Client: AECOM Royal Court Basil Close Chesterfield S41 7SL



Report Number 74386/57776

Site: Sutton on Sea

Date: 22nd June 2018

Trust Quality Progress





AECOM Royal Court Basil Close

Client:

Chesterfield S41 7SL

Date: 22.06.2018 Originator: Mark Evans

Order Ref: 60578623.1.2 Our Ref: 57776/CH

Site: Sutton on Sea

Document Control

	Issue Number and Date	Issue 1	22/06/2018
	Departmental Manager		
p j	Mike Barham		
	Document Authorised By:	Ω Λ	
	Chemistry Administrator	17 W	
	Brandon Fairweather	2.8	
	Document Prepared By:		



1. Samples

1.1. The samples were delivered by the client to Kiwa CMT Testing on 13/06/2018

Sample References	Sample Description
K2 Gridline 2	Concrete core sample (see attached core logs)
DD1-2	Concrete core sample (see attached core logs)
KW2 Gridline2	Concrete core sample (see attached core logs)
Column Gridline 1	Concrete core sample (see attached core logs)
DD-EE2 Grid 2	Concrete core sample (see attached core logs)
Grid 2 22-3	Concrete core sample (see attached core logs)
Gridline P2	Concrete core sample (see attached core logs)
R1-2	Concrete core sample (see attached core logs)
X1-2	Concrete core sample (see attached core logs)
D3	Concrete core sample (see attached core logs)

2. Analysis:

2.1. The sample(s) were submitted for the following analysis

Sample References	Testing Requirements
All samples	Compressive strength Close up photographs of crushed cores failure mode, including split faces before crushing Cement content

2.2. The below are the testing methods use in the analysis

Testing	Testing Method	UKAS
Compressive strength	BSEN12504-1:2009	Yes
Cement content	BS 1881 : Part 124 : 2015	Yes

2.3.

Comments:

The test method used for the lime (CaO) determinations deviates from BS 1881: Part 124: 2015 only in terms of the indicator used.

Core DD1-2 could not be tested for compressive strength as this core consisted of three layers 35mm, 20mm and 65mm thick. None of these layers are large enough to be tested.



- 3. Results:
- 3.1. Detailed chemical results for the analysis can be found in Appendix 1, of this report



Appendix 1:

Certificates of Chemical Analysis



DETAILED ANALYTICAL RESULTS - CONCRETE

Cement Content in accordance with BS 1881: Part 124: 2015

Client AECOM 57776 Job No. Sutton on Sea Contact Mark Evans Site Order Ref 60578623.1.2 Date Received 13/06/2018 Sample Description Concrete Cores Date Analysed 19 - 20/06/2018 BS 1881 : Part 124 : 2015 22/06/2018 Test Methods Date Reported

Analyte:	Units:	K2 Gridline 2	DD1-2	KW2 Gridline 2	Column M Gridline 1	Gridline DD- EE2
Lime CaO	%	12.78	13.46	12.95	13.39	12.66
Silica SiO ₂	%	5.07	4.54	4.76	4.80	4.70
Insoluble Residue	%	70.37	66.47	67.99	69.93	66.19
Loss on Ignition	%	7.61	11.36	10.11	7.38	8.60
Cement Content (Based on)	%	19.80 Lime	20.90 Lime	20.1 Lime	20.8 Lime	19.6 Lime
	Kg/m³ (+/- 25 Kg/m	451 ³)	477	458	474	447

Assumptions made in calculating the above figures:

- 1) The cement is a basic Portland containing 64.5% CaO and 20.2% soluble silica.
- 2) There was no significant contribution to the lime or silica from the aggregate.
- 3) The oven dry density of the concrete is 2280 Kg/m₃.



DETAILED ANALYTICAL RESULTS - CONCRETE

Cement Content in accordance with BS 1881: Part 124: 2015

Client AECOM 57776 Job No. Sutton on Sea Contact Mark Evans Site Order Ref 60578623.1.2 Date Received 13/06/2018 Sample Description Concrete Cores Date Analysed 19 - 20/06/2018 BS 1881 : Part 124 : 2015 22/06/2018 Test Methods Date Reported

Analyte:	Units:	Gridline P2 Gridline 2	Gridline 2 GL Z 2-3	Gridline R 1-2	Gridline X 1-2	Gridline D3
Lime CaO	%	13.66	16.34	15.94	13.42	10.76
Silica SiO ₂	%	5.65	5.50	5.60	4.58	4.96
Insoluble Residue	%	62.08	57.69	63.42	68.98	74.49
Loss on Ignition	%	11.55	12.35	9.43	8.98	5.63
Cement Content (Based on)	%	21.2 Lime	25.3 Lime	24.7 Lime	20.8 Lime	16.7 Lime
	Kg/m³ (+/- 25 Kg/	483 (m³)	577	563	474	381

Assumptions made in calculating the above figures:

- 1) The cement is a basic Portland containing 64.5% CaO and 20.2% soluble silica.
- 2) There was no significant contribution to the lime or silica from the aggregate.
- 3) The oven dry density of the concrete is 2280 Kg/m₃.

Signed:

B Fairweather

Environmental Technician

Approved:

pp M. Barham

Chief Chemist





Appendix 2:

Certificates of Compressive Strength



CORE TEST REPORT

Client: AECOM Date: 20.06.18

Royal Court Basil Close

Chesterfield Derbyshire S41 7SL Site: Sutton on Sea

Laboratory Ref. No. 57776.01 Max Length Received (mm) 160.0

Client Reference GL K2 Grid Line 2 Min Length Received (mm) 160.0

Orientation Horizontal Diameter (mm) 98.0

Site Curing Condition Average Saturated density by

displacement (Kg/m3) 2428

Excess Voidage (%) 1.0

Date Drilled 23.05.18

Length After Capping (mm) 96.0

Visual inspection

Max. nom. size of agg.

including abnormalities 2 pieces Length Diameter Ratio 0.98

Condition Of Storage Water Reinforcement

14mm

Date Cast N/K

Date Tested 20.06.18

Moisture condition at test SSD

Lab. Water Curing (Days) 6

Diameter φ	d*
0	0
0	0
0	0

^{*} Distance of bar axis from nearest end

Load At Failure (kN) 452.8

Core Strength (N/mm²) 60.0

Tested in accordance with BSEN 12504-1:2009

Method of preparation Sulphur Capping

Condition on receipt OK
Failure type and observations Explosive
Mix details Not Known
Deviation from standard None

Kiwa CMT Testing

Gary Peach





CORE TEST REPORT

Client: AECOM Date:

> Royal Court Basil Close

Chesterfield Derbyshire S41 7SL

20.06.18

Site: Sutton on Sea

Laboratory Ref. No. 57776.03 Max Length Received (mm) 230.0

Client Reference KW2 Grid Line 2 Min Length Received (mm) 220.0

Orientation Horizontal Diameter (mm) 98.0

Site Curing Condition Average Saturated density by

> displacement (Kg/m3) 2425

0.5 Excess Voidage (%)

Length After Capping (mm) 102.0

Visual inspection

Date Drilled

Max. nom. size of agg.

including abnormalities Normal Length Diameter Ratio 1.04

Condition Of Storage Water Reinforcement

14mm

23.05.18

Date Cast N/K

Date Tested 20.06.18

Moisture condition at test SSD

Lab. Water Curing (Days) 6

Diameter φ	d*
0	0
0	0
0	0

Distance of bar axis from nearest end

450.6 Load At Failure (kN)

Core Strength (N/mm²) 59.7

Tested in accordance with BSEN 12504-1:2009

Method of preparation Sulphur Capping

Condition on receipt OK Normal Failure type and observations Mix details Not Known Deviation from standard None

Kiwa CMT Testing

Gary Peach





CORE TEST REPORT

Client: AECOM Date:

Royal Court Basil Close

Chesterfield Derbyshire S41 7SL Date: 20.06.18

Site: Sutton on Sea

Laboratory Ref. No. 57776.04 Max Length Received (mm) 310.0

Client Reference Col M Grid Line 1 Min Length Received (mm) 305.0

Orientation Horizontal Diameter (mm) 98.0

Site Curing Condition Average Saturated density by

displacement (Kg/m3) 2388

Excess Voidage (%) 1.0

Date Drilled 23.05.18

Length After Capping (mm) 99.0

Visual inspection

Max. nom. size of agg.

including abnormalities Normal Length Diameter Ratio 1.01

Condition Of Storage Water Reinforcement

14mm

Date Cast N/K

Date Tested 20.06.18

Moisture condition at test SSD

Lab. Water Curing (Days) 6

Diameter φ	d*
0	0
0	0
0	0

^{*} Distance of bar axis from nearest end

Load At Failure (kN) 338.9

Core Strength (N/mm²) 44.9

Tested in accordance with BSEN 12504-1:2009

Method of preparation Sulphur Capping

Condition on receipt OK
Failure type and observations Normal
Mix details Not Known
Deviation from standard None

Kiwa CMT Testing

Gary Peach





CORE TEST REPORT

Client: AECOM Date: 20.06.18

> Royal Court Basil Close

Chesterfield Derbyshire S41 7SL

Site: Sutton on Sea

Laboratory Ref. No. 57776.05 Max Length Received (mm) 225.0

Client Reference Grid Line DD-EE,2 Min Length Received (mm) 220.0

Orientation Horizontal Diameter (mm) 99.0

Site Curing Condition Average Saturated density by

> displacement (Kg/m3) 2362

0.5 Excess Voidage (%)

Date Drilled 23.05.18 Length After Capping (mm) 96.0

Visual inspection

Max. nom. size of agg.

including abnormalities Normal Length Diameter Ratio 0.97

Condition Of Storage Water Reinforcement

14mm

Date Cast N/K

Date Tested 20.06.18

Moisture condition at test SSD

Lab. Water Curing (Days) 6

373.2 Load At Failure (kN)

Diameter of

0

0

0

d*

0

0

0 Distance of bar axis from nearest end

Core Strength (N/mm²) 48.5

Tested in accordance with BSEN 12504-1:2009

Method of preparation Sulphur Capping

Condition on receipt OK Normal Failure type and observations Mix details Not Known Deviation from standard None

Kiwa CMT Testing

Gary Peach





CORE TEST REPORT

Client: AECOM Date: 20.06.18

Royal Court Basil Close

Chesterfield Derbyshire S41 7SL Site: Sutton on Sea

Laboratory Ref. No. 57776.06 Max Length Received (mm) 220.0

Client Reference Grid Line P2 Grid Line 2 Min Length Received (mm) 220.0

Orientation Horizontal Diameter (mm) 99.0

Site Curing Condition Average Saturated density by

displacement (Kg/m3) 2377

Max. nom. size of agg. 10mm

Excess Voidage (%) 1.0

Length After Capping (mm) 99.0

Diameter of

0

0

0

Visual inspection

Date Drilled

including abnormalities Normal Length Diameter Ratio 1.00

Condition Of Storage Water Reinforcement

23.05.18

Date Cast N/K

Date Tested 20.06.18

Moisture condition at test SSD

Lab. Water Curing (Days) 6

* Distance of bar axis from nearest end

d*

0

0

0

Load At Failure (kN) 483.7

Core Strength (N/mm²) 62.8

Tested in accordance with BSEN 12504-1:2009

Method of preparation Sulphur Capping

Condition on receipt OK
Failure type and observations Normal
Mix details Not Known
Deviation from standard None

Kiwa CMT Testing

Gary Peach





CORE TEST REPORT

Client: AECOM Date: 20.06.18

> Royal Court Basil Close

Chesterfield Derbyshire S41 7SL

Site: Sutton on Sea

d*

0

0

0 Distance of bar axis from nearest end

362.9

Diameter of

Laboratory Ref. No. 57776.07 Max Length Received (mm) 185.0

Client Reference GL Z,2-3 Grid Line 2 Min Length Received (mm) 185.0

Orientation Horizontal Diameter (mm) 99.0

Site Curing Condition Average Saturated density by

displacement (Kg/m3) 2322

0.5 Excess Voidage (%) **Date Drilled** 23.05.18

Length After Capping (mm) 103.0

Visual inspection

Max. nom. size of agg.

including abnormalities 2 pieces Length Diameter Ratio 1.04

Condition Of Storage Water Reinforcement

10mm

Date Cast N/K 0

0 **Date Tested** 20.06.18 0

Moisture condition at test SSD

Load At Failure (kN) Lab. Water Curing (Days) 6

Core Strength (N/mm²) 47.1

Tested in accordance with BSEN 12504-1:2009

Method of preparation Sulphur Capping

Condition on receipt OK Normal Failure type and observations Mix details Not Known Deviation from standard None

Kiwa CMT Testing

Gary Peach





CORE TEST REPORT

Client: AECOM Date: 20.06.18

Royal Court Basil Close

Chesterfield Derbyshire S41 7SL Site: Sutton on Sea

Laboratory Ref. No. 57776.08 Max Length Received (mm) 110.0

Client Reference Grid Line R,1-2 Min Length Received (mm) 90.0

Orientation Vertical Diameter (mm) 93.5

Site Curing Condition Average Saturated density by

displacement (Kg/m3) 2403

Max. nom. size of agg. 14mm

Excess Voidage (%) 0.5

Date Drilled 24.05.18

Length After Capping (mm) 73.0

Visual inspection

including abnormalities 2 pieces - short sample

Length Diameter Ratio 0.78

Condition Of Storage Water Reinforcement

Date Cast N/K

Date Tested 20.06.18

Moisture condition at test SSD

Lab. Water Curing (Days) 6

Diameter φ	d*
0	0
0	0
0	0

^{*} Distance of bar axis from nearest end

Load At Failure (kN) 371.1

Core Strength (N/mm²) 54.0

Tested in accordance with BSEN 12504-1:2009

Method of preparation Sulphur Capping

Condition on receipt OK
Failure type and observations Normal
Mix details Not Known
Deviation from standard Short Core

Kiwa CMT Testing

Gary Peach





CORE TEST REPORT

Client: AECOM Date: 20.06.18

> Royal Court Basil Close

Chesterfield Derbyshire S41 7SL

Site: Sutton on Sea

Laboratory Ref. No. 57776.09 Max Length Received (mm) 105.0

Client Reference Grid Line X,1-2 Min Length Received (mm) 90.0

Orientation Vertical Diameter (mm) 93.5

Site Curing Condition Average Saturated density by

> displacement (Kg/m3) 2357

Max. nom. size of agg. 10mm 0.5 Excess Voidage (%)

Date Drilled 24.05.18 Length After Capping (mm) 86.0

Visual inspection

including abnormalities Normal Length Diameter Ratio 0.92

Condition Of Storage Water Reinforcement

Date Cast N/K

Date Tested 20.06.18

Moisture condition at test SSD

Lab. Water Curing (Days) 6

ı	0	0	
	0	0	
	* Distance of	bar axis from neares	st end

Diameter of

225 Load At Failure (kN)

d*

Core Strength (N/mm²) 32.8

Tested in accordance with BSEN 12504-1:2009

Method of preparation Sulphur Capping

Condition on receipt OK Failure type and observations Normal Mix details Not Known Deviation from standard None

Kiwa CMT Testing

Gary Peach





CORE TEST REPORT

Client: AECOM Date:

> Royal Court Basil Close

Chesterfield Derbyshire S41 7SL

20.06.18

Site: Sutton on Sea

Laboratory Ref. No. 57776.10 Max Length Received (mm) 235.0

Client Reference Grid Line D3 Min Length Received (mm) 230.0

Orientation Horizontal Diameter (mm) 93.5

Site Curing Condition Average Saturated density by

> displacement (Kg/m3) 2356

Excess Voidage (%) 1.5

Length After Capping (mm) 100.0

Visual inspection

Date Drilled

Max. nom. size of agg.

including abnormalities Normal Length Diameter Ratio 1.07

Condition Of Storage Water Reinforcement

14mm

24.05.18

Date Cast N/K

Date Tested 20.06.18

Moisture condition at test SSD

6

Lab. Water Curing (Days)

Diameter φ	d*
0	0
0	0
0	0

^{*} Distance of bar axis from nearest end

178.5 Load At Failure (kN)

Core Strength (N/mm²) 26.0

Tested in accordance with BSEN 12504-1:2009

Method of preparation Sulphur Capping

Condition on receipt OK Failure type and observations Normal Mix details Not Known Deviation from standard None

Kiwa CMT Testing

Gary Peach





Appendix 3:

AECOM Core Logs



Project:	Sutton on Sea	JOB NO. 08251017	Core Sketch:
Site:	1	Date: 24/05/18	(Detail sketch with measurements of extracted sample)
Coring Oper	rator: DP/CC	Time:	
Weather co	anditions: DRY		
Core No./Ri	Ch/MP/ELR Ref:		
Direction:	Lane:	X Pos: (ns/os etc)	10 2-150
Offset from	the:	= m	
GPS Coord	dinates:		
Core Diame	eter: OO mm Caring typ	e: WET DRY	
is the core	taken through the crack: ack type: Transverse Lor	lement / Surface Det'r / OK agitudinal Crazing	
	re barrel lock/jam whilst cutting:	YES NO	C/_310
If Yes, at w	vhat depth: mm		
Condition o	of core: Good De-bonded	Shattered Partial Recovery	
Depth core	ed to: 460 mm Core	length 460 mm	
Nature of r	material at bottom of core hole:		
Have phot before, cor	tos been taken? (general core location re on extraction and down core hole)	on VES NO	
Has sampl	le of sub-base been taken and bagge	ed: YES NO	(Please detail/comment on any findings during coring)

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Project:	Sutton on Sen	JOB NO. 082510	Core Sketch:
Site:		Date: 24/65/	(Detail sketch with measurements of extracted sample)
Coring Opera	ator: BP/CC	Time:	
	ditions: DE+		
Core No./Ref	f: Ch/MP/ELR Ref:		[-]-30mm
Direction:	Lane:	X Pos: (ns/os etc)	- John -
Offset from t	he:	= m	3 - 65mm
GP\$ Coordin	nates:		3 + 65mm
Core Diamet	er: 100 mm Coring type:	WET DRY	
1	Condition - Cracked / Rutted / Settle aken through the crack: k type: Transverse Long	ment / Surface Det'r / OK	
Did the core	barrel lock/jam whilst cutting:	YES NO).
If Yes, at wh	at depth: mm		
Condition of	core: Good De-bonded Sh	attered Partial Recove	ry
Depth cored	to: 120 mm Core le	ngth (()	nm em
Nature of ma	aterial at bottom of core hole:		
Have photo before, core	s been taken? (general core location on extraction and down core hole)	XES NO	
Has sample	of sub-base been taken and bagged	YES NO	(Please detail/comment on any findings during coring)



Project: Sutton on Sen	JOB NO. 08251017	Core Sketch:
Site:	Date: 23/05/18	(Detail sketch with measurements of extracted sample)
Coring Operator: Bl/cc	Time:	
Weather conditions: DE-		
Core No./Ref: Ch/MP/ELR Ref:		17
Direction: Lane:	X Pos: (ns/os etc)	
Offset from the:	= m	73000
GPS Coordinates:		
Core Diameter: 100 mm Coring type	WET DRY	
Foundation Condition Cracked / Rutted / Settle Is the core taken through the crack: If so Crack type: Transverse Long	ement / Surface Det'r / OK gitudinal Crazing	
Did the core barrel lock/jam whilst cutting:	YES NO	
If Yes, at what depth: mm	1	
Condition of core: Good De-bonded SI	nattered Partial Recovery	
Depth cored to: mm Core le	ength mm	
Nature of material at bottom of core hole:		
Have photos been taken? (general core location before, core on extraction and down core hole)	YES NO	
Has sample of sub-base been taken and bagged	: YES NO	(Please detail/comment on any findings during coring)



roject: Cutton on Sen	Job No. 08 ZSI 0 1 Fcore Sketch:
ite:	Date: 23/05/18 (Detail sketch with measurements of extracted sample)
oring Operator: SP - CC	Time:
/eather conditions: DF-/	
ore No./Ref: Ch/MP/ELR Ref: OLUMN M GRID LINE 1 Direction: Lane:	X Pos: (ns/os etc)
Offset from the:	= m 310mm
GP\$ Coordinates:	
Core Diameter: O mm Coring type:	(WET) ORY
s the core taken through the crack: If so Crack type: Fransverse Longi	itudinal Crazing
Did the core barrel lock/jam whilst cutting:	YES NO
f Yes, at what depth: mm	
Condition of core: Good De-bonded Sh	nattered Partial Recovery
Depth cored to: 310 mm Core le	ngth 310 mm
Nature of material at bottom of core hole:	
Have photos been taken? (general core location before, core on extraction and down core hole)	VEO NO
Has sample of sub-base been taken and bagged	(Please detail/comment on any findings during coring)



Project: Sutton on Sea	Job No. 08251017	Core Sketch:
Site:	Date: 24/05/18	(Detail sketch with measurements of extracted sample)
Coring Operator: Bf/26	Time:	
Weather conditions: Tel		
Core No./Ref: Ch/MP/ELR Ref:		
Direction: Lane:	X Pos: (ns/os etc)	
Offset from the:	= m	1 236
GPS Coordinates:		230mm
Core Diameter: LOO mm Coring typ	e: WET DRY	
Foundation Condition Cracked / Rutted / Sett is the core taken through the crack: If so Crack type: Transverse Lor	lement / Surface Det'r / OK	
Did the core barrel lock/jam whilst cutting:	YES NO	
If Yes, at what depth: mm		
Condition of core: Good De-bonded 5	Shattered Partial Recovery	
Depth cored to: 130 mm Core	length 230 mm	
Nature of material at bottom of core hole:		
Have photos been taken? (general core location before, core on extraction and down core hole)		
Has sample of sub-base been taken and bagge	ed: YES NO	(Please detail/comment on any findings during coring)



Project: Sutton on Sea	JOB NO. 0825 1017	Core Sketch:
Site:	Date: 24/05/18	(Detail sketch with measurements of extracted sample)
Coring Operator: BP/C.C	Time:	
Weather conditions: DFY		
Core No./Ref: Ch/MP/ELR Ref:		
Direction: Lane:	X Pos: (ns/os etc)	- 210mm
Offset from the:	= m	C E CIOMA
GPS Coordinates:		
Core Diameter: \ C O mm Coring type	WET DRY	
Foundation Condition Cracked / Rutted / Settle Is the core taken through the crack: If so Crack type: Transverse Long	ement / Surface Det'r / OK	
Did the core barrel lock/jam whilst cutting:	YES NO	
If Yes, at what depth: mm		
Condition of care: Good De-banded Sh	nattered Partial Recovery	
Depth cored to: 2() mm Core le	ength 710 mm	
Nature of material at bottom of core hole:		
Have photos been taken? (general core location before, core on extraction and down core hole)	NO NO	
Has sample of sub-base been taken and bagged	YES NO	(Please detail/comment on any findings during coring)



Project:			Job No.	08251017	Core Sketch:
Site:	Surto	n on Sea	Date:	24 105/18	(Detail sketch with measurements of extracted sample)
Coring Opera		/cc	Time:		
Weather con	nditions: DR	0			
Core No./Re	E 2 PZ	Ch/MP/ELR Ref:	. 16		
Direction:	5 - 1	Lane:	X Pos:	(ns/os etc)	177
Offset from t	the:		=	m	
GPS Coordi	inates:		371		C 2700mm
Core Diame	ster: (00	mm Coring type	: (VET DRY	
	aken through t		ement / Si	urface Det'r / OK Crazing	
Did the core	e barrel lock/jai	m whilst cutting:		YES NO	
If Yes, at wh	hat depth:	mm		I I I I I	
Condition of	f core: God	De-bonded S	hattered	Partial Recovery	
Depth cored	d to: 22	O mm Core	ength	220 mm	
Nature of m	naterial at botto	m of core hole:	7	1	
Have photo before, core	os been taken' e on extraction	general core location (general core location)	n	NO NO	



roject:	Sutton on Sea	Job No.	08251017
te:		Date:	24/05/18
oring Oper	erator: De/cc	X Time:	
Weather co	onditions: DRY		
Core No./Re	ef: Ch/MP/ELR Ref:	7	
Direction:	Lane:	X Pos: (ns/os etc)
Offset from	the:	-	m
GPS Coord	dina te s:		
Core Diameter: Oo mm Coring type: WET DRY			
Is the core	taken through the crack:	ttlement / Su	Crazing
Did the con	re barrel lock/jam whilst cutting:	2 V D	YES NO
If Yes, at w	what depth: mm		
Condition o	of core: Good De-bonded	Shattered	Partial Recovery
Depth core	ed to: mm Core	e length	mm
Nature of n	material at bottom of core hole:	1000	
Have phot before, cor	tos been taken? (general core locat re on extraction and down core hole	lon :)	YES NO
Has sampl	le of sub-base been taken and bagg	jed:	YES NO

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Project: Sultan on S	eq Job No: 182510)	Core Sketch:
Site:	Date: 24/05/18	(Detail sketch with measurements of extracted sample)
Coring Operator: BP/CC	Tîrme:	
Weather conditions: DRY		
Core No./Ref: Ch/MP	/ELR Ref:	· · · · · · · · · · · · · · · · · · ·
Offset from the: GPS Coordinates		- 130mm
Core Diameter: 00 mm	Coring type: DRY	
Foundation Condition Cracked / Is the core taken through the crack If so Crack type: Transve		
Did the core barrel lock/jam whilst	cutting: YES	
If Yes, at what depth:	mm	
Condition of core: 6000 D	e-bonded Shattered Partial Recovery	
Depth cored to: [30 n	nm Core length (30 mm	
Nature of material at bottom of cor	e hole:	
Have photos been taken? (general before, core on extraction and down	d core location (YES) NO	
Has sample of sub-base been take	en and bagged: YES NO	(Please detail/comment on any findings during coring)



Project: Sutton on Sea	JOB NO. 08 251017	Core Sketch:
Site:	Date: 24/05/18	(Detail sketch with measurements of extracted sample)
Coring Operator: BP/C.C	Time:	
Weather conditions DLY		
Core No./Ref: Ch/MP/ELR Ref: Direction: Lane:	X Pos: (ns/os etc)	
Direction.	A POS. (Haros etc.)	
Offset from the:	= m	
GPS Coordinates:		1 C = 240mm
Core Diameter: 100 mm Coring type:	WET DRY	1 = CAOmin
Foundation Condition Cracked / Rutted / Settle Is the core taken through the crack: If so Crack type: Transverse Long	ment / Surface Det'r / OK itudinal Crazing	
Did the core barrel lock/jam whilst cutting:	YES NO	
If Yes, at what depth: mm	A ALL DE LES TRA	
Condition of core: Good De-bonded Sh	attered Partial Recovery	
Depth cored to: mm Core ler	ngth mm	
Nature of material at bottom of core hole:		
Have photos been taken? (general core location before, core on extraction and down core hole)	YES NO	
Has sample of sub-base been taken and bagged:	YES NO	(Please detail/comment on any findings during coring)

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Appendix 4:

AECOM Core Photographs





Figure 1 K2 Gridline 1



Figure 2: DD1-2





Figure 3: KW2 Gridline 2



Figure 4: Column Gridline 1





Figure 5: Grid 2 DD-EE2



Figure 6: Grid 2 22-3





Figure 7: Gridline 2 P2



Figure 8: R1-2



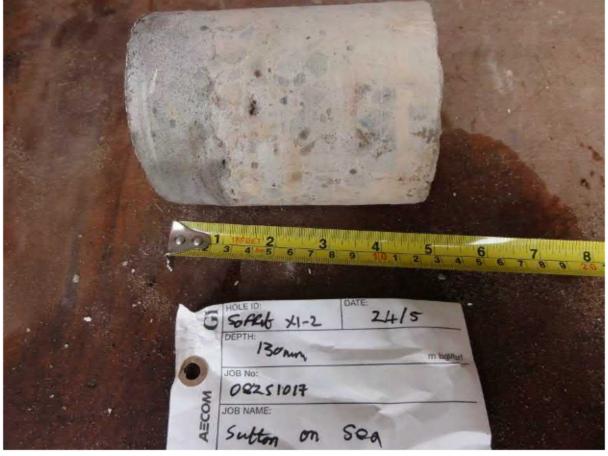


Figure 9: X1-2



Appendix 5:

KCMT Core Photographs















