- - 127.56- -	(0.30) 0.30	E	Soft light reddish brown slightly gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are angular to subrounded limestone. (TOPSOIL) Light orangish brown slightly sandy clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subrounded limestone. Cobbles are angular to subrounded limestone.		
D	- - - 0.80 - -			(0.90)	E/M	(WHITE LIMESTONE FORMATION)		مل نە م ل نە م ل نە م
D	- - - 1.40		126.66- - -	1.20 (0.40)	M	Moderately strong light creamy brown LIMESTONE recovered as gravel and cobbles of tabular subangular limestone and occasional boulders of subangular limestone. (WHITE LIMESTONE FORMATION)		-
B D	- - - 1.80 - 1.80		126.26-	1.60 (0.40)	VH	Moderately strong thinly bedded light creamy brownish grey fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
			125.8 6	2.00		End of Trial Pit at 2.00m		

Method: Wheeled backhoe excavator.	Length: 2.20m
Groundwater: Groundwater not encountered.	
Stability: Stable.	Width: 0.60m
Remarks: Terminated at 2.00m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

TRIA	_ PIT	LOG					-	TP8
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		17/05/202	21			Scale		1:25
Ground	Level	127.32m	AOD		rdinates	E 454189.04 N 229461.74 Total Depth	1	.80m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - - -		- - 127.02- - - -	(0.30) 0.30	E	Soft dark reddish brown slightly gravelly slightly slity CLAY with rare cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to angular limestone. Frequent rootlets near surface. (TOPSOIL) Orangish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	- 0.80 - - - -			(1.15)	E/M			لمقالمة المقالمة المقالمة
B	- 1.60 - 1.60 			1.45 (0.35) 1.80	VH	Moderately strong light creamy brownish grey fossiliferous LIMESTONE recovered as tabular gravel, cobbles and boulders of limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.80m		
	-							

Groundwater: Groundwater not encountered. Stability: Stable Remarks: Terminated at 1.80m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	2.20m
Remarks: Terminated at 1.80m bgl due to competent rock strength strata. Trial pit backfilled with arisings on	
	0.60m
	: KM
Check	d: AS

TRIAL	PIT I	LOG					•	TP9
Project		Land adja	icent to .	Junction	10, M40	, Ardley Project No.	AG320	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		18/05/202	21			Scale		1:25
Ground Lo	evel	126.08m	AOD		rdinates	E 454188.83 N 229392.01 Total Depth	1	.70m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
- - ES - - - -	0.40		_ 125.78 _ 125.58 _ _ _ _	(0.30) 0.30 (0.20) 0.50	E	Soft dark brown CLAY with frequent rootlets near surface. Gravel is fine to coarse subangular to subrounded limestone and quartzite. (TOPSOIL) Soft to firm reddish brown slightly gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are subangular to angular limestone. (SUBSOIL) Orangish brown clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse subangular to angular limestone. Cobbles are subangular to angular to angular limestone.		1.////////////////////////////////////
D	1.00		-	(0.80)	E/M	(WHITE LIMESTONE FORMATION)		o, loo, loo, loo,
— В –	1.40 1.60			(0.20) 1.50 (0.20)		Light creamy greyish white GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to angular limestone. Cobbles are subangular tabular limestone. (WHITE LIMESTONE FORMATION) Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.70m		

Method: Wheeled backhoe excavator.	Length: 2.20m
Groundwater: Groundwater not encountered.	
Stability: Stable	Width: 0.60m
Remarks: Terminated at 1.70m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

TRIA	L PIT	LOG					Т	P10
Project		Land adja	icent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		18/05/202	21			Scale		1:25
Ground	Level	126.22m	AOD		rdinates	E 454194.78 N 229312.02 Total Depth	2	.10m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - - - - -		_ 125.92- _ _ _ _	(0.30) 0.30	E	Soft dark brown slightly gravelly CLAY with occasional to frequent cobbles and frequent rootlets near the surface. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are subangular to angular limestone. (TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are angular to subrounded limestone. Cobbles are angular to subrounded limestone. (WHITE LIMESTONE FORMATION)		· 10 · 10 · 10 · 10 · 10 · 10 · 10 · 10
D	- - 0.90 - - -		-	(1.10)	М			9
D	- 1.40 - -		124.82- -	(0.50)		Light creamy brownish white GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
B D	- 2.00 - 2.00 -		124.32- 124.12- -	(0.20)		Moderately strong thinly bedded creamy whitish brown fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 2.10m		- - -

Method: Wheeled backhoe excavator.	Length: 2.30m
Groundwater: Groundwater not encountered.	
Stability: Stable	Width: 0.60m
Remarks: Terminated at 2.10m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

TRIAL PIT	LOG			T	P11
Project	Land adjacent to	Junction 10, M40	D, Ardley Project No.	AG326	68-21
Client	Albion Land Ltd		Sheet		1 of 1
Date	18/05/2021		Scale		1:25
Ground Level	125.60m AOD	Coordinate	s E 454188.14 N 229251.27 Total Depth	1	.90m
Sample / Test Type (m)	Result Level (mAoD)	Strata Depth (thickness) (m) Ease of Dig	Description of Strata	Legend	GW
ES 0.15 D 0.40	_ 125.35_ _ _ _ _	(0.25) E 0.25	Soft dark brown slightly gravelly CLAY with occasional cobbles and frequent rootlets near surface. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are subangular to subrounded limestone. (TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles and occasional boulders. Gravel is fine to coarse subangular limestone. Cobbles and boulders are subangular tabular limestone. (WHITE LIMESTONE FORMATION)		a a - la a - la a - la a la c - la a la c - la c
- - - D - 1.20 - -	- 	(1.35) M			
B - 1.80 D _ 1.80 	124.00- 123.70- 	(0.30) H/VH	Moderately strong thinly bedded light creamy brownish white fossiliferous LIMESTONE recovered as gravel cobbles and boulders of fine to coarse and angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.90m		<u>e</u> - -

Method: Wheeled backhoe excavator.	Length:	2.20m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.90m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS
	-	

TRIAL	_ PIT	LOG					т	P12
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	8-21
Client		Albion La	nd Ltd			Sheet	1	l of 1
Date		20/05/202	21			Scale		1:25
Ground	Level	124.60m	AOD	Coo	rdinates	E 454189.34 N 229181.27 Total Depth	1	.70m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - -		124.35	(0.25) 0.25	E	Soft dark brown slightly slightly gravelly CLAY with frequent rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are subangular to subrounded limestone. (TOPSOIL) Orangish brown clayey slightly sandy GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone.		
D	- 0.50 - -			(0.60)	м	subangular limestone. (WHITE LIMESTONE FORMATION)		
D	- 0.90 		123.75	0.85 (0.30) 1.15	M/H	Light creamy yellowish white clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
D	- 1.20 - -		-		н/vн	Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
B D	- 1.50 - 1.60			(0.40)	∨н	(
	-		122.90	1.70		End of Trial Pit at 1.70m		
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 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Stable

 Remarks:
 Terminated at 1.70m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

TRIAL	- PIT	LOG					T	P13
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		25/05/202	21			Scale		1:25
Ground	Level	122.98m	AOD	Coo	rdinates	E 454185.09 N 229109.09 Total Depth	1	.50m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
Sample / Test	Depth		Level	Strata Depth (thickness)	Ease	· · · · · · · · · · · · · · · · · · ·		

Method: Wheeled backhoe excavator. Length: Groundwater: Groundwater not encountered. Width: 0.60m Stability: Stable Remarks: Terminated at 1.50m bgl due to competent rock strength strata. Trial pit backfilled with arisings on Logged: KM completion. Checked: AS

TRIAL	- PIT	LOG					Т	P14
Project		Land adja	icent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		25/05/202	21			Scale		1:25
Ground	Level	121.92m	AOD	Coo	rdinates	E 454189.34 N 229041.95 Total Depth	1.6	
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - - - 0.50		- - 121.62- -	(0.30) 0.30	E	Soft dark brown slightly slity slightly gravelly CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is		
	- - -		- - 121.12-	(0.50) 0.80	E/M	fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Light creamy brownish white clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to		
D	 - 1.10 -			(0.60)	M/H	subangular limestone. (WHITE LIMESTONE FORMATION)		
B D	- - 1.50 - 1.50 -		120.52- 120.32- 	(0.20)	н∕∨н	Moderately strong thinly bedded light creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.60m		-
	-							
			-					
			-					
	-		-					
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	_		_					

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Stable

 Remarks:
 Terminated at 1.60m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

TRIA	_ PIT	LOG					T	P15
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		17/05/202	21		Scale			1:25
Ground	Level	126.28m AOD		8m AOD Coordina		E 454258.38 N 229461.42 Total Depth	2.10m	
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - - -		- 125.98 	(0.30) 0.30	E	Soft reddish brown slightly gravelly slightly silty CLAY with occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. Frequent rootlets near surface. (TOPSOIL) Orangish creamy brown clayey GRAVEL and COBBLES. Gravel is fine to coarse subangular to subrounded fossiliferous limestone. Cobbles are subangular to subrounded limestone.		
LB	- 0.70 - -					(WHITE LIMESTONE FORMATION)		4 2 2
D	- 1.00 - - - - - - - - -			(1.60)	E/M			
BD	- 2.00 - 2.00 		124.38- 	(0.20)	H/ VH	Light creamy brown slightly orange slightly sandy GRAVEL, COBBLES and BOULDERS. Gravel is fine to coarse subangular to subrounded moderately strong angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 2.10m		
	- - - -		- - - - - -					

Groundwater: Groundwater not encountered.	Length:	2.30m
N N N N N N N N N N N N N N N N N N N		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 2.10m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked:	AS

TRIA	_ PIT	LOG					T	P16
Project		Land adja	acent to .	Junction	10, M40	Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		17/05/202	21			Scale		1:25
Ground Level 125.83m AOD			rdinates	E 454258.67 N 229390.94 Total Depth	2	.40m		
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- - - - - - - - - - - -		- 125.53 - 125.23 - 125.23 - - - - - - -	(0.30)	E	Soft reddish brown slightly gravelly CLAY with rare cobbles. Gravel is fine to medium subangular to subrounded quartzite. Cobbles are subangular limestone. Frequent rootlets near surface. (TOPSOIL) Soft to firm reddish brown slightly gravelly CLAY with rare to occasional cobbles and rare rootlets. Gravel is fine to medium subangular to subrounded quartzite. Cobbles are limestone. (SUBSOIL) Orangish brown clayey slightly sandy GRAVEL. with frequent cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are subangular to subrounded limestone. (WHITE LIMESTONE FORMATION)		
D	- - - 1.40 - -			(1.30)	M/H			
D B	- 2.00 - - 2.20		123.93- - -	1.90	VH	Moderately strong thinly bedded light creamy brownish grey fossiliferous LIMESTONE. Recovered as slightly sandy gravel, cobbles and boulders of subangular limestone. (WHITE LIMESTONE FORMATION)		
			123.43	2.40		End of Trial Pit at 2.40m		

Groundwater: Groundwater not encountered. Stability: Stable Bernerice Terminated at 2.40m bol due to compatent pack strength strengt. Trial with backfilled with priving on	0	2.20m 0.60m
Stability: Stable	Width:	0.60m
Remarks: Terminated at 2.40m boldue to competent rock strength strata. Trial hit backfilled with arisings on		
completion.	Logged:	KM
	Checked:	AS

Project Land adjacent to Junction 10, M40, Ardley Project No. 6d3261 Client Albion Land Ltd Sheet 1 Date 26/05/2021 Scale Scale Commod Level 125.32m AOD Coordinates E 454254.27 N 229327.36 Total Depth 2. Strange Depth (m) Result Low do (mAoD) Soft dark brown slightly slity slightly gravelly CLAV with occasional cobbles. Coobles are angular to subrounded limestone. Cobbles are angular to subangular li	TRIAL				OG	PIT L	TRIAL
Date 26/05/201 Scale Corond Level 125.32m AOD Coordinates E 454254.27 N 229327.36 Total Depth Coordinates Legend 1 1 125.02 0.30 E Soft dark brown slightly slightly gravelly CLAV with occasional cobbles. Cobbles are angular to subrounded limestone. Cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles. Gravel is fine to coarse subangular to subrounded limestone. (WHITE LIMESTONE FORMATION) E dew 1.20m bgl: rare to occasional limestone boulders. Coarse is fine to coarse angular to subangular limestone. E dew 1.20m bgl: rare to occasional limestone boulders. Coarse is fine to coarse angular to subangular limestone. E dew 1.20m bgl: rare to occasional limestone boulders.	Project	ction 10, M40, Ardley Pro	ction 10, M40,	t to Junctio	Land adjacen	I	Project
Ground Level 125.32m AOD Coordinates E 454254.27 N 229327.36 Total Depth 2.1 Image: Sample Type Depth (m) Result Level Soft dark brown slightly sitly slightly gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular to subrounded quartite and limestone. (0.20) Soft dark brown slightly sitly slightly gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone. (TOPSOIL) Image: Charge state and the s	Client	She		td	Albion Land L		Client
Sample (Test Type Depth (m) Result Level (mAoD Beads (mAoD Ease of Dig Description of Strata Legend ES 0.20 125.02 0.30 E Gravel is fine to coarse subangular to subrounded imestone. (DDSOIL) Soft dark brown slightly silty slightly gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone. (DDSOIL) Soft reddish brown slightly silty slightly gravelly CLAY with rare to occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone. (SUBSOIL) Soft reddish brown slightly silty slightly gravelly CLAY with rare to occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone. (SUBSOIL) D 0.60 124.82 0.50 E Soft reddish brown slightly silty slightly gravelly CLAY with rare to occasional cobles. Gravel is fine to coarse subangular to subrounded limestone. (SUBSOIL) Cobles are angular to subangular to subangular to subangular to subangular imestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Soft reddish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular to subangular to subangular to subangular to subangular to subangular to subangular to	Date	Sca			26/05/2021	:	Date
Trest Type Depth (m) Result Level (mAoD) Depth (mAoD) Ease (mAoD) Description of Strata Legend ES 0.20 125.02 0.30 (0.30) E Soft dark brown slightly silty slightly gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. (TOPSOIL) Soft reddish brown slightly silty slightly gravelly CLAY with rare to occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone. (TOPSOIL) Soft reddish brown slightly silty slightly gravelly CLAY with rare to occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone. (SUBSOIL) Top (TOPSOIL) D 0.60 -	Ground L						
ES 0.20 125.02 0.30 E Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are angular to subrounded limestone. 125.02 0.30 D 0.60 124.82 0.50 Soft reddish brown slightly slitly slightly gravelly CLAY with rare to occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone. (SUBSOIL) Image: Cobbles. Gravel is fine to coarse subangular to subrounded limestone. (SUBSOIL) D 0.60 0.70 <td>/ Test</td> <td>Depth Ease Description of Strat</td> <td>epth Ease kness) of Dig</td> <td>AOD) (thickness)</td> <td></td> <td></td> <td>/ Test</td>	/ Test	Depth Ease Description of Strat	epth Ease kness) of Dig	AOD) (thickness)			/ Test
	Sample / Test Type - ES	Strata Jepth (m) Ease of Dig Description of Strate 0.30) E Soft dark brown slightly silty slightly gravelly CL Gravel is fine to coarse subangular to subrounde Cobbles are angular to subrounded limestone. (TOPSOIL) 0.30 E Soft reddish brown slightly silty slightly gravelly cobbles. Gravel is fine to coarse subangular to subrounded limestone. (SUBSOIL) 0.50 F Soft reddish brown slightly silty slightly gravelly cobbles. Gravel is fine to coarse subangular to subrounded limestone. (SUBSOIL) 0.50 Orangish brown clayey GRAVEL with frequent of angular to subangular limestone. Cobbles are a limestone. (WHITE LIMESTONE FORMATION) 1.20 M 1.20 M 1.20 M/H Light creamy orangish brown slightly clayey GR Gravel is fine to coarse angular to subangular li (WHITE LIMESTONE FORMATION) 1.20 H/VH 1.20 H/VH Light creamy orangish brown slightly clayey GR Gravel is fine to coarse angular to subangular li (WHITE LIMESTONE FORMATION) 1.205 H/VH LIMESTONE recovered as gravel, cobbles and angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)	trata Ease of Dig .30) E .30) E .30) E .20) E .50	Evel Strata Depth (thickness) (m) - (0.30) 5.02 0.30 - (0.20) 4.82 0.50 - - - (1.20) - -	Result Li (m 12 12 12 12 12 12 12 12 12 12 12 12	Depth (m) 0.20 0.60 0.70 1.60	Sample /Test Type ES D LB

Method: Wheeled backhoe excavator.	Length:	2.40m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 2.05m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS
	-	

TRIAL	_ PIT	LOG					Т	P18
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		27/05/202	21			Scale	1:2	
Ground	Level	124.53m	AOD		rdinates	E 454255.01 N 229254.01 Total Depth	2	.25m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - -		- - 124.23- -	(0.30) 0.30	E	Soft dark brown slightly gravelly slightly silty CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are angular to subrounded limestone. (TOPSOIL) Soft to firm reddish brown slightly gravelly slightly silty CLAY with occasional to		
D	- 0.60 - -			(0.60)	E	rare cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are subangular to subrounded limestone. (SUBSOIL)		
D	- 0.90 		123.63- 			Orangish yellowish brown clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
D	- - - 1.60		-	(0.80)	M/H			
D	- - 		122.83- - - 122.5 3 -	(0.30)	н	Light creamy brownish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
В	- 2.10 - 2.10 -		122.35	(0.25)	VH	Moderately strong thinly bedded LIMESTONE recovered as gravel, cobbles and boulders. Gravel, cobbles and boulders are fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 2.25m		
	-		-					

Method: Wheeled backhoe excavator. Length: 2.00m Groundwater: Groundwater not encountered. Width: 0.60m Stability: Stable Remarks: Terminated at 2.25m bgl due to competent rock strength strata. Trial pit backfilled with arisings on Logged: KM completion. Checked: AS

TRIAL	_ PIT	LOG					Т	P19
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		l of 1
Date		26/05/202	21			Scale		1:25
Ground	Ground Level 123.87m AOD			rdinates	E 454256.77 N 229181.99 Total Depth	1	.70m	
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- - 0.20 - -		- 123.57- -	(0.30) 0.30		Soft dark brown slightly slightly gravelly CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are angular to subrounded limestone. (TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone.		
D	- 0.70 -		-	(1.00)		(WHITE LIMESTONE FORMATION)		
D	- 1.00 -							
D	_ _ 1.40		122.57-	1.30 (0.25) 1.55		Light creamy brownish white slightly clayey GRAVEL with frequent cobbles and rare boulders (maximum 0.30m x 0.30m). Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular		
В	- 1.60 - - - - - - - - - - - - -		122.17- -	(0.15) 1.70		tabular, fossiliferous limestone. (WHITE LIMESTONE FORMATION) Moderately strong thinly bedded light creamy brownish white LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.70m		
	-							
	-		-					

Method: Wheeled backhoe excavator.	Length: 2.20m
Groundwater: Groundwater not encountered.	
Stability: Stable	Width: 0.60m
Remarks: Terminated at 1.70m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

TRIAL	PIT	LOG					ТІ	P20
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		17/05/202	21			Scale		1:25
Ground I	Level	113.56m /	AOD	Coo	rdinates	E 454954.00 N 228486.89 Total Depth	2	.20m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES -	- 0.10		113.20	(0.35) 0.35	E	Soft dark brown slightly slity slightly gravelly CLAY with rare cobbles and frequent rootlets near surface of strata. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Orangish yellowish brown slightly clayey GRAVEL with frequent cobbles.		
D	- 0.50 - -			(0.50)	M/H	Gravel is fine to course angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D =	- - 0.90 - - - - -		112.70 	0.85 (0.95)	H/VH	Light yellowish cream slightly clayey GRAVEL with frequent cobbles and rare to occasional boulders. Gravel is fine to coarse subangular to subrounded tabular limestone. Cobbles and boulders are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)		
D B	- 1.80 - 2.00		111.76- 111.36-	1.80 (0.40) 2.20	VH	Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel and frequent cobbles of fine to coarse subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
						End of Trial Pit at 2.20m		

Method: Wheeled backhoe excavator	Length: 2.20m
Groundwater: Groundwater not encountered.	
Stability: Stable but slight collapse of sides between 0.85m and 1.85m bgl.	Width: 0.60m
Remarks: Terminated at 2.20m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

TRIAI	L PIT	LOG					Т	P21
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		25/05/202	21			Scale		1:25
Ground	Level	121.18m	AOD	Coo	rdinates	E 454266.16 N 229045.48 Total Depth	1	.45m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.20		120.88	(0.30) 0.30	E	Soft dark brown slightly slity slightly gravelly CLAY with occasional cobbles and occasional to frequent rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone.		
D	- 0.50 -		_	(0.45)	E/M	Dark orangish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	- 0.80		120.43	0.75 (0.45)	м	Light creamy brownish white locally orange clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D B	- - 1.20 - 1.30 -			1.20 (0.25) 1.45	VH	Moderately strong thinly bedded light creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders (maximum 0.30m x 0.30m) of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
						End of Trial Pit at 1.45m		

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Stable

 Remarks:
 Terminated at 1.45m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

TRIAL	_ PIT	LOG					Т	P22
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		24/05/202	21			Scale		1:25
Ground	Level	120.37m	AOD	Coo	rdinates	E 454258.85 N 228971.58 Total Depth	1	.90m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - - - 0.50 -			(0.30)	E M/H	Soft dark brown slightly slity slightly gravelly CLAY with occasional cobbles and occasional rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Dark orange brown slightly clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders (maximum 0.30 x 0.30m) are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	- - - 1.20 - -		 119.27- 	1.10 (0.70)	н	Light creamy brownish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
D	- 1.70 - 1.80 				H/VH	Moderately strong thinly bedded creamy brownish fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.90m		
	- - - -							

Method: Wheeled backhoe excavator. Length: 2.30m Groundwater: Groundwater not encountered. Width: 0.60m Stability: Stable. Remarks: Terminated at 1.90m bgl due to competent rock strength strata. Trial pit backfilled with arisings on Logged: KM completion. Checked: AS

TRIAL	- PIT	LOG					Т	P23
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		21/05/202	21			Scale		1:25
Ground	Level	120.42m	AOD		rdinates	E 454283.11 N 228921.00 Total Depth	1	.80m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- - 0.20 -		- _ 120.12-	(0.30) 0.30	E	Soft dark brown slightly gravelly slightly silty CLAY with rare to occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Soft dark reddish brown slightly gravelly slightly silty CLAY with rare to		
	_			(0.30) 0.60	E	occasional. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are angular to subangular limestone. (SUBSOIL)	× ×	
D	- 0.70 - -		-	(0.40)	м	Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		े प
			119.4 2 - -	1.00		Light creamy brownish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)	⁶ <u>ب</u> ² , مہ ⁶ <u>ب</u> ² , مہ ⁶ ب ² , مہ ⁶ ب ² , مہ ⁶ ب ² , مہ ⁶ ب ² , مہ	2 0 0 0
D	- 1.40 			(0.70)	M/H		۵ فف، م 	, o a l
B D	- 1.70 _ 1.70 -		118.72- 118.62- 	1.70 (0.10) 1.80	VH	Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. ((WHITE LIMESTONE FORMATION) End of Trial Pit at 1.80m		=
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Method: Wheeled backhoe excavator.	Length: 2.30m
Groundwater: Groundwater not encountered.	-
Stability: Stable.	Width: 0.60m
Remarks: Terminated at 1.80m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

TRIAL	_ PIT	LOG					TI	P24
Project		Land adja	icent to J	lunction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		04/06/202	21			Scale		1:25
Ground	Level	125.63m	AOD	Coo	rdinates	E 454311.11 N 229455.22 Total Depth	2	.50m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.20 		-	(1.30)		Soft to firm dark reddish brown slightly slity slightly gravelly CLAY with rare to occasional cobbles and occasional rootlets. Gravel is fine to coarse angular to subrounded limestone. Cobbles are angular to subrounded limestone (near surface only). (POSSIBLE MADE GROUND)		
LB	- - - 0.90 -			(1.50)	E			
D	- 1.20		-	4.00		Below 1.20m bgl: becoming orangish red.		
	- - -		124.33- - - -	1.30		Soft to firm dark orangish brown mottled slightly orange slightly silty CLAY with possible organic material present (black in colour). (POSSIBLE MADE GROUND)		
D	- - 1.80 -			(0.80)	E/M			
В	- - - 2.40		123.53-	2.10 (0.40)	н	Firm to stiff dark orangish brown mottled orange slightly gravelly CLAY with occasional to frequent cobbles and occasional boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular limestone.		
BD	- 2.40 2.40 		- 123.13- - - - - - - - - - - - - - - - - - -	2.50		WHITE LIMESTONE FORMATION) End of Trial Pit at 2.50m		

Method: Wheeled backhoe excavator.	Length:	2.30m
Groundwater: Groundwater not encountered. Stability: Stable	Width:	0.60m
Remarks: Terminated at 2.50m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS

TDOA

TRIAL	_ PIT	LOG					T	P25
Project		Land adja	icent to .	Junction	10, M40	, Ardley Project No.	AG326	38-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		26/05/202	21			Scale		1:25
Ground	Level	124.93m	AOD	Coo	rdinates	E 454322.44 N 229389.40 Total Depth	1	.20m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES D	- - 0.20 - - 0.40 -		- 124.63- - 124.33-	(0.30) 0.30 (0.30)	E	Soft dark brown slightly slity slightly gravelly CLAY with frequent rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are angular to subrounded limestone. (TOPSOIL) Soft to firm dark reddish brown slightly slity slightly gravelly CLAY with occasional cobbles and rare to occasional rootlets. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone.		
D	- - 0.90 - 1.15		- - - 123.78	(0.55) 1.15	м	(SUBSOIL) Orangish brown very clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		α α
D	- 1.13 - 1.15 		123.73	(0.05) 1.20	н∕∨н	Moderately strong thinly bedded creamy orangish brown LIMESTONE recovered as gravel, cobbles and boulders (maximum 0.30m x 0.30m) of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.20m		
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	-		-					
	- - 		-					
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	_ _ _		-					
	<u> </u>							

Method: Wheeled backhoe excavator.	Length:	2.30m
Groundwater: Groundwater not encountered. Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.20m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked:	AS

TRIAL	. PIT	LOG					Т	P26
Project		Land adja	icent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		26/05/202	21			Scale		1:25
Ground	Level	124.34m	AOD		rdinates	E 454327.38 N 229320.53 Total Depth	2	.00m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES D	- 0.10 - - - 0.40		124.09	(0.25) 0.25 (0.25)	E E/M	Soft dark brown slightly slightly gravelly CLAY with frequent to occasional rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are angular to subangular to subrounded limestone. (TOPSOIL)		
D -	 - 0.60 - -		123.8 4 - - -	0.50 (0.70)	н	Orangish brown slightly clayey to clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Light orangish yellowish brown slightly clayey to clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are		
D	 - 1.20 		 123.14- 	1.20	H/VH	angular to subangular limestone. (WHITE LIMESTONE FORMATION) Firm to stiff light creamy grey slightly mottled brown very gravelly CLAY with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
B	- - - 1.90 - - - - - - -		- - 122.44- 122.34- - - - - - - - - - - - - - - - - - -			Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders (maximum 0.30m x 0.30m) of fine to coarse and angular to subangular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 2.00m		
	-							
	-							

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Stable

 Remarks:
 Terminated at 2.00m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

TRIAL	_ PIT	LOG					Т	P27
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		26/05/202	21			Scale		1:25
Ground	Level	123.83m	AOD	Coo	rdinates	E 454332.07 N 229257.60 Total Depth	2	.20m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - -		- - 123.53-	(0.30) 0.30	E	Soft dark brown slightly slightly gravelly CLAY with occasional cobbles and occasional to frequent rootlets. Gravel is fine to coarse angular to subrounded limestone and quartzite. Cobbles are angular to subrounded limestone. (TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine		
D	- 0.50			(0.30)	E/M	to coarse angular to subangular limestone. Cobbles are angular to subangular limestone.		° °
D	- 0.70 - -		123.23- - - - -	0.60 (0.70)	M/H	WHITE LIMESTONE FORMATION) Light orangish yellowish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	- - - 1.40 - -		_ 122.53 _ 122.33 _ _ _	(0.20)	м/н	Firm light creamy brownish grey slightly mottled orange very gravelly CLAY with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Light orangish creamy brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to		
D	_ _ 1.90			(0.69)	H/VH	subangular limestone. (WHITE LIMESTONE FORMATION)		- · · · · · · · · · · · · · · · · · · ·
B	- 2.10 			2.19 (0.01) 2.20	VH	Moderately strong thinly bedded light creamy orangish brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 2.20m		

Groundwater: Groundwater not encountered. Stability: Stable Remarks: Terminated at 2.20m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion. Checked: AS	Method: Wheeled backhoe excavator.	Length:	2.30m
Remarks: Terminated at 2.20m bgl due to competent rock strength strata. Trial pit backfilled with arisings on Logged: KM	Groundwater: Groundwater not encountered.	—	
completion.	Stability: Stable	Width:	0.60m
Checked: AS	5 I 5 I 5	Logged:	КМ
		Checked	I: AS

ProjectLand adjacent to Junction 10, M40, ArdleyProject NClientAlbion Land LtdSheet	
	4 - 5 4
	1 of 1
Date 26/05/2021 Scale	1:25
Ground Level 122.82m AOD Coordinates E 454330.64 N 229176.82 Total Dep	oth 2.15m
Sample / Test Type Depth (m) Result Level (mAoD) Strata Depth (thickness) (m) Ease of Dig	Legend GW
	in occasional to frequent ae subangular to angular to subrounded CLAY with rare to Gravel is fine to coarse ular to subrounded int cobbles. Gravel is fine e angular to subangular int cobbles. int cobbles. Gravel is fine fine to coarse int cobbles. Gravel is fine int c

Method: Wheeled backhoe excavator. Length: 2.20m Groundwater: Groundwater not encountered. Width: 0.60m Stability: Stable Remarks: Terminated at 2.15m bgl due to competent rock strength strata. Trial pit backfilled with arisings on Logged: KM completion. Checked: AS

TRIAL	_ PIT	LOG					T	> 29
Project		Land adja	icent to .	Junction	10, M40	, Ardley Project No.	AG326	8-21
Client		Albion La	nd Ltd			Sheet	1	of 1
Date		26/05/202	21			Scale		1:25
Ground	Level	122.14m	AOD	Coo	rdinates	E 454311.31 N 229111.90 Total Depth	1	.85m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- - 0.20 - -		- 121.84- 121.74-	(0.30) 0.30 (0.10) 0.40	E	Soft dark brown slightly slity slightly gravelly CLAY with occasional cobbles and occasional to frequent rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Soft reddish brown slightly slity slightly gravelly CLAY with rare to occasional rootlets and rare to occasional cobbles. Gravel is fine to coarse subangular to		
D	- - 0.70 - -		- - - 121.1 4	(0.60) 1.00	M/H	subrounded limestone and quartzite. Cobbles are subangular to subrounded limestone. (SUBSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone.		
D	- - - 1.30 -		-	(0.84)	н/vн	(WHITE LIMESTONE FORMATION) Light creamy brownish white clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)	• •	
B	- 1.70 - 1.70 - - - - - - - - - - - - -		- 120.30 120.29 - - - - - - - - - - - - - - - - - - -	1.84 (0.01) 1.85		Moderately strong thinly bedded light creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.85m		
	- - - - - -							

Method: Wheeled backhoe excavator.	Length: 2.20m
Groundwater: Groundwater not encountered.	
Stability: Stable	Width: 0.60m
Remarks: Terminated at 1.85m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

TRIAL	_ PIT	LOG					ТІ	>30
Project		Land adja	icent to .	Junction	10, M40	, Ardley Project No.	AG326	8-21
Client		Albion La	nd Ltd			Sheet	1	of 1
Date		24/05/202	21			Scale		1:25
Ground	Level	120.47m	AOD	Coo	rdinates	E 454333.56 N 229042.82 Total Depth	1	.45m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
		Result		Depth		Description of Strata Soft dark brown slightly silty slightly gravelly CLAY with occasional cobbles and occasional to frequent rootlets. Gravel is fine to coarse subangular to subrounded limestone. (TOPSOIL) Soft to firm dark reddish brown slightly silty slightly gravelly CLAY with occasional cobbles. Gravel is fine to coarse angular to subangular limestone. (SUBSOIL) Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Light creamy brownish white slightly clayey to clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) Moderately stong thinly bedded creamy brownish white fossiliferous LIMESTONE FORMATION) End of Trial Pit at 1.45m	Legend	GW

Groundwater: Groundwater not encountered.	Length: 2.40m
Stability: Stable.	Width: 0.60m
Remarks: Terminated at 1.45m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

TRIA	L PIT	LOG					T	P31
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		18/05/202	21			Scale		1:25
Ground	Level	119.24m	AOD	Coo	rdinates	E 454329.10 N 228971.75 Total Depth	1	.70m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- - 0.20 -		- - 118.94- -	(0.30) 0.30	E	Soft dark brown slightly slightly gravelly CLAY with occasional cobbles and occasional rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Soft to firm orangish yellowish brown very gravelly CLAY with frequent cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles		
D B	- 0.60 - 0.70 -			(0.80)	E/M	are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	_ - 1.20 _		118.14	1.10 (0.35)	M/H	Light creamy yellowish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are subangular tabular limestone. (WHITE LIMESTONE FORMATION)		0
D B	- 1.50 - 1.60 -		117.79 _ 117.54	1.45 (0.25) 1.70	νн	Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse and angular to subrounded tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.70m		-

Method: Wheeled backhoe excavator.	Length:	2.20m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.70m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS
	L	

TRIAL	- PIT	LOG					T	P32
Project		Land adja	icent to .	Junction	10, M40), Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		18/05/202	21			Scale		1:25
Ground	Level	119.80m /	٩OD	Coo	rdinates	s E 454329.22 N 228901.22 Total Depth	1	.60m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - -		- - 119.50-	(0.30) 0.30	E	Soft dark brown slightly slity slightly gravelly CLAY with rare to occasional cobbles and occasional rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL)		· · ·
D	— 0.50 —			(0.45)	М	Orangish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		ू त
D	- 0.80 -		119.06	0.75 (0.45)	M/H	Light yellowish creamy white locally yellowish orange slightly clayey GRAVEL with occasional to frequent cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are subangular to angular tabular limestone.		
	-		118.60-	1.20		(WHITE LIMESTONE FORMATION) Moderately strong thinly bedded light creamy brownish white fossiliferous		。 。 。
В	- - - 1.50		-	(0.40)	VH	LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		-
D	_ 1.50 _		118.20-	1.60		End of Trial Pit at 1.60m		-
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			_					

Method: Wheeled backhoe excavator.	Length: 2.20m
Groundwater: Groundwater not encountered.	
Stability: Stable	Width: 0.60m
Remarks: Terminated at 1.60m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

TRIA	L PIT	LOG					Т	P33
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	8-21
Client		Albion La	nd Ltd			Sheet		l of 1
Date		20/05/202	21			Scale		1:25
Ground	Level	119.72m	AOD	Coo	rdinates	E 454343.67 N 228841.24 Total Depth	1	.70m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES D	- - 0.20 - - 0.40		- - 119.42- -	(0.30) 0.30	E	Soft dark brown slightly gravelly slightly silty CLAY with occasional rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are subangular to subrounded limestone. (TOPSOIL) Orangish brown clayey slightly sandy GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are angular to		
LB	- 0.60 -		 	(0.45) 0.75	M	subangular limestone. (WHITE LIMESTONE FORMATION) Light creamy orangish brown clayey GRAVEL with frequent cobbles. Gravel is		
D	- 1.00 			(0.55)	M/H	fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Below 1.00m bgl: Light creamy orangish brownish white and slightly clayey		
DB	- - 1.40 - 1.60		118.42- - -	1.30 (0.40)		Moderately strong thinly bedded light creamy white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
				1.70	VH	End of Trial Pit at 1.70m		

Method: Wheeled backhoe excavator.	Length:	2.30m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.70m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS

TRIAI	L PIT	LOG					ТІ	P34
Project		Land adja	acent to .	Junction	10, M40), Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet	1	1 of 1
Date		26/05/202	21			Scale		1:25
Ground	Level	124.18m	AOD	Coo	rdinates	s E 454400.39 N 229392.00 Total Depth	0	.80m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness)	Ease of Dig	Description of Strata	Legend	GW
		Result		Depth (thickness) (0.25) 0.25 (0.25) 0.50 (0.29)		Description of Strata Soft dark brown slightly sitly slightly gravely CLAY with occasional to frequent cobbles and rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are angular to subangular limestone and quartzite. (TOPSOIL) Soft to firm reddish brown slightly gravely slightly slitly CLAY with rare to subrounded limestone. Cobbles are angular to subangular limestone. (SUBSOIL) Firm orangish brown gravely CLAY with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Moderately strong thinly bedded light creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse and angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pti at 0.80m		GW

Method: Wheeled backhoe excavator.	Length: 2.10m
Groundwater: Groundwater not encountered. Stability: Stable	Width: 0.60m
Remarks: Terminated at 0.80m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

TRIAL PIT	LOG			TP35
Project	Land adjacent to	Junction 10, M40), Ardley Project No.	AG3268-21
Client	Albion Land Ltd		Sheet	1 of 1
Date	26/05/2021		Scale	1:25
Ground Level	124.11m AOD	Coordinate	s E 454376.83 N 229323.05 Total Depth	2.05m
Sample / Test Type Depth (m)	Result Level (mAoD)	Strata Depth (thickness) (m) Ease of Dig	Description of Strata	Legend GW
ES - 0.10 - - D - 0.60 B - 0.70	123.91	(0.20) 0.20 E (0.30) E	Soft dark brown slightly slity slightly gravelly CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Soft to firm reddish brown slightly slity slightly gravelly CLAY with rare to occasional rootlets and cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are angular to subangular limestone. (SUBSOIL)	
		0.90	Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Light creamy brownish orangish white slightly clayey to clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
D — 1.50 - - -	-	_ (1.14) M/H		
B - 1.90 D - 1.90 			Moderately strong thinly bedded light creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 2.05m	

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Slight collapse of sides below 1.00m bgl.

 Remarks:
 Terminated at 2.05m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

TRIA	L PIT	LOG					т	P36
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	8-21
Client		Albion La	nd Ltd			Sheet		l of 1
Date		18/05/202	21			Scale		1:25
Ground	Level	123.51m	AOD	Coo	rdinates	E 454399.24 N 229251.12 Total Depth	2	.10m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.20 		_ 123.21- _ _ _ _	(0.30) 0.30 (0.70)		Soft dark reddish brown slightly gravelly slightly silty CLAY with occasional cobbles and frequent rootlets. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are subangular to subrounded limestone. (TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are angular to subrounded limestone. (WHITE LIMESTONE FORMATION)		
D	- 0.80 - - 1.10 -		- - 122. 51 - - -	1.00	_	Light creamy greyish brown locally light brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)		
D D B	- 1.60 - 1.80 2.00		 121.81- 121.41-	1.70 (0.40) 2.10		Between 1.60m and 1.70m bgl: pocket of firm greyish mottled orange clay. Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel and frequent cobbles of fine to coarse subangular to subrounded tabular limestone. (WHITE LIMESTONE FORMATION)		
						End of Trial Pit at 2.10m		

Method: Wheeled backhoe excavator. Groundwater: Groundwater not encountered.	Length: 2.20m
Stability: Stable	Width: 0.60m
Remarks: Terminated at 2.10m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

TRIAL PIT	LOG			TF	> 37
Project	Land adjacent to Ju	unction 10, M40	, Ardley Project No.	AG326	8-21
Client	Albion Land Ltd		Sheet	1	of 1
Date	24/05/2021		Scale		1:25
Ground Level	122.37m AOD	Coordinates	E 454403.82 N 229178.85 Total Depth	2.	.30m
Sample / Test Type (m)	Result Level (mAoD)	Strata Depth (thickness) (m) of Dig	Description of Strata	Legend	GW
Ground Level	I22.37m AOD Result Level (mAoD) 122.02 - 122.02 - 121.77- - 121.77- - 121.77- - - <td>Strata Depth (mickness) Ease of Dig (0.35) E 0.35 M (0.25) M 0.60 M/H (1.60) M/H</td> <td>E 454403.82 N 229178.85 Total Depth</td> <td>2.</td> <td>.30m</td>	Strata Depth (mickness) Ease of Dig (0.35) E 0.35 M (0.25) M 0.60 M/H (1.60) M/H	E 454403.82 N 229178.85 Total Depth	2.	.30m

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Stable.

 Remarks:
 Terminated at 2.30m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

TRIA	L PIT	LOG					T	P38
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		18/05/202	21			Scale		1:25
Ground	Level	121.38m	AOD	Coo	rdinates	E 454400.14 N 229111.34 Total Depth	1	.95m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - - 0.40 -		- 121.13_ 	(0.25) 0.25 (0.65)	E E/M	Soft dark reddish brown slightly gravelly CLAY with occasional cobbles and frequent rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Orangish brown clayey GRAVEL with frequent cobbles and rare to occasional boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular limestone.		10. 10. 10. 10. 1X///X///
В	- 0.80		- - 120.48-	0.90	-	(WHITE LIMESTONE FORMATION) Light creamy brownish grey slightly clayey GRAVEL with frequent cobbles.	ه ه ه ه ه ه ه ه ه ه ه ه ه ه	. व व
D	- 1.00 - - -		-	(0.60)	н	Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)		ि
D B	- 1.50 - 1.60 -		119.88- 119.63_	1.50 (0.25) 1.75	VH	Moderately strong thinly bedded creamy brownish grey fossiliferous LIMESTONE. Recovered as gravel, cobbles and boulders of fine to course angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		-
						End of Trial Pit at 1.95m		

Groundwater: Groundwater not encountered. Stability: Stability: Stability: Stability: Remarks: Terminated at 1.95m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion. Checked: AS	Method: Wheeled backhoe excavator.	Length:	2.20m
Remarks: Terminated at 1.95m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Groundwater: Groundwater not encountered.		
completion.	Stability: Stable	Width:	0.60m
		Logged:	КМ
		Checked	: AS

TRIA	L PIT	LOG					TP	38A
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		02/06/202	21			Scale		1:25
Ground	Level	121.38m AOD			rdinates	E 454400.14 N 229111.34 Total Depth	1	.65m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
/ Test Type		Result		(thickness) (0.25) 0.25 (0.95)		Soft to firm dark brown slightly slightly gravelly CLAY with occasional occasional to frequent rootlets. Gravel is fine to coarse angular to subrounded limestone. (TOPSOL) Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Light creamy brown slightly clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse angular to subangular for subangular limestone. (WHITE LIMESTONE FORMATION) At 1.65m bg: moderately strong LIMESTONE - unable to penetrate. End of Trial Pit at 1.65m	Legend	

Method: Wheeled backhoe excavator. Groundwater: Groundwater not encountered.	Length:	2.50m
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.65m bgl due to competent rock strength strata. Trial pit used for soakaway test prior to being backfilled with arisings on completion of the test see separate sheet for soakaway test results.	Logged:	КМ
	Checked	: AS

TRIAL	- PIT	LOG					T	P39
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		24/05/202	21			Scale		1:25
Ground	Level	119.97m	AOD	Coo	rdinates	E 454397.37 N 229058.46 Total Depth	1	.45m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - - - 0.40		119.72	(0.25) 0.25 (0.30)		Soft dark brown slightly slightly gravelly CLAY with occasional cobbles and occasional rootlets. Gravel is fine to coarse angular to subrounded quartzite and limestone. Cobbles are angular to subrounded limestone and rare quartzite. (TOPSOIL) Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to		
D	- 0.70 - -		119.42	0.55 (0.65)		Infector coarse angular to subangular infectorie. Cobbies are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Light creamy brownish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
D	- 1.20 - 1.30 - 1.30 			1.20 (0.25) 1.45		(WHITE LIMESTONE FORMATION) Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as slightly clayey gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.45m Find of Trial Pit at 1.45m		
	_							

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Slightly unstable sides between 0.55m and 1.20m bgl

 Remarks:
 Terminated at 1.45m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

TRIAL	- PIT	LOG					TI	P40
Project		Land adja	icent to .	Junction	10, M40	, Ardley Project No.	AG326	8-21
Client		Albion La	nd Ltd			Sheet	1	l of 1
Date		18/05/202	21			Scale		1:25
Ground	Level	118.27m	AOD	Coo	rdinates	E 454398.35 N 228973.23 Total Depth	1	.70m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - - - 0.50		_ 118.07- 117.92	(0.20) 0.20 (0.15) 0.35	E M	Soft dark brown slightly gravelly slightly silty CLAY with occasional cobbles and occasional rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. (TOPSOIL) Soft reddish brown slightly gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are subangular to		
	- 0.30 - -		117.52	(0.40) 0.75	M/H	angular limestone. (WHITE LIMESTONE FORMATION) Firm orangish brown very gravelly CLAY with frequent cobbles. Gravel is fine to coarse subangular to angular limestone. Cobbles are angular to subangular limestone.		
D	1.00 		-	(0.75)	Н	(WHITE LIMESTONE FORMATION) Light creamy brownish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)		
B D	- 1.60 - 1.60 			1.50 (0.20) 1.70	VH	Moderately strong thinly bedded creamy white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse subangular to subrounded tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.70m		
	-							

Method: Wheeled backhoe excavator.	Length:	2.30m
Groundwater: Groundwater not encountered. Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.70m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked:	AS

Project Land adjacent to Jun 40, Ardley Project Client Albion Land Ltd Sheet Date 18/05/2021 Scale Ground Level 117.98m AOD Coordinates E 454397.77 N 228902.28 Total I		
Date 18/05/2021 Scale	1	
		of 1
Ground Level 117.98m AOD Coordinates E 454397.77 N 228902.28 Total I		1:25
	Depth 1	.90m
Sample / Test Type Depth (m) Result Level (mAoD) Strata Depth (thickness) (m) Ease of Dig Description of Strata	Legend	GW
/Test Ueptin Result Level Depth Ease Description of Strata	vith occasional cobbles and ular to subrounded aangular limestone. (CLAY with occasional ounded limestone. Cobbles les. Gravel is fine to coarse angular to subangular andy GRAVEL with frequent ounded limestone. Cobbles tone.	GW

Method: Wheeled backhoe excavator.	Lenath:	2.20m
Groundwater: Seepage at 1.75m bgl. Fast seepage at 1.90m bgl.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.90m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	AS

TRIA	_ PIT	LOG					T	P42
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		20/05/202	21			Scale		1:25
Ground	Level	118.67m	AOD	Coo	rdinates	E 454388.67 N 228827.98 Total Depth	1	.85m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES D	- - 0.20 - - 0.40 		- - 118.37- - -	(0.30) 0.30 (0.50)	E M/H	Soft dark brown slightly gravelly slightly silty CLAY with occasional cobbles and rootlets. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are subangular to subrounded limestone. (TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
В	- 0.80 - - - -			0.80 (0.40) 1.20	M/H	Light creamy brownish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION) Moderately strong thinly bedded creamy yellowish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse		
D B	- - 1.50 - - 1.70 -		- - - 116.82	(0.65) 1.85	VH	angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.85m		

Method: Wheeled backhoe excavator.	Lenath:	2.20m
Groundwater: Groundwater not encountered.		
Stability: Slight collapse of sides below 1.20m bgl.	Width:	0.60m
Remarks: Terminated at 1.85m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
·	Checked	: AS
	•	

TRIA	L PIT	LOG					T	P43
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	and Ltd			Sheet		l of 1
Date		02/06/202	21			Scale		1:25
Ground	Level	118.67m	AOD	Coo	rdinates	E 454409.84 N 228772.14 Total Depth	1	.65m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - -		- 118.47- -	(0.20) 0.20	E	Soft dark brown slightly clayey GRAVEL with occasional cobbles and rootlets. Gravel is fine to coarse angular to subrounded limestone. Cobbles are angular to subrounded limestone. (TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine		
D	- 0.40 			(0.45) 0.65	E/M	to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	- 0.70 - -		-	(0.70)	М	Light creamy orangish brown very clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D B	- - - 1.40 - 1.50 - -			1.35 (0.30) 1.65	M/H	Light greyish brownish white clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION) <i>At 1.65m bgl: moderately strong LIMESTONE - unable to penetrate.</i> End of Trial Pit at 1.65m		

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Stable

 Remarks:
 Terminated at 1.65m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

TRIA	L PIT	LOG					т	P44
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		l of 1
Date		24/05/202	21			Scale		1:25
Ground	Level	124.03m	AOD		rdinates	E 454458.70 N 229375.52 Total Depth	2	.50m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES D	- 0.10 - - - 0.40		- 123.78 - 123.53-	(0.25)	E	Soft dark brown slightly slightly gravelly CLAY with occasional cobbles and frequent rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are angular to subrounded quartzite and limestone. (TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone.		
LB	- - 0.80 - - -					(WHITE LIMESTONE FORMATION) Light creamy brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
D	- - 1.50 -			(1.99)	M/H			
D	- - 1.90 -					Between 1.90m and 2.00m bgl: Large pocket or possible layer of firm to stiff light grey mottled orange slightly gravelly clay. Gravel is fine to medium angular to rounded limestone.		
B	- 2.40 - 2.40 - - - - - - - - - - - - -					LIMESTONE (Unable to penetrate). (WHITE LIMESTONE FORMATION) End of Trial Pit at 2.50m		
	- - - - -							

Method: Wheeled backhoe excavator.	Length:	2.30m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 2.50m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS

TRIAI	L PIT	LOG					TI	P45
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	8-21
Client		Albion La	nd Ltd			Sheet		l of 1
Date		24/05/202	21			Scale		1:25
Ground	Level	123.64m	AOD		rdinates	E 454464.54 N 229322.62 Total Depth	2	.25m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - - - - 0.50		 123.40	(0.25) 0.25 (0.45)	E	Soft dark brown slightly gravelly slightly silty CLAY with occasional cobbles and occasional to frequent rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Dark orangish brown slightly clayey GRAVEL with frequent rootlets and cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are		
D	- - - 		_ 122.94- _ 	0.70	E/M	angular to subangular limestone. (WHITE LIMESTONE FORMATION) Light creamy slightly orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular slightly tabular limestone. (WHITE LIMESTONE FORMATION)		
	_ _ _		-	(1.54)		Below 1.40m bgl: becoming very clayey.		
D	- 1.60 -		-	(М			
B D	- 2.00 - 2.10 -		121.40	2.24		LIMESTONE (Unable to penetrate).		
			121.40 			LIMESTONE (Unable to penetrate). (WHITE LIMESTONE FORMATION) End of Trial Pit at 2.25m		

Groundwater: Groundwater not encountered.	Length:	2.40m
Stability: Stable	Width:	0.60m
Remarks: Terminated at 2.25m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS

TRIAL	_ PIT	LOG					Т	P46
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	ind Ltd			Sheet		l of 1
Date		25/05/202	21			Scale		1:25
Ground	Level	122.93m	AOD		rdinates	E 454465.72 N 229253.41 Total Depth	2	.00m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - -		122.68	(0.25) 0.25	E	Soft dark brown slightly slity slightly gravelly CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are angular to subrounded limestone. (TOPSOIL)		
D	- 0.50 - -			(0.65)	м	Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
	-		122.03- 	0.90	-	Light creamy orangish brown white clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	- 1.30 - -		-	(1.09)	M/H	At 1 60m bol localized dark grappe colour		
D B	- 1.70 - 1.80 -		-			At 1.60m bgl: localised dark orange colour.		
			120.94 120.93 - -	1.99 (0.01) 2.00		Moderately strong thinly bedded light creamy orangish brown fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular. Cobbles and boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)	<u>, </u>	
	 					End of Trial Pit at 2.00m		
	_ 							
	_ _ _		-					
			-					
	_ _ 		-					
	_ _ _							
			_					

Method: Wheeled backhoe excavator.	Length: 2.30m
Groundwater: Groundwater not encountered.	
Stability: Stable	Width: 0.60m
Remarks: Terminated at 2.00m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

TRIAL PIT	LOG					TI	P47
Project	Land adja	cent to	Junction	10, M40	, Ardley Project No.	AG326	8-21
Client	Albion La	nd Ltd			Sheet		l of 1
Date	25/05/202	21			Scale		1:25
Ground Level	122.08m /	AOD	Coo	rdinates	E 454468.55 N 229181.59 Total Depth	2	.90m
Sample / Test Type (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES - 0.40 		121.78 	(0.30) 0.30 (0.40) 0.70 (0.40)	E	Soft dark brown slightly slity slightly gravelly CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Soft firm reddish brown slightly slity slightly gravelly CLAY with rare cobbles. Gravel is fine to coarse subangular to subrounded quartzite and rare limestone. Cobbles are subangular to subrounded limestone. (SUBSOIL) Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
– – – – – – – – – – – – – – – – – – –		120.98 - - - - - - 120.28	1.10 (0.70) 1.80	M/H	Light creamy orangish brownish white clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
- - - - - - - - - - - - - - - - - - -		120.03	(0.25) 2.05 (0.85)	M/H VH	Light creamy brownish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Moderately strong thinly bedded light creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
- - B - 2.80		- - 119.18-	0.00				
			2.90		End of Trial Pit at 2.90m		

Groundwater: Groundwater not encountered. Stability: Stable Bemerike: Terminated at 2.00m believe to compatent node strength strets. Trial nit hoolefilled with crisis on one	Length: Width:	0.60m
Stability. Stable	Vidth:	0.60m
Remarks: Terminated at 2.90m bgl due to competent rock strength strata. Trial pit backfilled with arisings on		
completion.	ogged:	КМ
	Checked:	AS

TRIAL	- PIT	LOG					T	P48
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	58-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		25/05/202	21			Scale		1:25
Ground	Level	112.72m	AOD	Coo	rdinates	E 454883.41 N 228483.59 Total Depth	1	.85m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - -		112.47	(0.25) 0.25 (0.20)	E	Soft dark brown slightly slity slightly gravelly CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are angular to subrounded limestone. (TOPSOIL)		
В	— 0.50 -		112.27	0.45	E/M	Soft to firm reddish brown slightly slity slightly gravelly CLAY with rare to occasional cobbles and rare rootlets. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are angular to subrounded limestone.		
D	- 0.70 - -		-	(0.55)	М	(SUBSOIL) Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone.	بو، `بغ،' 9 فو، مہ 9 فو، مہ 9 فو، مہ 10 فو، مہ 10 فو، مہ	
D	- - - 1.30		111.7 2 - -	1.00		(WHITE LIMESTONE FORMATION) Below 0.65m bgl: orangish brown and clayey. Light creamy yellowish brownish white clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone.		<u>, loo, loo, lo B</u> ,
D	- - - 1.70		-	(0.80)	н	(WHITE LIMESTONE FORMATION)	بِنَّ، ⁰ بِنَّ، 9 <u>0</u> 0، 0 9 <u>0</u> 0، 0 9 <u>0</u> 0, 0 9 <u>0</u> 0, 0 9 <u>0</u> 0, 0 9 <u>0</u> 0, 0	<u>, 10%, 10%, 10%</u>
B	- 1.80 - -		110.92- 110.87_ 	1.80 (0.05) 1.85	VH	Moderately strong thinly bedded light creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders (maximum 0.30m x 0.30m) of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.85m		-
	- -		-					
	-		-					
			-					
	- 		-					
	_ _ _		-					
	 		-					
	_ 							
	_ _ _		-					

Method: Wheeled backhoe excavator.	Length: 2.30m
Groundwater: Groundwater not encountered.	
Stability: Stable	Width: 0.60m
Remarks: Terminated at1.85m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

TRIAL	PIT I	LOG					т	P49
Project		Land adja	cent to	Junction	10, M40	Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet	1	1 of 1
Date		21/05/202	21			Scale		1:25
Ground L	_evel	119.96m A	AOD		rdinates	E 454465.40 N 229045.55 Total Depth	2	.20m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES - - - D - - - -	0.10			(0.20) 0.20 (0.40) 0.60 (0.80)	M	Soft dark brown slightly gravelly slightly silty CLAY with occasional cobbles and occasional rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are angular to subrounded limestone. (TOPSOIL) Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are angular to subrounded limestone. (SUBSOIL) Light creamy brownish white clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D -	1.20		_ _ 118.56 _ _ _ _ _ _ _	(0.80)	H/VH	Moderately strong thinly bedded light creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles, and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
	- 2.00 2.10			2.20	VH	End of Trial Pit at 2.20m		

Method: Wheeled backhoe excavator.	Length: 2.30m	
Groundwater: Groundwater not encountered.		_
Stability: Stable	Width: 0.60m	
Remarks: Terminated at 2.20m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM	
	Checked: AS	

TRIAL	_ PIT	LOG					TP50
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG3268-21
Client		Albion La	nd Ltd			Sheet	1 of 1
Date		21/05/202	21			Scale	1:25
Ground	Level	119.27m	AOD	Coo	rdinates	E 454468.91 N 228972.08 Total Depth	1.80m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend GW
ES D	- - 0.20 - 0.40 		- - 118.97- - - -	(0.30) 0.30 (0.80)	E	Soft dark brown slightly slity slightly gravelly CLAY with occasional cobbles and rootlets. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are angular to subrounded limestone. (TOPSOIL) Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)	$\left(\begin{array}{c} \frac{1}{2}, 1$
в	- - 0.90 		- - - 118.17-		-	Light creamy brownish white slightly clayey GRAVEL with frequent cobbles.	
D	- - - 1.40 -		- - - 117.77-	(0.40) 1.50	н	Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Moderately strong thinly bedded creamy brownish fossiliferous LIMESTONE	
B D	- 1.60 - 1.70 -		- - 117.47- -	(0.30) 1.80	н/vн	recovered as gravel, cobbles and boulders of fine to coarse subangular to subrounded tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.80m	

Method: Wheeled backhoe excavator.	Length:	2.30m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.80m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS

TRIAL	_ PIT	LOG					T	P51
Project		Land adja	acent to .	Junction	10, M40), Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		21/05/202	21			Scale		1:25
Ground	Level	117.83m	AOD	Coo	rdinates	s E 454469.08 N 228915.32 Total Depth	1	.45m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES D	- 0.10 - - 0.40 -		_ 117.63- _ _ 117.33-	(0.30)	E E/M	Soft dark brown slightly slity slightly gravelly CLAY with occasional cobbles and rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are angular to subangular limestone. (TOPSOIL) Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	- - 1.00			(0.70)	М	Light creamy browner of the rotation (Light creamy browner) Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
B D	- 1.30 - 1.30 		116.63- - 116.43- - - -	(0.20)	н∕∨н	Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.45m		
	- - -							
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	- 							
	- - -		-					
	- - 							
	- - -		-					
	- - -		-					
L		1	ļ				1	

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Stable.

 Remarks:
 Terminated at 1.45m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

TRIA	L PIT	LOG					T	P52
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	8-21
Client		Albion La	nd Ltd			Sheet		l of 1
Date		20/05/202	21			Scale		1:25
Ground	l Level	116.59m	AOD	Coo	rdinates	E 454468.68 N 228832.06 Total Depth	1	.60m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - -		- 116.34 - 116.09	(0.25) 0.25 (0.25) 0.50	E	Soft dark brown slightly gravelly slightly silty CLAY with ### cobbles and rare to occasional rootlets. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are subangular to subrounded limestone. (TOPSOIL) Soft reddish brown slightly gravelly slightly silty CLAY with occasional to rare cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles		
D	- 0.60 - -		-	(0.50)	м	are subangular to subrounded limestone. (SUBSOIL) Orangish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
	- - -		115.5 9 - -	1.00 (0.50)	M/H	Light greyish creamy brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to angular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
D	- 1.40 - 1.50 - - - - - - - - - - - - -				VH	(WHITE LIMESTONE FORMATION) Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, obbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.60m		
	_							

Groundwater: Seepage at 1.50m bgl. Stability: Stable Remarks: Terminated at 1.60m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion. Logged: KM Checked: AS		Length:	52.00m
completion.	Groundwater: Seepage at 1.50m bgl. Stability: Stable	Width:	0.60m
		Logged:	KM
		Checked	: AS

TRIAI	L PIT	LOG					T	P53
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		18/05/202	21			Scale		1:25
Ground	Level	117.47m	AOD	Coo	rdinates	E 454469.25 N 228761.20 Total Depth	1	.60m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- - 0.20 -		- - 117.17- -	(0.30)	E	Soft dark brown slightly slightly gravelly CLAY with occasional cobbles and occasional rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are angular to subrounded limestone.		
D	- 0.60 -		116.62	(0.55) 0.85	м	subangular limestone. (WHITE LIMESTONE FORMATION)		
D	- 1.00 		116.27-	(0.35) 1.20		Light creamy greyish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)		
D B	- - 1.40 - 1.50		- - - 115.87-	(0.40)		Moderately strong to strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
						End of Trial Pit at 1.60m		

Method: Wheeled backhoe excavator.	Length:	2.30m
Groundwater: Groundwater not encountered. Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.60m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked:	AS

TRIA	L PIT	LOG					Т	P54
Project		Land adja	acent to J	lunction	10, M40	, Ardley Project No.	AG326	\$8-21
Client		Albion La	nd Ltd			Sheet	1	1 of 1
Date		18/05/202	21			Scale		1:25
Ground	Level	117.46m	AOD	Coo	rdinates	E 454468.00 N 228691.00 Total Depth	1	.75m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - -		- - 117.16- -	(0.30) 0.30	E	Soft dark brown slightly slity slightly gravelly CLAY with occasional rootlets and cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Orangish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular		
D	- - 0.70 -		- - 116.56-	(0.60) 0.90	E/M	limestone. (WHITE LIMESTONE FORMATION)		- - -
D	 - - 1.20			(0.50)	н	Light creamy brownish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)		
D B	- - 1.50 - 1.60		116.06-	1.40 (0.35) 1.75	∨н	Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subrounded tabular limestone. (WHITE LIMESTONE FORMATION)		
						End of Trial Pit at 1.75m		

Method: Wheeled backhoe excavator.	Length:	2.30m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.75m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS

TRIA	_ PIT	LOG					ТІ	P55
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No .	AG326	8-21
Client		Albion La	ind Ltd			Sheet		l of 1
Date		24/05/202	21			Scale		1:25
Ground	Level	122.90m	AOD		rdinates	E 454535.61 N 229320.46 Total Depth	2	.30m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - -		_ 122.70- _	(0.20) 0.20	E	Soft dark brown slightly slity slightly gravelly CLAY with occasional cobbles and frequent rootlets. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are subangular and subrounded limestone. (TOPSOIL)		
D	- 0.40 		- - 122.20-	(0.50) 0.70	M/H	Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
D	 0.90 			0.70		Light creamy orangish brownish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
D	- - - 1.70			(1.59)	M/H			
DB	- - 2.00 - 2.10		-			Below 1.90m bgl: becoming very clayey.		
В	- 2.10 - -		- 120.62- 120.60_	(0.01)		LIMESTONE (Unable to penetrate) \(WHITE LIMESTONE FORMATION)		
				2.30		(WHITE LIMESTONE FORMATION) End of Trial Pit at 2.30m		

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Stable

 Remarks:
 Terminated at 2.30m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

TRIAL	. PIT I	LOG					Т	P56
Project		Land adja	acent to .	Junction	10, M40	Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		18/05/202	21			Scale		1:25
Ground	Level	122.20m	AOD		rdinates	E 454535.32 N 229254.64 Total Depth	2	.20m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
	(m) - 0.40 - 0.50 - 0.80 		(mAoD) 121.90- 121.75 - - - - - - - - - - - - -	(0.30)	of Dig E E	Soft dark brown slightly slightly gravelly CLAY with frequent rootlets near surface and occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are subangular to subrounded limestone. (TOPSOIL) Soft dark reddish brown slightly slightly gravelly CLAY with occasional to rare cobbles. Gravel is fine to coarse subangular to subrounded limestone. (Cobbles are subangular to subrounded limestone. (SUBSOIL) Soft to firm orangish brown gravelly CLAY with frequent cobbles. Gravel is fine to coarse subangular to subrounded limestone. (WHITE LIMESTONE FORMATION) Light creamy yellowish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to subrounded limestone. (WHITE LIMESTONE FORMATION)		
D - B -	- 1.60 - 1.70 -		-	(0.80)	н			9
	- 2.10 - 2.10 			(0.20)	VH	Moderately strong thinly bedded creamy yellowish white LIMESTONE recovered as gravel, cobbles and boulders of tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 2.20m		

Method: Wheeled backhoe excavator.	Length:	2.20m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 2.20m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS

TRIA	_ PIT	LOG					Т	P57
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	8-21
Client		Albion La	nd Ltd			Sheet	1	l of 1
Date		25/05/202	21			Scale		1:25
Ground	Level	121.53m	AOD	Coo	rdinates	E 454534.04 N 229169.74 Total Depth	1	.85m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES D D D	- 0.20 - 0.35 - 0.50 			(0.30)	E E/M M/H	Soft dark brown slightly slity slightly gravelly CLAY with occasional cobbles and occasional rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Light creamy orangish brownish white very clayey GRAVEL with frequent cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Light creamy orangish brownish white very clayey GRAVEL with frequent cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Below 1.30m bql: rare boulders (maximum size 0.30m x 0.30m) of angular to subangular		
D	- 1.60 - 1.70 - 1.70 			1.40 (0.45) 1.85	H/VH	Below 1.30m bgl: rare boulders (maximum size 0.30m x 0.30m) of angular to subangular (abular limestone. LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.85m		
	_							

Method: Wheeled backhoe excavator. Length: 2.50m Groundwater: Groundwater not encountered. Width: 0.60m Stability: Slight collapse of rock stratum below 1.40m. Remarks: Terminated at 1.85m bgl due to competent rock strength strata. Trial pit backfilled with arisings on Logged: KM completion. Checked: AS

TRIA	L PIT	LOG					Т	P58
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No .	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		24/05/202	21			Scale		1:25
Ground	Level	120.64m	AOD	Coo	rdinates	E 454537.32 N 229096.27 Total Depth	2	.00m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- - 0.20 -		- - 120.34-		E	Soft dark brown slightly gravelly slightly silty CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL)		·
D	- 0.50 -		 120.04-	(0.30) 0.60	E/M	Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)	بِفَ، ⁰ جِبَ، ⁰ <u>0</u> 0 من <u>1</u> 0 0 0 1 0 0 0 1 0 0 0	00,100
D	- 0.80 - -			(4.40)		Light creamy orangish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		اهما اهما اهم.
D	- - - 1.40		-	(1.10)	M/H	Below 1.40m bgl: very clayey.	بن ⁶ ، ⁶ ، ⁶ ، و <u>د</u> ، <i>و</i> و <u>د</u> ، <i>و</i> و <u>د</u> ، <i>و</i> و <u>د</u> ، <i>و</i>	al
D B	- - - 1.80 - 1.90 - - -			1.70 (0.30) 2.00	H/VH	Moderately strong thinly bedded light creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 2.00m		

Method: Wheeled backhoe excavator.	Lenath:	2.30m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 2.00m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	КМ
	Checked:	AS

TRIA	L PIT	LOG					T	P59
Project		Land adja	icent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		21/05/202	21			Scale		1:25
Ground	Level	120.00m	AOD	Coo	rdinates	E 454538.59 N 229035.05 Total Depth	1	.90m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES D	- 0.10 - - 0.50 - - - - - -			(0.30) 0.30 (0.15) 0.45 (0.85)	E E M	Soft dark brown slightly gravelly slightly slity CLAY with rare to occasional rootlets and rare to occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Soft to firm reddish brown slightly gravelly CLAY with rare to occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone. (SUBSOIL) Orangish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Light creamy greyish brownish white slightly gravelly CLAY with frequent		
D	- 1.40 		-	(0.55)		cobbles and rare to occasional boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		. a
B	 1.80 1.80<td></td><td></td><td>1.85 (0.05) 1.90</td><td>VH</td><td>Moderately strong creamy greyish brown fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.90m</td><td></td><td></td>			1.85 (0.05) 1.90	VH	Moderately strong creamy greyish brown fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.90m		

Method: Wheeled backhoe excavator.	Length: 2.30m
Groundwater: Groundwater not encountered.	
Stability: Stable	Width: 0.60m
Remarks: Terminated at 1.90m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

Client Albion Land Ltd Sheet Date 21/05/2021 Scale Ground Level 119.81m AOD Coordinates E 454538.73 N 228972.49 Total Depth	TP60						LOG	_ PIT	TRIA
Date 21/05/201 Scale Ground Level 119.81m AOD Coordinates E 454538.73 N 228972.49 Total Depth ^{Trest} / _{Type} Depth Result InvAoD Coordinates E 454538.73 N 228972.49 Total Depth ^{Trest} / _{Type} Depth Result InvAoD Coordinates E 454538.73 N 228972.49 Total Depth ^{Trest} / _{Type} Depth Result InvAoD Coordinates Soft dark brown slightly silty slightly gravelly CLAY with occasional cobbles and coordises. Gravel is fine to coarse subangular to subrounded limestone. (0.25) E Soft dark brown slightly gravelly CLAY with rare to occasional cobbles and rare to occasional roots. Gravel is fine to coarse subangular to subrounded limestone. (0.25) E Soft dark greyish brown very gravelly CLAY with occasional cobbles are subangular to subrounded limestone. (SUBSOIL) D 0.60 119.31 0.50 Firm to stiff dark greyish brown very gravelly CLAY with occasional cobbles and rare to occasional roots. Gravel is fine to coarse subangular to subrounded limestone. (SUBSOIL) D 1.80 118.41 1.40 Orangish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. D	AG3268-21	Project No.), Ardley	10, M40	lunction	acent to J	Land adja		Project
Ground Level 119.81m AOD Coordinates E 454538.73 N 228972.49 Total Depth Sample Type Depth (m) Result Level (mAoD) Soft (mAoD) Ease of Dig Description of Strata ES 0.30 119.56 0.25 E Soft dark brown slightly slightly gravelly CLAY with accasional cobbles and cobbles and quartzite. (TOPSOIL) Soft dark brown slightly slightly gravelly CLAY with are to occasional cobbles and rare to occasional roots and rootets. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are subangular to subrounded limestone. D 0.60 19.31 0.50 B 0.70 - - - - (0.90) E/M D 1.80 118.41 1.40 - - - - D 1.60 118.21 1.60 - D 1.80 118.01 1.80 1.95 VH D 1.80 117.86 1.95 VH D 1.80 117.86 1.95 VH D 1.80 117.86 1.95 VH<	1 of 1	Sheet				nd Ltd	Albion La		Client
Sample Type Depth (m) Result Level (mAoD) Ease of Dig (mAoD) Description of Strata ES 0.30 119.56 0.25 Soft dark brown slightly slightly gravelly CLAY with occasional cobbles and occasional roottes. Gravel is fine to coarse subangular to subrounded limestone and quartzite. (TOPSOIL) D 0.60 119.36 0.50 Soft to firm reddish brown slightly gravelly CLAY with rare to occasional cobbles and rare to occasional roots and roottes. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are subangular to subrounded limestone. D 0.60 -	1:25	Scale				21	21/05/202		Date
Type Description of Strata Type (m) Result Leven (mAoD) Soft dark brown slightly silty slightly gravelly CLAY with occasional cobbles and occasional roots and roots. Gravel is fine to coarse subangular to subrounded limestone. D 0.60 -	1.95m	Total Depth	s E 454538.73 N 228972.49	rdinates	Coo	AOD	119.81m	Level	Ground
ES 0.30 119.56 0.25 0.25 CTOPSOLL) D 0.60 119.31 0.50 Soft to firm redish brown slightly gravelly CLAY with rare to occasional cobles are subangular to subrounded limestone. Cobles are subangular to subrounded limestone. Cobles are subangular to subrounded limestone. D 0.60 - - (0.90) E/M B 0.70 - - - (SUBSOL) D 1.30 - - - - D 1.80 118.41 1.40 - - - D 1.80 118.21 1.60 - - - - D 1.80 118.01 1.80 - - - - - D 1.80 118.01 1.80 - - - - - D 1.80 118.21 1.60 - - - - - - - D 1.80 118.51 1.80 - - - - - - - - - - -	Legend GW	of Strata	Descripti		Depth (thickness)		Result		/ Test
		a of Strata relly CLAY with occasional cobbles and rse subangular to subrounded ly CLAY with rare to occasional d rootlets. Gravel is fine to coarse obbles are subangular to subrounded velly CLAY with occasional cobbles ne to coarse subangular to ular to subrounded limestone. equent cobbles. Gravel is fine to coarse as are angular to subangular vey GRAVEL with frequent cobbles se angular to subangular limestone. brownish white fossiliferous es and boulders of fine to coarse	Soft dark brown slightly silty slightly gravoccasional rootlets. Gravel is fine to collimestone and quartzite. (TOPSOIL) Soft to firm reddish brown slightly gravocobbles and rare to occasional roots and subangular to subrounded limestone. (SUBSOIL) Firm to stiff dark greyish brown very grand rare to occasional roots. Gravel is subrounded limestone. Cobbles are are (WHITE LIMESTONE FORMATION) Orangish brown clayey GRAVEL with f angular to subangular limestone. Cobbles imestone. (WHITE LIMESTONE FORMATION) Light creamy brownish white slightly cland rare boulders. Gravel is fine to coas (WHITE LIMESTONE FORMATION) Dight creamy brownish white slightly cland rare boulders. Gravel is fine to coas (WHITE LIMESTONE FORMATION) Moderately strong thinly bedded cream LIMESTONE FORMATION)	ef Dig E E E/M M H	Depth (thickness) (0.25) (0.25) (0.25) (0.25) (0.25) (0.90) (0.90) 1.40 (0.20) 1.60 (0.20) 1.80 (0.15)	(mAoD) 	Result	(m) - - - 0.30 - - 0.60 - 0.70 - - - - - - - - - - - - -	/ Test Type ES D B D D D D

Groundwater: Groundwater not encountered. Stability: Stable Benerica: Terminated at 1.05m holdup to competent peak strength strengt. Teicl with peak filled with enising on	Length: 2.30m
Remarks: Terminated at 1.95m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	
completion.	Width: 0.60m
Checked: AS	ompetent rock strength strata. Trial pit backfilled with arisings on Logged: KM
	Checked: AS

TRIAL	- PIT	LOG					TI	P61
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet	1	l of 1
Date		20/05/202	21			Scale		1:25
Ground	Level	118.32m	AOD	Coo	rdinates	E 454539.04 N 228901.53 Total Depth	2	.00m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - -		- 118.12- -	(0.20) 0.20 (0.30)	E	Soft dark brown slightly gravelly slightly silty CLAY with occasional cobbles and occasional rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Soft reddish brown slightly slightly gravelly CLAY with rare rootlets and		
D	- 0.60 - -		117.82- - - 117.52-	0.50 (0.30) 0.80	м	occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular limestone. (SUBSOIL) Orangish brown clayey slightly sandy GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are subangular to angular limestone.		
D	- - - 1.20		-	(0.60)	M/H	(WHITE LIMESTONE FORMATION) Light creamy greyish brownish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to angular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)	• •	
D	- - 1.60		116.92- 	1.40 (0.60)	H/VH	Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
В	- 1.90 		- 116.3 2 - - - - -	2.00		End of Trial Pit at 2.00m		
			-					
	- - -							
	- - -							

	Width:	0.60m
	Width:	0 C 0 m
Remarks: Terminated at 2.00m bgl due to competent rock strength strata. Trial pit backfilled with arisings on		0.60m
	Logged:	KM
	Checked:	AS

TRIA	_ PIT	LOG					T	P62
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		19/05/202	21			Scale		1:25
Ground Level 116.27m AOD			rdinates	E 454540.88 N 228833.14 Total Depth	1	.90m		
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES D LB	- 0.10 - - 0.40 - 0.50 - -		116.02 115.92 115.52 115.52	(0.25) 0.25 (0.10) 0.35 (0.40) 0.75	E E M/H	Soft dark brown slightly slity slightly gravelly CLAY with occasional cobbles and rootlets. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are subangular to subrounded limestone. (TOPSOIL) Soft dark reddish brown slightly slity slightly gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (SUBSOIL) Dark orangish brown slightly clayey slightly sandy GRAVEL with occasional cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. Cobbles are angular to subangular limestone.		а в - Та 4. Та 4. Та 4. Та 4. Та 1. С. Т. С. К. С. С. С. С. С.
D	 - - 1.20 -			(0.85)		(WHITE LIMESTONE FORMATION) Light creamy yellowish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) Below 1.30m bgl: increased clay content.		
D B	- - 1.70 - 1.80 -			1.60 (0.30) 1.90		Moderately strong thinly bedded creamy yellowish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.90m		

Groundwater: Seepage at 1.50m bgl.	-
Stability: Stable	Width: 0.60m
Remarks: Terminated at 1.90m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

Level	Land adja Albion Lai 20/05/202	nd Ltd	lunction	10, M40,	Ardley Project No.	AG326	68-21
	20/05/202				Sheet		1 of 1
		21			Scale		1:25
Depth	l l		Coo	rdinates	E 454539.09 N 228762.38 Total Depth	1	.90m
(m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
- - - 0.40		- - 115.41- - -	(0.30) 0.30 (0.40)	E	quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Soft reddish brown slightly slightly gravelly CLAY with rare to occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are subangular to subrounded limestone.		
- - - 0.90 		115.01- - - -	0.70 (0.50)		subangular to subrounded limestone. Cobbles are angular to subangular limestone.		
- 1.20 - -		114.51- - - -	1.20 (0.40)		Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone.		
- 1.80 - 1.80 		114. IF	(0.30) 1.90	VH	LIMESTONE recovered as gravel, cobbles and boulders of angular to subangular fine to coarse tabular limestone.		3
-							
- - - - - - - -							
	0.90	0.90 1.20 1.60	0.40	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0.40 115.41 0.30 (0.40) Image: constraint of the system of the sy	0.40 115.41 0.30 0.40 0.40 (0.40) 0.40 Soft reddish brown slightly slightly gravelly CLAY with rare to occasional cobles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are subangular to subrounded limestone. (SUBSOIL) 0.90 0.500 M Orangish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to subangular fine to coarse tabular limestone. (WHITE LIMESTONE FORMATION)

Method: Wheeled backhoe excavator.	Length:	2.30m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.90m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS
	-	

TRIAL PIT	LOG			TI	P64
Project	Land adjacent to	Junction 10, M40), Ardley Project No.	AG326	68-21
Client	Albion Land Ltd		Sheet		1 of 1
Date	20/05/2021		Scale		1:25
Ground Level 116.20m AOD		Coordinate	s E 454539.14 N 228691.95 Total Depth	1	.55m
Sample / Test Type (m)	Result Level (mAoD)	Strata Depth (thickness) (m) Ease of Dig	Description of Strata	Legend	GW
ES - 0.10 - - -		(0.25) 0.25 (0.25) E	Soft dark brown slightly slightly gravelly CLAY with occasional rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Soft reddish brown slightly slightly gravelly CLAY with rare rootlets and occasional to rare cobbles. Gravel is fine to coarse subangular to subrounded limestone. (limestone. Cobbles are angular to subrounded subrounded occasional to rare cobbles. Gravel is fine to coarse subangular to subrounded limestone.		
D - 0.70		(0.60) M	(SUBSOIL) Orangish brown slightly sandy clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to angular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D - 1.10 - D - 1.30	115.10- - 114.90-	(0.20) H	Light creamy brownish grey slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to angular limestone. Cobbles are angular to subangular tabular limestone.		
D - 1.30 B - 1.40 		(0.25) VH	lo subarigular tabular limestone. (WHITE LIMESTONE FORMATION) Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.55m		

Method: Wheeled backhoe excavator.	Length:	2.30m
Groundwater: Groundwater not encountered.	<u> </u>	
Stability: Stable	Width:	0.60m
	Logged:	КМ
	Checked:	: AS

TRIA	_ PIT	LOG					т	P65
Project		Land adjace	ent to J	unction	10, M40	, Ardley Project No.	AG326	8-21
Client		Albion Land	l Ltd			Sheet	1	of 1
Date		21/05/2021				Scale		1:25
Ground	Level	115.86m AC	DD	Coo	rdinates	E 454538.58 N 228622.09 Total Depth	1	.80m
Sample / Test Type	Depth (m)		Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
Sample	Depth	Result ()	Level	Strata Depth	Ease of Dig E E M/H M/H			

Method: Wheeled backhoe excavator.	Length:	2.20m
Groundwater: Groundwater not encountered.		
Stability: Slight collapse of lower strata.	Width:	0.60m
Remarks: Terminated at 1.80m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS

TRIAL P	I TI	LOG					Т	P66
Project		Land adja	cent to J	Junction	10, M40	, Ardley Project No.	AG326	8-21
Client		Albion La	nd Ltd			Sheet	1	of 1
Date		24/05/202	21			Scale		1:25
Ground Lev	vel	122.13m /	AOD		rdinates	E 454586.84 N 229305.43 Total Depth	2	.00m
/ lest	epth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
Sample / Test Type ((ES - 0 - - - - - - - - - - - - -	epth		Level	Strata Depth	Ease	•		
-								

Method: Wheeled backhoe excavator.	Length:	2.30m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
emarks: Terminated at 2.00m bgl due to competent rock strength strata. Trial pit backfilled with arisings on ompletion.	Logged:	KM
	Checked	: AS

TRIA	L PIT	LOG					TI	P67
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		24/05/202	21			Scale		1:25
Ground	Level	121.36m AOD			rdinates	E 454613.99 N 229248.72 Total Depth	2	.00m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - -		121.11	(0.25) 0.25	E	Soft dark brown slightly slightly gravelly CLAY with occasional cobbles and frequent rootlets. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are angular to subrounded limestone. (TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine		
D	- 0.50 - -		-	(0.65)	E/M	to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	- 0.90 		120.46- 	0.90		Light creamy orangish brown very clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
D	- - - 1.50		-	(0.80)	Μ			
D B	- - 1.80 - 1.90		119.66- - - 119.3 6 -	1.70 (0.30) 2.00	н/vн	Moderately strong thinly bedded light creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 2.00m		

Groundwater: Groundwater not encountered.	Length:	2.50m
Stability: Stable	Width:	0.60m
Remarks: Terminated at 2.00m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.		КМ
	Checked	AS

TRIAL	_ PIT	LOG					Т	P68
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		24/05/202	21			Scale		1:25
Ground	Level	120.66m AOD		Coordinates		E 454603.67 N 229177.58 Total Depth		.15m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES D	- 0.10 - - 0.40 -		- - 120.36- - -	(0.30) 0.30	E	Soft dark brown slightly slity slightly gravelly CLAY with occasional cobbles and occasional to frequent rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are angular to subangular limestone. ((TOPSOIL) Dark orangish brown slightly clayey to clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone.	A	
В	- - 0.80 - - -		- - - 	(0.90)	E/M			
	-		-	(0.70)	M/H	Light creamy brownish grey slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
D	- 1.70 -		-				، <u>ف</u> ، م ف فی ہ ف	
B	- 2.00 - 2.00 - - - - - - - - - - - - -		118.76- 	1.90 (0.25) 2.15	∨н	Moderately strong thinly bedded light creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 2.15m		

Method: Wheeled backhoe excavator.	Length:	2.40m
Groundwater: Seepage at 2.00m bgl.	<u> </u>	
Stability: Stable	Width:	0.60m
Remarks: Terminated at 2.15m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.		KM
	Checked	: AS

TRIAL	_ PIT	LOG					TF	P69
Project		Land adja	icent to	Junction	10, M40	, Ardley Project No.	AG326	8-21
Client		Albion La	nd Ltd			Sheet	1	of 1
Date		18/05/202	21			Scale		1:25
Ground Level 120.51m AOD			AOD	Coo	rdinates	E 454611.38 N 229112.86 Total Depth	2.	20m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- - 0.20 - -		- - 120.21- - - -	(0.30) 0.30		Soft dark brown slightly slity slightly gravelly CLAY with occasional rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Firm orangish brown very gravelly slightly sandy CLAY with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	- - 0.90 		- - - - - - - -	(0.90)	M			
D	- - 1.40 - -		-	(0.60)		Light creamy brownish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
D B	- 1.80 - 2.00		118.71- - 	1.80 (0.40)		Moderately strong thinly bedded creamy brownish white LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse subangular to subrounded tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)		
			118.31- -	2.20		End of Trial Pit at 2.20m		

Method: Wheeled backhoe excavator.	Length:	2.20m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 2.20m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS
	•	

TRIAL PIT	LOG			T	P70
Project	Land adjacent to	Junction 10, M4	0, Ardley Project No.	AG326	68-21
Client	Albion Land Ltd		Sheet		1 of 1
Date	17/05/2021		Scale		1:25
Ground Level	120.09m AOD	Coordinate	s E 454610.06 N 229041.98 Total Depth	2	.00m
Sample / Test Type (m)	Result Level (mAoD)	Strata Depth (thickness) (m) Ease of Dig	Description of Strata	Legend	GW
ES - 0.10 - D - 0.40 - -		(0.25) 0.25 E	Soft dark brown slightly gravelly CLAY with rare cobbles and rare rootlets. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are subangular to subrounded limestone. (TOPSOIL) Orangish brown clayey slightly sandy GRAVEL with frequent cobbles. Gravel is fine to coarse subangular limestone. Cobbles are subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
LB - 0.80 - - - - D - 1.40	- - - - - - - - - - - - - - - - - - -	1.50			
- B - 1.80 D - 1.80 - - - - - -		(0.30) 1.80 (0.20)	Creamy whitish brown slightly sandy GRAVEL with frequent cobbles. Gravel is fine to coarse subangular limestone. Cobbles are subangular tabular limestone. (WHITE LIMESTONE FORMATION) Moderately strong thinly bedded creamy whitish brown LIMESTONE recovered as gravel, cobbles and boulders. Gravel is fine to coarse angular to subangular fossiliferous limestone. Cobbles are subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 2.00m		

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Stable

 Remarks:
 Terminated at 2.00m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

Client Albion Land Ltd Sheet 1 of 1 Date 17/05/2021 Scale 1:25 Ground Level 119.56m AOD Coordinates E 454608.65 N 228971.68 Total Depth 2.20m Sample Depth Level Strate Free	TRIAL PIT	LOG			TP71
Date 17/05/2021 Scale 1.24 Ground Level 19.56m AOD Coordinates E 454608.65 N 228971.68 Total Depth 2.20m Image: transmit in the start of the	Project	Land adjacent to	Junction 10, M4	D, Ardley Project No.	AG3268-21
Ground Level 119.56m AOD Coordinates E 454608.65 N 228971.68 Total Depth Call Depth Legend Continue Continue Continue E 454608.65 N 228971.68 Total Depth Call Depth Legend Continue Continte Continue C	Client	Albion Land Ltd		Sheet	1 of 1
Sample (Type Type Depth (m) Result Level (mAOD) Ease of Dig (mAOD) Ease of Dig (mAOD) Description of Strata Legend GW ES 0.20 119.26 0.30 Ease (0.30) E Soft dark brown slightly gravelly CLAY with rare cobbles and rare rootlets. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are subangular to subrounded limestone. (TOPSOIL) Cobbles are subangular to subrounded limestone. Crangish brown slightly sandy very clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse subangular limestone. (WHITE LIMESTONE FORMATION) E/M D 1.10 E/M E/M Light creamy brownish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to angular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION) E/M D 1.10 0 0.400 M M D 1.70 0 0.400 M M D 1.70 0 0.400 M M D 1.70 0.300 VH M Uight creamy brownish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular tabular fossiliferous limestone. Cobbles are subangular tabular fossiliferous limestone. Cobbles are subangular tabular fossiliferous limestone. C	Date	17/05/2021		Scale	1:25
Trest Type Depth (m) Result Level (mAoD) Depth (mod) Ease of Dig (mod) Description of Strata Legend GW ES 0.20 119.26 0.30 E Carvel is fine to coarse subangular to subrounded limestone and quartzite. Cobles are subangular to subrounded limestone. (TOPSOIL) Orangish brown slightly snady very clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse subangular limestone. (WHITE LIMESTONE FORMATION) Orangish brown slightly snady very clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse subangular limestone. (WHITE LIMESTONE FORMATION) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to angular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION) D 1.10 -	Ground Level	119.56m AOD	Coordinate	s E 454608.65 N 228971.68 Total Depth	2.20m
ES 0.20 0.30 E Soft dark brown slightly gravelly CLAY with rare cobbles and rare rootlets. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are subangular to subrounded limestone. D 0.60 - - Orangish brown slightly gravelly CLAY with rare cobbles and rare rootlets. Gravel is fine to coarse subangular to subrounded limestone. (TOPSOL) Orangish brown slightly sandy very clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse subangular limestone. (WHITE LIMESTONE FORMATION) D 1.10 - - - D 1.170 - - - D 1.170 - - - D 1.17.66 1.90 - - D 2.10 - - - D 2.10 - - -	/ Test Depti		Depth Ease (thickness) of Dig	Description of Strata	Legend GW
D 0.60 - - (WHITE LIMESTONE FORMATION) D - 1.20 E/M E/M E/M D - 1.10 - - - D - 1.10 - - - - D - 1.10 - - - - D - 1.18.06 1.50 - Light creamy brownish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to angular tabular fossiliferous limestone. - - - O - 1.70 - (0.40) M WHITE LIMESTONE FORMATION) B - 2.00 - - - - - D - 1.70 - - - - - Moderately strong thinly bedded creamy whitish brown fossiliferous - - - - D - 2.10 - - - - - Moderately strong thinly bedded creamy whitish brown fossiliferous - - - -	_	- - 119.26 -	(0.30) E	Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are subangular to subrounded limestone. (TOPSOIL) Orangish brown slightly sandy very clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse subangular limestone. Cobbles are	
D 1.10 D 1.10 Image: D 118.06 D 1.70 Image: D 0.40) Image:	D - 0.60				
D 1.70 - (0.40) M Light creamy brownish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to angular tabular fossiliferous limestone. Cobbles are subangular tabular fossiliferous limestone. - <	D - 1.10				
B -2.00 -0.30) VH UModefacely strong trinny bedded creamy whitish brown tossinerous D -2.10 -0.30) VH UMESTONE recovered as gravel, cobbles and bounders of subangular to angular tabular limestone. Image: tabular limestone -0.30) VH VH VH	– – – – – – – – – – – – – – – – – – –	- 118.0 6 - -	(0.40)	Gravel is fine to coarse subangular to angular tabular fossiliferous limestone. Cobbles are subangular tabular fossiliferous limestone.	
		-	(0.30) VH	Moderately strong thinly bedded creamy whitish brown fossiliferous LIMESTONE recovered as gravel, cobbles and bounders of subangular to angular tabular limestone. (WHITE LIMESTONE FORMATION)	

Method: Wheeled backhoe excavator. Length: 2.00m Groundwater: Groundwater not encountered. Width: 0.60m Stability: Stable. Remarks: Terminated at 2.20m bgl due to competent rock strength strata. Trial pit backfilled with arisings on Logged: KM completion. Checked: AS

TRIA	L PIT	LOG					Т	P72
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		20/05/202	21			Scale		1:25
Ground	Level	118.36m /	AOD		rdinates	E 454608.94 N 228902.01 Total Depth	2	.00m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	_ _ 0.25 _		_ 118.16- 118.02_	(0.20) 0.20 (0.15) 0.35	E M	Soft dark brown slightly gravelly slightly silty CLAY with rare to occasional rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Soft reddish brown slightly gravelly slightly silty CLAY with occasional cobbles.		
D	- 0.60 - - - - -			(1.05)	M/H	Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are subangular to subrounded limestone. (SUBSOIL) Light yellowish greyish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	- - 1.50 - -		116.96- 	1.40 (0.60)	н/ун	Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
B	- 1.90 - 1.90 		- 116.3 6 - - - - - - - - - - - - - - - - - - -	2.00		End of Trial Pit at 2.00m		
	-		-					

Groundwater: Groundwater not encountered.	.ength:	2.20m
Stability: Slight collapse of strata between 0.35m and 1.40m bgl.	Vidth:	0.60m
Remarks: Terminated at 2.00m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	.ogged:	KM
	Checked:	AS

TRIA	L PIT	LOG					TP	72A
Project		Land adja	icent to .	Junction	10, M40	, Ardley Project No .	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		02/06/202	21			Scale		1:25
Ground	Level	118.37m	AOD	Coo	rdinates	E 454608.94 N 228902.01 Total Depth	1	.90m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
				(0.30) 0.50 (1.25)	E E/M M	Soft dark brown slightly sitly slightly gravelly CLAV with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse angular to subrounded quartzite and limestone. Cobbles are angular to subrounded limestone. (TOPSOIL) Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. (WHITE LIMESTONE FORMATION) Light orangish brown slightly clayey GRAVEL with frequent cobbles and rare to occasional boulders. Gravel is fine to coarse angular to subangular limestone. (WHITE LIMESTONE FORMATION) Below 1.20m bgl: becoming light creamy brownish white. Moderately strong thinly bedded creamy whitish brown fossiliferous LIMESTONE FORMATION) EIMESTONE FORMATION) EIMESTONE FORMATION) Below 1.20m bgl: becoming light creamy brownish white. Moderately strong thinly bedded creamy whitish brown fossiliferous LIMESTONE FORMATION) End of Trial Pit at 1.90m		

Method: Wheeled backhoe excavator. Groundwater: Groundwater not encountered.	Length:	2.05m
Stability: Slight collapse of north wall	Width:	0.60m
Remarks: Terminated at 1.90m bgl due to competent rock strength strata. Trial pit used for soakaway testing prior to being backfilled with arisings on completion of test, see separate sheets for soakaway results.	Logged:	KM
	Checked	: AS

TRIAL	_ PIT	LOG					T	P73
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No .	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		20/05/202	21			Scale		1:25
Ground	Level	116.72m	AOD	Coo	rdinates	E 454609.08 N 228832.08 Total Depth	1	.90m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES B D	- 0.10 - - - 0.50 - 0.60		- - 116.42- -	(0.30) 0.30	E	Soft dark brown slightly slightly gravelly CLAY with occasional cobbles and rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Orangish yellowish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone.		
	- - 		- - 115.82- -	(0.60) 0.90 (0.50)	E/M	(WHITE LIMESTONE FORMATION) Light creamy brownish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone.		
D	- 1.20 - - - 1.50		- - 115.32- -	1.40	-	(WHITE LIMESTONE FORMATION) Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse		
В	- - - 1.80 -		- - - 114.82-	(0.50) 1.90		angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.90m		

Groundwater: Groundwater not encountered. Stability: Stable Benerica: Terminated at 1,00m bol due to seeme start week strength stores. Trick with best-filled with existing a se	h: 2.40m
Remarks: Terminated at 1.90m bgl due to competent rock strength strata. Trial pit backfilled with arisings on Logg	
	0.60m
	d: KM
Chec	ed: AS

TRIAI	L PIT	LOG					T	P74
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		21/05/202	21			Scale		1:25
Ground	Level	114.90m	AOD	Coo	rdinates	E 454609.19 N 228762.21 Total Depth	1	.85m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- - - - 0.40		- 114.60- - 114.40-	(0.30)	E	Soft dark brown slightly gravelly slightly silty CLAY with occasional rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Soft reddish brown slightly silty slightly gravelly CLAY with occasional cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone.		
D	- - - - - -		- - 114.00- -	(0.40) 0.90	М	(SUBSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Light creamy brownish white clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone.		
D B	- - - 1.60 - 1.70 -		- - - 113.10-		м/н	(WHITE LIMESTONE FORMATION) Moderately weak thinly bedded brownish white fossiliferous LIMESTONE		
				(0.03) 1.83 (0.02) 1.85		Inderately weak thinly bedded brownish white fossiliterous LIMES FORE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHTE LIMESTONE FORMATION) Inderately weak LIMESTONE - unable to penetrate. (MHTE LIMESTONE FORMATION) Inder Trial Pit at 1.85m		

Groundwater: Groundwater at 1.60m bgl. Stability: Stable Remarks: Terminated at 1.85m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion. Checked:	2.30m
Remarks: Terminated at 1.85m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	0.60m
completion.	0.60m
Checked:	КМ
	AS

TRIA	L PIT	LOG					T	P75
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	58-21
Client		Albion La	ind Ltd			Sheet		1 of 1
Date		20/05/202	21			Scale		1:25
Ground	Level	114.22m	AOD		rdinates	E 454608.29 N 228692.15 Total Depth	1	.55m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES D LB	- 0.30 - 0.50 0.80		- 113.92- 113.78 - - - - -	(0.30) 0.30 (0.15) 0.45 (0.65)	E E M	Soft dark brown slightly slightly gravelly CLAY with occasional cobbles and occasional rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Soft reddish brown slightly slity slightly gravelly CLAY with occasional cobbles and rare roots and rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (SUBSOIL) Orangish yellowish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D LB	- - - 1.40 - 1.40 - - - - -		113.12- 112.68 	1.10 (0.45) 1.55	M/H	Light creamy brownish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.55m		
	-		-					

Method: Wheeled backhoe excavator.	Length:	2.20m
Groundwater: Slight seepage at 0.9m bgl. Fast seepage at 1.50m bgl. Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.55m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
·	Checked	: AS

TRIAL	- PIT	LOG					T	P76
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No .	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date	Date 19/05/2021				Scale		1:25	
Ground	Level	114.15m	AOD		rdinates	E 454608.80 N 228619.57 Total Depth	1	.80m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
/ Test		Result		(thickness) (0.20) 0.20 (0.80)		Description of Strata Soft dark brown slightly gravelly slightly silty CLAY with rare to occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) Firm orangish brown gravelly CLAY with occasional cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Light creamy brownish greyish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. (WHITE LIMESTONE FORMATION) Light creamy the subangular limestone. (WHITE LIMESTONE FORMATION) Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE FORMATION) Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE FORMATION) Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE FORMATION) End of Trial Pit at 1.80m	Legend	GW
	-		-					
	- - -		-					

Method: Wheeled backhoe excavator.	Length:
Groundwater: Seepage at 1.75m bgl Stability: Sides collapsing in	Width: 0.60m
Remarks: Terminated at 1.80m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

TRIAL PIT	LOG			Т	P77
Project	Land adjacent to	Junction 10, M40), Ardley Project No .	AG326	68-21
Client	Albion Land Ltd		Sheet	1	1 of 1
Date	19/05/2021		Scale		1:25
Ground Level	114.01m AOD	Coordinates	s E 454596.75 N 228551.51 Total Depth	1	.45m
Sample / Test Type (m)	Result Level (mAoD)	Strata Depth (thickness) (m) of Dig	Description of Strata	Legend	GW
ES - 0.10 - - -	- - 113.71- -	(0.30) E 0.30	Soft dark brown slightly slity slightly gravelly CLAY with occasional cobbles and rootlets. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are subangular to subrounded limestone. (TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular		
D - 0.70 -		(0.70) M/H	limestone. (WHITE LIMESTONE FORMATION)		
— – – В – 1.30	113.0 1 112.91- - -	1.00 (0.10) H/VH 1.10 (0.35) VH	Light creamy brownish white slightly clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse subangular to subrounded limestone. Cobbles and boulders are angular to subangular tabular fossiliferous limestone.		
D _ 1.30 	112.56 - - - - - - - - - - - - - - - - - - -	1.45	(WHITE LIMESTONE FORMATION) Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.45m		

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Slight collapse of sides

 Remarks:
 Terminated at 1.45m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

TRIAL PIT	LOG					T	P78
Project	Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	58-21
Client	Albion La	nd Ltd			Sheet		1 of 1
Date	24/05/202	21			Scale		1:25
Ground Level 120.71m AC		AOD	Coo	rdinates	E 454677.52 N 229253.72 Total Depth	2	.60m
Sample / Test Type (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES - 0.30 		120.46 120.31- - - - -	(0.25) 0.25 (0.15) 0.40	E	Soft dark brown slightly slity slightly gravelly CLAY with occasional cobbles and rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Soft to firm reddish brown slightly slity slightly gravelly CLAY with occasional cobbles and rare rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (SUBSOIL) Creamy orangish brown clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders (up to 450mm) are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		9. 10.9. 10.9. 10.9. 10.9. 10.91 1/10/07/2007/
- - - D - 1.50 - - -			(1.60)	M/H			ملاتهما بهمل بهمل بهمل بهمل به م
D - 2.20 B - 2.40			2.00 (0.60)	H -	Light creamy greyish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
			2.60		End of Trial Pit at 2.60m		

Method: Wheeled backhoe excavator.	Length:	2.50m
Groundwater: Groundwater encountered at 2.55m bgl. Stability: Stable	Width:	0.60m
Remarks: Terminated at 2.60m bgl due to competent strata. Trial pit backfilled with arisings on completion.	Logged:	КМ
	Checked	: AS

TRIAI	L PIT	LOG					T	P79
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	ind Ltd			Sheet		1 of 1
Date		25/05/202	21			Scale		1:25
Ground	Ground Level 120.03m AOD		AOD	Coo	rdinates	E 454681.88 N 229190.42 Total Depth	1	.95m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES D LB D B	- 0.10 - 0.60 - 0.90 - 1.10 - 1.50 - 1.80 			(0.30) 0.30 (0.10) 0.40 (1.10) 1.50 (0.45) 1.95		Soft dark brown slightly silly slightly gravelly CLAY with occasional cobbles and occasional to frequent rootels. Gravel is fine to coarse subangular to subrounded quartzite. Cobbles are subangular to subrounded limestone. CropsolLMADE GROUND) Soft to firm dedish brown slightly silly slightly gravelly CLAY with rare cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are subangular to subangular. Cobbles and boulders are angular to subangular tabular and fossiliferous. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.95m		

Method: Wheeled backhoe excavator.	Length:	2.30m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.95m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	КМ
	Checked:	AS

TRIA	L PIT	LOG					T	P80
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		04/06/202	21			Scale		1:25
Ground	Level	119.55m	AOD		rdinates	E 454674.76 N 229133.87 Total Depth	2	.05m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - - - - 0.60			(0.20) 0.20	E	Soft to firm dark brown slightly gravelly slightly silty CLAY with frequent rootlets and occasional cobbles. Gravel is fine to coarse angular to subrounded limestone. Cobbles are angular to subrounded limestone. (TOPSOIL) Dark reddish orangish brown slightly clayey GRAVEL with frequent cobbles and occasional boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular fossiliferous limestone.		
D	- 0.80 - - -		 	(0.95) 1.15	M/H	(WHITE LIMESTONE FORMATION)		
	-		-	(0.90)		Light creamy brownish white clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
B	- 1.90 - 1.90 - 1.90 		- - - - - - - - - - - - - - - - - - -	2.05		At 2.05m bgl: moderately strong LIMESTONE - unable to penetrate. End of Trial Pit at 2.05m		

	Length:	2.30m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 2.05m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS

TRIAL	PIT	LOG					Т	P81
Project		Land adja	cent to .	Junction	10, M40	, Ardley Project No .	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		17/05/202	21			Scale		1:25
Ground I	Level	119.50m A	AOD	Coo	rdinates	E 454680.12 N 229042.26 Total Depth	2	.00m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	0.15		 119.25	(0.25) 0.25	E	Soft dark brown slightly gravelly CLAY with occasional cobbles and rare rootlets. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are subangular limestone. (TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine		
D	- 0.50		_	(0.50)	M/H	to coarse subangular to subrounded limestone. Cobbles are subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
D -	- 0.80 		118.75	0.75 (0.45)	н	Creamy yellowish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular tabular limestone. Cobbles are subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
- - D -	- - - 1.50		118.30- - -	1.20		Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as tabular gravel, cobble and boulders. Gravel, cobbles and boulders are subangular to angular limestone. (WHITE LIMESTONE FORMATION)		
B	• 1.80		-	(0.80)	VH			
				2.00		End of Trial Pit at 2.00m		

Method: Wheeled backhoe excavator.	Length:	2.20m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 2.00m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS

TRIA	_ PIT	LOG					T	P82
Project		Land adja	icent to	Junction	10, M40	, Ardley Project No .	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		17/05/202	21			Scale		1:25
Ground	Level	_evel 119.10m AOD		Coo	rdinates	E 454679.24 N 228971.36 Total Depth	1	.00m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES D B				(0.25) 0.25 (0.15) 0.40 (0.35) 0.75 (0.25)	E E/M M	Soft dark brown slightly gravelly CLAY with rare rootlets near surface and rare to occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone and quartite. Cobbles are subangular to subrounded limestone. (TOPSOIL) Soft dark reddish brown slightly gravelly slightly silty CLAY with rare cobbles. Gravel is fine to coarse subangular to subrounded limestone and quartite. (SUBSOIL) Soft for firm orangish brown gravelly CLAY with frequent cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are subangular to coarse subangular to subrounded limestone. Cobbles are subangular timestone. (WHITE LIMESTONE FORMATION) Yellowish orange brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to subrounded tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.00m		

Method: Wheeled backhoe excavator.	Length: 2.00m
Groundwater: Groundwater not encountered. Stability: Stable	Width: 0.60m
Remarks: Terminated at 1.00m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

TRIAL	- PIT	LOG					Т	P83
Project		Land adja	icent to .	Junction	10, M40	, Ardley Project No.	AG326	8-21
Client		Albion La	nd Ltd			Sheet		l of 1
Date		17/05/202	21			Scale		1:25
Ground	Level	118.51m	AOD	Coo	rdinates	E 454680.06 N 228902.39 Total Depth	2	.20m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
Sample	Depth		Level	Strata Depth (thickness) (0.25) 0.25 (0.25) 0.50 (0.60) 1.10 (0.50)	Ease			

Groundwater: Groundwater not encountered. Stability: Stable Remarks: Terminated at 2.20m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion. Checked: AS	backhoe excavator.	
Remarks: Terminated at 2.20m bgl due to competent rock strength strata. Trial pit backfilled with arisings on Logged: KM		-
completion.	Width: 0.60m	
	ed at 2.20m bgl due to competent rock strength strata. Trial pit backfilled with arisings on Logged: KM	
	Checked: AS	

TRIA	L PIT	LOG					Т	P84
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		20/05/202	21			Scale		1:25
Ground	Level	117.43m	AOD	Coo	rdinates	E 454683.13 N 228830.69 Total Depth	0	.90m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES D	- 0.20 - 0.40 -		- - 117.13- - -	(0.30)	E M/H	Soft dark brown slightly slightly gravelly CLAY with occasional rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are subangular to subrounded limestone. (TOPSOIL) Orangish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
B D	- - 0.80 - 0.80 -		116.73- 116.53- 	0.70 (0.20) 0.90	∨н	Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. \(WHITE LIMESTONE FORMATION) End of Trial Pit at 0.90m		

Method: Wheeled backhoe excavator.	Length: 2.10m
Groundwater: Groundwater not encountered. Stability: Stable	Width: 0.60m
Remarks: Terminated at 0.90m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

TRIA	L PIT	LOG					T	P85
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		20/05/202	21			Scale		1:25
Ground	Level	115.99m /	AOD	Coo	rdinates	E 454678.71 N 228762.03 Total Depth	1	.70m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - -		115.74	(0.25) 0.25	E	Soft dark brown slightly slightly gravelly CLAY with occasional rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Orangish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse		
LB D	- 0.50 - 0.60 - -			(0.65)	E/M	angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	- - - 1.20		115.09- 	0.90 (0.60)	н	Light creamy brownish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		8
B D	- - 1.60 - 1.60 -		- 114.49- - 114.29- -	1.50 (0.20) 1.70		Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.70m		

Method: Wheeled backhoe excavator.	Length:	2.20m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.70m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
•	Checked	: AS

TRIA	_ PIT	LOG					TF	P86
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No .	AG326	8-21
Client		Albion La	nd Ltd			Sheet	1	l of 1
Date		21/05/202	21			Scale		1:25
Ground	Level	114.59m	AOD	Coo	rdinates	E 454678.89 N 228691.68 Total Depth	1	.40m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES D	- - 0.20 - - 0.40 -		- - 114.29- - -	(0.30)	E M/H	Soft dark brown slightly slity slightly gravelly CLAY with occasional rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Light orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
В	- - - 0.90 - -		- - 113.5 9 - -		н/ун	Moderately strong thinly bedded creamy yellowish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone.		
D	- 1.30 -		- 113.19-	1.40		(WHITE LIMESTONE FORMATION) End of Trial Pit at 1.40m		

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Seepage at 1.30m bgl.

 Stability:
 Stabile

 Remarks:
 Terminated at 1.40m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

TRIAL PIT	LOG			TP87
Project	Land adjacent to	Junction 10, M40), Ardley Project No .	AG3268-21
Client	Albion Land Ltd		Sheet	1 of 1
Date	19/05/2021		Scale	1:25
Ground Level	113.68m AOD	Coordinates	s E 454678.91 N 228623.63 Total Depth	2.20m
Sample /Test Type (m)	Result (mAoD)	Strata Depth (thickness) (m) of Dig	Description of Strata	Legend GW
ES - 0.20 		(0.30) E 0.30	Soft dark brown slightly slity slightly gravelly CLAY with occasional cobbles and occasional rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Soft reddish brown slightly slity slightly gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (SUBSOIL) Orangish yellowish brown slightly clayey slightly sandy GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular to	$\begin{array}{c} \begin{array}{c} & & & \\ & & & & \\ & & & \\ & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & \\ & & & & \\ & & & & \\ & & & & \\ & $
D - 1.10		1.60	(WHITE LIMESTONE FORMATION)	
D - 1.80	-	(0.60)	Moderately weak to moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse subangular to subrounded tabular limestone. Gravel noted to be slightly clayey. (WHITE LIMESTONE FORMATION)	
B - 2.10 D _ 2.10 -	111.48	2.20	End of Trial Pit at 2.20m	

	Checked:	: AS
Remarks: Terminated at 2.20m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Width: 0.60m Logged: KM Checked: AS	KM
Stability: Stable	Width:	0.60m
Method: Wheeled backhoe excavator. Groundwater: Seepage at 1.85m bgl	Length:	2.20m

TRIAL	- PIT	LOG					Т	P88
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		19/05/202	21			Scale		1:25
Ground	Level	112.19m	AOD	Coo	rdinates	E 454668.85 N 228552.27 Total Depth	1	.40m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- - - 0.40 - - - 0.70		- 111.94 - 111.59-	(0.25) 0.25 (0.35) 0.60	E	Soft dark brown slightly gravelly slightly silty CLAY with rare to occasional rootlets and rare to occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Soft dark reddish brown slightly silty slightly gravelly CLAY with rare to occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are subangular to subrounded limestone. (SUBSOIL)		
В	- - - -		 111.04	(0.55) 1.15 (0.25)	M VH	Orangish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse		
B	- 1.30 - 1.30 -			1.40		Inite to subrounded tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.40m		

Groundwater: Seepage at 1.10m bgl Stability: Unstable 0.6m to 1.15m bgl Remarks: Terminated at 1.40m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	2.30m
Remarks: Terminated at 1.40m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	
completion.	0.60m
Check	KM
Check	d: AS

TRIA	L PIT	LOG					TP	38A
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		02/06/202	21			Scale		1:25
Ground	Level	112.19m	AOD	Coo	rdinates	E 454668.85 N 228552.27 Total Depth	1.45m	
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
				(0.25) 0.25 (0.15) 0.40 (0.40) 0.80 (0.65) 1.45	E E/M H	Soft dark brown slightly silty slightly gravelly CLAY with occasional robbles. Gravel is fine to coarse angular to subrounded limestone. (TOPSOIL) Soft to firm reddish brown slightly silty slightly gravelly CLAY. Gravel is fine to coarse angular to subrounded limestone. Cobbles are angular to subrounded limestone. (SUBSOIL) Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Yellowish brown slightly clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse angular to subangular limestone. (WHITE LIMESTONE FORMATION) At 1.45m bgt: moderately strong LIMESTONE - unable to penetrate. (WHITE LIMESTONE FORMATION) At 1.45m bgt: moderately strong LIMESTONE - unable to penetrate. End of Trial Pit at 1.45m		

	Length:	2.15m
Groundwater: Groundwater at 1.40m bgl.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.45m bgl due to competent rock strength strata. Trial pit used for soakaway testing prior to being backfilled with arisings on completion of test, see separate sheets for soakaway results.	Logged:	КМ
	Checked	: AS

TRIAL PIT	LOG			Т	P89
Project	Land adjacent to	Junction 10, M4	0, Ardley Project No.	AG326	68-21
Client	Albion Land Ltd		Sheet		l of 1
Date	21/05/2021		Scale		1:25
Ground Level	111.69m AOD	Coordinate	es E 454693.07 N 228505.24 Total Depth	1	.30m
Sample / Test Type (m)	Result Level (mAoD)	Strata Depth (thickness) (m) Ease of Dig	Description of Strata	Legend	GW
ES - 0.10 - D - 0.40 -	- - 111.39 - -	(0.30) E 0.30 (0.40) M	Soft dark brown slightly silty slightly gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Dark orangish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
LB – 0.80 –	110.99 - - 110.6 9	(0.30) M/H	Light yellowish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) Moderately strong creamy yellowish white fossiliferous LIMESTONE recovered		
B - 1.20 - - -	- - 110.39 - -	(0.30) 1.30 H/VH	as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone		

Method: Wheeled backhoe excavator.	Length:	2.30m
Groundwater: Groundwater at 0.90m bgl.		
Stability: Stable	Width:	0.60m
Remarks: Terminated due to high groundwater level preventing view of base of excavation. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS

TRIAL	ΡΙΤ Ι	LOG					Т	P90
Project		Land adja	icent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		04/06/202	21			Scale		1:25
Ground Le	evel	118.14m/	AOD	Coordinates E 454748.92 N		E 454748.92 N 228902.22 Total Depth	1	.00m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
Sample /Test Type ES - - D - - D - - - B -	Depth		Level	Strata Depth (thickness) (0.20) 0.20 (0.20) 0.40 (0.35) 0.75 (0.25)	Ease			

Method: Wheeled backhoe excavator.	Length:	2.30m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.00m bgl due to broken hydraulic hose on excavator meaning could not progress.	Logged:	КМ
	Checked	: AS

TRIA	_ PIT	LOG					т	P91
Project		Land adja	icent to .	Junction	10, M40	, Ardley Project No.	AG326	8-21
Client		Albion La	nd Ltd			Sheet	1	l of 1
Date		17/05/202	21			Scale		1:25
Ground	Level	117.58m/	AOD		rdinates	E 454748.97 N 228831.69 Total Depth	2	.20m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - - - - 0.60		- 117.38 - - -	(0.20)	E	Soft dark brown slightly gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are subangular limestone. (TOPSOIL) Orangish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are subangular limestone. (WHITE LIMESTONE FORMATION)		
	-		 116.73 	0.85 (0.55)	M/H	Light yellowish brown slightly sandy slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular tabular limestone. Cobbles are subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
D	- 1.30 - - -		- 116.18 - -	1.40	-	Moderately strong thinly bedded fossiliferous creamy whiteish brown LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse subangular to angular tabular limestone. (WHITE LIMESTONE FORMATION)		
В	- 1.80 -		-	(0.80)	νн			
D	- 2.00		-					
			115.38- -	2.20		End of Trial Pit at 2.20m		

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Stable

 Remarks:
 Terminated at 2.20m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

TRIA	L PIT	LOG					T	P92
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		20/05/202	21			Scale		1:25
Ground	Level	117.14m	AOD	Coordinates		E 454748.54 N 228774.06 Total Depth	2	.15m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- - - 0.30 -		-	(0.60)	E	Soft dark brown slightly gravelly slightly silty CLAY with occasional cobbles and rare pieces of black plastic. Gravel is fine to coarse subangular to subrounded quartzite, limestone and rare asphalt. Cobbles are subangular to subrounded limestone, quartzite and rare asphalt. (MADE GROUND) At 0.20m bgl: 1no. boulder of asphalt (maximum 0.20m x 0.20m x 0.25m)		
D	- - - 0.80 -		116.54 - - -	0.60	м	Orangish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		ते.° वे .º वे .º वे
D	- - - 1.30 -		-	(1.15)	M/H	Below 1.15m bgl: Light creamy brownish white and slightly clayey.		, <u>o</u> o, <u>oo</u> , <u>oo</u>
B	- 1.90 - 1.90 - 1.90 			1.75 (0.40) 2.15	V/H	Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 2.15m		

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Stable

 Remarks:
 Terminated at 2.15m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

TRIA	_ PIT	LOG					TI	- 93
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	8-21
Client		Albion La	nd Ltd			Sheet	1	l of 1
Date		17/05/202	21			Scale		1:25
Ground	Level	115.88m /	AOD	Coo	rdinates	E 454748.80 N 228691.95 Total Depth	1	.80m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- - 0.20			(0.30)	E	Soft dark brown slightly gravelly CLAY with rare rootlets. Gravel is fine to coarse subangular to subrounded limestone and quartzite. (TOPSOIL) Yellowish orangish brown clayey GRAVEL with occasional to frequent cobbles.		
D	- - 0.60			(0.50)	E/M	Gravel is fine to coarse subangular to subrounded limestone. Cobbles are subangular limestone. (WHITE LIMESTONE FORMATION)		
D	_ _ 1.00		115.08- 		-	Light creamy brown slightly clayey slightly sandy GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to angular tabular limestone. Cobbles are angular to subangular limestone.		
	_		- - - 114.48-	(0.60)	M/H	(WHITE LIMESTONE FORMATION)		
в	_ - - 1.70		-	(0.40)	VH	Moderately strong creamy brownish grey fossiliferous LIMESTONE recovered as tabular gravel, cobbles and boulders of subangular to angular tabular limestone. (WHITE LIMESTONE FORMATION)		
D	_ 1.70 _		114.0 8 _	1.80	-	End of Trial Pit at 1.80m		
	-		-					
	_		-					
	_		-					
	- - 							
	_		-					
	-		_					
	-							
	- 							
	-							
	_							
	_		-					

Method: Wheeled backhoe excavator.	Length:	2.20m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.80m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS
	-	

TRIAL	_ PIT	LOG					T	P94
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No .	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		21/05/202	21			Scale		1:25
Ground	Level	114.88m	AOD	Coordinates		E 454736.43 N 228621.75 Total Depth	2	.00m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - - - 0.40		_ 114.68- _	(0.20) 0.20	E	Soft dark brown slightly slightly gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone and rare asphalt. Cobbles are subangular to subrounded limestone and rare asphalt. (TOPSOIL/MADE GROUND)		
LB	- 0.70		 114.23_	(0.45) 0.65	м	Dark orangish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Creamy orangish brown clayey slightly sandy GRAVEL with frequent cobbles		4 • • •
	- - - -		-	(0.75)	M/H	and occasional boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
D	_ — 1.50 _		113.48- 	1.40		Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		• - - -
В	- - 1.80 -		- - 112.8 8 -	(0.60)	VH			-
						End of Trial Pit at 2.00m		

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Stable

 Remarks:
 Terminated at 2.00m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

TRIAL	- PIT	LOG					Т	P95
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		21/05/202	21			Scale		1:25
Ground	Level	113.68m	AOD	Coo	rdinates	E 454731.75 N 228551.63 Total Depth	1	.50m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - - - - 0.50 -		113.43 	(0.25) 0.25 (0.40) 0.65	E E/M	Soft dark brown slightly slightly gravelly CLAY with occasional cobbles and occasional rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Dark brownish orange clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Creamy yellowish brown slightly clayey GRAVEL with frequent cobbles. Gravel		
D	- - - 1.10		-	(0.65)	н	is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
D	- 1.10 - 1.30 - 1.40 - 1.40 			1.30 (0.20) 1.50	VH	Moderately strong thinly bedded creamy brownish white fossiliferous LINESTONE recovered as gravel, cobbles and boulders of fine to coarse augurt to subanguar tabular linestone. WHITE LINESTONE FORMATUR End of Trial Pit at 1.50m		
	_							

Method: Wheeled backhoe excavator.	Length:	2.20m
Groundwater: Groundwater not encountered. Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.50m bgl due to high groundwater level preventing view of the base of the trial pit. Trial pit backfilled with arisings on completion.	Logged:	KM
5 1		AS

TRIAL PIT	LOG					TI	P96
Project	Land adja	icent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client	Albion La	nd Ltd			Sheet		1 of 1
Date	28/05/202	21			Scale		1:25
Ground Level	116.41m	AOD	Coo	rdinates	E 454859.84 N 228738.94 Total Depth	1	.20m
Sample / Test Type (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES - 0.10 - -		116.16	(0.25) 0.25 (0.30)	E E/M	Soft to firm dark brown slightly slity slightly gravelly CLAY with occasional cobbles and frequent rootlets. Gravel is fine to coarse angular to subrounded limestone and quartzite. Cobbles are angular to subrounded limestone. (TOPSOIL) Soft to firm reddish brown slightly slity slightly gravelly CLAY with occasional cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are		
D - 0.60 		115.86 - - - -	0.55	М	angular to subangular limestone. (SUBSOIL) Orangish yellowish brown clayey GRAVEL with frequent cobbles, rare boulders and rare to occasional shells and shell fragments. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
B - 1.10			1.18 (0.02) 1.20	VH	Moderately strong LIMESTONE - unable to penetrate. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.20m		

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Stable

 Remarks:
 Terminated at 1.20m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

TRIA	L PIT	LOG					Т	P97
Project		Land adja	icent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		28/05/202	21			Scale		1:25
Ground	Level	115.99m /	٩OD	Coo	rdinates	E 454847.90 N 228683.56 Total Depth	1	.10m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
Sample	Depth		Level	Strata Depth (thickness) (m) (0.30) (0.30) (0.15) 0.45 (0.63) 1.08	Ease			
			- - - - - - - - - - - - - - - - - - -					

Method: Wheeled backhoe excavator.	Length:	2.40m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.10m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS

Date 28/05/2021 Scale 1 Ground Level 115.15m AOD Coordinates E 454829.94 N 228617.16 Total Depth 1.66 Sample Deeth Level Strata East 1	TRIAI	L PIT	LOG					ТІ	> 98
Date 28/05/201 Scale 1 Cround Level 115.15m AOD Coordinates E 454829.94 N 228617.10 Total Depth 1.61 Sample Type Depth (m) Result Level (mAoD) Some (memory) Ease of Dig Description of Strata Legend (C) Legend (C) ES 0.10 114.90 0.25 E Soft dark brown slightly gravelly slightly slightly slightly cLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse angular to guartzite and limestone. (TOPSOIL) M Mesuart (TOPSOIL) E Soft dark brown slightly gravely gRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. (TOPSOIL) E Memory (TOPSOIL) E Memory (TOPSOIL) D 0.60 114.25 0.90 Itight creamy greyish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. (WHITE LIMESTONE FORMATION) Light creamy greyish brown clayey to very clayey GRAVEL with frequent cobbles and boulders are angular to subangular tabular insestone. (WHITE LIMESTONE FORMATION) Memory is a subangular to subang	Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	8-21
Ground Level 115.15m AOD Coordinates E 454829.94 N 228617.16 Total Depth Total Depth Level Level Some between of the particular to the partine particular to the partine particular to th	Client		Albion La	nd Ltd			Sheet	1	of 1
Sample (Test Type Depth (m) Result Level (mAoD) Soft (mode) (m) Ease of Dig (m) Description of Strata Legend C ES 0.10 - (0.25) E Soft dark brown slightly gravelly slightly slightly slightly cLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse angular to subrounded quartzite and limestone. (TOPSOIL) - <th>Date</th> <th></th> <th>28/05/202</th> <th>21</th> <th></th> <th></th> <th>Scale</th> <th></th> <th>1:25</th>	Date		28/05/202	21			Scale		1:25
/Test Type Deprint (m) Result Leven (mAoD) Description of Strata Legend C ES 0.10 (mAoD) (0.25) E Soft dark brown slightly gravelly slightly slity CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse angular to subrounded quartzite and limestone. Cobbles are angular to subrounded quartzite and limestone. Cobbles are angular to subrounded quartzite and limestone. Cobbles are angular to subangular limestone. Image: Comparison of Strata D 0.60 (0.65) M M D 0.90 114.25 0.90 Image: Comparison of Strata D 0.90 114.25 0.90 Image: Comparison of Strata B 1.55 113.60 1.55 (0.65) M/H B 1.55 113.60 1.55 (0.65) M/H IMMESTONE FORMATION Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE FORMATION) Image: Comparison of Strata Image: Comparison of Strata B 1.55 113.60 1.55 Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE FORMATION) Image: Comparison of Strata Moderately strong thinly bedded creamy brownish ubile fossiliferous LIMESTONE FORMATION) Image: Comparison of Strata <t< th=""><th>Ground</th><th>Level</th><th>115.15m</th><th>AOD</th><th>Coo</th><th>rdinates</th><th>E 454829.94 N 228617.16 Total Depth</th><th>1</th><th>.60m</th></t<>	Ground	Level	115.15m	AOD	Coo	rdinates	E 454829.94 N 228617.16 Total Depth	1	.60m
ES 0.10 0.25 rootlets and occasional cobbles. Gravel is fine to coarse angular to subrounded quartzite and limestone. Cobbles are angular to subrounded quartzite and limestone. (TOPSOIL) D 0.60 (0.65) M D 0.60 (0.65) M D 0.90 114.25 0.90 114.90 (0.65) M Light creamy greyish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. Cobbles and pounders. Gravel is fine to coarse angular to subangular to subangular to subangular limestone. Cobbles and boulders. Gravel is fine to coarse angular to subangular to suban	/ Test		Result		Depth (thickness)		Description of Strata	Legend	GW
D 0.60 - (0.65) M coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) D 0.90 114.25 0.90 Light creamy greyish brown clayey to very clayey GRAVEL with frequent cobbles and rare to occasional boulders. Gravel is fine to coarse angular to subangular loss subangular limestone. (WHITE LIMESTONE FORMATION) B 1.55 113.60 1.55 D 1.55 113.55 (0.05) I 1.60 H/VH H/VH H/VH Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE FORMATION)		- 0.10 - -		114.90	(0.25)	E	rootlets and occasional cobbles. Gravel is fine to coarse angular to subrounded quartzite and limestone. Cobbles are angular to subrounded quartzite and limestone. (TOPSOIL)		
B 1.55 113.60 1.55 113.55 (0.05) 1.60 H/VH H/VH H/VH H/VH LIMESTONE FORMATION)	D	 0.60		-	(0.65)	м	coarse angular to subangular limestone. Cobbles are angular to subangular limestone.		
B 1.55 113.60 1.55 (0.05) 1.60 H/VH (WHITE LIMESTONE FORMATION)	D	- 0.90		114.25-		-	cobbles and rare to occasional boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular		
D 1.55 (0.05) 1.60 H/VH H/VH H/VH View are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)	в				. ,	M/H	(WHITE LIMESTONE FORMATION)		
	D				(0.05)	H/VH	LIMESTONE recovered as gravel, cobbles and boulders. Gravel , cobbles and boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
		 		-					
		-		-					
		_		-					
		-		-					
				-					
		-							
		-							
				_					

Method: Wheeled backhoe excavator.	Length:	2.30m
Groundwater: Groundwater not encountered.	- J	
Stability: Stable.	Width:	0.60m
Remarks: Terminated at 1.60m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS
	-	

TRIA	_ PIT	LOG					T	P99
Project		Land adja	icent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		28/05/202	21			Scale		1:25
Ground	Level	114.12m	AOD		rdinates	s E 454823.02 N 228549.44 Total Depth	2	.00m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - - 0.40 		- 113.92- - - - -	(0.20) 0.20 (0.55)	E M	Soft to firm dark brown slightly gravelly slightly slity CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse angular to subrounded limestone and quartzite. Cobbles are angular to subrounded limestone and quartzite. (TOPSOIL) Dark orangish brown clayey GRAVEL with frequent cobbles and occasional boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)		
D B	- 0.90 - 1.00 		113.37 	0.75		Moderately strong creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse, angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
D B	- 1.60 - - 1.80		112.52- - -	1.60 (0.40)		Light grey creamy brown slightly clayey GRAVEL with frequent cobbles. Grave is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
			112.1 2	2.00	Н	At 2.00m bgl: band of moderately strong limestone - unable to penetrate. End of Trial Pit at 2.00m		

Method: Wheeled backhoe excavator.	Length:	2.40m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 2.00m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS
	L	

TRIAL	_ PIT	LOG					TP	100
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		28/05/202	21			Scale		1:25
Ground	Level	112.66m	AOD	Coo	rdinates	E 454821.73 N 228476.62 Total Depth	1	.80m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - -		112.41	(0.25) 0.25	E	Soft to firm dark brown slightly gravelly slightly silty CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse angular to subrounded quartzite and limestone. Cobbles are angular to subrounded limestone and quartzite. (TOPSOIL)		•. Is ell////////
D	— 0.50 - -		-	(0.55)	м	Orangish brown slightly clayey to clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)	بِنَّ، ⁰ بِنَّ، ⁰ بَ ⁶ ¹ ⁰ ، ⁰ بَ ⁶ ¹ ⁰ ، ⁰ بَ ⁶ ¹ ⁰ ، ⁰ بَ ¹ ⁰ , ⁰ بَ ⁶ ¹ ⁰ , ⁰ بَ	ما . هما . م
D	- - 0.90 -		111.86- - - -	0.80 (0.60)	M/H	Light creamy brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION) Below 1.10m bgl: occasional boulders of angular to subangular tabular fossiliferous limestone.		ه ما ه ما م ما
D B	- - - 1.50 - 1.60		_ 111.26- _ _	1.40 (0.40)	Н/УН	Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders. Cobbles and boulders are angular to subangular, tabular limestone. (WHITE LIMESTONE FORMATION)		° ° • •
	-		- 110.86- -	1.80		End of Trial Pit at 1.80m		
	_		-					
	_		-					
	_		-					
	 		-					
	-		-					
	_		_					
	_ 							
	- -							
	 -							
	- - 		-					

Method: Wheeled backhoe excavator.	Length:	2.20m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.80m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked:	: AS

Client Albion Land Ltd Sh Date 28/05/2021 Sc Ground Level 110.61m AOD Coordinates E 454836.18 N 228406.54 Tor Sample / Test Type Depth (mAoD) Result Level (mAoD) Strata Depth (mickness) Ease of Dig Description of Strata	al Depth a AY with occasional cobbles and	1	of 1 1:25
Date 28/05/2021 Sc Ground Level 110.61m AOD Coordinates E 454836.18 N 228406.54 To Sample / Test Type Depth (m) Result Level (mAoD) Strata Depth (thickness) Ease of Dig Description of Strata	ale cal Depth ca AY with occasional cobbles and	1	1:25
Ground Level 110.61m AOD Coordinates E 454836.18 N 228406.54 Tor Sample / Test Type Depth (m) Result Level (mAoD) Ease (m) Description of Strate of Dig Description of Strate	al Depth a AY with occasional cobbles and		
Sample / Test Type Depth (m) Result Level (mAoD) Strata Depth (thickness) (m) Ease of Dig Description of Stra	a AY with occasional cobbles and		
/ Test Type (m) Result Level (mAoD) Depth (thickness) of Dig Description of Stra	AY with occasional cobbles and		.90m
Soft to firm dark brown gravelly slightly silty CL		Legend	GW
ES 0.10 (0.25) Interstore Cobles are angular to submarked interstore Cobles are angular to submarked interstore. Cobles are angular to submarked interstore. Cobles are angular to submarked interstore. LB 0.50 (0.35) EM E Interstore Cobles are angular to submarked interstore. D 0.70 110.01 0.60 Dark conspile horwn slightly clayey GRAVEL within to submarked interstore. D 0.70 100.11 0.60 WHTE LIMESTONE FORMATION) D 1.50 109.11 1.50 B 1.80 108.71 1.90 MH Interstore Cobles are angular to submarked interstore. WHTE LIMESTONE FORMATION) At 1.90m bgt: moderately strong UMESTONE - unable. End of Thial Pit at 1.9 At 1.90m bgt: moderately strong UMESTONE - unable. End of Thial Pit at 1.9	imestone and quartzite. ith frequent cobbles of angular e angular to subangular h frequent cobbles. Gravel is Cobbles are angular to gravelly CLAY with frequent angular limestone. Cobbles are stone.	Legend	

Method: Wheeled backhoe excavator.	Length:	2.20m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.90m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS

TRIAL	_ PIT	LOG					TP	102	
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG3268-21		
Client		Albion La	nd Ltd			Sheet		1 of 1	
Date		27/05/2021				Scale		1:25	
Ground Level		116.62m AOD		Coordinates		E 454898.88 N 228969.38 Total Depth	1	.15m	
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW	
ES	- 0.10 - -		116.37	(0.25) 0.25	E	Soft to firm dark brown slightly silty slightly gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are angular to subrounded limestone and quartzite. (TOPSOIL) Firm orangish brown gravelly CLAY with frequent cobbles. Gravel is fine to			
D	0.50 		-	(0.65)	M/H	coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		* 	
B	- 0.80 - - 1.00		115.72-	0.90	_	Moderately strong thinly bedded LIMESTONE recovered as orangish brown clayey gravel and cobbles. Gravel and cobbles are fine to coarse angular to		•	
	_		115.47	(0.25) 1.15	M/H	(WHITE LIMESTONE FORMATION) End of Trial Pit at 1.15m	-/	-	
	-								
	-		- - - - - - - - - - - - - - -						
	-								

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Stable

 Remarks:
 Terminated at 1.15m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

TRIA	L PIT	LOG					ТР	103
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG3268-21	
Client		Albion La	nd Ltd			Sheet	1 of 1	
Date		27/05/202	21			Scale	1:	
Ground Level		116.65m AOD		Coordinates		E 454882.72 N 228900.63 Total Depth	1.30m	
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - -		116.40	(0.25) 0.25	E	Soft dark brown slightly gravelly slightly silty CLAY with occasional cobbles and occasional to frequent rootlets. Gravel is fine to coarse angular to subrounded quartzite and limestone. Cobbles are angular to subrounded quartzite and limestone. (TOPSOIL) Orangish brown slightly clayey to clayey GRAVEL with frequent cobbles and		
D	- 0.50 - - - - 0.90		-	(0.85)	М	rare boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
D B	 - 1.10 - 1.20 -		 115.55- 115.35- 	1.10 (0.20) 1.30	н∕∨н	Moderately strong thinly bedded light brownish orangish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders. Gravel, cobbles and boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.30m		

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Stable

 Remarks:
 Terminated at 1.30m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

TRIAL PIT	LOG			TP104
Project	Land adjacent to J	Junction 10, M40), Ardley Project No .	AG3268-21
Client	Albion Land Ltd		Sheet	1 of 1
Date	27/05/2021 Scale			
Ground Level	116.56m AOD	Coordinates	s E 454895.01 N 228836.70 Total Depth	1.80m
Sample / Test Type (m)	Result Level (mAoD)	Strata Depth (thickness) (m) Ease of Dig	Description of Strata	Legend GW
ES - 0.10 - D - 0.40 - -	 116.26- 	(0.30) E 0.30	Soft dark brown slightly gravelly CLAY with occasional cobbles and occasional to frequent rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone and quartzite. (TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles and rare to occasional boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular limestone. (WHITE LIMESTONE FORMATION)	
B - 0.90 		(1.30) M		
D 1.60 B 1.70 B 1.70 -		(0.18) 1.78 VH	Between 1.50m and 1.60m bgl: band of linestone. Firm to stiff grey mottled orange gravelly CLAY with occasional to frequent cobbles, frequent shell fragments and rare fragments of decomposing wood/ organic material. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHTE LIMESTONE FORMATION) Moderately strong LIMESTONE - unable to penetrate. (WHTE LIMESTONE FORMATION) End of Trial Pit at 1.80m	

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Stable

 Remarks:
 Terminated at 1.80m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

						••	105
	Land adja	acent to J	lunction	10, M40	, Ardley Project No.	AG326	68-21
	Albion La	nd Ltd			Sheet		1 of 1
	02/06/202	21			Scale		1:25
.evel	116.42m	AOD		rdinates	E 454884.49 N 228759.18 Total Depth	1	.45m
Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
0.10		- 116.22- - - - 115.77	(0.20) 0.20 (0.45) 0.65	E M	Dark brown slightly silty slightly gravelly CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse angular to subrounded limestone and quartzite. Cobbles are angular to subrounded quartzite. (TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone.		
- 1.00		-	(0.78)	М/Н	(WHITE LIMESTONE FORMATION) Light orangish brown slightly clayey to clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)		
			1.43 (0.02) 1.45	VH	Moderately strong LIMESTONE - unable to penetrate. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.45m		
	Depth (m) 0.10 0.50	02/06/202 evel 116.42m Depth (m) Result 0.10 0.50 1.00 1.30	Depth (m) Result Level (mAoD) 0.10 - 116.22- - 0.50 - 115.77 - 115.77 - 1100 - 1.30 114.99	02/06/2021 evel 116.42m AOD Coo Depth (m) Result Level (mAoD) Strata Depth (thickness) 0.10 - (0.20) 116.22 0.20 - 0.50 - - 1.00 - (0.45) 1.30 - - 1.30 - - 114.99 1.43 114.97 (0.02)	02/06/2021 evel 116.42m AOD Coordinates Depth (m) Result Level (mAOD) Strata Depth (middress) Ease of Dig 0.10 - (0.20) E 0.50 - (0.45) M 115.77 0.65 - 1.00 - (0.78) M/H 1.30 - - (0.02) VH	02/06/2021 Scale evel 116.42m AOD Coordinates E 454884.49 N 228759.18 Total Depth Depth (m) Result Level (mAoD) Strate Other (mAoD) Ease of Dig Description of Strate 0.10 116.22 0.20 E Dark brown slightly slity slightly gravelly CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse angular to subrounded limestone and quartzite. Cobbles are angular to subrounded quartzite. (TOPSOIL) 0.50 116.77 0.65 M 1.00 115.77 0.65 (WHITE LIMESTONE FORMATION) Light orangish brown slightly clayey to clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. (WHITE LIMESTONE FORMATION) 1.30 114.99 1.43 VH 1.30 114.97 0.45 VH Moderately strong LIMESTONE FORMATION) (WHITE LIMESTONE FORMATION)	outload Outload Coordinates E 454884.49 N 228759.18 Total Depth 1 Depth (m) Result Level (mAoD) Strate Origin (mAoD) Description of Strata Legend 0.10 116.22 0.20 E Dark brown slightly silty slightly gravelly CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse angular to subrounded limestone and quartzite. Cobbles are angular to subrounded quartzite. (TOPSOIL) M 0.50 115.77 0.65 M (MHTTE LIMESTONE FORMATION) Image: Coarse angular to subangular limestone. (WHITE LIMESTONE FORMATION) Image: Coarse angular to subangular limestone. (WHITE LIMESTONE FORMATION) Image: Coarse angular to subangular limestone. (WHITE LIMESTONE FORMATION) 1.30 114.97 (0.43) (0.02) VH Moderately strong LIMESTONE - unable to penetrate. (WHITE LIMESTONE FORMATION) Image: Coarse angular to subangular limestone. (WHITE LIMESTONE FORMATION)

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Stable

 Remarks:
 Terminated at 1.45m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

TRIAL	L PIT	LOG					TP106
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG3268-21
Client		Albion La	nd Ltd			Sheet	1 of 1
Date		02/06/202	21			Scale	1:25
Ground	Level	115.80m	AOD		rdinates	E 454894.09 N 228690.89 Total Depth	1.50m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend GW
ES D	- 0.10 - - - 0.40		- 115.60- - -	(0.20) 0.20 (0.40)	E	Soft to firm dark brown slightly silty slightly gravelly CLAY with occasion cobbles and occasional to frequent rootlets. Gravel is fine to coarse and subrounded quartzite and limestone. Cobbles are angular to subrounded limestone. (TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is to coarse angular to subangular limestone. Cobbles are angular to suba	s fine
D	- - 0.80 - - -		115.20- - - - - -	0.60	н	limestone. (WHITE LIMESTONE FORMATION) Light orangish brown slightly clayey GRAVEL with frequent cobbles and boulders. Gravel is fine to coarse angular to subangular limestone. Cob and boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)	
BD	- 1.40 - 1.40 			1.40 (0.10) 1.50	VH	Moderately strong thinly bedded light brownish white LIMESTONE reco as gravel, cobbles and boulders. Gravel, cobbles and boulders are ang subangular tabular and fossiliferous. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.50m	vered ular to

Method: Wheeled backhoe excavator.	Length:	2.30m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.50m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS

TRIA	_ PIT	LOG					ТР	107
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No .	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		02/06/202	21			Scale		1:25
Ground	Level	115.04m	AOD		rdinates	E 454884.42 N 228623.26 Total Depth	2	.20m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES D	- 0.10 - - 0.40		114.79 114.49	(0.25) 0.25 (0.30) 0.55	E	Soft to firm dark brown slightly gravelly slightly silty CLAY with occasional cobbles and occasional to frequent rootlets. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are subangular to subrounded limestone and quartzite. (TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone.		
D	- - 0.80 - -					(WHITE LIMESTONE FORMATION) Light creamy brownish white slightly clayey to clayey GRAVEL with frequent rootlets and rare to occasional boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)		0 0
B D	- - - - 1.60 _ 1.60			(1.35)	M/H			- 0 -
D B	- 1.90 - 2.10 -		- 113.14- 112.84- -	(0.30)	н/vн	Moderately strong thinly bedded light creamy brownish white LIMESTONE recovered as gravel, cobbles and boulders. Gravel, cobbles and boulders are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 2.20m		- - - - -

Method: Wheeled backhoe excavator.	Length:	2.40m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 2.20m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	КМ
·	Checked	: AS

TRIA	L PIT	LOG					TP	108
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		03/06/202	21			Scale		1:25
Ground	Level	114.27m	AOD	Coo	rdinates	E 454894.47 N 228551.26 Total Depth	2	.40m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES D	- 0.10 - - 0.40 -			(0.20) 0.20 (0.30) 0.50	E M	Soft dark brown slightly slightly gravelly CLAY with frequent to occasional rootlets and occasional cobbles. Gravel is fine to coarse angular to subrounded quartzite and limestone. Cobbles are angular to subrounded limestone and quartzite. (TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone.		
LB	- - - 0.90 - -			(1.25)	н	(WHITE LIMESTONE FORMATION) Light orangish brown slightly clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)		
D	- - - - 1.70		- - - 112.52	1.75		Moderately strong thinly bedded light creamy brownish white LIMESTONE recovered as gravel, cobbles and boulders. Gravel, cobbles and boulders are		
D B	- - 2.10 - - 2.30			(0.65)	н/∨н	angular and subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)		
				2.40		End of Trial Pit at 2.40m		

Groundwater: Groundwater not encountered. Stability: Lower strata collapse causing undercut. Remarks: Terminated at 2.40m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	2.40m
Remarks: Terminated at 2.40m bgl due to competent rock strength strata. Trial pit backfilled with arisings on Logged:	
	0.60m
	KM
Checked	AS

TRIAL PIT	LOG			TP	109
Project	Land adjacent to	Junction 10, M4	D, Ardley Project No.	AG326	8-21
Client	Albion Land Ltd		Sheet		l of 1
Date	28/05/2021		Scale		1:25
Ground Level	112.72m AOD	Coordinate	s E 454883.41 N 228483.59 Total Depth	1	.90m
Sample / Test Type (m)	Result Level (mAoD)	Strata Depth (thickness) (m) Ease of Dig	Description of Strata	Legend	GW
ES - 0.20	112.42	(0.30) E	Soft dark brown slightly gravelly slightly silty CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse angular to subrounded quartzite and limestone. Cobbles are angular to subrounded quartzite and limestone.		
D - 0.60 -		(0.45) E/M 0.75	Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Light creamy orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular		
D — 1.00 - - -		(0.95)	to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)		
– – D – 1.60	- - - 111.02	1.70	Below 1.40m bgl: occasional boulders of tabular fossiliferous limestone. Moderately strong thinly bedded creamy light brownish white fossiliferous		
B – 1.80 – – – – –	- 110.82 - - - - - - - - - - - - - - - - - - -	(0.20) 1.90 VH	LIMESTONE recovered as gravel, cobbles and boulders. Gravel, cobbles and boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.90m		-

Method: Wheeled backhoe excavator.	Length:	2.30m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.90m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	КМ
	Checked	: AS
	•	

TRIA	L PIT	LOG					TP	110
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	8-21
Client		Albion La	nd Ltd			Sheet	í	of 1
Date		28/05/202	21			Scale		1:25
Ground	Level	110.63m	AOD		rdinates	E 454884.63 N 228413.22 Total Depth	1	.80m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - -		110.38	(0.25) 0.25	E	Soft to firm dark brown slightly slith slightly gravelly CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse angular to subrounded quartzite and limestone. Cobbles are angular to subrounded quartzite and limestone. (TOPSOIL)		
D	 - 0.60 -		-	(0.65)	E/M	Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone (WHITE LIMESTONE FORMATION)		
D	- 1.00 		109.73- 	0.90 (0.50)	M	Light creamy orangish brown slightly clayey GRAVEL with frequent cobbles and occasional boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
DB	- - 1.50 - - 1.70		- 109.23- - -	1.40 (0.38)	_	Light grey mottled orange very clayey GRAVEL with frequent cobbles and occasional boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular fossiliferous limestone.		
	-		108.85 108.83 		VH	(WHITE LIMESTONE FORMATION) Moderately strong LIMESTONE - unable to penetrate. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.80m		
	-							
	_		-					
	-		-					
	_							
	-							
	-							
	- - -							
			_					

Method: Wheeled backhoe excavator.	Length: 2.30m
Groundwater: Groundwater not encountered.	
Stability: Stable	Width: 0.60m
Remarks: Terminated at 1.80m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

TRIAL	_ PIT	LOG					ТР	111
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	8-21
Client		Albion La	ind Ltd			Sheet	1	l of 1
Date		28/05/202	21			Scale		1:25
Ground	Level	109.46m	AOD	Coo	rdinates	E 454892.70 N 228370.96 Total Depth	1	.65m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- - 0.20 -		- - 109.16	(0.30) 0.30	E	Soft dark brown slightly gravelly slightly silty CLAY with frequent to occasional rootlets and occasional cobbles. Gravel is fine to coarse angular to subrounded quartzite and limestone. Cobbles are angular to subrounded quartzite and limestone.		
D	- 0.50 -		108.81	(0.35) 0.65	м	Dark orangish brown slightly clayey to clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	- 0.80 - - - - -			(0.85)	M-H	Light orangish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
B D	- 1.50 - 1.50 - -		107.9 6 107.81	1.50 (0.15) 1.65	VH	Moderately strong thinly bedded creamy yellowish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders. Gravel, cobbles and boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.65m		

Method: Wheeled backhoe excavator. Groundwater: Seepage at 1.40m bgl.	Length: 2.30m
Stability: Stable.	Width: 0.60m
Remarks: Terminated at 1.65m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

TRIAL PI	T LOG					ТР	112
Project	Land a	djacent to	Junction	10, M40	, Ardley Project No .	AG326	68-21
Client	Albion	Land Ltd			Sheet		1 of 1
Date	27/05/2	2021			Scale		1:25
Ground Leve	I 116.10	m AOD		rdinates	E 454939.74 N 229049.34 Total Depth	1	.45m
Sample / Test Type (n		t Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES - 0.2 - D - 0.9		- - 115.80- - -	0.30)	E VH	Soft to firm dark brown slightly slity slightly gravelly CLAY with occasional cobbles and occasional rootlets. Gravel is fine to coarse angular to subrounded limestone and quartzite. Cobbles are angular to subrounded limestone and quartzite. (TOPSOIL) Orangish brown very clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and		
LB - 0.8	0	-	(1.12)	M/H	boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) Between 0.85m and 1.20m bgl: band of limestone in southeast face.		
B = 1.2 D = 1.2 D = 1.4 					Moderately strong LIMESTONE - unable to penetrate. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.45m		

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Stable

 Remarks:
 Terminated at 1.45m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

TRIAL	_ PIT	LOG					TP	113
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		27/05/202	21			Scale		1:25
Ground	Level	116.04m	AOD	Coo	rdinates	E 454949.84 N 228973.35 Total Depth	1	.75m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES D	- 0.10 - - 0.40 -		 115.79 115.64_ 	(0.25) 0.25 (0.15) 0.40 (0.50)	E E/M	Soft dark brown slightly slity slightly gravelly CLAY with occasional cobbles. Gravel is fine to coarse angular to subrounded quartzite. and limestone. Cobbles are angular to subangular limestone. (TOPSOIL) Soft to firm reddish brown slightly slity slightly gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are subangular to subrounded limestone and quartzite. (SUBSOIL) Firm to stiff orangish brown gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are		
D	- - 0.90 - - -		- 115.14- - - 114.74-	0.90 (0.40) 1.30	М/Н	angular to subrounded limestone. (POSSIBLE HEAD) <i>At 0.50m bgl: ceramic land drain present. running northwest to southeast, potentially filled</i> <i>with clay.</i> Firm to stiff light grey to greyish mottled orangish brown very gravelly CLAY with frequent cobbles and rare to occasional boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular fossiliferous limestone.		
D	- 1.50 - 1.60 - 1.60 		114.74- 114.32 ⁻ 114.29- -	(0.42)	H VH	subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION) Light grey sightly mottled orange clayey GRAVEL with frequent cobbles and occasional boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Moderately strong LIMESTONE - unable to penetrate. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.75m		

Method: Wheeled backhoe excavator.	Length:	2.20m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.75m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS

TRIA	_ PIT	LOG					ТР	114
Project		Land adja	icent to .	Junction	10, M40), Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		27/05/202	21			Scale		1:25
Ground	Level	116.22m	AOD	Coo	rdinates	s E 454984.69 N 228910.07 Total Depth	1	.55m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
Type ES D B D D B D B	(m) - 0.10 - 0.40 - 0.55 		(mAoD) 115.97 115.97 115.67 - - - - - - - - - - - - -	(0.25) 0.25 (0.30) 0.55 (0.75) 1.30 (0.22) 1.52 (0.03)	ef Dig E E/M M	Soft dark brown slightly gravelly slightly silty CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse angular to subrounded quartzite and limestone. Cobbles are angular to subrounded limestone and quartzite. (TOPSOIL) Firm orangish brown gravelly CLAY with occasional to frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) Firm to stiff bluish grey CLAY with occasional cobbles are tabular limestone. (WHITE LIMESTONE FORMATION) Firm to stiff bluish grey CLAY with occasional cobbles are tabular limestone. (WHITE LIMESTONE FORMATION)		
				1.55		Moderately strong LIMESTONE - unable to penetrate. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.55m		

Method: Wheeled backhoe excavator.	Length:	2.40m
Groundwater: Groundwater not encountered.	gui	
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.55m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked:	AS

IRIA	L PIT	LOG					TP	115
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	and Ltd			Sheet		1 of 1
Date		27/05/202	21			Scale		1:25
Ground	Level	115.86m	AOD		rdinates	E 454961.85 N 228853.00 Total Depth	1	.60m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.30 		- 115.61 115.41 - -	(0.25) 0.25 (0.20) 0.45	E	Soft dark brown slightly slity slightly gravelly CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. (TOPSOIL) Soft to firm reddish brown slightly gravelly slightly silty CLAY with occasional cobbles. Gravel is fine to coarse angular to subangular limestone and quartzite. Cobbles are angular to subangular limestone. (SUBSOIL) Firm to stiff light orangish brown very gravelly CLAY with frequent cobbles.		
	- - - -		- - - 114.66-	(0.75) 1.20	M	Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Below 1.10m bgl: becoming very clayey gravel. Light orangish brown clayey GRAVEL with frequent cobbles. Gravel is fine to		9 /
D B	- 1.40 - 1.50 - -		 114.28_ 114.26_ 	(0.38) 1.58 (0.02) 1.60	M/H VH	coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Moderately strong LIMESTONE - unable to penetrate. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.60m		14 10 0
	- - -							
	 - -		-					
			-					
	- - -		-					
	- - -							
	-		-					

Groundwater: Groundwater not encountered. Stability: Stable Benerates Tempingtod et 4,00m bod due to encountered address to etc. Trick with a stability of the stability of th	t h: 2.40m
Remarks: Terminated at 1.60m bgl due to competent rock strength strata. Trial pit backfilled with arisings on Logg	
	1: 0.60m
	ed: KM
Chec	ked: AS

TRIAL PIT	LOG			TP	116
Project	Land adjacent to	Junction 10, M40), Ardley Project No.	AG326	8-21
Client	Albion Land Ltd		Sheet	1	l of 1
Date	01/06/2021		Scale		1:25
Ground Level	115.58m AOD	Coordinate	s E 454954.31 N 228764.28 Total Depth	1	.70m
Sample / Test Type (m)	Result Level (mAoD) Strata Depth Ease (thickness) (m) of Dig	Description of Strata	Legend	GW
ES - 0.10 - - D - 0.50 - -	115.33 115.18 - 114.98	 ☐ (0.15) ☐ (0.15) ☐ (0.40 ☐ (0.20) 	Soft dark brown slightly silty slightly gravelly CLAY with occasional cobbles and occasional to frequent rootlets. Gravel is fine to coarse angular to subrounded quartzite and limestone. Cobbles are angular to subrounded limestone and quartzite. (TOPSOIL) Firm dark reddish brown slightly silty slightly gravelly CLAY with rare rootlets and cobbles. Gravel is fine to coarse angular to subrounded limestone. Cobbles are angular to subangular limestone. (SUBSOIL) Orangish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone.		
D - 1.00	-	(0.85) (0.85) (M/H	limestone. (WHITE LIMESTONE FORMATION) Creamy brown clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. Boulders are angular to subangular tabular		
B - 1.60 D - 1.60 D - 1.60 		(0.23) 1.68	to subangular limestone. Boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) Firm orangish brown slightly gravelly CLAV with occasional to frequent shell fragments. Gravel is fine to medium angular to subangular limestone. (WHITE LIMESTONE FORMATION) Moderately strong LIMESTONE - unable to penetrate. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.70m		

Method: Wheeled backhoe excavator.	Length: 2.20m
Groundwater: Groundwater not encountered. Stability: Stable	Width: 0.60m
Stability: Stable Remarks: Terminated at 1.70m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

TRIA	L PIT	LOG					TP	117
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No .	AG326	68-21
Client		Albion La	ind Ltd			Sheet		1 of 1
Date		01/06/202	21			Scale		1:25
Ground	Level	115.50m	AOD	Coo	rdinates	E 454957.82 N 228686.53 Total Depth	1	.10m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - -		_ 115.30- _	(0.20) 0.20	Е	Soft dark brown slightly gravelly slightly silty CLAY with occasional cobbles and rootlets. Gravel is fine to coarse angular to subrounded limestone and quartzite. Cobbles are angular to subrounded limestone. (TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine		
D	- - 0.50		_	(0.70)	м	to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)	بِّ فَـْهَـ ۵ قَفَ مَ ۵ قَف مَ	0 0 0 0
LB	- 0.70 -		- _ 114.60-	0.00			ب ، ب ، « ف ، م ف ف ، « ف ، م	9
D	1.00 		114.60- 114.42_ 114.40_ 	0.90 (0.18) 1.08 (0.02) 1.10	Н/VН	Creamy brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) Moderately strong LIMESTONE - unable to penetrate. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.10m		9

Method: Wheeled backhoe excavator.	Length:	2.50m
Groundwater: Groundwater not encountered. Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.10m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked:	: AS

TRIAL PIT	LOG			TP	118
Project	Land adjacent to	Junction 10, M40), Ardley Project No.	AG326	68-21
Client	Albion Land Ltd		Sheet		1 of 1
Date	02/06/2021		Scale		1:25
Ground Level	114.88m AOD	Coordinates	s E 454955.30 N 228624.85 Total Depth	1	.50m
Sample / Test Type (m)	Result Level (mAoD)	Strata Depth (thickness) (m) of Dig	Description of Strata	Legend	GW
ES - 0.10 - D - 0.40	- 114.6 8 - -	(0.20)	Dark brown slightly slightly gravelly CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse angular to subrounded quartzite and limestone. Cobbles are angular to subrounded limestone. (TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular		
- - D - 0.80 - - -	114.22 - - 	0.65 (0.83) M/H	limestone. (WHITE LIMESTONE FORMATION) Light creamy brownish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
D - 1.30 B - 1.40 		1.48	Moderately strong LIMESTONE - unable to penetrate. WHITE LIMESTONE FORMATION) End of Trial Pit at 1.50m		

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Stable

 Remarks:
 Terminated at 1.50m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

TRIAL PIT	LOG			TP	119	
Project	Land adjacent to	Junction 10, M40), Ardley Project No .	AG326	8-21	
Client	Albion Land Ltd		Sheet		l of 1	
Date	01/06/2021		Scale	1:25		
Ground Level	114.41m AOD	Coordinate	s E 454966.60 N 228550.16 Total Depth	1.8		
Sample / Test Type (m)	Result Level (mAoD)	Strata Depth (thickness) (m) of Dig	Description of Strata	Legend	GW	
ES _ 0.15	114.16	(0.25) E	Soft dark brown slightly slightly gravelly CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are angular to subrounded limestone. (TOPSOIL)			
D — 0.50 - -		(0.50) M 0.75	Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)			
_ _ D - 1.10		(0.65) M/H	Light creamy brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)			
D - 1.40	113.0 1 112.86	1.40 (0.15) H 1.55	Light greyish brownish white slightly clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular fossiliferous			
B = 1.70 D = 1.70 - - -	- 112.56_ 	(0.30) 1.85 H/VH	Imestone. (WHITE LIMESTONE FORMATION) Moderately strong thinly bedded light creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders. Gravel, cobbles and boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.85m		•	

Method: Wheeled backhoe excavator.	Length: 2.40m
Groundwater: Groundwater not encountered.	
Stability: Stable.	Width: 0.60m
Remarks: Terminated at 1.85m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

TRIAL	- PIT	LOG					TP	120
Project		Land adja	icent to J	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		01/06/2021			Scale	1:25		
Ground	Level	115.82m AOD Coordinates E 454894.08 N 228690.86 Total Depth		E 454894.08 N 228690.86 Total Depth	1	.80m		
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - -		_ 115.62- _	(0.20) 0.20	E	Soft dark brown slightly slightly gravelly CLAY with occasional rootlets and cobbles. Gravel is fine to coarse angular to subrounded quartzite and limestone. Cobbles are angular to subrounded limestone. (TOPSOIL) Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is		· · ·
D	- - 0.60 -		-	(0.70)	М	fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		• • • • • •
D	- - 1.10		114.92-	0.90	-	Light creamy brownish white slightly clayey GRAVEL with frequent cobbles and rare to occasional boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are subangular to angular tabular fossiliferous limestone.		- 0 0 - 0 0 - 0 0
	-		114.27	(0.65) 1.55	M/H	(WHITE LIMESTONE FORMATION) Moderately strong thinly bedded light creamy brown fossiliferous LIMESTONE		0 0 0 0
D B	- 1.60 - 1.70 -		- - 114.02- -	(0.25) 1.80		recovered as gravel, cobbles and boulders. Gravel, cobbles and boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.80m		
	-		-					
	- - -		-					
	- 							
	- - -							
	- - -							
L		<u> </u>	_[]				ļ	

Method: Wheeled backhoe excavator.	Length: 2.50m
Groundwater: Groundwater not encountered.	
Stability: Stable	Width: 0.60m
Remarks: Terminated at 1.80m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

TRIAL	_ PIT	LOG					TP	121
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	8-21
Client		Albion La	nd Ltd			Sheet	1	l of 1
Date		28/05/202	21			Scale		1:25
Ground	Level	110.93m	AOD	Coo	rdinates	E 454964.98 N 228406.43 Total Depth	1	.65m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES D	- 0.10 - - - 0.50 -		- 110.73- - - 110.33-	(0.20) 0.20 (0.40)	E E/M	Soft to firm dark brown slightly gravelly slightly silty CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse angular to subrounded limestone and quartzite. Cobbles are angular to subrounded limestone and quartzite. (TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone.		
D	- - - - 1.10 -		- - - - -	(0.90)	M/H	(WHITE LIMESTONE FORMATION) Light creamy brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
B D	- - 1.50 _ 1.50 - -		109.43- 109.28 -	(0.15)	н∕∨н	Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders. Gravel, cobbles and boulders are angular to subangular, tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.65m		

	Length:	2.30m
Groundwater: Groundwater not encountered.		
Stability: Stable.	Width:	0.60m
Remarks: Terminated at 1.65m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked:	AS

TRIA	L PIT	LOG					TP12	21A
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	8-21
Client		Albion La	nd Ltd			Sheet		of 1
Date		02/06/202	21			Scale		1:25
Ground	Level	110.93m	AOD		rdinates	E 454964.98 N 228406.43 Total Depth	1	.65m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
				(0.30) 0.30 (0.25) 0.55 (1.07)	E M M/H	Soft to firm dark brown slightly sity slightly gravelly CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse angular to subrounded unrestone. Cobbles are angular to subrounded (TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. Cobbles are angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Light Drownish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) (WHITE LIMESTONE FORMATION) Moderately strong LIMESTONE - unable to penetrate. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.65m		

Method: Wheeled backhoe excavator. Groundwater: Groundwater not encountered.	Length:	2.60m
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.65m bgl due to competent rock strength strata. Trial pit used for soakaway test prior to being backfilled with arisings on completion of test, see separate sheet for soakaway test results.	Logged:	KM
	Checked	: AS

TRIA	L PIT	LOG					ТР	122
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		28/05/202	21			Scale		1:25
Ground	Level	109.52m	AOD	Coo	rdinates	E 454964.08 N 228372.76 Total Depth	2	.10m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES D	- 0.10 - - 0.30 -		109.27_ 109.07_	(0.25) 0.25 (0.20) 0.45	E	Soft dark brown slightly gravelly silty CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse angular to subrounded limestone and quartzite. Cobbles are angular to subrounded limestone and quartzite. \(TOPSOIL) Dark orangish yellowish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular		
D	- 0.80 			(0.95)	М	to subangular limestone. (WHITE LIMESTONE FORMATION) Light creamy yellowish brown slightly clayey GRAVEL with angular to subangular occasional to frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	_ _ 1.50 _			1.40	M/H	Light grey slightly mottled orangish brown very clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular, fossiliferous limestone. (WHITE LIMESTONE FORMATION)		
D B	- - 1.90 2.00 -		107.44		VH	Moderately strong LIMESTONE - unable to penetrate.		
			107.42	(0.02) 2.10		(WHITE LIMESTONE FORMATION) End of Trial Pit at 2.10m		

Method: Wheeled backhoe excavator.	Length: 2.40m
Groundwater: Groundwater at 1.90m bgl.	
Stability: Stable	Width: 0.60m
Remarks: Terminated at 2.10m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

TRIAI	_ PIT	LOG					TP	123
Project		Land adja	acent to J	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		27/05/202	21			Scale		1:25
Ground	Level	115.85m	AOD	Coo	rdinates	E 455035.22 N 228966.80 Total Depth	1	.70m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES D	- 0.10 - - - 0.40		- 115.65- - - -	(0.20) 0.20 (0.65)	E E/M	Soft dark brown slightly slity slightly gravelly CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is subangular to subrounded quartzite and limestone. Cobbles are angular to subrounded limestone and quartzite. (TOPSOIL) Firm to stiff grey mottled orangish brown slightly gravelly CLAY with rare cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	_ 0.85 		115.00	0.85 (0.45)	м	Firm to stiff light grey mottled orange gravelly CLAY with rare to occasional. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D B	- - - 1.50 - 1.60 -		114.55- - - 114.15-	1.30 (0.40) 1.70	VH	Moderately strong thinly bedded creamy greyish brown fossiliferous LIMESTONE recovered as gravel, cobbles and boulders. Gravel, cobbles and boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.70m		

Method: Wheeled backhoe excavator.	Length:	2.20m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.70m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS

Client Albion Land Ltd Sheet 1 or Date 28/05/2021 Scale 1: Ground Level 116.10m AOD Coordinates E 455022.60 N 228902.36 Total Depth 2.15 Sample Depth Laurel Strata Face	TRIAL PIT	LOG			TP124	4
Date 28/05/2021 Scale 1: Ground Level 116.10m AOD Coordinates E 455022.60 N 228902.36 Total Depth 2.15 Viewer Depth (mAoD) Lease (mAoD) E 455022.60 N 228902.36 Total Depth 2.15 Viewer Result Leavel (mAoD) Coordinates E 455022.60 N 228902.36 Total Depth 2.15 Viewer Result Leavel (mAoD) Coordinates E 455022.60 N 228902.36 Total Depth 2.15 Viewer Result Leavel (mAoD) Coordinates E 455022.60 N 228902.36 Total Depth 2.15 Viewer Result Leavel (mAoD) Occasional cobles. Soft to firm dark brown slightly gravely slightly sl	Project	Land adjacent to J	Junction 10, M40	, Ardley Project No.	AG3268-2	1
Ground Level 116.10m AOD Coordinates E 455022.60 N 228902.36 Total Depth 2.15	Client	Albion Land Ltd		Sheet	1 of	1
Sample (Test Type Depth (m) Result Level (mAoD) Ease of Dig Description of Strata Legend G ES 0.10 - (0.30) Ease of Dig Soft to firm dark brown slightly graveliy slightly silty CLAY with occasional to subrounded limestone and quartzite. Cobbles are angular to subrounded limestone and rare quartzite. Soft to firm orangish brown graveliy CLAY with occasional to frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. Cobbles are angular to subangular limestone. CWHITE LIMESTONE FORMATION) Soft to firm orange slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. CWHITE LIMESTONE FORMATION) D 1.00 115.10 0.40 1.00 M/H WH WH WH WH WH Soft to firm orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular and tabular. Cobbles are angular to subangular limestone. CWHITE LIMESTONE FORMATION) Soft to firm orange slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. CWHITE LIMESTONE FORMATION) Soft to firm orange slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. Cobbl	Date	28/05/2021		Scale	1:2	5
Type Ome Description of Strata Legend Constrained Type (mAoD) (mA	Ground Level	116.10m AOD	Coordinates	s E 455022.60 N 228902.36 Total Depth	2.15n	n
ES 0.10 0.30 E Soft to firm dark brown slightly gravelly slightly slightly slity CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse angular to subrounded limestone and quartzite. Cobbles are angular to subrounded limestone and quartzite. D 0.40 (0.25) E/M Firm orangish brown gravelly CLAY with occasional to frequent cobbles. D 0.60 115.56 0.55 H H O 0.60 115.52 (0.03) 0.58 Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. D 1.00 115.16 0.58 M/H D 1.00 115.16 1.00 WHTE LIMESTONE FORMATION) Weak to moderately strong orangish brownish white LIMESTONE recovered as gravel and cobbles. Gravel is fine to coarse angular to subangular and tabular. (WHITE LIMESTONE FORMATION) Light greyish white locally orange slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. Cobles are angular to subangular limestone. D 1.80 114.16 1.95 H Light greyish white slightly mottled orange slightly clayey GRAVEL with frequent cobles. Gravel is fine to coarse angular to subangular limestone. Cobles are angular to subangular to subangular to subangular limeston	/ Test (m)		Depth Ease (thickness) of Dig	Description of Strata	Legend GW	/
	/Test Type (m) ES - 0.10 - - D - 0.40 D - 0.60 - - - D - 1.00 - - - - - - - - - - - - - - - - - -	Result (mAoD) (mAoD) (115.80 115.56 115.52 - 115.10 115.10 115.10 114.16	Depth (thickness) Ease of Dig (0.30) E 0.30 E/M 0.55 H 0.55 H 0.30) 0.58 (0.42) M/H 1.00 M 1.95 H (0.20) H	Description of Strata Soft to firm dark brown slightly gravelly slightly silty CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse angular to subrounded limestone and quartzite. Cobbles are angular to subrounded limestone and rare quartzite. (TOPSOIL) Soft to firm orangish brown gravelly CLAY with occasional to frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Weak to moderately strong orangish brownish white LIMESTONE recovered as gravel and cobbles. Gravel is fine to coarse angular to subangular and tabular. Cobbles are angular to subangular and tabular. (WHITE LIMESTONE FORMATION) Light greyish white locally orange slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular limestone. Cobbles are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) Firm bluish grey slightly mottled orange CLAY. (WHITE LIMESTONE FORMATION) Light greyish white slightly mottled orange slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Light greyish white slightly mottled orange slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. (WHITE LIMESTONE FORMATION) KILLIMESTONE FORMATION) Light greyish white slightly mottled orange slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) At 2.15m bgl: moderately weak LIMESTONE - unable to penetrate.	Legend GW	

Groundwater: Seepage at 2.00m bgl. Stability: Stability: Stability: Stability: Remarks: Terminated at 2.15m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion. Logged: KM Checked:	Method: Wheeled backhoe excavator.	Length:	2.30m
Remarks: Terminated at 2.15m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Groundwater: Seepage at 2.00m bgl.		
completion.	Stability: Stable	Width:	0.60m
Checked: AS		Logged:	КМ
	·	Checked	: AS

TRIAL	_ PIT	LOG					TP	125
Project		Land adja	acent to J	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		03/06/202	21			Scale		1:25
Ground	Level	123.08m	AOD	Coo	rdinates	E 454257.16 N 229112.62 Total Depth	1	.65m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - -		- 122.88- - -	(0.20) 0.20	E	Soft to firm dark brown slightly slity slightly gravelly CLAY with occasional cobbles and rootlets. Gravel is fine to coarse angular to subrounded limestone. Cobbles are angular to subrounded limestone. (TOPSOIL) Firm orangish yellowish brown gravelly CLAY with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to		
D	_ - - 0.70			(0.60)	М	subangular tabular limestone. (WHITE LIMESTONE FORMATION)		.
D LB	- - 0.90 _ 0.90 -		122.28- - 	0.80 (0.50)	M	Firm brownish slightly mottled brown slightly gravelly CLAY. Gravel is fine to medium angular to subangular limestone. (WHITE LIMESTONE FORMATION)		• • • • •
DB	- 1.30 - - 1.50		121.78- - -	1.30 (0.35)	м	Firm to stiff light grey mottled orange slightly gravelly CLAY with occasional shell fragments. Gravel is fine to coarse angular to subangular limestone. Rare to occasional cobbles of angular to subangular limestone.		- - - -
	_		121.43	1.65	∨н	(WHITE LIMESTONE FORMATION) At 1.65m bgl: moderately strong LIMESTONE - unable to penetrate. End of Trial Pit at 1.65m	**************************************	-
			-					
	_		-					
	_		-					
	_		-					
	_		-					
	_ _ _							
	- -							
	- - -							
	- 							
	-							

Groundwater: Groundwater not encountered.	Length:	2.30m
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.65m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS

TRIAL PIT	LOG				TP	126
Project	Land adjacent to	Junction 10, M40), Ardley	Project No.	AG326	68-21
Client	Albion Land Ltd			Sheet		1 of 1
Date	03/06/2021			Scale		1:25
Ground Level	114.43m AOD	Coordinate	E 455034.38 N 228763.49	Total Depth	1	.20m
Sample / Test Type (m)	Result Level (mAoD)) Strata Depth (thickness) (m) of Dig		n of Strata	Legend	GW
ES - 0.10 - - D - 0.50	114.23	(0.20) 0.20 E (0.55) E/M	Soft to firm dark brown slightly silty slightly sold cobbles and frequent rootlets. Gravel is limestone and quartzite. Cobbles are an (TOPSOIL) Firm dark orangish brown mottled orang cobbles. Gravel is fine to coarse angular angular to subangular limestone. (WHITE LIMESTONE FORMATION)	fine to coarse angular to subrounded ngular to subrounded limestone. ge slightly gravelly CLAY with rare		
D - 0.80 D - 1.00 B - 1.10 	113.48	(0.20) M 3 0.95 (0.25) H/VH	Firm to stiff dark grey mottled orange sl occasional cobbles. Gravel is fine to co Cobbles are angular to subangular lime (WHITE LIMESTONE FORMATION) Orangish brown clayey GRAVEL with fr Gravel is fine to coarse angular to suba are angular to subangular tabular fossil (WHITE LIMESTONE FORMATION) At 1.20m bgl: moderately strong LIMESTONE	arse angular to subangular limestone. estone. equent cobbles and rare boulders. ngular limestone. Cobbles and boulder iferous limestone,		

Method: Wheeled backhoe excavator. Groundwater: Groundwater not encountered.	Length: 2.10m
Stability: Stable	Width: 0.60m
Remarks: Terminated at 1.20m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

TRIAL	_ PIT	LOG					TP	127
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		03/06/202	21			Scale		1:25
Ground	Level	114.78m	AOD	Coo	rdinates	E 455034.94 N 228696.12 Total Depth	1	.50m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - -		114.53	(0.25) 0.25	E	Soft to firm dark brown slightly silty slightly gravelly CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse angular to subrounded limestone and quartzite. Cobbles are angular to subrounded limestone. (TOPSOIL) Dark orangish brown gravelly CLAY with frequent cobbles. Gravel is fine to		
D	 0.60 		-	(0.55)	М	coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		5
D	- - 0.90 		113.98-	0.80 (0.40)	н	Firm greyish brown very gravelly CLAY with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
B D	- - 1.40 _ 1.40 -		113.58- - 113.28- - -	1.20 (0.30) 1.50	н	Orangish greyish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION) <i>At 1.50m bgl: moderately strong LIMESTONE - unable to penetrate.</i> End of Trial Pit at 1.50m		
	- - 		-					

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Stable

 Remarks:
 Terminated at 1.50m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

TRIAL	_ PIT	LOG					ТР	128
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	58-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		03/06/202	21			Scale		1:25
Ground	Level	114.84m	AOD	Coo	rdinates	E 455030.74 N 228628.28 Total Depth	2	.10m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES D	- 0.10 - - - 0.50 - - - 0.80		- - 114.54- - - -	(0.30) 0.30	E	Soft to firm dark brown slightly gravelly slightly silty CLAY with frequent cobbles. Gravel is fine to coarse angular to subrounded quartzite and limestone. Cobbles are angular to subrounded limestone and quartzite. (TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles and occasional boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)		as las las las las
	- - - - -			(1.40)	М			
D	- 1.70 - - - 2.00		113.14 - -	1.70 (0.40)	н	Light greyish brownish white very clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)	0, <u>20, 0</u> 0, <u>20, 0</u> 0, <u>20, 0</u> 0, <u>0, 0</u> 0, <u>0, 0</u> 0, <u>0</u>	<u>, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10</u>
				2.10		At 2.10m bgl: possible layer of competent limestone - unable to penetrate. End of Trial Pit at 2.10m		

Method: Wheeled backhoe excavator. Groundwater: Groundwater not encountered.						
Stability: Stable	Width:	0.60m				
Remarks: Terminated at 2.10m bgl due to possible layer of competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	КМ				
	Checked	: AS				

TRIA	L PIT	LOG					TP	129
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	8-21
Client		Albion La	nd Ltd			Sheet	1	l of 1
Date		01/06/202	21			Scale		1:25
Ground	Level	114.08m	AOD	Coo	rdinates	E 455027.90 N 228546.90 Total Depth	2	.00m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - -		113.83	(0.25) 0.25	E	Soft dark brown slightly slity slightly gravelly CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse angular to subrounded quartzite and limestone. Cobbles are angular to subrounded limestone. (TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine		
D	- 0.60 - - - -			(1.00)	М	to coarse angular to subangular limestone. Cobbles are angular subangular limestone. (WHITE LIMESTONE FORMATION) Between 0.25m and 0.60m bgl: pocket of soft to firm reddish brown slightly silty slight gravelly CLAY (subsoil) in northeastern part of pit. Gravel is fine to coarse, angular to subangular limestone with occasional cobbles of angular to subangular limestone.		
D	_ _ _ 1.50		112.83	1.25 (0.45)	м/н	Light orangish brown slightly clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)		
	_		- 112.38-	1.70	-	Light creamy brown slightly clayey GRAVEL with occasional cobbles. Gravel is		
B D	- - 1.90 - 1.90 -		- - 112.0 8 -	(0.30) 2.00	Н/VН	Light creamy brown slightly clayey GRAVEL with occasional cobbles. Graver is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone (WHITE LIMESTONE FORMATION) <u>At 2.00m bgl: moderately strong LIMESTONE - unable to penetrate.</u> End of Trial Pit at 2.00m		

	Length:	2.30m
Groundwater: Groundwater not encountered. Stability: Slight collapse of east wall below 1.00m bgl.	Width:	0.60m
Remarks: Terminated at 2.00m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked:	AS

TRIAL	- PIT	LOG					TP	130
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		01/06/202	21			Scale		1:25
Ground	Level	122.98m	AOD	Coo	rdinates	E 454185.09 N 229109.09 Total Depth	2	.20m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - -		- 122.78- -	(0.20) 0.20 (0.45)	E M/H	Soft dark brown slightly slightly gravelly CLAY with occasional cobbles and rootlets. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are angular to subrounded limestone. (TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular		
D	- 0.50 - - -		122.33	0.65		limestone. (WHITE LIMESTONE FORMATION) Creamy orangish brown slightly clayey GRAVEL with frequent cobbles and occasional to frequent boulders. Gravel is fine to coarse angular to subangular. Cobbles and boulders are angular to subangular tabular fossiliferous		
В	— 1.00 - -		-	(0.75)	н	limestone. (WHITE LIMESTONE FORMATION)		
D	- - - 1.70		121.58-	1.40		Light creamy brown white slightly clayey GRAVEL with occasional to frequent cobbles and rare boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular fossiliferous limestone.		
В	- 1.70 - 1.90			(0.00)	н	(WHITE LIMESTONE FORMATION)		>
D	- 1.90 - 2.10 -		120.9 8 - 120.78- -	2.00 (0.20) 2.20	H/VH	Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders. Gravel, cobbles and boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
						End of Trial Pit at 2.20m		

Method: Wheeled backhoe excavator.	Length: 2.30m
Groundwater: Groundwater not encountered.	
Stability: Stable	Width: 0.60m
Remarks: Terminated at 2.20m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

TRIAL	_ PIT	LOG					ТР	131
Project		Land adja	icent to .	Junction	10, M40	, Ardley Project No.	AG326	8-21
Client		Albion La	nd Ltd			Sheet		l of 1
Date		19/05/202	21			Scale		1:25
Ground	Level	110.48m /	AOD	Coo	rdinates	E 455029.47 N 228404.85 Total Depth	2	.30m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- - 0.20 -			(0.30) 0.30	E	Soft dark brown slightly slity slightly gravelly CLAY with occasional cobbles and occasional rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subrounded to the subangular to subrounded limestone.		
D	- 0.50 -		 109.88	(0.30) 0.60	M	fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Light creamy brownish white slightly clayey GRAVEL with frequent cobbles.		
В	- 0.80 - 			(1.00)	н	Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)		
B D	- - 1.30 - 1.40 -							
	- - -		108.88- - -	1.60	VH	Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
D B	- 2.10 - 2.20		-			Between 2.10m and 2.20m bgl: pocket of soft to firm light orangish brown clay with possible laminations.		
			108.18	2.30		End of Trial Pit at 2.30m		

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Stable

 Remarks:
 Terminated at 2.30m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

TRIA	L PIT	LOG					ТР	132
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	58-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		28/05/202	21			Scale		1:25
Ground	Level	114.86m	AOD		rdinates	E 455091.67 N 228949.96 Total Depth	2	.20m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - -		114.61	(0.25) 0.25	E	Soft to firm dark brown slightly gravelly slightly silty CLAY with frequent rootlets and occasional to frequent cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone and rare quartzite. (TOPSOIL)		
D	- 0.50 - -			(0.85)	м	Yellowish orangish brown clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)	بن، °بن، ۹, فت، م بن، °بن، ۹, فت، م بن، °بن، ۹, فت، م	al
LB	- 0.80 - - - -		- 113.76- 	1.10		At 1.00m bgl: black, ribbed, perforated, plastic pipe running across pit in NE-SW direction. Made Ground locally above pipe. Light creamy yellowish brownish white clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse angular to subangular limestone.		00 00 100 100 00 00
D	- 1.50 -		-	(1.08)	MUL	Cobbles and boulders are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)		
	-		-	(1.00)	M/H			
D B	- 2.00 - 2.10 -		 112.68_ 112.66	2.18 (0.02)	∨н	Moderately strong LIMESTONE - unable to penetrate.		•
				2.20		(WHITE LİMESTÖNE FORMATION) End of Trial Pit at 2.20m		

Method: Wheeled backhoe excavator.	Length:	2.20m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 2.20m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked:	AS

TRIAL PIT	LOG			ТР	133
Project	Land adjacent to	Junction 10, M	0, Ardley Project No.	AG326	68-21
Client	Albion Land Ltd		Sheet		1 of 1
Date	03/06/2021		Scale		1:25
Ground Level	114.69m AOD	Coordinat	es E 455101.38 N 228887.85 Total Depth	1	.70m
Sample / Test Type (m)	Result Level (mAoD)	Strata Depth (thickness) (m) of Dig	Description of Strata	Legend	GW
ES - 0.10 - -	114.49	(0.20)	Soft to firm dark brown slightly gravelly slightly silty CLAY with occasional rootlets and frequent cobbles of angular to subrounded limestone and quartzite. Gravel is fine to coarse angular to subrounded limestone and quartzite. (TOPSOIL) Firm orangish brown slightly gravelly CLAY with occasional pockets of		
D - 0.60		(1.00) E/M	orangish brown slightly sandy clay and rare roots and rootlets. Gravel is fine t medium angular to subrounded limestone. (WHITE LIMESTONE FORMATION) Below 0.70m bgl: rare angular to subangular limestone cobbles.		
	113.49	1.20 (0.50) M	Light creamy orangish brown clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders of angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		•
B - 1.60 D _ 1.60 -	112.99	1.70	At 1.70m bgl: moderately strong LIMESTONE - unable to penetrate. End of Trial Pit at 1.70m		

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Stable

 Remarks:
 Terminated at 1.70m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

TRIA	L PIT	LOG					TP	134
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		03/06/202	21			Scale		1:25
Ground	Level	114.44m	AOD	Coo	rdinates	E 455106.74 N 228840.66 Total Depth	1	.05m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - -		114.19	(0.25) 0.25	E	Soft to firm dark brown slightly slity slightly gravelly CLAY with frequent rootlets and occasional cobbles. Gravel is fine to coarse angular to subrounded limestone and quartzite. Cobbles are angular to subangular limestone. (TOPSOIL) Firm to stiff orangish brown very gravelly CLAY with occasional to frequent		
D	- - - 0.70		-	(0.60)	М	cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		0 - - -
B D	- - 0.90 - 0.90 -		113.59 113.39	0.85 (0.20) 1.05	н/vн	Moderately strong thinly bedded brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders. Gravel, cobbles and boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.05m		• - - - -

Method: Wheeled backhoe excavator. Groundwater: Groundwater not encountered.	Length:	2.40m
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.05m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	AS

TRIAL	- PIT	LOG					TP135
Project		Land adja	acent to J	Junction	10, M40	, Ardley Project No.	AG3268-21
Client		Albion La	nd Ltd			Sheet	1 of 1
Date		04/06/202	21			Scale	1:25
Ground	Level	113.79m	AOD		rdinates	E 455096.50 N 228757.55 Total Depth	1.20m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend GW
ËS	0.05 - - - - 0.40		113.64	(0.15) 0.15 (0.55)	M/H	Soft to firm dark brown slightly gravelly slightly silty CLAY with fre and occasional cobbles. Gravel is fine to coarse angular to subrou limestone and quartzite. Cobbles are angular to subrounded limes quartzite. (TOPSOIL) Firm to stiff brownish grey gravelly CLAY with occasional cobbles fine to coarse angular to subangular limestone. Cobbles are angu	unded stone and
D	- - 0.80 -		- 113.09- - -	0.70 (0.50)	E H/VH	subangular limestone. (WHITE LIMESTONE FORMATION) At 0.50m bgl: ceramic land drain transects pit in E-W direction. Pipe slightly so Orangish brown clayey GRAVEL with frequent boulders and cobb fine to coarse angular to subangular limestone. Cobbles and boul	ilted up.
В	- 1.10 			(0.50)	H/VH	angular to subangular tabular fossillferous limestone. (WHITE LIMESTONE FORMATION) <u>At 1.20m bgl: moderately strong LIMESTONE - unable to penetrate.</u> End of Trial Pit at 1.20m	
	- - 		-				

Method: Wheeled backhoe excavator.	Length:	3.90m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.20m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS

TRIAL	- PIT	LOG					TP	136
Project		Land adja	acent to J	lunction	10, M40	, Ardley Project No.	AG326	8-21
Client		Albion La	nd Ltd			Sheet		l of 1
Date		02/06/202	21			Scale		1:25
Ground	Level	113.98m	AOD	Coo	rdinates	E 455095.19 N 228685.90 Total Depth	1	.45m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES D	- 0.10 - - 0.30 -		- 113.78- - 113.58- -	(0.20) 0.20 (0.20) 0.40	E E/M	Soft to firm dark brown slightly slity slightly gravelly CLAY with occasional to frequent rootlets and occasional cobbles. Gravel is fine to coarse angular to subrounded limestone and quartzite. Cobbles are angular to subrounded limestone and quartzite. ((TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone.		
D	- - 0.80 - -		-	(0.85)	M/H	(WHITE LIMESTONE FORMATION) Light orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)		
B D	- - 1.30 _ 1.30 		112.73 112.53	1.25 (0.20) 1.45	м/н	Firm light orangish brown slightly gravelly CLAY with occasional to frequent shell fragments. Gravel is fine angular to subangular limestone. (WHITE LIMESTONE FORMATION) <i>At 1.45m bgl: moderately strong LIMESTONE - unable to penetrate.</i> End of Trial Pit at 1.45m		
	- - -		-					
	-		-					
	-		-					
	-		-					
			-					
	-		-					
	-							
	- - -							
	_							

	Checked:	AS
Remarks: Terminated at 1.45m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
Stability: Stable	Width:	0.60m
Method: Wheeled backhoe excavator. Groundwater: Groundwater not encountered.	Length:	2.50m

TRIAL	_ PIT	LOG					ТР	137
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client	Client Albion Land Ltd			Sheet		1 of 1		
Date	Date 04/06/2021				Scale	Scale		
Ground	Level	114.42m	AOD	Coordinates E 45		E 455092.16 N 228620.56 Total Depth	1	.40m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- - - 0.30 -		_ 114.22- _ 114.02- _	(0.20) 0.20 (0.20) 0.40	E	Soft to firm dark brown slightly slity slightly gravelly CLAY with frequent rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are angular to subrounded limestone and quartzite. (TOPSOIL) Soft to firm reddish brown slightly slity slightly gravelly CLAY and occasional cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are		
D	- - - 0.80 - -		-	(0.80)	м	angular to subangular limestone ((SUBSOIL) Light orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
B	- 1.30 - 1.30 - 1.30 			1.20 (0.20) 1.40	M/H			

Method: Wheeled backhoe excavator.	Length: 2.40m
Groundwater: Groundwater not encountered. Stability: Stable	Width: 0.60m
Remarks: Terminated at 1.40m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

TRIAL	PIT	LOG					ТР	138	
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No .	AG326	68-21	
Client Date		Albion La	nd Ltd			Sheet	1 of 1 1:25		
		04/06/202	21			Scale			
Ground L	Ground Level 113.82m AOD			Coo	Coordinates E 455098.74 N 228555.52 Total Depth				
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW	
ES - - -	0.10		_ 113.62- _ _ _			Firm dark brown slightly slity slightly gravelly CLAY with occasional cobbles and occasional to frequent rootlets. Gravel is fine to coarse angular to subrounded limestone and quartzite. Cobbles are angular to subrounded quartzite and limestone. (TOPSOIL) Dark brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular			
LB - D -	0.60		- - - 112.8 2	(0.80)		limestone. (WHITE LIMESTONE FORMATION) Light creamy brownish white clayey GRAVEL with frequent cobbles and			
B - D -	1.40 1.40		-	(0.60)		coasional boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are tabular angular to subangular fossiliferous limestone. (WHITE LIMESTONE FORMATION)			
				1.60		At 1.60m bg!: moderately strong LIMESTONE - unable to penetrate. End of Trial Pit at 1.60m			

Method: Wheeled backhoe excavator. Groundwater: Groundwater not encountered.	Length: 2.45m
Stability: Stable	Width: 0.60m
Remarks: Terminated at 1.60m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

TRIA	L PIT	LOG					ТР	139
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		19/05/202	21			Scale		1:25
Ground	Level	112.60m	AOD	Coo	rdinates	E 455099.58 N 228482.04 Total Depth	2.00m	
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - - - 0.60		- - 112.25 - -	(0.35) 0.35	E	Soft dark brown slightly slightly gravelly CLAY with occasional rootlets and occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
	- - 		- - - 111.50- -	(0.75) 1.10	E/M VH -	Light brownish creamy white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are		
D	- 1.30 - -		-	(0.50)	M/H	angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)	بۇ ، ⁶ ، ⁶ ، ⁶ ⁶ ، ⁶ ، ⁶ ⁶ ، ⁶ ، ⁶ ⁶ ، ⁶ ، ⁶	
DB	- - 1.70 - - 1.90		111.00- - -	1.60 (0.40)	-	Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
			110.6 0	2.00		End of Trial Pit at 2.00m		

	Lengui.	2.20m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 2.00m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked:	AS

TRIAL	_ PIT	LOG					TP	140				
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No .	AG326	68-21				
Client		Albion La	nd Ltd			Sheet		1 of 1				
Date		03/06/202	21			Scale		1:25				
Ground	Level	110.53m	110.53m AOD		110.53m AOD		m AOD Coordir		rdinates	E 455102.38 N 228415.64 Total Depth	1.70m	
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW				
ES	- 0.10 - -		- 110.33- -	(0.20) 0.20	E	Soft to firm dark brown slightly slity slightly gravelly CLAY with frequent rootlets and occasional cobbles. Gravel is fine to coarse angular to subrounded limestone and quartzite. Cobbles are angular to subrounded limestone. (TOPSOIL) Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is						
D	- - 0.50 -			(0.55)	М	fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)	بِنَّ ، فَـِنْهَـٰ (* حَفَّ ، فَـ (* حَفَّ ، فَـ					
LB	- 0.80 - - - -		109.78	0.75 (0.70)	M/H	Light orangish brown slightly clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)						
B D	- - 1.60 - 1.60 -		109.08 108.83 	1.45 (0.25) 1.70	∨н	Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders. Gravel, cobbles and boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.70m						

Method: Wheeled backhoe excavator.	Length:	2.20m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.70m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	КМ
	Checked:	AS

TRIAL	_ PIT	LOG					TP	141		
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	58-21		
Client		Albion La	nd Ltd			Sheet		1 of 1		
Date		03/06/202	21			Scale		1:25		
Ground	Level	113.42m	113.42m AOD		3.42m AOD Coo		rdinates	E 455153.62 N 228889.24 Total Depth	1	.40m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW		
ES	- - 0.20 - -		- - 113.12- -	(0.30) 0.30 (0.35)	E	Soft to firm dark brown slightly gravelly slightly silty CLAY with occasional cobbles and occasional to frequent rootlets. Gravel is fine to coarse angular to subrounded limestone and quartzite. Cobbles are angular to subrounded limestone. (TOPSOIL) Soft to firm dark reddish brown slightly gravelly slightly silty CLAY with rare cobbles. Gravel is fine to coarse angular to subrounded limestone. Cobbles				
D	- - - 0.80 -		112.77	0.65 (0.40)	м/н	are angular to subangular limestone. (SUBSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone.		1 0 0 - 10 0 - 10 0 - 10 0 - 10 0 - 10 0 - 10 0 - 10 0 - 10 0 - 10 0 - 10 0 - 10 0 - 10 0 - 10 0 - 10 0 - 10 0		
D B	 - 1.20 - 1.30 _		112.37 112.02- 	1.05 (0.35) 1.40	н/ун	(WHITE LIMESTONE FORMATION) Light creamy brownish white slightly clayey to clayey GRAVEL with frequent cobbles and rare to occasional boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular fossiliferous limestone. Boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) At 1.40m bgl: moderately strong LIMESTONE - unable to penetrate. End of Trial Pit at 1.40m		10 ° 10 ° 10 ° 10 ° 10 ° 10 ° 10 ° 10 °		

Method: Wheeled backhoe excavator.	Length: 2.30m
Groundwater: Groundwater not encountered.	
Stability: Stable	Width: 0.60m
	Logged: KM
	Checked: AS

Project Land adjacent to Junction 10, M40, Ardley Project No. Client Albion Land Ltd Sheet Date 19/05/2021 Scale Ground Level 112.91m AOD Coordinates E 455170.94 N 228831.00 Total Depth // Teak Depth (m) Result Level (mAOD) Soft dark brown slightly silty slightly gravelly CLAY with rare cobbles and occasional robtlets. Gravel is fine to coarse subangular to subrounded limestone and quartzite. 0 0.30 112.71 0.20 E Soft dark brown slightly silty slightly gravelly CLAY with rare robtlets and occasional robtlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. D 0.50 - (0.45) Orangish brown slightly slightly gravelly CLAY with rare roottets and rare to occasional robtlets. Gravel is fine to coarse angular to subrounded limestone. D 0.90 - (0.45) Orangish brown slightly slightly gravelly CLAY with rare cobbles and rare boulders. Gravel is fine to coarse angular to subangular to subrounded limestone. B 1.20 - (0.45) Orangish brown slightly slightly gravelly cLAY with rare cobbles and paider subangular to coarse and boulders are angular to subangular to subangular to coarse angular to subangul		3-21 of 1 1:25
Date 19/05/2021 Scale Ground Level 112.91m AOD Coordinates E 455170.94 N 228831.00 Total Depth [×] /Test Depth (m) Result Level (mAoD) Soft (mixcos) Ease of Dig Description of Strata V Depth (m) Result Level (mAoD) Soft dark brown slightly silty slightly gravelly CLAY with rare cobbles and occasional rootlets. Gravel is fine to coarse subangular to subrounded limestone and quartzite. (TOPSOIL) D 0.50 112.51 0.40 Soft reddish brown slightly silty slightly gravelly CLAY with rare rootlets and rare to occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (SUBSOIL) D 0.50 (0.45) Orangish brown slightly clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse angular to subangular limestone. (SUBSOIL) D 0.90 112.06 0.85 Orangish brown slightly clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse angular to subangular limestone. (WHITE LIMESTONE FORMATION) B 1.20 111.61 1.20 (0.45) Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE FORMATION)		
Ground Level112.91m AODCoordinatesE 455170.94 N 228831.00Total Depth/Test TypeDepth (m)ResultLevel (mAOD)Strata (mAOD)Ease of DigDescription of Strata/Test Type0.200.20ESoft dark brown slightly slightly gravelly CLAY with rare cobbles and occasional rootlets. Gravel is fine to coarse subangular to subrounded limestone and quartzite.ES0.30-(0.20)ESoft dark brown slightly slightly gravelly CLAY with rare rootlets and rare to occasional rootlets. Gravel is fine to coarse subangular to subrounded limestone and quartzite.D-0.50-(0.40)Soft reddish brown slightly slightly gravelly CLAY with rare rootlets and rare to occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone.LB0.60-(0.45)Orangish brown slightly clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular limestone.D-0.90(0.45)B1.20-(0.45)-H116.11.20-(WHITE LIMESTONE FORMATION)Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE FORMATION)-	1	1:25
Sample Type Depth (m) Result Level (mAoD) Strata Depth (thickness) (m) Ease of Dig Description of Strata V (0.20) E Soft dark brown slightly silty slightly gravelly CLAY with rare cobbles and occasional rootlets. Gravel is fine to coarse subangular to subrounded limestone and quartzite. (TOPSOIL) ES 0.30 (0.20) E Soft reddish brown slightly silty slightly gravelly CLAY with rare rootlets and occasional rootlets. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (SUBSOIL) D 0.60 (0.45) (0.45) Orangish brown slightly clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse angular to subangular limestone. (WHITE LIMESTONE FORMATION) Orangish under sare angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
/ Test Type Deptin (m) Result Level (mAoD) Deptin (midness) Ease of Dig Description of Strata - - - (0.20) E Soft dark brown slightly silty slightly gravelly CLAY with rare cobbles and occasional rootlets. Gravel is fine to coarse subangular to subrounded limestone and quartzite. ES - 0.30 - (0.20) E D - 0.50 - (0.45) Soft reddish brown slightly silty slightly gravel CLAY with rare rootlets and rare to occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. D - 0.60 - (0.45) Orangish brown slightly clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular limestone. D - 0.90 112.06 0.85 (0.45) B - 1.20 - - - H - - - - - WHITE LIMESTONE FORMATION) Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE FORMATION) -	1.3	30m
ES 0.30 - (0.20) E occasional rootlets. Gravel is fine to coarse subangular to subrounded limestone and quartzite. D 0.50 - (0.20) 112.51 0.40 LB 0.60 - (0.45) Soft reddish brown slightly silty slightly gravelly CLAY with rare rootlets and rare to occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. D 0.60 - (0.45) Orangish brown slightly clayey GRAVEL with frequent cobbles and rare boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular limestone. D 0.90 112.06 0.85 (WHITE LIMESTONE FORMATION) B 1.20 111.61 1.20 (WHITE LIMESTONE FORMATION)	Legend	GW
		GW

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Stable

 Remarks:
 Terminated at 1.30m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

TRIA	_ PIT	LOG					TP	143					
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21					
Client		Albion La	nd Ltd			Sheet		1 of 1					
Date	04/06/2021		04/06/2021		04/06/2021			Scale	1:2				
Ground	nd Level 113.25m AOD		113.25m AOD		vel 113.25m AOD		rel 113.25m AOD				E 455163.30 N 228764.64 Total Depth	0.90m	
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW					
ES	- 0.10 - -		113.00	(0.25) 0.25	E	Soft to firm dark brown slightly silty slightly gravelly CLAY with occasional cobbles and frequent rootlets. Gravel is fine to coarse angular to subrounded limestone and quartzite. Cobbles are angular to subrounded limestone and quartzite. (TOPSOIL)							
D	- 0.50			(0.65)	M/H	Orangish brown slightly clayey GRAVEL with frequent cobbles and rare to occasional boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)	م م م م م م م م م م م م م م	े व 					
В	- 0.80 - 		 112.35	0.90		At 0.90m bgl: moderately strong LIMESTONE - unable to penetrate. End of Trial Pit at 0.90m		9 					
	_		-										
	-		-										
	- -		-										
	_		-										
	_		-										
	_		-										
	_		-										
	_												
	-		-										
	 		-										
	_		-										
			-										
	_		_										
			· · · · · ·										

Method: Wheeled backhoe excavator. Length: 2.30m Groundwater: Groundwater not encountered. Width: 0.60m Stability: Stable Remarks: Terminated at 0.90m bgl due to competent rock strength strata. Trial pit backfilled with arisings on Logged: KM completion. Checked: AS

TRIA	L PIT	LOG					TP	144
Project		Land adja	icent to .	Junction	10, M40	, Ardley Project No.	AG326	8-21
Client		Albion La	nd Ltd			Sheet	1	l of 1
Date		04/06/202	21			Scale		1:25
Ground	Level	112.68m /	٩OD	Coo	rdinates	s E 455176.76 N 228691.93 Total Depth	0.50m	
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
Type ES B D	(m) 0.05 0.40 0.40 0.40 - - - - - - - - - - - - -		(mAoD)	(0.15) 0.15 (0.35)	of Dig	Soft to firm dark brown slightly gravelly CLAY with occasional cobbles and occasional to frequent rootlets. Gravel is fine to coarse angular to subrounded limestone and quartzite. Cobbles are angular to subrounded limestone and quartzite. (TOPSOIL) Orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION) At 0.50m bg!: moderately strong LIMESTONE - unable to penetrate. End of Trial Pit at 0.50m		

Method: Wheeled backhoe excavator.	Lenath: 2.00m
Groundwater: Groundwater not encountered.	- 3
Stability: Stable	Width: 0.60m
Remarks: Terminated at 0.50m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
·	Checked: AS

TRIAL	_ PIT	LOG						ТР	145
Project		Land adja	acent to .	Junction	10, M40	, Ardley Pro	oject No.	AG326	68-21
Client		Albion La	nd Ltd			She	eet		1 of 1
Date		04/06/202	21			Sca	ale		1:25
Ground	Level	112.77m	AOD	Coo	rdinates	E 455176.45 N 228627.08 Tot	al Depth	1	.55m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strat	а	Legend	GW
ES	0.15 		112.52	(0.25)	E	Soft to firm dark brown slightly gravelly slightly s cobbles and occasional to frequent rootlets. Gra subrounded quartzite and limestone. Cobbles an limestone. (TOPSOIL)	avel is fine to coarse angular to re angular to subrounded		
LB	- - - 0.70			(0.85)	М	Light orangish brown slightly clayey GRAVEL wi fine to coarse angular to subangular limestone. subangular limestone. (WHITE LIMESTONE FORMATION)	th frequent cobbles. Gravel is Cobbles are angular to		
D	- - - 1.20		 111.67- 111.47-	(0.20)	M/H	Light creamy brownish white clayey GRAVEL wi boulders. Gravel is fine to coarse angular to sub and boulders are angular to subangular tabular	angular limestone. Cobbles		
D	- 1.40 			(0.25)	н/∨н	WHITE LIMESTONE FORMATION) Moderately strong thinly bedded fossiliferous LII gravel, cobbles and boulders. Gravel, cobbles a subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.55	MESTONE recovered as and boulders are angular to		
	- - -								

 Method:
 Wheeled backhoe excavator.

 Groundwater:
 Groundwater not encountered.

 Stability:
 Stable

 Remarks:
 Terminated at 1.55m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.

 Logged:
 KM

 Checked:
 AS

TRIA	L PIT	LOG					TP	146		
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21		
Client		Albion La	nd Ltd			Sheet		1 of 1		
Date	04/06/2021		04/06/2021				Scale		1:25	
Ground	und Level 112.52m AOD		d Level 112.52m AOD		112.52m AOD		rdinates	E 455173.54 N 228556.52 Total Depth	1	.80m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW		
ES	- 0.10 - -		112.27	(0.25) 0.25	E	Soft to firm dark brown slightly slity slightly gravelly CLAY with frequent rootlets and occasional to frequent cobbles. Gravel is fine to coarse angular to subrounded quartzite and limestone. Cobbles are angular to subrounded quartzite and limestone. (TOPSOIL) Dark orangish brown slightly clayey GRAVEL with frequent cobbles and rare				
D	 - 0.60 -			(0.65)	M H/VH	boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)				
D	1.00 		111.62-	0.90 (0.60)	M/H	Light creamy orangish brown slightly clayey GRAVEL with frequent cobbles and rare to occasional boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)				
D LB	- - 1.60 - 1.70		 111.02- 110.72-	1.50 (0.30) 1.80		Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders. Gravel, cobbles and boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)				
						End of Trial Pit at 1.80m				

Groundwater: Groundwater not encountered. Stability: Stable	Width:	
Stability: Stable	Width [.]	
		0.60m
Remarks: Terminated at 1.80m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	AS

TRIA	_ PIT	LOG					ТР	147
Project		Land adja	icent to .	Junction	10, M40	, Ardley Project No.	AG326	38-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		03/06/202	21			Scale		1:25
Ground	Level	111.06m A	AOD		rdinates	E 455175.46 N 228478.51 Total Depth	1	.40m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- - 0.30 - -		- 110.81 110.66- -	(0.25) 0.25 (0.15) 0.40	E E/M	Soft dark brown slightly slity slightly gravelly CLAY with frequent rootlets and occasional cobbles. Gravel is fine to coarse angular to subrounded limestone. Cobbles are angular to subrounded limestone. (TOPSOIL) Dark reddish brown gravelly CLAY with occasional cobbles. Gravel is fine to coarse angular to subrounded limestone. Cobbles are angular to subrounded limestone. (SUBSOIL)		
D	- - - 0.90 -			(1.00)	M/H	Light yellowish brown clayey GRAVEL with frequent cobbles and rare to occasional boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)		
D LB	- 1.30 _ 1.30			1.40		At 1.40m bgl: moderately strong LIMESTONE - unable to penetrate.		े व
						End of Trial Pit at 1.40m		

Method: Wheeled backhoe excavator.	Length:	2.50m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 1.40m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked	: AS

TRIAL PI	LOG			TP148	8
Project	Land adjacent to	Junction 10, N	0, Ardley Project No.	AG3268-2	21
Client	Albion Land Ltd		Sheet	1 of	1
Date	03/06/2021		Scale	1:2:	25
Ground Leve	Ground Level 112.10m AOD		es E 455204.31 N 228773.77 Total Depth	2.20n	m
Sample / Test Type (m)		Strata Depth (thickness) (m) of D	Description of Strata	Legend GW	v
ES - 0.2 D - 0.4	111 75	(0.20)	Soft to firm dark brown slightly gravelly slightly silty CLAY with occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are angular to subrounded limestone and quartzite. (TOPSOIL) Firm dark reddish brown slightly silty slightly gravelly CLAY with occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone and quartzite. Cobbles are angular to subrounded limestone and quartzite. (SUBSOIL) Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to subrounded limestone. Cobbles are angular to subangular limestone.		
D - 1.1) 1110.75	(0.80) M/ł	subangular limestone. (WHITE LIMESTONE FORMATION) Light orangish brown slightly clayey to clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular tabular fossiliferous limestone.		
D - 1.8	-	(0.85) H	(WHITE LIMESTONE FORMATION)		
B - 2.1		2.20	At 2.20m bgl: moderately strong LIMESTONE - unable to penetrate. End of Trial Pit at 2.20m		

Groundwater: Groundwater not encountered.	Length:	2.50m
Stability: Stable	Width:	0.60m
Remarks: Terminated at 2.20m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.		KM
	Checked	: AS

LOG			TP	149
Land adjacent to	Junction 10, M40), Ardley Project No .	AG326	8-21
Albion Land Ltd		Sheet	1	of 1
03/06/2021		Scale		1:25
Ground Level 111.33m AOD		s E 455226.62 N 228697.59 Total Depth	2	.15m
Result (mAoD)	Strata Depth Ease (thickness) of Dig	Description of Strata	Legend	GW
-	(0.25) E 0.25 (0.30) E/M 0.55	frequent to occasional rootlets. Gravel is fine to coarse angular to subrounded limestone and quartzite. Cobbles and boulders are angular to subrounded limestone and quartzite. (TOPSOIL) Soft to firm dark reddish brown slightly gravelly slightly silty CLAY with occasional cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are angular to subangular limestone. (SUBSOIL) Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is		
- 110.3 3 - - - - - -		fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Light yellowish orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles and rare boulders are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)		
	2.15	At 2.15m bgl: moderately strong LIMESTONE - unable to penetrate. End of Trial Pit at 2.15m		
	Land adjacent to Albion Land Ltd 03/06/2021 111.33m AOD Result Level (mAoD) 111.08 111.78 110.78	Land adjacent to Junction 10, M40 Albion Land Ltd 03/06/2021 111.33m AOD Coordinates Result Level Strata (mAoD) (m) (blockness) e of Dig (m) (blockness) (m) (blockness) (m) (0.25) E 111.08 0.25 E 111.08 0.25 E (0.30) E/M 110.78 0.55 M 110.33 1.00 (0.45) M 110.33 1.00 (0.45) M	Land adjacent to Junction 10, M40, Ardley Project No. Albion Land Ltd Sheet 03/06/2021 Scale 111.33m AOD Coordinates E 455226.62 N 228697.59 Total Depth Result Level (mAoD) Strate (mAoD) Description of Strata 0.25 E Dark brown soft slightly gravelly slightly silty CLAY with occasional cobbles and frequent to occasional rootlets. Gravel is fine to coarse angular to subrounded limestone and quartzite. (TOPSOIL) 110.78 0.25 E (0.45) M E/M (0.45) M E/M (0.45) M Unestone. (SUBSOIL) Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. (SUBSOIL) Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. (SUBSOIL) Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. (SUBSOIL) 110.78 (1.15) 110.78 A 110.79 A 110.79 A 110.79 A 110.79 A 110.79 A	Land adjacent to Junction 10, M40, Ardley Project No. AG326 Albion Land Ltd Sheet 10 03/06/2021 Scale 111.33m AOD Coordinates E 455226.62 N 228697.59 Total Depth 2 Result Level (mAoD) Other (mAoD) Ease (mAoD) Description of Strata Legend 111.03 0.25 Dark brown soft slightly gravelly slightly silty CLAY with occasional cobbles and frequent to occasional rootlets. Gravel is fine to coarse angular to subrounded limestone and quartzite. (TOPSOIL) Soft to firm dark reddish brown slightly gravelly slightly silty CLAY with occasional cobbles. Gravel is fine to coarse angular to subrounded limestone. Cobbles are angular to subrounded limestone. Cobbles. Gravel is fine to coarse angular to subrounded limestone. Cobbles are angular to subangular limestone. (SUBSOIL) 110.78 0.455 M Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. (WHITE LIMESTONE FORMATION) Image: Coarse angular to subangular limestone. (WHITE LIMESTONE FORMATION) 110.33 1.00 (1.15) M/H At 2.15m bgl: moderately strong LIMESTONE - unable to penetrate.

Method: Wheeled backhoe excavator.	Length:	2.30m
Groundwater: Groundwater not encountered.		
Stability: Stable	Width:	0.60m
Remarks: Terminated at 2.15m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	КМ
	Checked	: AS
	L	

TRIAL	_ PIT	LOG					ТР	150
Project		Land adja	cent to .	lunction	10, M40	, Ardley Project No.	AG326	8-21
Client		Albion La	nd Ltd			Sheet		l of 1
Date		19/05/202	21			Scale		1:25
Ground	Level	111.12m A	AOD	Coo	rdinates	E 455221.87 N 228620.36 Total Depth	1	.90m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- - 0.20 -			(0.35) 0.35	E	Soft dark brown slightly slity slightly gravelly CLAY with frequent rootlets and rare to occasional cobbles. Gravel is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (TOPSOIL) Soft reddish brown slightly slity slightly gravelly CLAY with rare cobbles. Gravel		
	_		-	(0.35)	E	is fine to coarse subangular to subrounded quartzite and limestone. Cobbles are subangular to subrounded limestone. (SUBSOIL)		
D	- - 0.80 -		110.42-	0.70 (0.40)	м	Light orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse subangular to subrounded limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)	۲۰ - ۲۰ - ۲۰ ۰ - ۲۰ - ۲۰ - ۲۰ ۰ - ۲۰ - ۲۰ - ۲۰ ۰ - ۲۰ - ۲۰ - ۲۰ - ۲۰ - ۲۰ - ۲۰ - ۲۰ -	
D	- - 1.20		110.02-	1.10	-	Creamy yellowish white slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are subangular tabular limestone.	<u>بَنْ، فَبْعَ، مَنْ</u> <u>بَنْ، فَحْم، مَنْ</u> بَنْ قَحْم، مَنْ	
	-			(0.50)	M/H	(WHITE LIMESTONE FORMATION)		
B D	- 1.70 - 1.80		100.02	(0.30) 1.90	H/VH	Moderately strong thinly bedded creamy brownish white fossiliferous LIMESTONE recovered as gravel, cobbles and boulders of fine to coarse angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION)		
						End of Trial Pit at 1.90m		

Method: Wheeled backhoe excavator.	Length:	2.20m
Groundwater: Groundwater not encountered.		
Stability: Stable.	Width:	0.60m
Remarks: Terminated at 1.90m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.		KM
	Checked	: AS

TRIAL	_ PIT	LOG					TP	151
Project		Land adja	acent to .	Junction	10, M40	, Ardley Project No.	AG326	68-21
Client		Albion La	nd Ltd			Sheet		1 of 1
Date		03/06/202	21			Scale		1:25
Ground	Level	110.70m	AOD		rdinates	E 455219.48 N 228552.43 Total Depth	1	.85m
Sample / Test Type	Depth (m)	Result	Level (mAoD)	Strata Depth (thickness) (m)	Ease of Dig	Description of Strata	Legend	GW
ES	- 0.10 - - 0.40 -			(0.20)	E M	Soft dark brown slightly slightly gravelly CLAY with occasional cobbles and occasional to frequent rootlets. Gravel is fine to coarse angular to subrounded quartzite and limestone. Cobbles are angular to subrounded limestone and quartzite. (TOPSOIL) Dark orangish brown slightly clayey GRAVEL with frequent cobbles. Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION)		
D	- - - - - - -			(1.30)	H/VH	Light orangish brown clayey to very clayey GRAVEL with frequent cobbles. Cobbles and boulders are angular to subangular tabular fossiliferous limestone. (WHITE LIMESTONE FORMATION)		
B D	- 1.70 - 1.70 		- - 108.85 - - - -	1.85		At 1.85m bgl: moderately strong LIMESTONE - unable to penetrate. End of Trial Pit at 1.85m		
	- - -							

Method: Wheeled backhoe excavator.	Length:	2.40m
Groundwater: Groundwater not encountered.	Width:	0.60m
Stability: Stable	width.	0.0011
Remarks: Terminated at 1.85m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged:	KM
	Checked:	AS

TRIAL PIT	LOG			TP	152
Project	Land adjacent to	Junction 10, M40), Ardley Project No.	AG326	58-21
Client	Albion Land Ltd		Sheet		1 of 1
Date	03/06/2021		Scale		1:25
Ground Level	109.23m AOD	Coordinate	s E 455228.25 N 228484.80 Total Depth	1.90m	
Sample / Test Type (m)	Result Level (mAoD)	Strata Depth (thickness) (m) of Dig	Description of Strata	Legend	GW
ES - 0.30 - - - -	108.98 	(0.25) E 0.25 (0.30) E	Soft to firm dark brown slightly gravelly slightly silty CLAY with occasional cobbles. Gravel is fine to coarse angular to subrounded quartzite and limestone. Cobbles are angular to subrounded limestone. (TOPSOIL) Soft to firm reddish brown slightly silty slightly gravelly CLAY. Gravel is fine to coarse angular to subangular limestone. Occasional cobbles of angular to subangular limestone. (SUBSOIL) Orangish brown slightly clayey to clayey GRAVEL with frequent cobbles.		
D - 0.80 LB - 0.90 - - - - -	- 108.1 3 - -	(0.55) M 1.10 (0.60)	Gravel is fine to coarse angular to subangular limestone. Cobbles are angular to subangular limestone. (WHITE LIMESTONE FORMATION) Light orangish brown slightly clayey slightly sandy GRAVEL with frequent cobbles and rare to occasional boulders. Gravel is fine to coarse angular to subangular limestone. Cobbles and boulders of angular to subangular tabular fossiliferous limestone.		بەملىمە لەم لەم. لەم. لەم.
D - 1.60 D - 1.70 B - 1.80 		1.70 (0.20)	WHITE LIMESTONE FORMATION) Moderately strong thinly bedded creamy brown fossiliferous LIMESTONE recovered as gravel, cobbles and boulders. Gravel, cobbles and boulders are angular to subangular tabular limestone. (WHITE LIMESTONE FORMATION) End of Trial Pit at 1.90m		

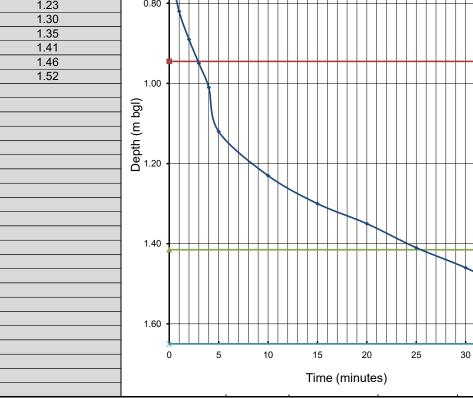
Method: Wheeled backhoe excavator.	Length: 2.30m
Groundwater: Groundwater not encountered.	Width: 0.60m
Stability: Stable	width. 0.00m
Remarks: Terminated at 1.90m bgl due to competent rock strength strata. Trial pit backfilled with arisings on completion.	Logged: KM
	Checked: AS

	Sample Notation		Backfill Symbols	L	egend Symbols
D	Small Disturbed sample		Sand	X//XX//X	Topsoil
6	Bulk Disturbed sample		Gand		100301
S	Environmental sample	· · · · · · · · · · · · · · · · · · ·	Crouol	\times	Made Ground
	Undisturbed U100 sample	· · · · · · · ·	Gravel	\times	Made Ground
JT	Undisturbed UT100 sample	29.2522.252	0 mm to	$\chi_{\rm SC} = \chi_{\rm SC} \chi_{\rm SC} = \chi_{\rm SC} \chi_{\rm SC}$	a
2	Core sample		Concrete		Concrete
v	Water sample				
			Bentonite		Clay
	In Situ Test Notation		Arisings	$\times \times \times \times \times$	Silt
	Standard Penetration Test			$\langle \times \times \times \times \rangle$	
6 (C)	Standard Penetration Test (cone)		Grout		Sand
IV	Hand Shear Vane Test		Croat		Cana
DID	Photoionization Detector Test				Gravel
IEXE	Mexecone Cone Penetrometer Test	In	stallation Symbols		
P	Pocket Penetrometer Test		Plain Standning	ماند ماند ماند	Peat
Ĺ	Permeability Test		Plain Standpipe	is site site s	real
			Slotted Standpipe		Cobbles
	Results Notation			° ~ ° ° ° °	
u	Shear Strength kN/m ²		Piezometer	$0^{\prime}0^{\circ}$	Boulders
	SPT N Value -			$\forall \land \forall \circ$	
D	VOC Concentration ppm		Vibrating Wire Piezometer		Mudstone
	U/UT Blow Count -	•			
			Inclinometer	$\begin{array}{c} \times \times \times \times \times \times \times \times \\ \times \times \times \times \times \times \times \end{array}$	Siltstone
	Rotary Core Notation			* * * * * * * *	
CR	Total Core Recovery		Extensometer	· · · · · · · ·	Sandstone
CR	Solid Core Recovery	/ \	(with magnet locations)		
QD	Rock Quality Designation				Limestone
1	Fracture Index	G	roundwater (GW)		
	Fracture Spacing		Rise		Chalk
I	Non Intact			I. I. I.	-
R	No Recovery		Groundwater Strike -		Coal
A	Not Applicable		with Recorded Rise		
]		$\langle \dot{\nabla} \dot{\nabla} \dot{\nabla} \dot{\nabla} \dot{\nabla} \dot{\nabla} \dot{\nabla} \dot{\nabla}$	Breccia
	Ease of Dig		Strike		
Έ	Very Easy			00000	Conglomerate
	Easy		Groundwater Strike -	00000	
1	Moderate		No Recorded Rise		Shale
	Hard				
н	Very Hard			++++	Igenous Rock
		L Netes			-
		I Notes			Metamorphic Ro
	f the standpipe/piezometer are given on the log. The 'llepth of instruments including slotted section or piezom			NR NR	
g ut		, and buoking			No Recovery
	Penetration Test is defined in BS EN ISO 17892. Tota references, water and casing levels shown on the SPT		ne logs, full details of the test increments,	NR NR	
hueut	cerences, water and casing levels shown on the SPT	Summary Sheet.		Note: Most soils	s comprise a mix
				11010. 10031 3013	

Note: Most soils comprise a mixture of particle sizes. The soil type is graphically represented on the log and may be a combination of these symbols.



	Trial Pit No.	TP38A	Filling		1 of 1	
Date		02/06/2021	Trial Pit Length	(m)	2.50	
Operator		MM	Trial Pit Width	(m)	0.60	
Test Strata		White Limestone Formation	Trial Pit Depth	(m)	1.65	
Stability of pit		Stable	Amount of Backfill p	0		
Backfill used		None	Assumed Backfill Vo	oid Ratio	N/A	
Time (Minutes)	Water level (m.bgl)					
0	0.71	0.60	 			
1	0.82					
2	0.89					
3	0.95				Max effective d	epth
4	1.01					•
5	1.12					
10	1.23	0.80				
15	1.30	I IN				
20	1.35					
25	1.41					
30	1.46	▌ ▕<u></u>▋┤┤<u>╄</u>╎┤			7	'5%
35	1.52	1.00				



Initial Water Level (m)	0.71	Total internal surface area of pit (m ²)	11.73
Final Water Level (m)	1.52	Internal surface area of trial pit within effective depth range (m ²)	4.41
Change in Water Level (m)	0.81	Volume outflowing between 75% and 25% effective depth (m ³)	0.71
Effective Depth at 25% (tp25) (m)	1.42	Time at 25% (tp25) (minutes)	25.5
Effective Depth at 75% (tp75) (m)	0.95	Time at 75% (tp75) (minutes)	3

Soil Infiltration Rate (m/s)

1.18E-04

 Notes:
 1.
 Undertaken in general accordance with BRE DG 365 method

 2.
 Based on extrapolated data
 NO

 Client:
 Albion Land Ltd

 Project:
 Land adjacent to Junction 10, M40, Ardley

 Project No.
 AG3268-21

APPLIED GEOLOGY

25%

 Empty

35

	Trial Pit No.	TF	972A								Fi	lling	9				1	of 1	
Date		02/0	6/202	!1						Tria	al Pit	Leng	ıth (n	ו)			2	.05	
Operator			KM							Tri	al Pit	Wid	th (m)			0	.60	
Test Strata		White For	Limest							Tri	al Pit	Dep	th (m	I)			1	.90	
Stability of pit		s	table						Am	ount	of Ba	ackfill	plac	ed (n	n)			0	
Backfill used		١	lone						Ass	sume	ed Ba	ckfill	Void	Rati	0		١	N/A	
Time (Minutes)	Water level (m.bgl)																		
0.5	0.95	0.60																	
1	1.20	_																	
1.5 2	<u>1.31</u> 1.40	-																	
2.5	1.40	0.80					_	_	_				_			_		_	
3	1.53																		
3.5	1.60	_																	
4 5	1.65 1.70	-														N	lax eff	ective	e depth
6	1.73	1.00	$\mathbf{\Lambda}$																
7	1.75																		
<u>8</u> 10	1.80 1.90	—																	
10	1.90	Depth (m bgl)	+	$\mathbf{+}$			+		-							+		-	75%
		<u>ل</u>																	
		ept			X														
		1.40					-		-							-			
		_																	
		1.60																	
																			25%
			T								$ \downarrow $							T	2070
		-											+						
		1.80					+	-	+				-		\rightarrow	$\overline{}$		-	
																	\succ		
		_	0							5								10	Empt
		_							Tim	e (r	ninu	tes)							
												-				1			
Initial Water Leve	el (m)	().95				nterna										1	1.30	
Final Water Leve	el (m)		1.90				l surfa ange			of tri	al pit	withi	n effe	ective	•		3	.75	
Change in Water	r Level (m)	().95				e outfl ve dep			twee	n 75°	% an	d 259	%			0	.58	
Effective Depth a	at 25% (tp25) (m)		1.66		Ti	me a	t 25%	o (tp2	25) (n	ninut	es)						4	4.3	
Effective Depth a	at 75% (tp75) (m)		1.19		Ti	me a	t 75%	o (tp7	75) (n	ninut	es)						0	.95	
	Soil Infiltr	ation Rate	e (m/:	s)							7.7	6E-0)4			Ī			
Notes:	 Undertaken in general accordan Based on extrapolated data 	ce with BRE [NO	DG 365	metho	bd											-			
	2. Based on extrapolated data Albion Land Ltd	UNI																	
Project:	Land adjacent to Junction 1	0, M40, A	rdlev							P	P		Fr		GF	EO			G
																			and the second se

	Trial Pit No.	TP88A			Fil	lling				1	of 1
Date		02/06/2021	_		Trial Pit	Length ((m)			2	2.15
Operator		MM White Limestone	-		Trial Pit	Width (m)			C	.60
Test Strata		Formation	-		Trial Pit	Depth (m)			1	.45
Stability of pit		Stable	-		unt of Ba						0
Backfill used		None		Ass	umed Ba	ckfill Vo	id Rat	io		1	N/A
Time (Minutes)	Water level (m.bgl)										
0	0.45	0.40								\top	
2	0.50								+ + №	lax ef l	ectiv e dept
3	0.50										
<u>4</u> 5	0.51										
10	0.55	0.60		+			+	_	\vdash	+	
15	0.60										
20 25	0.60								\square	+-	75%
30	0.62										
45	0.69										
60	0.72	0.80									
85	0.76	Depth (m bgl)									
<u> 100 </u> 160	0.80	E									
220	1.02	oth (
285	1.10	0 1.00		\square					\vdash	_	
355	1.16				\mathbb{N}						
									L .		
		1.20									25%
Notes: Ground	dwater seepage at 1.40m bgl.										
		1.40							\vdash	+	
		<u>* </u>									Empt
		0 60	120	180	240	300		360	4	420	
				Time	e (minu	tes)					
nitial Water Lev	/el (m)	0.45	Total interna	l surface a	irea of pi	t (m²)				9	.27
Final Water Lev	el (m)	1.22	Internal surfa depth range		f trial pit	within ef	ffectiv	е		4	.04
Change in Wate	er Level (m)	0.77	Volume outfl effective dep		ween 759	% and 2	5%			0	.65
Effective Depth	at 25% (tp25) (m)	1.20	Time at 25%	(tp25) (m	inutes)*					2	130
Effective Depth	at 75% (tp75) (m)	0.70	Time at 75%	(tp75) (m	inutes)						50
	Soil Infiltra	tion Rate (m/s)			7.0	0 E-06			*		
Notes	 Undertaken in general accordance Based on extrapolated data 	e with BRE DG 365 metho <mark>Yes</mark> *	d								
Client:	Albion Land Ltd										
Project:	Land adjacent to Junction 10	, M40, Ardley		A	PP	LiE	D	GI	EO	L	DG

t No.	TP	121/	4]						Fil	ling					1	of	1
	02/0	6/202	1						Tria	l Pit I	_engt	h (m)				2.65	,
									Tria	l Pit	Width	n (m))				0.85	;
									Tria	l Pit	Depth	n (m)				1.70	1
	s	table					ļ	Amoi	unt c	of Ba	ckfill p	olace	ed (r	n)			0	
	Ν	lone						Assı	umeo	d Bao	kfill \	/oid	Rati	0			N/A	
	0.60	-																
1.02 1.17 1.25																		
1.44 1.62 1.70	0.80														+			
															+	Max (effectii	⁄e depth
	1.00																	
	— ш) н														\square			75%
	1.40																	
															+		-	25%
	1.60						_									\downarrow		
		0		1		2		Γime	3 3	inut	es)	4	<u> </u>		5			K Empty 6
).93		Total	l inte	rnal	surfa	ace a	area	of pit	(m ²)				<u> </u>		14.15	5
		.70		dept	h ran	nge (m²)			-				Ð			4.95	
hange in Water Level (m)					tive	dept	h (m [:]	3)			6 and	25%	6				0.87	
ffective Depth at 25% (tp25) (m) ffective Depth at 75% (tp75) (m)																	4.3	
					, at 1	570	, τρ / Ο	7 (111				<u> </u>			 T		-1.7	
taken in general accor	dance with BRE [ł			<u> </u>			1.14	03	,			1			
							1											
and Ltd																		
	Ater level (m.bgl) 0.93 1.02 1.17 1.25 1.44 1.62 1.70 	02/0 White I White I S N Ater level (m.bgl) 0.93 1.02 1.17 1.25 1.44 1.62 1.70 0.80 1.02 1.17 1.25 1.44 1.62 0.80 1.00 Soil Infiltration Rate taken in general accordance with BRE D	O2/06/202 MM White Limest Formation Stable None Iter level (m.bgl) 0.93 1.02 1.17 1.25 1.44 1.62 1.70 0.80 1.02 1.17 1.25 1.44 1.62 1.70 0.80 0.93 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 0.93 1.10 0.93 1.10 0.93 1.10 0.93 1.70 0.93 1.70 0.93 1.70 0.93 1.70 0.1.12 Soil Infiltratio	O2/06/2021 MM White Limestone Formation Stable None Iter level (m.bgl) 0.93 1.02 1.17 1.25 1.44 1.62 1.70 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.91 1.00 0.93 1.60 0.93 1.70 0.93 1.70 0.93 1.70 0) 0.77 225) (m) 1.51 75) (m) 1.51 750 (m) 1.51	02/06/2021 MM White Limestone Formation Stable None None ter level (m.bgl) 0.93 1.02 1.17 1.25 1.44 1.62 1.70 1.70 1.70 1.60 1.10 1.10 1.17 1.25 1.44 1.60 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.11 1.12 1.12 1.11 1.12	02/06/2021 MM White Linestone Formation Stable None ter level (m.bgl) 0.93 1.02 1.17 1.25 1.44 1.62 1.70 0.80 0.80 0.80 0.80 0.80 0.80 1.02 1.17 1.25 1.40 0.80 1.00 1.01 1.02 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.11 1.12 1.12 1.12 1.11 <	02/06/2021 MM White Limestone Stable None ter level (m.bgl) 0.93 1.02 1.17 1.25 1.44 1.62 1.70 1.62 1.70 1.62 1.70 1.62 1.70 1.60 0.80 1.20 1.10 1.10 1.17 1.25 1.44 1.62 1.70 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.10 1.112 Time at 75% Soil Infiltration Rate (m/s)	02/06/2021 MM White Limestone Formation Stable None	02/06/2021 MM White Limestone Formation Stable None ter level (m.bgl) 0.93 1.02 1.17 1.25 1.44 1.62 1.70 0.80 1.02 1.17 1.25 1.44 1.62 1.70 0.80 1.00 1.17 1.25 1.44 1.62 1.70 1.40 1.50 1.50	02/06/2021 Trial Mhite Limestone Trial White Limestone Trial Stable Amount of Amount of Assumed 1.02 0.60 1.17 1.25 1.44 1.62 1.70 0.60 1.02 1.01 1.03 0.60 1.17 1.25 1.44 1.62 1.70 0.80 1.00 1.00 1.01 1.02 1.02 1.01 1.03 1.02 1.04 1.02 1.05 1.20 1.00 1.01 1.01 1.02 1.02 1.01 1.03 1.02 1.04 1.00 1.05 1.2 1.00 1.2 1.01 1.02 1.02 1.01 1.03 1.02 1.04 1.01 1.05 1.01 1.06 1.2 1.07 1.02<	02/06/2021 Trial Pit MM Trial Pit Trial Pit Trial Pit Trial Pit Trial Pit Amount of Baa Assumed Baa ter level (m.bgl) 0.60 0.93 0.60 1.17 1.25 1.44 1.62 1.70 0.60 1.00 0.60 1.00 0.60 1.17 1.25 1.44 1.62 1.70 0.60 1.00 0.60 1.00 0.60 1.00 0.60 1.00 0.70 1.00 0.70 1.00 0.93 1.00 1.00 0.93 Total Internal surface area of pit 1.70 Internal surface area of trial pit 1.70 0.77 Volume outflowing between 759 offective depth (m ⁵) 0.77 Volume outflowing between 759 offective depth (m ⁵) 1.12 Time at 25% (tp25) (minutes) 1.12 Time at 75% (tp75) (minutes) 1.12 <td>02/06/2021 Trial Pit Length Trial Pit Lingth Trial Pit Length Stable Amount of Backflll Stable None tter level (m.bgl) 0.60 0.70 0.60 1.70 0.60 1.70 0.60 0.80 0.60 1.70 0.60 0.60 0.60 0.60 0.60 0.77 0.60 1.70 1.60 0.93 Total internal surface area of trial pit within depth range (m²) 0.93 Total internal surface area of trial pit within depth range (m²) 0.93 1.70 1.70 1.71 1.70 1.72 1.70 1.73 1.70 1.74 1.70 1.75 1.70 1.70 1.70 1.70 1.70 1.70 1.70 1.70 1.70 1.70 1.70 1.70 1.70 1.70 1.70 1.70 1.70 1.70 <tr< td=""><td>02/06/2021 Trial Pit Length (m Trial Pit Limestone Trial Pit Uridith (m Trial Pit Depth (m Amount of Backfill Void 0.93 0.00 1.02 0.00 1.12 0.00 1.12 0.00 1.12 0.00 1.12 0.00 1.12 0.00 1.12 0.00 1.12 0.00 1.12 0.00 1.12 0.00 1.10 0.00 0.01 0.01 0.02 0.01 1.00 0.03 1.00 0.03 1.00 0.07 Volume outflowing between 75% and 25% effective depth (m[*]) 25) (m) 1.12 1.12 Time at 75% (tp75) (minutes) Soil Infiltration Rate (m/s) 1.12E-03</td><td>02/06/2021 Trial Pit Length (m) Trial Pit Length (m) Trial Pit Width (m) Trial Pit Width (m) Trial Pit Ucght (m) Trial Pit Depth (m) Amount of Backfill placed (r Assumed Backfill Void 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0.00 1.12 0.00 1.12 0.00 1.12 0.00 1.10 0.00 0.01 0.01 0.02 0.01 1.00 0.03 1.00 0.03 1.00 0.07 Volume outflowing between 75% and 25% effective depth (m [*]) 25) (m) 1.12 1.12 Time at 75% (tp75) (minutes) Soil Infiltration Rate (m/s) 1.12E-03	02/06/2021 Trial Pit Length (m) Trial Pit Length (m) Trial Pit Width (m) Trial Pit Width (m) Trial Pit Ucght (m) Trial Pit Depth (m) Amount of Backfill placed (r Assumed Backfill Void Rati Amount of Backfill placed (r) 1.17 1.25 1.40 0.60 0.03 0.00 1.70 0.60 0.80 0.60 1.70 0.60 0.80 0.60 1.70 0.60 0.80 0.60 1.70 0.60 0.80 0.60 1.70 0.70 0.81 0.83 1.70 0.71 1.80 0.72 1.70 1.70 1.70 1.70 0.93 Total Internal surface area of pit (m ²) 1.70 1.70 0.77 Volume outflowing between 75% and 25% effective depti (m ³) 1.70 1.71 1.70 1.12 Time at 75% (tp75) (minutes) 75) (m) 1.12 1.12 1.12E-03	02/06/2021 Trial Pit Length (m) Trial Pit Length (m) Trial Pit Width (m) Trial Pit Uopth (m) Trial Pit Uopth (m) Amount of Backfill placed (m) Assumed Backfill Void Ratio 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	Trial Pit No.	TI	P13	6								F	illi	ing					Γ		1	of	1
Date		02/0)6/20	21							Tria	al P	it Le	engt	h (n	n)					2	.50	
Operator		White	MM	store							Tri	al F	Pit V	Vidtł	ח (m	I)					0	.75	
Test Strata			matic								Tri	al P	Pit D	epth	ח (m	ı)					1	.75	
Stability of pit		s	table	•						Amo	ount	of E	Bac	kfill j	plac	ed	(m))				0	
Backfill used		١	lone							Ass	ume	ed B	Back	cfill \	/oid	Ra	atio				١	N/A	
Time (Minutes) 0 1	Water level (m.bgl) 0.50 0.65	0.40	1																				
2	0.72	_																	\downarrow	- M	ax eff	ectik	⁄e depth
<u>4</u> 5	0.84	-																					
6	0.87	0.60										-			+				+			\square	
7 8	0.88	_	T																				
9	0.89	_	1																				
10	0.90	0.80	-						++										+			-	75%
15	0.96	_																					10%
<u> </u>	1.12 1.29	_																					
75	1.34																						
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130 145	1.44																						
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		1.60															1		1				
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		_	<u>↓</u> 0	<u> </u>	20		40		60		80	<u> </u> ו		100		1	20		1	40		16	Empt
			•							Tim			ute				20						
														î.									
nitial Water Lev	vel (m)	(0.50			Tota	al int	erna	l sur	face	area	ı of	pit ((m²)							1:	3.25	5
Final Water Lev	rel (m)		1.75						ace a (m²)	irea (of tria	al p	it w	ithin	effe	ecti	ve				5	.94	
Change in Wate	er Level (m)		1.25						lowin oth (n		wee	en 7	5%	and	25	%					1	.17	
Effective Depth	at 25% (tp25) (m)		1.44			Tim	e at	25%) (tp2	5) (n	ninut	tes)									1	30	
Effective Depth	at 75% (tp75) (m)	().81			Tim	e at	75%) (tp7	5) (n	ninut	tes)									÷	3.3	
	Soil Infiltr	ration Rate	e (m	/s)								2.	601	E-0{	5				1				
Notes	 Undertaken in general accordar Based on extrapolated data 	nce with BRE [NO	DG 36	5 me	thod														-				
Client:	Albion Land Ltd																						
Project:	Land adjacent to Junction 1	10, M40, A	rdley	/					1		P	P	1	16	EC	2	C	1	E		Ľ		G١
			-														-		-			_	



SOIL CHEMICAL RESULTS COMPARED AGAINST SCREENING VALUES FOR HUMAN HEALTH

Land adjacent to Junction 10, M40, Ardley AG3268-21 Site: Job No:

Land Use: Dataset: Soil Organic Matter (%) Commercial / Industrial All data 2.5 %

Exploratory Hole Reference	TP	7 TP1	1 TS	20 TP31	TP42	TP	54 TP	56 T	P60	TP61	TP70	TP74	TP76	TP89	TP91	TP92	TP94	TP131	TP5	TP25	TP79	TP58	TP48	TP110	TP97	TP112	TP124	TP1	TP105	TP108	TP126	TP128	TP136	TP138	TP141	TP149	TP150			
photatoly hole kelerence	0.2	0.14	5 0	0 0 20	0.20	0.1	0 04	10 0	0.30	0.10	0.10	0.4	0.1	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.1	0.2	01	0.1	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.2	No of sam	ples Commercia	,
ata	0.2 Sni	1 <u>Sol</u>		Soll	Soli	50	ii \$2		Soil	Soil	Soil	Soil	Soil	Soli	Soli	Soli	Soli	Sol	Soil	Soil	Soil	0.2 Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soli	(n)	Industrial	/ Source/Justificati
la la	Units				0011					000	0011	0011	000	000		000	0011	0011			0011	0011	001	001	000	0011	0011	0011	0011	00		0011	0011	0011	001	000	00.	(1)	muusinai	
ic Matter (%)		2.0		C 0.5				-		24	2.0	4.0	2.0	2.4	4	2.0	2.4	2.4	2.0	2.0	14	24	25	4.6	4.0	2.6	2.6	2.0	4.6	4.2	2.4	4.0	2.4	2.0	4.0	4	14	05		
IIC Matter (%)	% 3.8	3.0		0 3.5	4.1	2.3	9 1.	5		3.1	3.0	1.9	2.0	2.4	4	2.9	2.1	2.4	2.9	2.9	4.1	3.1 8.2	3.5	1.0	1.2	2.0	2.0	2.0	1.0	1.3	2.4	1.0	2.1	2.9	1.9	1				
	0.2	0.3		3 0.5	0.4	0.4	* 0.	•		0.3	0.3	8.5	8.4	8.4	8.4	8.4	8.6	9	8.6	8.2	8.5	8.2	8.2	8.6	8.6	8.1	8.3	8.2	8.4	8.4	8	8.4	8.3	8.3	8.3	8.4	8.3	30		
	ma/ka 30		_																12			10			10		17		10					13			10		640	LOM/CIEH S4UL (2015)
nic			2	5 30	23	24	12	5		33	16	31	29	31	34	32	31	30	1/	15	22	19	24	21	16	8.4	1/	24	19	28	8	29	25	1/	31	21	12	35	640	LQM/CIEH S4UL (2015)
llium		1.9								1.1	1.3	1.2	1.2	1.1	1.5	1.6	1	1	1.2	1.3	1.5	1.1	1.8	1	1.3	1.6	1.3	1.3	1	1.4	1	1.2	1.6	1.4	1.6	1.2	1	35	12	
n	mg/kg 14					10	9.			11	20	16	15	13	19	1/	12	11	7.8	6.2	9.9	6.9	10	4.7	6.4	9	10	6.9	5.9	0.87	0.34	15	20	18	19	12	8.8	35	240000	LQM/CIEH S4UL (2015)
mium	mg/kg 0.69			6 0.54	0.42	0.3	5 0.2			0.43	0.42	0.28	0.37	0.42	0.56	0.56	0.34	0.4				0.34			0.26	0.33	0.32	0.47	0.33	0.87	0.34	0.46	0.46	0.49	0.6	0.3	0.3	35	190	LQM/CIEH S4UL (2015)
omium	mg/kg 55	36	3	3 35	32	32	33			27	29	34	35	31	37	41		20			40		43	15	30	27	26	42	22	41	25	30	39	38	42	33	27	36	8600	LQM/CIEH S4UL (2015)
mium (Hexavalent)	mg/kg -	-			-				0.5	-		-	-	-			0.5		0.5		0.5		-		0.5	-	-			-	-	-	-	-	0.5	-	-	10	33	LQM/CIEH S4UL (2015)
Der	mg/kg 25			3 18	16	15	15	5				12	15		19							13					12			33	24		35	32	29	27	15	35	68000	LQM/CIEH S4UL (2015)
	mg/kg 39											17										17													28				2330	C4SL (2014)
ury	mg/kg 0.11										0.1											0.1											0.11						1100	LQM/CIEH S4UL (2015)
		30			28							30	31	27	35		24					25								36	22			30		27			980	LQM/CIEH S4UL (2015)
hium	mg/kg 0.58										0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.28	0.38	0.39	0.2	0.27	0.2	0.2	0.32	0.2	0.29	0.2	0.2	0.22	0.2	0.2	0.2	0.2	0.2	0.2	35	12000	LQM/CIEH S4UL (2015)
dium	mg/kg 86	53	6	1 64	52	52	54	1		48	44	60	56	53	62	68	42	37	48	46	61	41	69	24	41	38	39	61	27	62	33	41	53	48	59	45	34	35	9000	LQM/CIEH S4UL (2015)
		64		2 70	65	56	50			76	61	50	59	56	82	82	49	55	56	62	76	41 42	77	28	45	54	44	64	41	76	51	67	82	86	94	61	60	35	730000	LQM/CIEH S4UL (2015)
thalene	mg/kg 0.1	0.1	0	1 0.1	0.1	0.1	0.	1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	35	460	LQM/CIEH S4UL (2015)
aphthylene	mg/kg 0.1	0.1	0	1 0.1	0.1	0.1	0.	1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1 0.1 0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	35	97000	LQM/CIEH S4UL (2015)
aphthene	mg/kg 0.1	0.1	0	1 0.1	0.1	0.1	0.			0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	35	97000	LQM/CIEH S4UL (2015)
rene	mg/kg 0.1	0.1	0	1 0.1	0.1	0.1	0.	1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	35		LQM/CIEH S4UL (2015)
nanthrene	mg/kg 0.1	0.1	0	1 0.1	0.1	0.1	0.	1		0.1	0.1	0.1	0.1			0.1	0.1					0.1								0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	35	22000	LQM/CIEH S4UL (2015)
racene	mg/kg 0.1	0.1	0	1 0.1	0.1	0.1	0.1	1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	35	540000	LQM/CIEH S4UL (2015)
anthene	mg/kg 0.1	0.1	0	1 0.1	0.1	0.1	0.1	1		0.1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		0.1		0.1			0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	35	23000	LQM/CIEH S4UL (2015)
ne	mg/kg 0.1	0.1	0	1 0.1	0.1	0.1	0.1	1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1				0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	35	54000	LQM/CIEH S4UL (2015)
o[a]anthracene	mg/kg 0.1	0.1	0	1 0.1	0.1	0.1	0.1	1			0.1											0.1																35	170	LQM/CIEH S4UL (2015)
iene	mg/kg 0.1	0.1	0	1 0.1	0.1	0.1	0.	1			0.1		0.1		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1				0.1				0.1		350	LQM/CIEH S4UL (2015)
o(b)fluoranthene	mg/kg 0.1	0.1	0	1 0.1	0.1	0.1	0.	1			0.1											0.1															0.1		44	LQM/CIEH S4UL (2015)
o[k]fluoranthene	mg/kg 0.1										0.1											0.1																	1200	LQM/CIEH S4UL (2015)
o(a)pyrene	mg/kg 0.1													0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	35	35	LQM/CIEH S4UL (2015)
nzofa.hlanthracene	mg/kg 0.1									0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	35	3.6	LQM/CIEH S4UL (2015)
no[1,2,3-cd]pyrene	mg/kg 0.1										0.1		0.1		0.1	0.1	0.1	0.1				0.1			0.1			0.1			0.1			0.1					510	LQM/CIEH S4UL (2015)
zo(g,h,i)perviene	mg/kg 0.1	0.1		1 0.1	0.1		0.					0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1			0.1	0.1				0.1	0.1	0.1	0.1	0.1		0.1	0.1		0.1			4000	LQM/CIEH S4UL (2015)
of 16 PAHs	mg/kg 0.1 mg/kg 2	0.1		2		0.1				2	2	2	2	2	2	0.1	0.1	2	2	2	2	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2	30	4000	EQIWOIE11 340E (2013)
TOT TO FALIS	109/69 2											4																-	-									30		-
nols (Total)	mg/kg -	_	_		-	_	_		0.1					-	0.1	0.1	0.1	0.1	0.1		0.1				0.1				0.1						0.1		-	10	690	LQM/CIEH S4UL (2015)
1015 (10(d))	109/89		_						0.1	-	-	-	-		0.1	0.1	0.1	0.1	0.1	-	0.1			-	0.1	-		-	0.1	-	-	-	-	-	0.1	-	-	10	050	EQIWOIE11340E (2013)
	ma/ka 0.00	4 0.00			0.004	0.00	~ ~	~ ~		0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	00	47	LOM/CIEH S4UL (2015)
izene Jene	mg/kg 0.00 mg/kg 0.00	1 0.00	1 0.1	01 0.001	0.001	0.00	0.0	01 0.		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	30	4/	LOM/CIEH S4UL (2015)
vibenzene	mg/kg 0.00	1 0.00	1 0.1	01 0.001	0.001	0.00	0.0	01 0.		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	30		LQM/CIEH S4UL (2015)
o Xvlene	mg/kg 0.00	1 0.00	1 0.1	01 0.001	0.001	0.00	0.0	01 0.		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	30	13000	LQM/CIEH S4UL (2015)
lene	mg/kg 0.00	1 0.00	0.0	01 0.001	0.001	0.00	01 0.0	01 0.	1.001 0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	36	15000	LQM/CIEH S4UL (2015)
17.00.00																																							0.001	B + - + - +
yl Tert-Butyl Ether	mg/kg 0.00	1 0.00	0.0	01 0.001	0.001	0.00	0.0	01 0.	1.001 0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001			0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	36	0.001	Detection Limit
1 7011 05 00		<u> </u>				<u> </u>			-				· .	1 .	+ .		-	-	1		-	+ .															+	-	5000	
atic TPH >C5-C6	mg/kg 1	1	-	1	1	1	1		1	1	1	1	1	1	1	1	1		1		1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1		5900	LQM/CIEH S4UL (2015)
atic TPH >C6-C8	mg/kg 1				1	1	1		1			1	1	1	1	1	1		1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1			LQM/CIEH S4UL (2015)
atic TPH >C8-C10	mg/kg 1	1		1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	36	4800	LQM/CIEH S4UL (2015)
atic TPH >C10-C12	mg/kg 1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			1	1	1	1	1	1	1	1	1	1	1		23000	LQM/CIEH S4UL (2015)
atic TPH >C12-C16	mg/kg 1	1		1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	36	82000	LQM/CIEH S4UL (2015)
atic TPH >C16-C21	mg/kg 1	1		1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	36	-	-
atic TPH >C21-C35	mg/kg 1	1		1	1	1	1		1	1	1	1	1	1	1	1	1	1	66	1	4.1		1	1		1	1	1	1	1	1	1	1	1	1	1	1	36		LQM/CIEH S4UL (2015)
atic TPH >C35-C44		1		1	1	1	1		1	1	1	1	1		1	1	1	1		1								1		1	1	1	1	1	1	1	1	36	No Risk	LQM/CIEH S4UL (2015)
	mg/kg 5	5	-	5	5	5	5	;	5	5	5	5	5	5	5	5	5	5	66	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	36	-	-
	mg/kg 1	1		1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	36	46000	LQM/CIEH S4UL (2015)
atic TPH >C5-C7		1		1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	36	100000	LQM/CIEH S4UL (2015)
atic TPH >C5-C7 atic TPH >C7-C8	mg/kg 1	1		1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	36	8100	LQM/CIEH S4UL (2015)
atic TPH >C5-C7 atic TPH >C7-C8 atic TPH >C8-C10	mg/kg 1 mg/kg 1			1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	36	28000	LQM/CIEH S4UL (2015)
atic TPH >C5-C7 atic TPH >C7-C8 atic TPH >C8-C10	mg/kg 1	1		1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	36	37000	LQM/CIEH S4UL (2015)
atic TPH >C5-C7 atic TPH >C7-C8 atic TPH >C8-C10 atic TPH >C8-C10 atic TPH >C10-C12	mg/kg 1 mg/kg 1	1			+ +	1	1		1	1	1	1	1	1	1	1	1 1	1	1	1	1 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1 1	36	28000	LQM/CIEH S4UL (2015)
atic TPH >C5-C7 atic TPH >C7-C8 atic TPH >C8-C10 atic TPH >C10-C12 atic TPH >C10-C12 atic TPH >C12-C16	mg/kg 1 mg/kg 1 mg/kg 1	1		1					1	1	1	1	1	1	1	1	1	1	35	1	19	1 1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1 1	50		
iatic TPH >CS-C7 iatic TPH >C7-C8 iatic TPH >C7-C8 iatic TPH >C10-C12 iatic TPH >C10-C12 iatic TPH >C12-C16 iatic TPH >C16-C21	mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 1	1 1 1 1		1	1	1												1	Ĩ	1	13				1	1		-											28000	
tatic TPH >C5-C7 tatic TPH >C7-C8 tatic TPH >C7-C8 tatic TPH >C10-C12 tatic TPH >C10-C12 tatic TPH >C12-C16 tatic TPH >C16-C21 tatic TPH >C12-C35	mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 1	1 1 1 1 1 1 1		1	1	1			1	4	1	1	4	1	-																		4	4	-	4		36	28000	
adic TPH > C5-C7 salic TPH > C7-C8 salic TPH > C7-C8 salic TPH > C10-C12 salic TPH > C10-C12 salic TPH > C12-C16 salic TPH > C16-C21 salic TPH > C21-C35 salic TPH > C25-C44	mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 1			1			1		1			1	1										£							1		1	1	1		1			28000	LQM/CIEH S4UL (2015)
site TPH >C5-C7 site TPH >C5-C8 site TPH >C3-C10 site TPH >C3-C10 site TPH >C1-C12 site TPH >C1-C12 site TPH >C1-C21 site TPH >C1-C21 site TPH >C1-C35 site TPH >C3-C4-C35 site TPH >C3-C44 Aromatic Hydrocarbons	mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 5	5		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	35	5	19	5		5	5	5	5	5	5	5	5	5	5	5	5	5	5	36	28000	
atic TPH >C5-C7 atic TPH >C5-C7 atic TPH >C8-C10 atic TPH >C10-C12 atic TPH >C10-C12 atic TPH >C16-C21 atic TPH >C16-C21 atic TPH >C16-C21 atic TPH >C15-C43 atic TPH >C35-C44 Anomatic Hydrocarbons	mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 1	5		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	35	5	19	5		5	5	5		5	5	5	5	5		5	5	5		36	28000	
atic TPH >C5-C7 atic TPH >C7-C8 atic TPH >C10-C12 atic TPH >C10-C12 atic TPH >C10-C12 atic TPH >C10-C12 atic TPH >C10-C21 atic TPH >C10-C21 atic TPH >C23-C43 atic TPH >C35-C44 Aromatic Hydrocarbons Petroleum Hydrocarbons	mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 5 mg/kg 10	5		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	35	5	19	5		5	5	5	5	5	5	5	5	5	5	5	5	5	5	36	28000	
atic TPH >C5-C7 atic TPH >C7-C8 atic TPH >C10-C12 atic TPH >C10-C12 atic TPH >C10-C12 atic TPH >C10-C12 atic TPH >C10-C21 atic TPH >C10-C21 atic TPH >C23-C43 atic TPH >C35-C44 Aromatic Hydrocarbons Petroleum Hydrocarbons	mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 5	5		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	35	5	19	5		5	5	5	5	5	5	5	5	5	5	5	5	5	5	36	28000	
Table TPH >C5-C7 table TPH >C7-C8 table TPH >C10-C12 table TPH >C10-C21 table TPH >C10-C21 table TPH >C10-C31 table TPH >C10-C31 table TPH >C10-C31 table TPH >C30-C44 Aromatic Hydrocarbons Petroleum Hydrocarbons	mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 5 mg/kg 10	5	1	5 0 10	5 10	5	5	i 0	5 10	5 10	5 10	5	5	5	5	5	5	5	35	5	19	5		5	5	5	5	5	5	5	5	5	5	5	5	5	5	36	28000	
alat TPH x56-77 alat TPH x56-70 alat TPH x52-610 alat TPH x52-610 alat TPH x51-621 alat TPH x51-621 alat TPH x51-621 alat TPH x51-623 alat TPH	mg/kg 1 mg/kg 10	5 10 No		5 5 0 10	5 10 No	5 10 *	5 0 11	0 ·	5 10 No	5 10 No	5 10 *	5 10	5 10	5 10	5 10	5	5 10	5 10 *	35 100 *	5 10 *	19 23	5 10	10 *	5 10	5 10	5 10	5 10	5 10	5 10	5 10 *	5 10 *	5 10	5 10	5 10	5	5 10 *	5 10	36 36 10		LQM/CIEH S4UL (2015) - -
Al Alphate Hydrocatons made TPH x-62-62 made TPH x-62-62 made TPH x-62-63 made TPH x-62-610 made TPH x-612-610 made TPH x-612-612 made TPH x-612-621 made TPH x-621-632 Al Anomate TPH x-623-624 Al Anomate TPH x-623-62	mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 1 mg/kg 5 mg/kg 10	5 10 No		5 0 10	5 10 No	5 10 * No Os Asbes	D 11	o M stos Asb	5 10 No bestos As	5 10 No sbestos A	5 10 * No Asbestos N	5 10 Io Asbestos	5 10 No Asbestor	5 10	5 10 Is No Asbesto	5 10 *	5 10 DS No Asbeste	5 10 *	35 100 *	5 10 *	19 23 s No Asbestos	5	10 *	5 10 Asbestos No	5 10 Asbestos No	5 10 Asbestos N	5 10 Io Asbestos No	5 10 Asbestos No	5 10 Asbestos No	5 10 * Asbestos I	5 10 *	5 10	5 10 No Asbestos Ni	5 10	5 10	5 10 *	5 10 s No Asbes	36 36 10 tos 36	28000	LQM/CIEH S4UL (2015 - -

Key -Value within sample set exceeds screening value

*Samples tested for pesticides all recorded below laboratory de LQM/CIEH S4UL Reference No. S4UL3159 (2015)

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SUMMARY OF LEACHATE TEST RESULTS

Site Land adjacent to Junction 10, M40, Ardley Job Number AG3268-21 Type of Water Leachate

		Hazardous or	Sample Identity	TP128	TP150	TP5	TP25	TP79	TP48	TP110	TP97	TP124			
Determinand	Limit of Detection	Non-	Depth	0.10	0.20	0.2	0.2	0.1	0.1	0.1	0.3	0.1	No. of	Waters	Source & Justification
		Hazardous^	Sampled Date	03/06/2021	03/06/2021	25/05/2021	26/05/2021	25/05/2021	25/05/2021	28/05/2021	28/05/2021	28/05/2021	samples (n)	Screening Value	
рН		-	-	8.4	8.4	8.5	8.2	8.2	8.2	8.5	8.5	8.5	9	-	-
Arsenic	0.2	Haz	µg -1	0.66	0.42	0.66	0.77	1.2	0.91	0.54	0.57	0.66	9	10	UK Drinking Water Standards (2010)
Cadmium	0.11	Non Haz	µg l-1	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	9	5	UK Drinking Water Standards (2010)
Chromium (Total)	0.5	Non Haz	µg l-1	0.5	0.5	0.5	0.5	0.65	0.57	0.5	0.5	0.5	9	50	UK Drinking Water Standards (2010)
Copper	0.5	Non Haz	µg l-1	3.4	2.7	1.5	1.5	5.3	3.2	2.7	1.9	3.5	9	2000	UK Drinking Water Standards (2010)
Lead	0.5	Haz	µg l-1	0.5	0.5	0.5	0.5	0.54	0.5	0.5	0.5	0.5	9	10	UK Drinking Water Standards (2010)
Mercury	0.05	Haz	µg -1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	9	1	UK Drinking Water Standards (2010)
Nickel	0.5	Non Haz	µg -1	1.2	0.5	0.5	1	3.3	1.2	0.93	0.79	1	9	20	UK Drinking Water Standards (2010)
Selenium	0.5	Non Haz	µg l-1	0.5	0.5	0.5	0.5	0.72	0.5	0.5	0.5	0.5	9	10	UK Drinking Water Standards (2010)
Zinc	2.5	Non Haz	µg l-1	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	9	5000	UK Drinking Water Standards (2010)
Boron	10	Non Haz	µg l-1	10	11	10	10	10	10	10	10	10	9	1000	UK Drinking Water Standards (2010)
Beryllium	1	Non Haz	µg l-1	1	1	1	1	1	1	1	1	1	9	12	UK Drinking Water Standards (2010)
Vanadium	0.5	Non Haz	µg l-1	1.2	0.73	1.3	1.4	2.3	2.3	0.84	1.2	1.2	9	20	EQS
Sulphate	1	Non Haz	mg l-1	1	2.7	2.8	1	1	1	1	1	1	9	250	UK Drinking Water Standards (2010)
Naphthalene	0.1	Non Haz	µg -1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	9	0.1	Detection limit
Acenaphthylene	0.1	Haz	µg -1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	9	0.1	Detection limit
Acenaphthene	0.1	Haz	µg l-1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	9	0.1	Detection limit
Fluorene	0.1	Haz	µg -1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	9	0.1	Detection limit
Phenanthrene	0.1	Haz	µg -1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	9	0.1	Detection limit
Anthracene	0.1	Haz	µg -1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	9	0.1	Detection limit
Fluoranthene	0.1	Haz	µg -1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	9	0.1	Detection limit
Pyrene	0.1	Haz	µg l-1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	9	0.1	Detection limit
Benzo[a]anthracene	0.1	Haz	µg l-1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	9	0.1	Detection limit
Chrysene	0.1	Haz	µg l-1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	9	0.1	Detection limit
Benzo[b]fluoranthene	0.1	Haz	µg l-1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	9	0.1	Detection limit
Benzo[k]fluoranthene	0.1	Haz	µg l-1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	9	0.1	Detection limit
Benzo[a]pyrene	0.1	Haz	µg l-1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	9	0.1	Detection limit
Dibenz(a,h)Anthracene	0.1	Haz	µg -1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	9	0.1	Detection limit
Indeno(1,2,3-c,d)Pyrene	0.1	Haz	µg -1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	9	0.1	Detection limit
Benzo[g,h,i]perylene	0.1	Haz	μg l-1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	9	0.1	Detection limit
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Key-

Result exceeds test Detection Limit (for Haz determinands) Result exceeds Screening Value (for Non Haz determinands) ^ Note:

Hazardous and non-hazardous substances determined by JAGDAG (Jan 2017) and published at http://www.wfduk.org/sites/default/files/Media/170116%20Substance%20Determinationsfinal.pdf. These are marked in bold. For substances not assessed by JAGDAG, Applied Geology has assumed a determination based on our understanding of the behaviour of the chemical. These determinations are highlighted in yellow.

Values in bold at the limit of detection