Asite Ref: LCY10-KTB-XX-ZZ-RP-X-00003 C02

Keltbray Piling

CFA Pile Record

Contract	Project Olympus	**Shift Start/End**	08:00 - 18:00
Contract Number	BE0046	**Drilling - Start Time**	09:13
Weather	Cloudy	**Drilling - Finish Time**	09:41
Rig	4959 (Hired) - Soilmec SR95	**Date Constructed**	30/10/2024
Engineer	Graham Smith	**Completed by**	Graham Smith

Scheduled Pile Details:	**Design Diameter (mm)**		**600**	**Pile Schedule Reference**	**BE0046-SCH-001**	**Pile Rev**	**02**	
Structure	**Pile Number**	**Cut Off Level (mOD)**	**Toe Level (mOD)**	**Top of Reinforcement (mOD)**	**Main Cage Type**	**Tension Bar Type & Quantity**	**Concrete Mix (Design)**	**DC Class**	**Bored Length from PPL (m)**
Bearing	PTP1	3.300	**-26.000**	3.150	PTP	x	C50/60	DC-4	28.900

As-Built Pile Details:

Full instrumentation working on pile commencement: (Y/N)	Y
Was Pile fully or patially re-bored for any reason (Y/N)	N
Was there a concrete blockage observed or recorded during construction? (Y/N)	N
Was Manual Monitoring Employed during Construction (Y/N)	N

	Scheduled as	**Actual**
Platform level (mOD)	2.900	2.900
PPL to PCOL	-0.400	-0.400

Pile Position	**Eastings**	**Northings**
Design	540061.676	180192.209
As-built	540061.670	180192.208
Difference	-0.006	-0.001
Vector (m)	0.006	

Structure	**Pile Number**	**Installed Diameter (mm)**	**Toe Level (mOD)**	**Top of Reinforcement (mOD)**	**Main Cage Type**	**Tension Bar Type & Quantity**	**Concrete Mix (Design)**	**DC Class**	**Bored Length from PPL (m)**
Bearing	PTP1	600	**-26.110**	3.150	PTP	x	C50/60	DC-4	29.010

Electronic Rig Log Review:

Drilling	
Total Number of Auger Revolutions	590
Average Revolutions/m Penetration	20.3

Concreting	
As-Built Volume (m^3)	11.35
Confirm positive auger ebedment throughout concreting (Y/N)	Y
Overbreak %	38%

Detailed Review Required?	**No**

Comments: Obstruction depth & description, Hard boring & time associated, delay time, cage re-inserted? Instrumentaion Failure?	**Comments: Concrete supply issues / delays associated with pile construction**

Sign Off

Site Supervisor	**Checked by Engineer for specification Compliance**	**Reviewed by Project Manger**	**Client**
Graham Smith	**Graham Smith**	**Graham Smith**	

keltbray Piling

CFA Pour Record

Contract:	**Project Olympus**
Contract Number	**BE0046**
Date Constructed:	30/10/2024
Air Temperature during Concreting	16°C

Ticket Number	Rig Reference	Mix Type	Volume	Batch Time	Time on Site	Concrete pump from Agi start	Concrete Finish	Slump (mm)	Cubes Taken	Approximate Pile Number(s)
32072912		C50/60 (PTP)	8	08:58	09:07	09:46	09:56	180	6	PTP1
32072919		C50/60 (PTP)	5	10:10	10:13	10:15	10:44	180		
Totals:			**13 m3**					**$\bar{X}$ = 180**	**6**	

Concreting Comments: Rejected loads, slump failures, water added & quantity, balling, excessive time between loads?, rig/pump calibration?

Mix Name	Strength	DC-Class	MCC	Slump/Flow	Max W/C	Cummulative Daily Volume
C50/60 (PTP)	C50/60	DC-4	400	S4	0.35	13

keltbray Piling

CFA Pile Reinforcement Check Sheet

Contract:	Project Olympus	Pile Number	BE0046	Date Constructed	30/10/2024

Cage Reference:	Type PTP

Description	Check	Frequency	Acceptance Criteria	Pass/Fail
Condition of bars	Visual	Every bar	Bars are free from loose rust and mill scale	✓
Main Bars	Visual & tape	Every cage	Diameter, length, quantity, spacing all in accordance with drawing & schedule.	✓
Shear reinforcement and its spacing	Tape measure	Sample on every cage	In accordance with reinforcement drawing.	✓
Shear reinforcement cover	Visual	Every cage	"Tails" do not extend into cover zone	✓
Wire-ties - quantity	Visual	Every cage		✓
Wire-ties - cover	Visual	Every tie	All ties outside cover zone	✓
Spacers	Visual & tape	Every cage	Max Spacing: < 3m	✓
Pilecor/Horizontal couplers	Visual	Nominated piles	Securely fastened and correct location	N/A
Inclinometer tubes + Joints	Visual	Nominated piles	In accordance with details	N/A
Debonding Foam	Tape	Every cage	In accordance with details	N/A
Overall Cage dimensions	Visual & tape	Every cage	In accordance with reinforcement drawings and specified tolerances	✓
Lifting Points	Visual & tape	Every cage	Correct length of weld as per design and points clearly identified	✓

Comments:

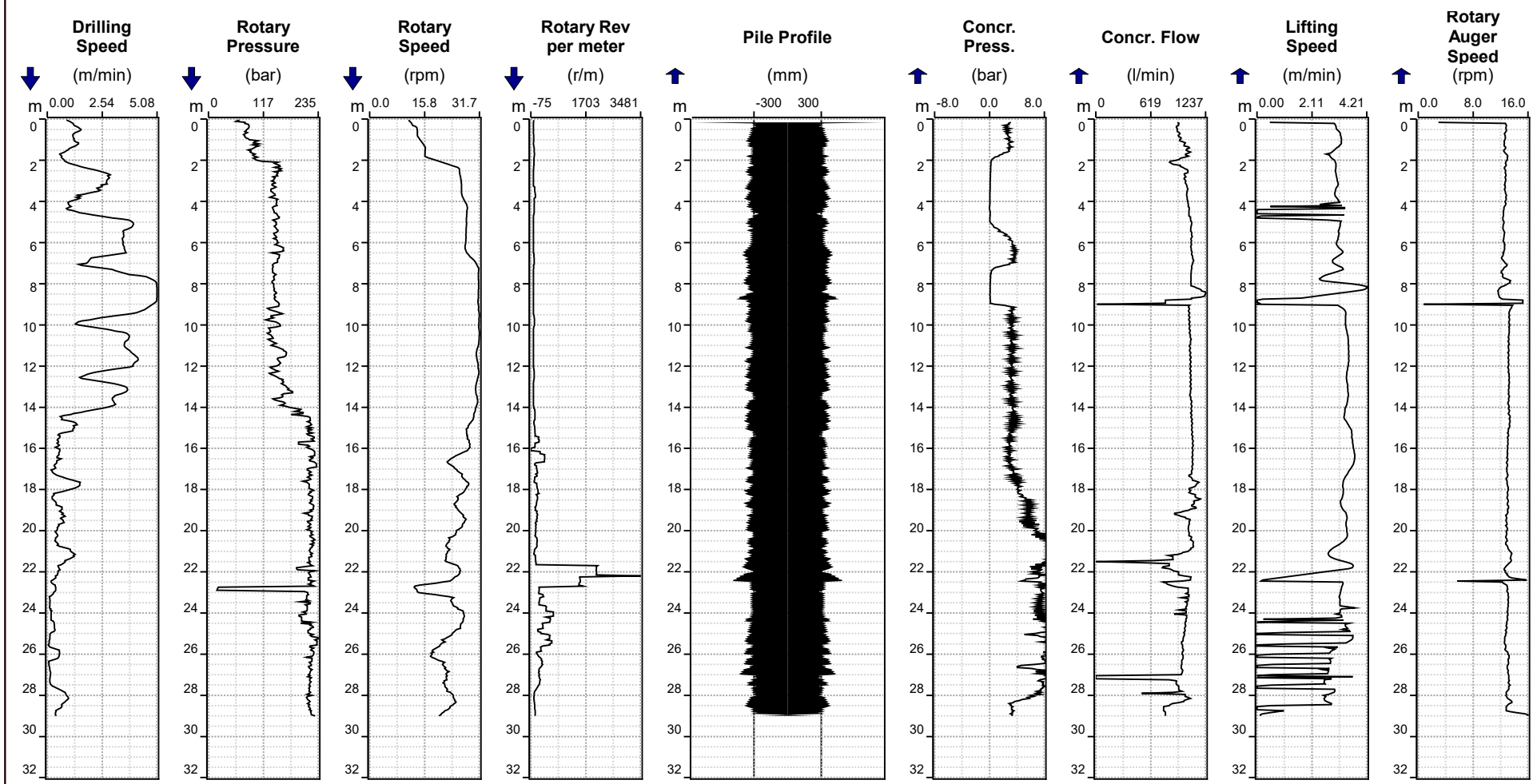
Prelim Test pile cage, full length Helical 120mm c/c doubled up over to 600mm., then from 3 to 12m at 300mm c/c

REINFORCEMENT CAGE CHECKED AND READY FOR LIFTING/INSTALLATION	CHECKED BY	DATE / TIME	REVIEWED BY	DATE / TIME
	Graham Smith	16:46 29/10/2024	N/A	N/A

Site:	**project olyp**	**Site Code:**	**BE046**
Pile:	**TESTPILE**	**Serial Number:**	**SR95-M4959**

Drilling Phase		**Concreting Phase**	
Start:	30/10/2024	Start:	30/10/2024
Time:	09:13:11	Time:	09:46:18
End:	30/10/2024	End:	30/10/2024
Time:	09:41:07	Time:	10:17:54
Design Depth	29.00 m	Concreting Start Depth:	29.01 m
Depth Reached	29.01 m	Total Concrete Volume:	11.35 m³
		Overbreak	38 %
		Total Pump Strokes:	344

Pile Diameter:	600.00 mm
Mast Tilt (X):	0.05 °
Mast Tilt (Y):	-0.03 °



Contract	Project Olympus	**Shift Start/End**	08:00 - 18:00
Contract Number	BE0046	**Drilling - Start Time**	11:08
Weather	Cloudy	**Drilling - Finish Time**	11:13
Rig	4959 (Hired) - Soilmec SR95	**Date Constructed**	31/10/2024
Engineer	Graham Smith	**Completed by**	Graham Smith

Scheduled Pile Details:		**Design Diameter (mm)**		**600**	**Pile Schedule Reference**	**BE0046-SCH-001**	**Pile Rev**	**00**	
Structure	**Pile Number**	**Cut Off Level (mOD)**	**Toe Level (mOD)**	**Top of Reinforcement (mOD)**	**Main Cage Type**	**Tension Bar Type & Quantity**	**Concrete Mix (Design)**	**DC Class**	**Bored Length from PPL (m)**
Bearing	AP1	2.900	**-27.100**	2.750	n/a	2No D47	C32/40	DC-4	30.000

As-Built Pile Details:

Full instrumentation working on pile commencement: (Y/N)	Y
Was Pile fully or patially re-bored for any reason (Y/N)	Y
Was there a concrete blockage observed or recorded during construction? (Y/N)	N
Was Manual Monitoring Employed during Construction (Y/N)	N

	Scheduled as	**Actual**
Platform level (mOD)	2.900	2.900
PPL to PCOL	0.000	0.000

Pile Position	**Eastings**	**Northings**
Design	540058.187	180193.178
As-built	540058.236	180193.180
Difference	0.049	0.002
Vector (m)	0.049	

Structure	**Pile Number**	**Installed Diameter (mm)**	**Toe Level (mOD)**	**Top of Reinforcement (mOD)**	**Main Cage Type**	**Tension Bar Type & Quantity**	**Concrete Mix (Design)**	**DC Class**	**Bored Length from PPL (m)**
Bearing	AP1	600	**-27.210**	3.050	n/a	2No D47	C32/40	DC-4	30.110

Electronic Rig Log Review:

Drilling	
Total Number of Auger Revolutions	126
Average Revolutions/m Penetration	4.2

Concreting	
As-Built Volume (m^3)	11.19
Confirm positive auger ebedment throughout concreting (Y/N)	Y
Overbreak %	31%

Detailed Review Required?	**No**

Comments: Obstruction depth & description, Hard boring & time associated, delay time, cage re-inserted? Instrumentaion Failure?	**Comments: Concrete supply issues / delays associated with pile construction**
Blocked at digging head, first drill took 26 minutes and 529 revolutions.	

Sign Off

Site Supervisor	**Checked by Engineer for specification Compliance**	**Reviewed by Project Manger**	**Client**
Graham Smith	**Graham Smith**	**Graham Smith**	

keltbray Piling

CFA Pour Record

Contract:	**Project Olympus**
Contract Number	**BE0046**
Date Constructed:	31/10/2024
Air Temperature during Concreting	14°C

Ticket Number	Rig Reference	Mix Type	Volume	Batch Time	Time on Site	Concrete pump from Agi start	Concrete Finish	Slump (mm)	Cubes Taken	Approximate Pile Number(s)
32072965	SR95-1	C32/40 40% PFA	8	08:39	08:56	09:27	10:02	190	6	AP3
32072973	SR95-1	C32/40 40% PFA	5	09:31	09:48	10:05	10:18	180		AP3
32072980	SR95-1	C32/40 40% PFA	8	10:34	10:49	10:51	11:25	180		AP1
32072986	SR95-1	C32/40 40% PFA	4	11:10	11:24	11:28	11:37	180		AP1
Totals:			**25 m3**					**$\bar{X}$ = 183**	**6**	

Concreting Comments: Rejected loads, slump failures, water added & quantity, balling, excessive time between loads?, rig/pump calibration?
Approx 0.2m of load used in plant for strength and slump retention testing.

Mix Name	Strength	DC-Class	MCC	Slump/Flow	Max W/C	Cummulative Daily Volume
C32/40 40% PFA	C32/40	DC-4	400	S4	0.35	25

keltbray Piling

CFA Pile Reinforcement Check Sheet

Contract:	Project Olympus	Pile Number	BE0046	Date Constructed	31/10/2024

Cage Reference:	Type n/a

Description	Check	Frequency	Acceptance Criteria	Pass/Fail
Condition of bars	Visual	Every bar	Bars are free from loose rust and mill scale	✓
Main Bars	Visual & tape	Every cage	Diameter, length, quantity, spacing all in accordance with drawing & schedule.	✓
Shear reinforcement and its spacing	Tape measure	Sample on every cage	In accordance with reinforcement drawing.	N/A
Shear reinforcement cover	Visual	Every cage	"Tails" do not extend into cover zone	N/A
Wire-ties - quantity	Visual	Every cage		N/A
Wire-ties - cover	Visual	Every tie	All ties outside cover zone	N/A
Spacers	Visual & tape	Every cage	Max Spacing: < 3m	N/A
Pilecor/Horizontal couplers	Visual	Nominated piles	Securely fastened and correct location	N/A
Inclinometer tubes + Joints	Visual	Nominated piles	In accordance with details	N/A
Debonding Foam	Tape	Every cage	In accordance with details	N/A
Overall Cage dimensions	Visual & tape	Every cage	In accordance with reinforcement drawings and specified tolerances	✓
Lifting Points	Visual & tape	Every cage	Correct length of weld as per design and points clearly identified	N/A

Comments:

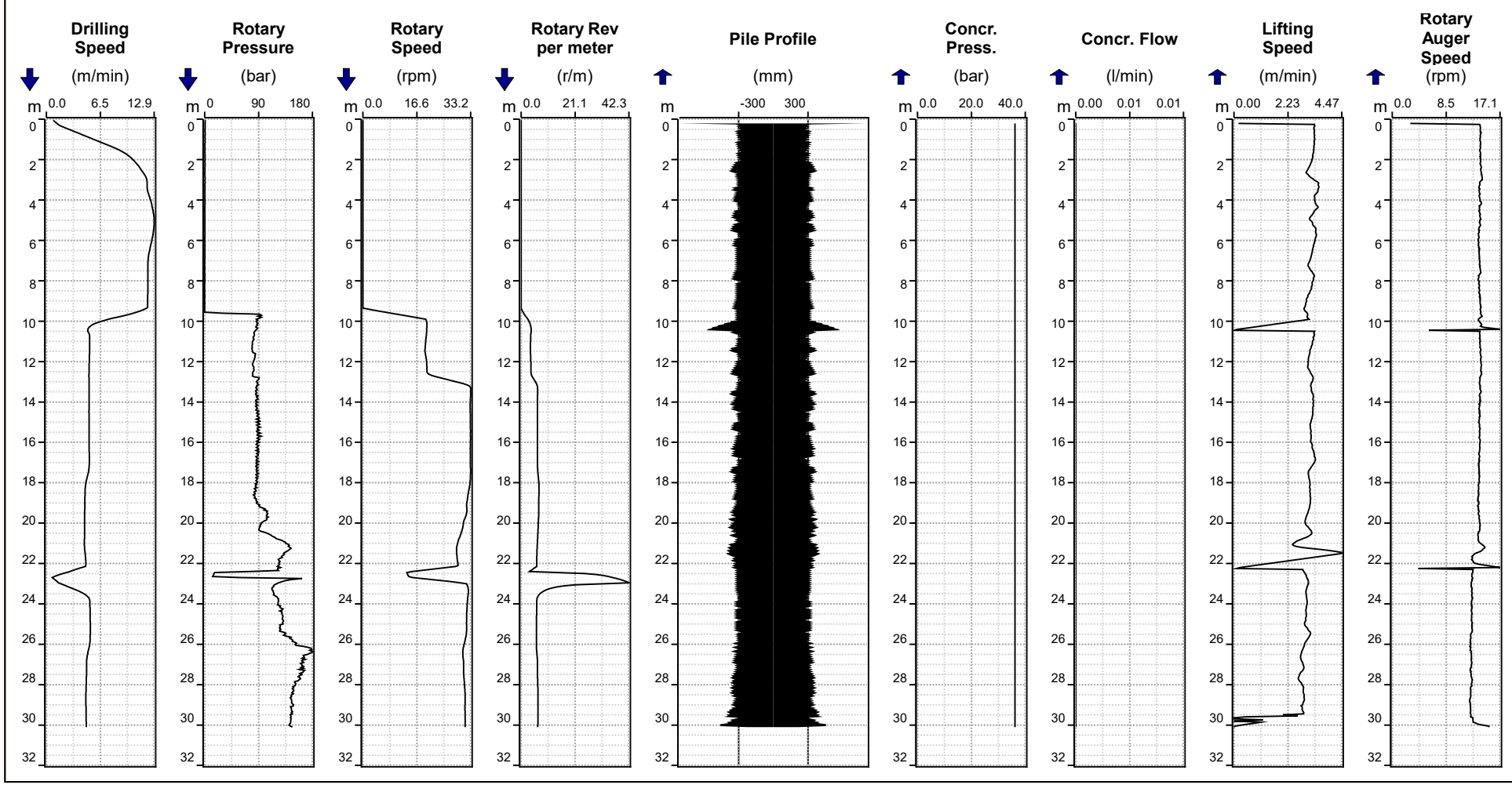
Check for tension bars, D47mm 2 x 12m and 1 x 6m per anchor pile, total 2no bar per anchor.

REINFORCEMENT CAGE CHECKED AND READY FOR LIFTING/INSTALLATION	CHECKED BY	DATE / TIME	REVIEWED BY	DATE / TIME
	Graham Smith	16:47 29/10/2024	N/A	N/A

Site:	**project olyp**	**Site Code:**	**BE046**
Pile:	**AP1A**	**Serial Number:**	**SR95-M4959**

Drilling Phase		**Concreting Phase**	
Start:	31/10/2024	Start:	31/10/2024
Time:	11:08:02	Time:	11:14:38
End:	31/10/2024	End:	31/10/2024
Time:	11:13:43	Time:	11:36:57
Design Depth	30.00 m	Concreting Start Depth:	30.11 m
Depth Reached	30.11 m	Total Concrete Volume:	11.19 m³
		Overbreak	31 %
		Total Pump Strokes:	340

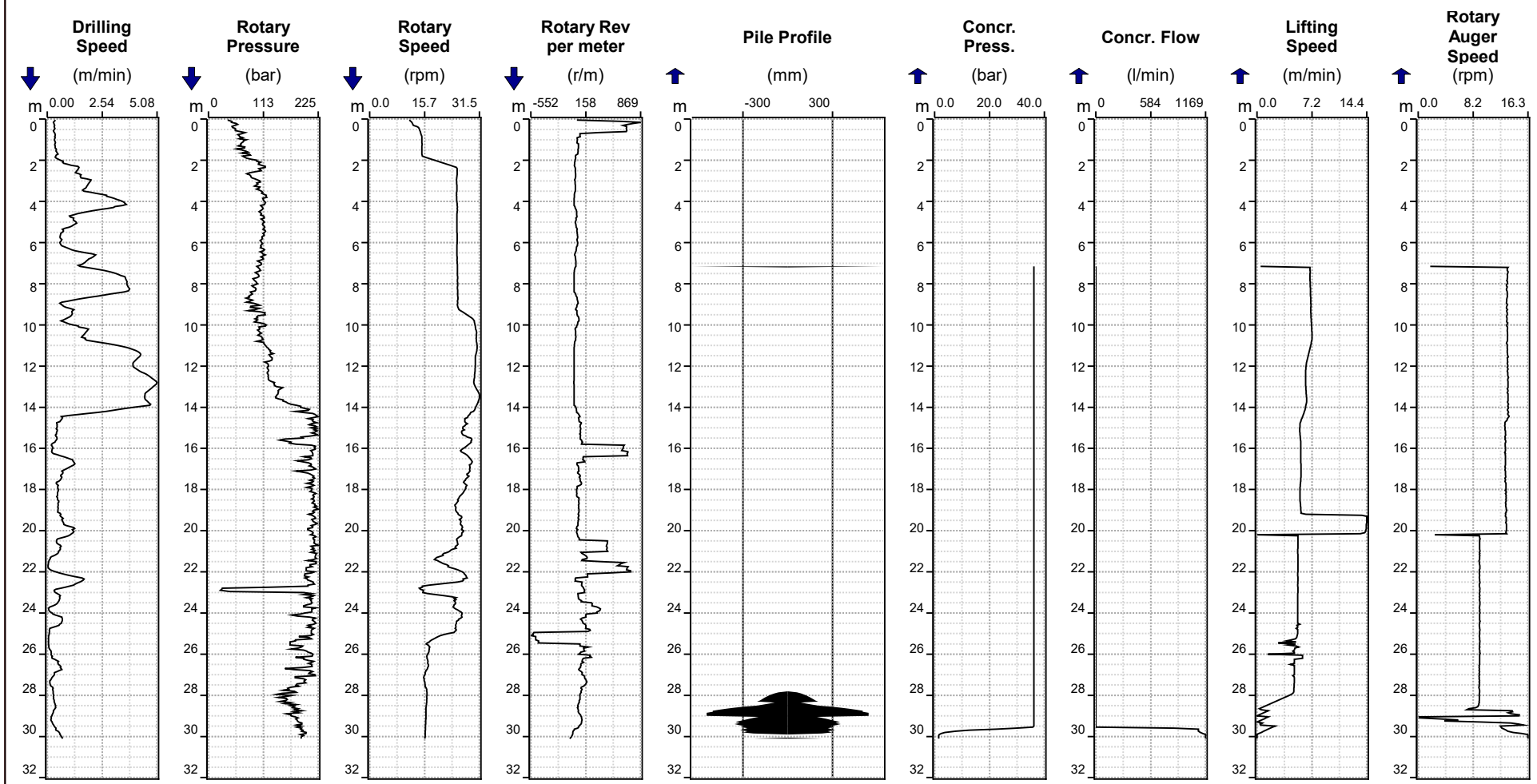
Pile Diameter:	600.00 mm
Mast Tilt (X):	0.15 °
Mast Tilt (Y):	0.14 °



Site:	**project olyp**	**Site Code:**	**BE046**
Pile:	**AP1**	**Serial Number:**	**SR95-M4959**

Drilling Phase		**Concreting Phase**	
Start:	31/10/2024	Start:	31/10/2024
Time:	10:26:40	Time:	10:54:01
End:	31/10/2024	End:	31/10/2024
Time:	10:52:50	Time:	11:05:26
Design Depth	29.50 m	Concreting Start Depth:	30.15 m
Depth Reached	30.15 m	Total Concrete Volume:	0.99 m³
		Total Pump Strokes:	30

Pile Diameter:	600.00 mm
Mast Tilt (X):	0.14 °
Mast Tilt (Y):	-0.26 °



Contract	Project Olympus	**Shift Start/End**	08:00 - 18:00
Contract Number	BE0046	**Drilling - Start Time**	13:35
Weather	Cloudy	**Drilling - Finish Time**	14:07
Rig	4959 (Hired) - Soilmec SR95	**Date Constructed**	29/10/2024
Engineer	Graham Smith	**Completed by**	Graham Smith

Scheduled Pile Details:	**Design Diameter (mm)**		**600**	**Pile Schedule Reference**	**BE0046-SCH-001**	**Pile Rev**	**00**	
Structure	**Pile Number**	**Cut Off Level (mOD)**	**Toe Level (mOD)**	**Top of Reinforcement (mOD)**	**Main Cage Type**	**Tension Bar Type & Quantity**	**Concrete Mix (Design)**	**DC Class**	**Bored Length from PPL (m)**
Bearing	AP2	2.900	**-27.100**	2.750	n/a	2No D47	C32/40	DC-4	30.000

As-Built Pile Details:

Full instrumentation working on pile commencement: (Y/N)	Y
Was Pile fully or patially re-bored for any reason (Y/N)	N
Was there a concrete blockage observed or recorded during construction? (Y/N)	N
Was Manual Monitoring Employed during Construction (Y/N)	N

	Scheduled as	**Actual**
Platform level (mOD)	2.900	2.900
PPL to PCOL	0.000	0.000

Pile Position	**Eastings**	**Northings**
Design	540062.089	180195.799
As-built	540062.086	180195.818
Difference	-0.003	0.019
Vector (m)	0.019	

Structure	**Pile Number**	**Installed Diameter (mm)**	**Toe Level (mOD)**	**Top of Reinforcement (mOD)**	**Main Cage Type**	**Tension Bar Type & Quantity**	**Concrete Mix (Design)**	**DC Class**	**Bored Length from PPL (m)**
Bearing	AP2	600	**-27.150**	3.100	n/a	2 x D47	C32/40	DC-4	30.050

Electronic Rig Log Review:

Drilling	
Total Number of Auger Revolutions	726
Average Revolutions/m Penetration	24.2

Concreting	
As-Built Volume (m^3)	11.39
Confirm positive auger ebedment throughout concreting (Y/N)	Y
Overbreak %	34%

Detailed Review Required?	**No**

Comments: Obstruction depth & description, Hard boring & time associated, delay time, cage re-inserted? Instrumentaion Failure?	**Comments: Concrete supply issues / delays associated with pile construction**

Sign Off

Site Supervisor	**Checked by Engineer for specification Compliance**	**Reviewed by Project Manger**	**Client**
Graham Smith	**Graham Smith**	**Graham Smith**	

keltbray Piling

CFA Pour Record

Contract:	**Project Olympus**
Contract Number	**BE0046**
Date Constructed:	29/10/2024
Air Temperature during Concreting	15°C

Ticket Number	Rig Reference	Mix Type	Volume	Batch Time	Time on Site	Concrete pump from Agi start	Concrete Finish	Slump (mm)	Cubes Taken	Approximate Pile Number(s)
32072861	SR95-1	C32/40 40% PFA	8	10:42	10:53	11:09	13:04	180	6	AP4
32072872	SR95-1	C32/40 40% PFA	6	12:23	12:33	13:05	13:18	180		AP4
32072884	SR95-1	C32/40 40% PFA	8	13:48	14:03	14:03	14:19	180		AP2
32072888	SR95-1	C32/40 40% PFA	3	14:22	14:32	14:32	14:39	180		AP2
Totals:			**25 m3**					**$\bar{X}$ = 180**	**6**	

Concreting Comments: Rejected loads, slump failures, water added & quantity, balling, excessive time between loads?, rig/pump calibration?

Mix Name	Strength	DC-Class	MCC	Slump/Flow	Max W/C	Cummulative Daily Volume
C32/40 40% PFA	C32/40	DC-4	400	S4	0.35	25

keltbray Piling

CFA Pile Reinforcement Check Sheet

Contract:	Project Olympus	Pile Number	BE0046	Date Constructed	29/10/2024

Cage Reference:	Type n/a

Description	Check	Frequency	Acceptance Criteria	Pass/Fail
Condition of bars	Visual	Every bar	Bars are free from loose rust and mill scale	✓
Main Bars	Visual & tape	Every cage	Diameter, length, quantity, spacing all in accordance with drawing & schedule.	✓
Shear reinforcement and its spacing	Tape measure	Sample on every cage	In accordance with reinforcement drawing.	N/A
Shear reinforcement cover	Visual	Every cage	"Tails" do not extend into cover zone	N/A
Wire-ties - quantity	Visual	Every cage		N/A
Wire-ties - cover	Visual	Every tie	All ties outside cover zone	N/A
Spacers	Visual & tape	Every cage	Max Spacing: < 3m	N/A
Pilecor/Horizontal couplers	Visual	Nominated piles	Securely fastened and correct location	N/A
Inclinometer tubes + Joints	Visual	Nominated piles	In accordance with details	N/A
Debonding Foam	Tape	Every cage	In accordance with details	N/A
Overall Cage dimensions	Visual & tape	Every cage	In accordance with reinforcement drawings and specified tolerances	✓
Lifting Points	Visual & tape	Every cage	Correct length of weld as per design and points clearly identified	N/A

Comments:

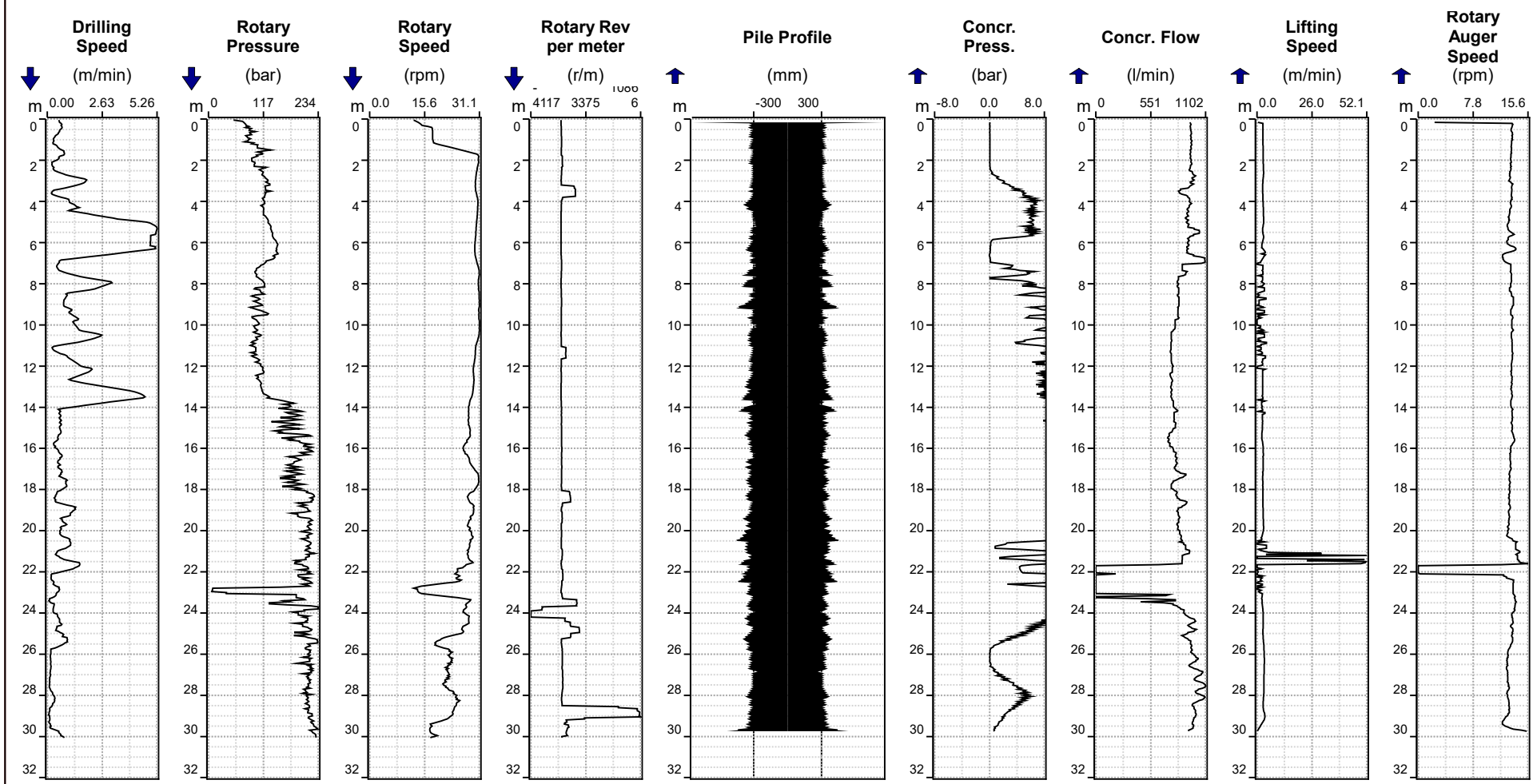
Check for tension bars, D47mm 2 x 12m and 1 x 6m per anchor pile, total 2no bar per anchor.

REINFORCEMENT CAGE CHECKED AND READY FOR LIFTING/INSTALLATION	CHECKED BY	DATE / TIME	REVIEWED BY	DATE / TIME
	Graham Smith	16:47 29/10/2024	N/A	N/A

Site:	**project olyp**	**Site Code:**	**BE046**
Pile:	**AP2**	**Serial Number:**	**SR95-M4959**

Drilling Phase		**Concreting Phase**	
Start:	29/10/2024	Start:	29/10/2024
Time:	13:35:33	Time:	14:08:39
End:	29/10/2024	End:	29/10/2024
Time:	14:07:37	Time:	14:36:10
Design Depth	30.00 m	Concreting Start Depth:	29.79 m
Depth Reached	30.05 m	Total Concrete Volume:	11.39 m³
		Overbreak	34 %
		Total Pump Strokes:	370

Pile Diameter:	600.00 mm
Mast Tilt (X):	0.02 °
Mast Tilt (Y):	0.07 °



Contract	Project Olympus	**Shift Start/End**	08:00 - 18:00
Contract Number	BE0046	**Drilling - Start Time**	09:06
Weather	Cloudy	**Drilling - Finish Time**	09:51
Rig	4959 (Hired) - Soilmec SR95	**Date Constructed**	31/10/2024
Engineer	Graham Smith	**Completed by**	Graham Smith

Scheduled Pile Details:		**Design Diameter (mm)**		**600**	**Pile Schedule Reference**	**BE0046-SCH-001**	**Pile Rev**	**02**	
Structure	**Pile Number**	**Cut Off Level (mOD)**	**Toe Level (mOD)**	**Top of Reinforcement (mOD)**	**Main Cage Type**	**Tension Bar Type & Quantity**	**Concrete Mix (Design)**	**DC Class**	**Bored Length from PPL (m)**
Bearing	AP3	2.900	**-27.100**	2.750	n/a	2No D47	C32/40	DC-4	30.000

As-Built Pile Details:

Full instrumentation working on pile commencement: (Y/N)	Y
Was Pile fully or patially re-bored for any reason (Y/N)	N
Was there a concrete blockage observed or recorded during construction? (Y/N)	N
Was Manual Monitoring Employed during Construction (Y/N)	N

	Scheduled as	**Actual**
Platform level (mOD)	2.900	2.900
PPL to PCOL	0.000	0.000

Pile Position	**Eastings**	**Northings**
Design	540065.159	180191.235
As-built	540065.170	180191.253
Difference	0.011	0.018
Vector (m)	0.021	

Structure	**Pile Number**	**Installed Diameter (mm)**	**Toe Level (mOD)**	**Top of Reinforcement (mOD)**	**Main Cage Type**	**Tension Bar Type & Quantity**	**Concrete Mix (Design)**	**DC Class**	**Bored Length from PPL (m)**
Bearing	AP3	600	**-30.110**	3.100	n/a	2No D47	C32/40	DC-4	33.010

Electronic Rig Log Review:

Drilling	
Total Number of Auger Revolutions	984
Average Revolutions/m Penetration	29.8

Concreting	
As-Built Volume (m^3)	12.11
Confirm positive auger ebedment throughout concreting (Y/N)	Y
Overbreak %	30%

Detailed Review Required?	**Yes**

Comments: Obstruction depth & description, Hard boring & time associated, delay time, cage re-inserted? Instrumentaion Failure?	**Comments: Concrete supply issues / delays associated with pile construction**
Pile drilled to 33m to check if hard bands on borehole logs could be drilled.	

Sign Off

Site Supervisor	**Checked by Engineer for specification Compliance**	**Reviewed by Project Manger**	**Client**
Graham Smith	**Graham Smith**	**Graham Smith**	

keltbray Piling

CFA Pour Record

Contract:	**Project Olympus**
Contract Number	**BE0046**
Date Constructed:	31/10/2024
Air Temperature during Concreting	14°C

Ticket Number	Rig Reference	Mix Type	Volume	Batch Time	Time on Site	Concrete pump from Agi start	Concrete Finish	Slump (mm)	Cubes Taken	Approximate Pile Number(s)
32072965	SR95-1	C32/40 40% PFA	8	08:39	08:56	09:27	10:02	190	6	AP3
32072973	SR95-1	C32/40 40% PFA	5	09:31	09:48	10:05	10:18	180		AP3
32072980	SR95-1	C32/40 40% PFA	8	10:34	10:49	10:51	11:25	180		AP1
32072986	SR95-1	C32/40 40% PFA	4	11:10	11:24	11:28	11:37	180		AP1
Totals:			**25 m3**					**$\bar{X}$ = 183**	**6**	

Concreting Comments: Rejected loads, slump failures, water added & quantity, balling, excessive time between loads?, rig/pump calibration?
Approx 0.2m of load used in plant for strength and slump retention testing.

Mix Name	Strength	DC-Class	MCC	Slump/Flow	Max W/C	Cummulative Daily Volume
C32/40 40% PFA	C32/40	DC-4	400	S4	0.35	25

keltbray Piling

CFA Pile Reinforcement Check Sheet

Contract:	Project Olympus	Pile Number	BE0046	Date Constructed	31/10/2024

Cage Reference:	Type n/a

Description	Check	Frequency	Acceptance Criteria	Pass/Fail
Condition of bars	Visual	Every bar	Bars are free from loose rust and mill scale	✓
Main Bars	Visual & tape	Every cage	Diameter, length, quantity, spacing all in accordance with drawing & schedule.	✓
Shear reinforcement and its spacing	Tape measure	Sample on every cage	In accordance with reinforcement drawing.	N/A
Shear reinforcement cover	Visual	Every cage	"Tails" do not extend into cover zone	N/A
Wire-ties - quantity	Visual	Every cage		N/A
Wire-ties - cover	Visual	Every tie	All ties outside cover zone	N/A
Spacers	Visual & tape	Every cage	Max Spacing: < 3m	N/A
Pilecor/Horizontal couplers	Visual	Nominated piles	Securely fastened and correct location	N/A
Inclinometer tubes + Joints	Visual	Nominated piles	In accordance with details	N/A
Debonding Foam	Tape	Every cage	In accordance with details	N/A
Overall Cage dimensions	Visual & tape	Every cage	In accordance with reinforcement drawings and specified tolerances	✓
Lifting Points	Visual & tape	Every cage	Correct length of weld as per design and points clearly identified	N/A

Comments:

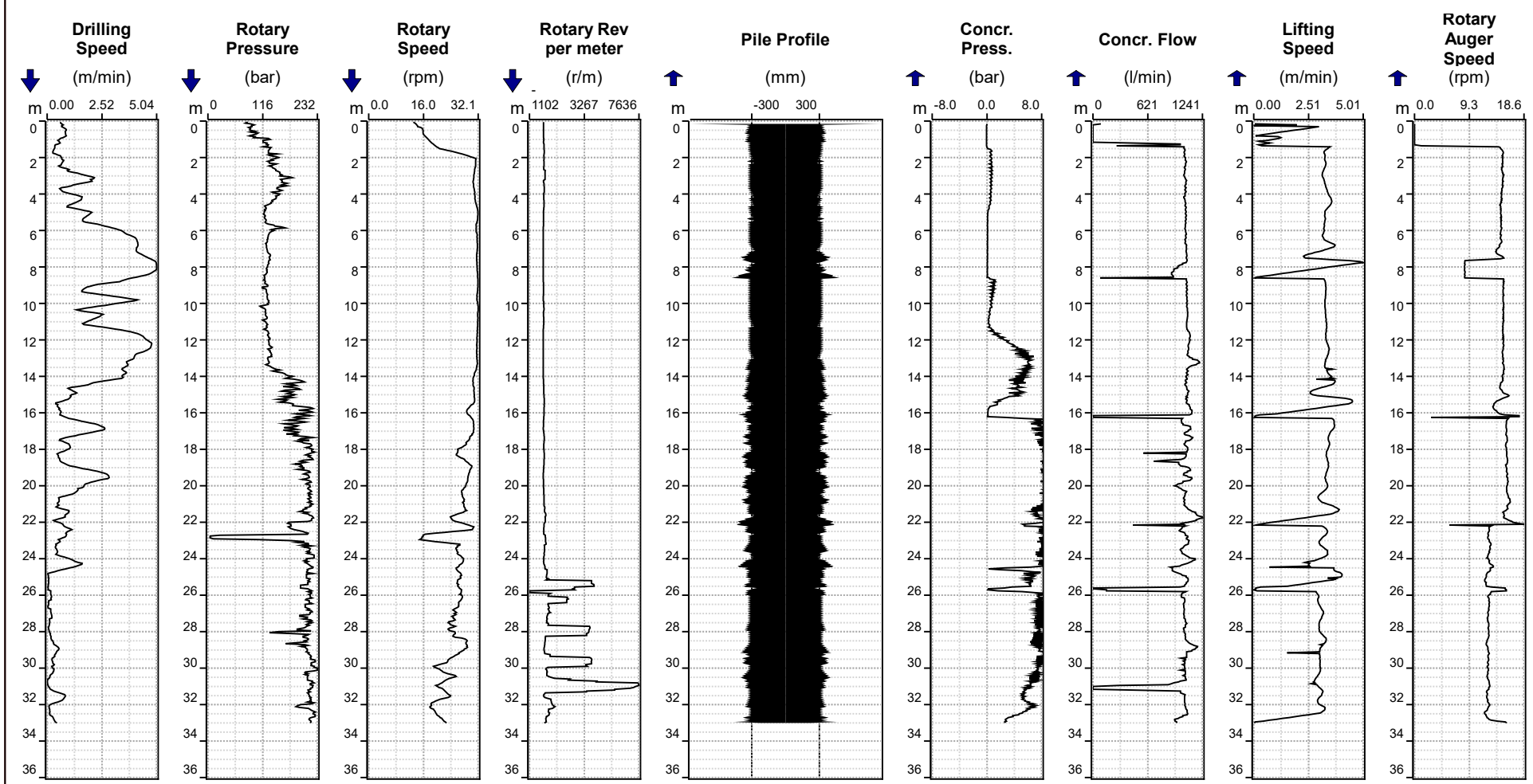
Check for tension bars, D47mm 2 x 12m and 1 x 6m per anchor pile, total 2no bar per anchor.

REINFORCEMENT CAGE CHECKED AND READY FOR LIFTING/INSTALLATION	CHECKED BY	DATE / TIME	REVIEWED BY	DATE / TIME
	Graham Smith	16:47 29/10/2024	N/A	N/A

Site:	**project olyp**	**Site Code:**	**BE046**
Pile:	**AP3**	**Serial Number:**	**SR95-M4959**

Drilling Phase		**Concreting Phase**	
Start:	31/10/2024	Start:	31/10/2024
Time:	09:06:28	Time:	09:52:45
End:	31/10/2024	End:	31/10/2024
Time:	09:51:27	Time:	10:17:18
Design Depth	33.00 m	Concreting Start Depth:	33.01 m
Depth Reached	33.01 m	Total Concrete Volume:	12.11 m³
		Overbreak	30 %
		Total Pump Strokes:	369

Pile Diameter:	600.00 mm
Mast Tilt (X):	-0.03 °
Mast Tilt (Y):	-0.11 °



Contract	Project Olympus	**Shift Start/End**	08:00 - 18:00
Contract Number	BE0046	**Drilling - Start Time**	12:49
Weather	Cloudy	**Drilling - Finish Time**	12:55
Rig	4959 (Hired) - Soilmec SR95	**Date Constructed**	29/10/2024
Engineer	Graham Smith	**Completed by**	Graham Smith

Scheduled Pile Details:		**Design Diameter (mm)**		**600**	**Pile Schedule Reference**	**BE0046-SCH-001**	**Pile Rev**	**02**	
Structure	**Pile Number**	**Cut Off Level (mOD)**	**Toe Level (mOD)**	**Top of Reinforcement (mOD)**	**Main Cage Type**	**Tension Bar Type & Quantity**	**Concrete Mix (Design)**	**DC Class**	**Bored Length from PPL (m)**
Bearing	AP4	2.900	**-27.100**	2.750	n/a	2No D47	C32/40	DC-4	30.000

As-Built Pile Details:

Full instrumentation working on pile commencement: (Y/N)	Y
Was Pile fully or patially re-bored for any reason (Y/N)	Y
Was there a concrete blockage observed or recorded during construction? (Y/N)	N
Was Manual Monitoring Employed during Construction (Y/N)	N

	Scheduled as	**Actual**
Platform level (mOD)	2.900	2.900
PPL to PCOL	0.000	0.000

Pile Position	**Eastings**	**Northings**
Design	540061.263	180188.619
As-built	540061.237	180188.586
Difference	-0.026	-0.033
Vector (m)	0.042	

Structure	**Pile Number**	**Installed Diameter (mm)**	**Toe Level (mOD)**	**Top of Reinforcement (mOD)**	**Main Cage Type**	**Tension Bar Type & Quantity**	**Concrete Mix (Design)**	**DC Class**	**Bored Length from PPL (m)**
Bearing	AP4	600	**-27.170**	5.400	n/a	2No D47	C32/40	DC-4	30.070

Electronic Rig Log Review:

Drilling	
Total Number of Auger Revolutions	121
Average Revolutions/m Penetration	4.0

Concreting	
As-Built Volume (m^3)	10.44
Confirm positive auger ebedment throughout concreting (Y/N)	Y
Overbreak %	23%

Detailed Review Required?	**No**

Comments: Obstruction depth & description, Hard boring & time associated, delay time, cage re-inserted? Instrumentaion Failure?	**Comments: Concrete supply issues / delays associated with pile construction**
Block at digging head with rebar wrapped around head, first drilling took 35 minutes and 790 revelations.	

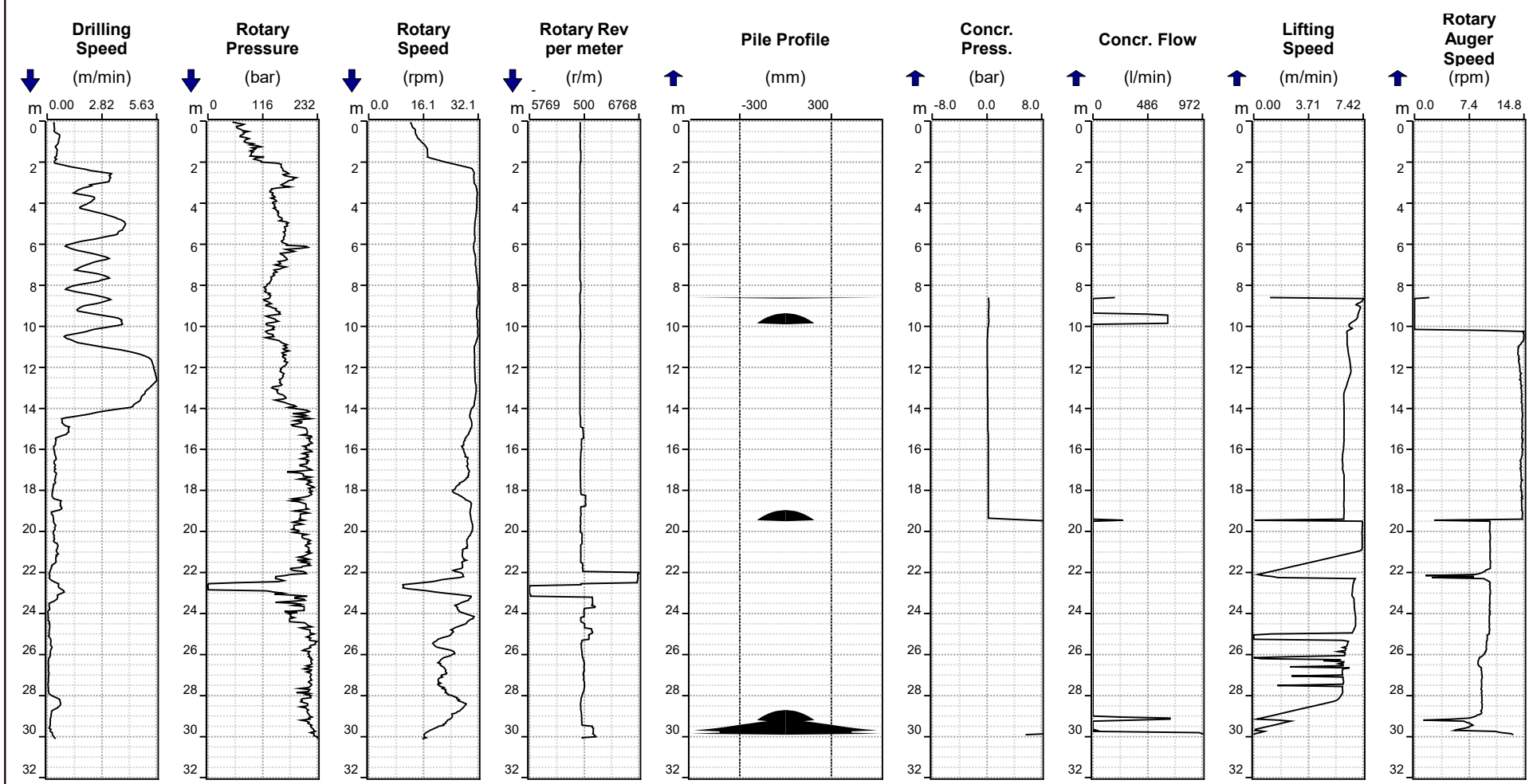
Sign Off

Site Supervisor	**Checked by Engineer for specification Compliance**	**Reviewed by Project Manger**	**Client**
Graham Smith	**Graham Smith**	**Graham Smith**	

Site:	**project olyp**	**Site Code:**	**BE046**
Pile:	**AP4**	**Serial Number:**	**SR95-M4959**

Drilling Phase		**Concreting Phase**	
Start:	29/10/2024	Start:	29/10/2024
Time:	11:58:33	Time:	12:34:52
End:	29/10/2024	End:	29/10/2024
Time:	12:33:56	Time:	12:43:38
Design Depth	30.00 m	Concreting Start Depth:	29.93 m
Depth Reached	30.12 m	Total Concrete Volume:	0.65 m³
		Total Pump Strokes:	21

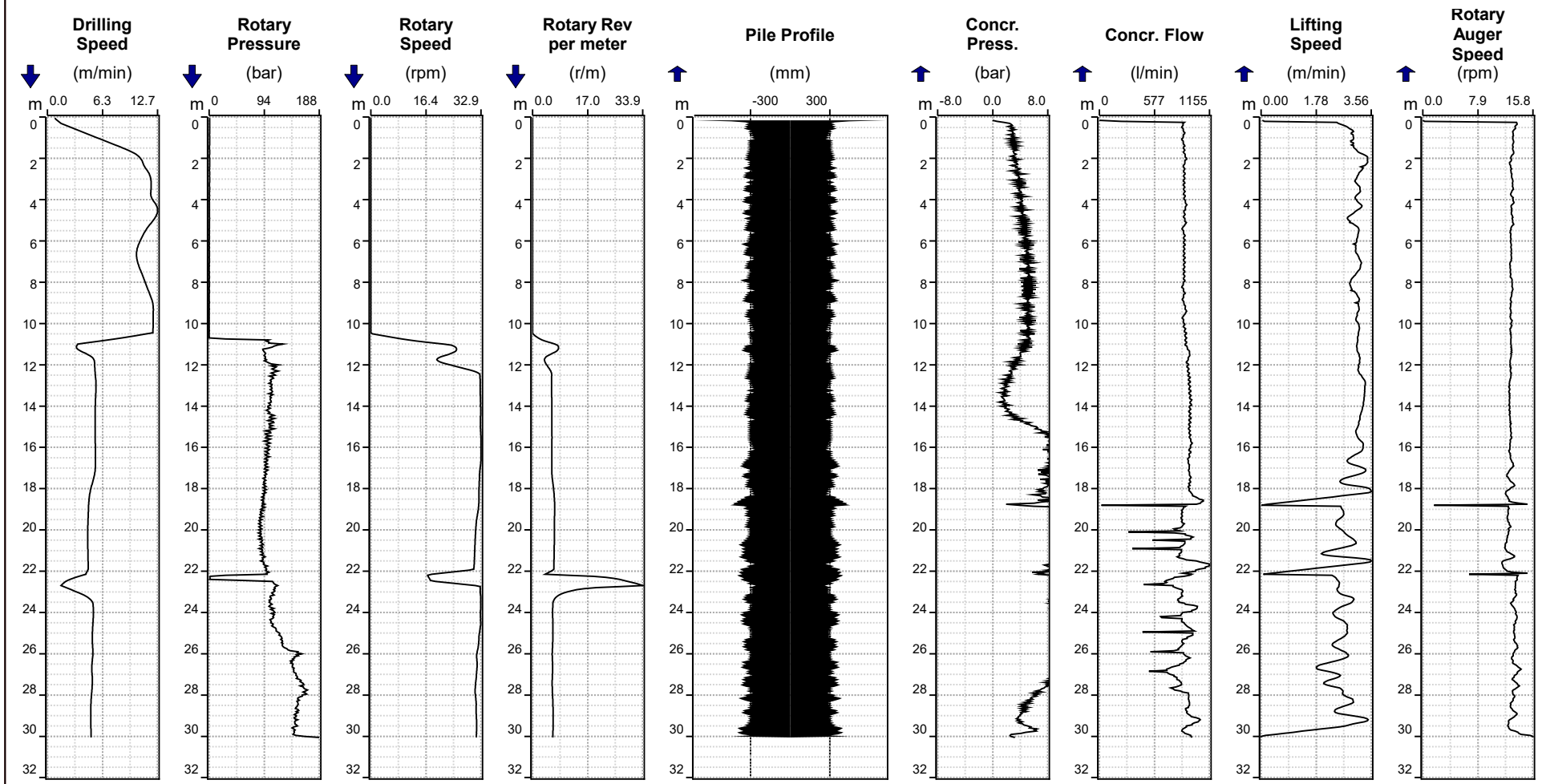
Pile Diameter:	600.00 mm
Mast Tilt (X):	-0.13 °
Mast Tilt (Y):	-0.03 °



Site:	**project olyp**	**Site Code:**	**BE046**
Pile:	**AP4A**	**Serial Number:**	**SR95-M4959**

Drilling Phase		**Concreting Phase**	
Start:	29/10/2024	Start:	29/10/2024
Time:	12:49:55	Time:	12:56:08
End:	29/10/2024	End:	29/10/2024
Time:	12:55:23	Time:	13:13:44
Design Depth	30.00 m	Concreting Start Depth:	30.07 m
Depth Reached	30.07 m	Total Concrete Volume:	10.44 m³
		Overbreak	23 %
		Total Pump Strokes:	339

Pile Diameter:	600.00 mm
Mast Tilt (X):	-0.08 °
Mast Tilt (Y):	0.03 °



keltbray Piling

CFA Pour Record

Contract:	**Project Olympus**
Contract Number	**BE0046**
Date Constructed:	29/10/2024
Air Temperature during Concreting	15°C

Ticket Number	Rig Reference	Mix Type	Volume	Batch Time	Time on Site	Concrete pump from Agi start	Concrete Finish	Slump (mm)	Cubes Taken	Approximate Pile Number(s)
32072861	SR95-1	C32/40 40% PFA	8	10:42	10:53	11:09	13:04	180	6	AP4
32072872	SR95-1	C32/40 40% PFA	6	12:23	12:33	13:05	13:18	180		AP4
32072884	SR95-1	C32/40 40% PFA	8	13:48	14:03	14:03	14:19	180		AP2
32072888	SR95-1	C32/40 40% PFA	3	14:22	14:32	14:32	14:39	180		AP2
Totals:			**25 m3**					**$\bar{X}$ = 180**	**6**	

Concreting Comments: Rejected loads, slump failures, water added & quantity, balling, excessive time between loads?, rig/pump calibration?

Mix Name	Strength	DC-Class	MCC	Slump/Flow	Max W/C	Cummulative Daily Volume
C32/40 40% PFA	C32/40	DC-4	400	S4	0.35	25

keltbray Piling

CFA Pile Reinforcement Check Sheet

Contract:	Project Olympus	Pile Number	BE0046	Date Constructed	29/10/2024

Cage Reference:	Type n/a

Description	Check	Frequency	Acceptance Criteria	Pass/Fail
Condition of bars	Visual	Every bar	Bars are free from loose rust and mill scale	✓
Main Bars	Visual & tape	Every cage	Diameter, length, quantity, spacing all in accordance with drawing & schedule.	✓
Shear reinforcement and its spacing	Tape measure	Sample on every cage	In accordance with reinforcement drawing.	N/A
Shear reinforcement cover	Visual	Every cage	"Tails" do not extend into cover zone	N/A
Wire-ties - quantity	Visual	Every cage		N/A
Wire-ties - cover	Visual	Every tie	All ties outside cover zone	N/A
Spacers	Visual & tape	Every cage	Max Spacing: < 3m	N/A
Pilecor/Horizontal couplers	Visual	Nominated piles	Securely fastened and correct location	N/A
Inclinometer tubes + Joints	Visual	Nominated piles	In accordance with details	N/A
Debonding Foam	Tape	Every cage	In accordance with details	N/A
Overall Cage dimensions	Visual & tape	Every cage	In accordance with reinforcement drawings and specified tolerances	✓
Lifting Points	Visual & tape	Every cage	Correct length of weld as per design and points clearly identified	N/A

Comments:

Check for tension bars, D47mm 2 x 12m and 1 x 6m per anchor pile, total 2no bars per anchor.

REINFORCEMENT CAGE CHECKED AND READY FOR LIFTING/INSTALLATION	CHECKED BY	DATE / TIME	REVIEWED BY	DATE / TIME
	Graham Smith	16:47 29/10/2024	N/A	N/A