HALEY& ALDRICH

WEEKLY FIELD REPORT

Project OCEAN GATEWAY PARKING GARAGE Report No.

Location PORTLAND, MAINE Period From 25 June 2007
To 29 June 2007

ClientRIVERWALK, LLC.Page1 of 3ContractorLEDGEWOOD CONSTRUCTION (CM)File No.30322-030

SHAW BROTHERS CONSTRUCTION (EARTHWORK)
G. DONALDSON CONSTRUCTION (PILE DRIVING)

6

I. CONTRACTOR'S ACTIVITIES:

Monday, June 25, 2007 (60 degrees, overcast, rain at 0645)

- 1. G. Donaldson completed installation of 14 HP 14x102 steel production piles at column lines E-1.9/2.1, C-1.9/2.1 and B-1.9/2.1 using a using a Junttan PM30 piling rig with a Junttan HHK-9A hydraulic hammer (see Figure 1). See the attached Daily Summary of Steel H-Pile Installation sheet for pile numbers and final driving data for the piles installed today.
- 2. G. Donaldson spliced Pile Nos. 163, 160, 158, 159, 162, 152, 154, 153, 155, 157, 156 and 161 using a Champion (mechanical) splice.
- 3. G. Donaldson cutoff Pile Nos. 89, 91 and 93. Additional cutoff will be required to reach the design cutoff elevation.
- 4. Shaw Bros. did not conduct any earthwork activities today.

Tuesday, June 26, 2007 (65 degrees, sunny at 0700)

- 1. G. Donaldson completed installation of 16 HP 12x53 and 12 HP 14x102 steel production piles at column lines D-3, C-3, A-2.7, A.2-2.7, A-3, A.2-3, E-2.8, E-3.1, D-3.1, C-2.8, E-3 and C-3 using a using a Junttan PM30 piling rig with a Junttan HHK-9A hydraulic hammer (see Figure 1). See the attached Daily Summary of Steel H-Pile Installation sheet for pile numbers and final driving data for the piles installed today.
- 2. G. Donaldson began installation of two HP 12x53 (Pile Nos. 135 and 159) and three HP 14x102 (Pile Nos. 136, 138 and 139) steel production piles using a Juntan PM30 piling rig with a Juntan HHK-9A hydraulic hammer. Piles did not achieve the axial design capacity after end of initial driving (i.e., piles were not long enough). Excavation around piles and/or splicing will be required in order to complete pile installation.
- 3. G. Donaldson cutoff Pile Nos. 77, 96, 78, 79, 80, 81, 98, 82, 100, 85, 87, 84, 106, 105, 104, 103, 102, 127, 126, 125, 101, 97, 129, 130, 131, 128, 134, 133, 124, 122, 123, 121, 141, 142, 132, 115, 116, 107, 108, 109, 110, 118, 120, 111, 112, 113, 114, 99, 156, 157, 155, 162, 153, 154, 164, 152, 161, 163, 158, 160 and 159. Additional cutoff will be required to reach the design cutoff elevation.
- 4. G. Donaldson cutoff Pile Nos. 13-24 to the final design cutoff elevation.
- 5. Shaw Bros. did not conduct any earthwork activities today.

Wednesday, June 27, 2007 (70 degrees, sunny at 0645)

- 1. G. Donaldson spliced Pile Nos. 135-140 using a Champion (mechanical) splice.
- 2. G. Donaldson completed installation of three HP 12x53 (Pile Nos. 135, 140 and 159) and eleven HP 14x102 (Pile Nos. 136-139 and 144-150) using a using a Junttan PM30 piling rig with a Junttan HHK-9A hydraulic hammer (see Figure 1). See the attached Daily Summary of Steel H-Pile Installation sheet for pile numbers and final driving data for the piles installed today.
- 3. G. Donaldson cutoff Pile Nos.135-140 and 144-150) at existing ground surface. Additional cutoff will be required to reach the design cutoff elevation.
- 4. Shaw did not conduct any construction activities today.

Thursday, June 28, 2007 (70 degrees, sunny at 0645)

1. Shaw Bros. did not conduct any earthwork activities today.

HALEY& ALDRICH

WEEKLY FIELD REPORT

Project OCEAN GATEWAY PARKING GARAGE Report No. 6

Location PORTLAND, MAINE Period From 25 June 2007
To 29 June 2007

Client RIVERWALK, LLC. Page 2 of 3
Contractor LEDGEWOOD CONSTRUCTION (CM) File No. 30322-030

LEDGEWOOD CONSTRUCTION (CM) File No. 30322-0
SHAW BROTHERS CONSTRUCTION (EARTHWORK)
G. DONALDSON CONSTRUCTION (PILE DRIVING)

Friday June 22, 2007 (60 degrees, clear at 0645)

1. Shaw Bros. began excavating down to El. 17.5 to El. 18 (approximate) along the sheet pile retaining wall adjacent to column line 1 with a CAT 320C excavator (see photographs). The excavated soils were loaded into dump trucks and hauled offsite.

- 2. Shaw Bros. loaded cutoff (scrap) H-piles into dump trucks with a CAT 320C excavator and hauled offsite.
- 3. Shaw Bros. loaded previously excavated soils from the underground storage tank area into dump trucks and hauled offsite.

II. FIELD REPRESENTATIVE'S ACTIVITIES:

General

- 1. Haley & Aldrich Field Representative performed full-time monitoring of construction activities from Monday, June 25 through Friday, June 29 and documented the activities noted above and shown on the attached figures.
- 2. Monitored the installation of steel production piles on 25 through 27 June as shown on the attached Daily Summary of End Bearing Pile Installation sheets and described above. Field Representative judged that all piles installed during this time period were installed to the required driving criteria.
- 3. Discussed activities daily with contractors (Ledgewood, Shaw Bros., and G. Donaldson).
- 4. Took digital photographs of construction activities. Select photographs are provided in the attachment, additional photographs can be provided under separate transmittal upon completion of the project or earlier, if requested.

Monday, June 25, 2007

- 1. Field Representative observed and recorded pile installation as noted above.
- 2. Field Representative observed and recorded pile cutoff lengths as noted above.

Tuesday, June 26, 2007

- 1. Field Representative observed and recorded pile installation as noted above.
- 2. Field Representative observed and recorded pile cutoff lengths as noted above.

Wednesday, June 27, 2007

- 1. Field Representative observed and recorded pile installation as noted above.
- 2. Field Representative observed and recorded pile cutoff lengths as noted above.

Friday, June 29, 2007

1. Field Representative observed excavation along the sheet pile retaining wall adjacent to column line 1. The exposed material consisted of in-situ fill soils containing silty sand with gravel.

ATTACHMENTS: 1. Foundation Plan - (Figure 1)

- 2. Daily Summary of End Bearing Pile Installation (5 pages)
- 2. Photograph Summary (1 pages)

HALEY& ALDRICH

WEEKLY FIELD REPORT

Project

OCEAN GATEWAY PARKING GARAGE

Location

PORTLAND, MAINE

Report No. 6

Period From 25 June 2007

To

29 June 2007

Client

RIVERWALK, LLC.

Contractor

LEDGEWOOD CONSTRUCTION (CM)

SHAW BROTHERS CONSTRUCTION (EARTHWORK)

G. DONALDSON CONSTRUCTION (PILE DRIVING)

Page File No. 3 of 3 30322-030

Field Representative(s)

Total Weekly Time

W. Armstrong

49.75

Distribution:

Drew Swenson, Riverwalk, LLC. (email)

Rich Libardoni, Intercontinental Real Estate Co. (email and hardcopy)

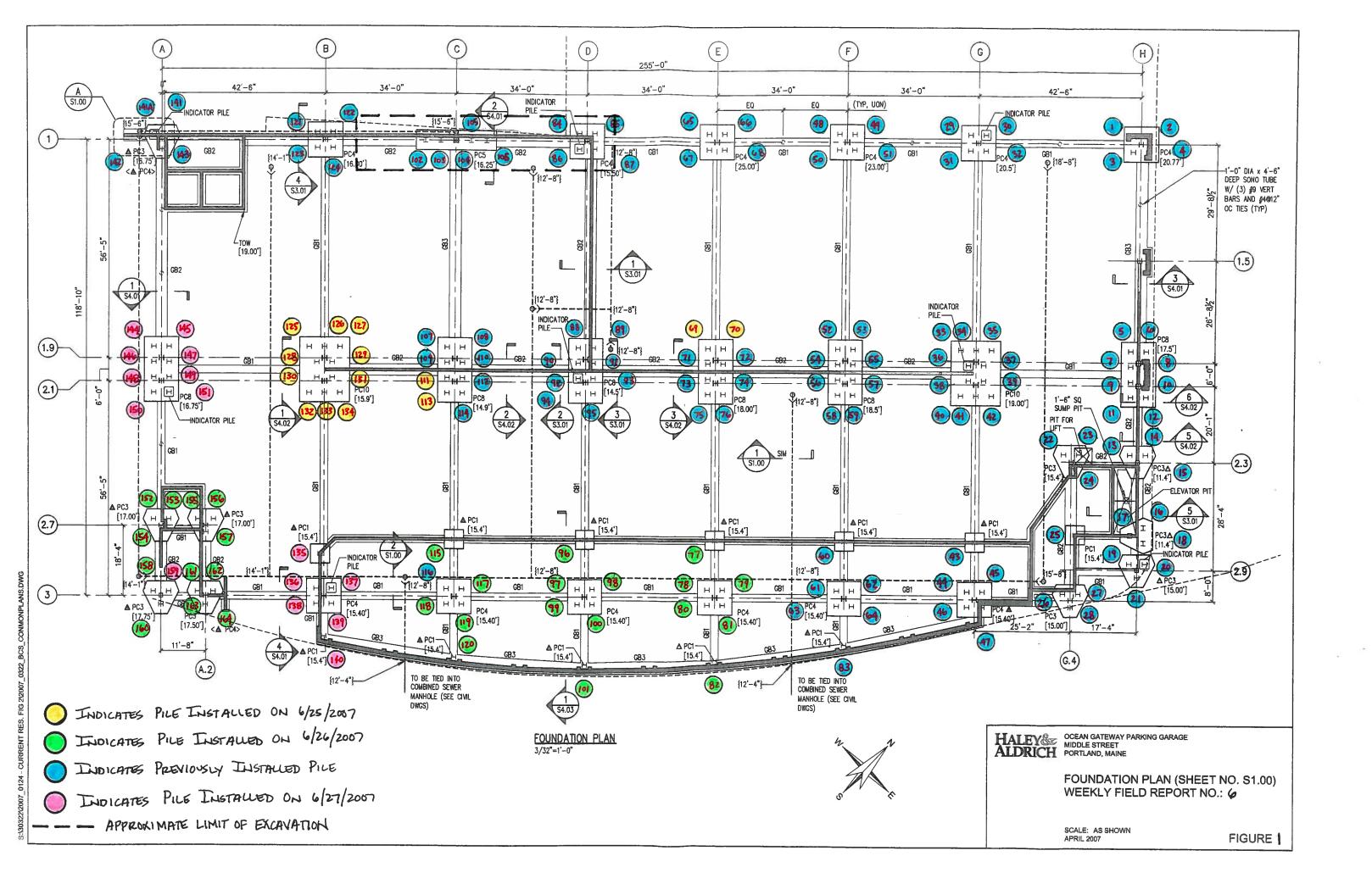
Stephen Fraser, Scott Simons Architects (email)

Steve Pitts & Bob Parsons, Ledgewood Construction (email)

Alan Simon, Simon Design Engineering, LLC. (email)

G:\PROJECTS\30322\030 - Ocean Gateway Parking Garage\Weekly Field

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PROJEC	T	OCEA	N GATEV		H&A FILE NO. 30322-030											
LOCATI	ON	PORT	LAND, M	AINE						PF	ROJEC'	T MGR	W. CHA	DBOURNI	3	
CLIENT		RIVE	RWALK, L	LC.						FI	ELD R	EP	W. ARM	ISTRONG		
GEN. CO	NTRACTOR	LEDG	EWOOD (CONSTRU	CTION					DATE 6/25/2007						
PILE CO	NTRACTOR	G. DO	NALDSO	N CONSTI	RUCTION					W.	FR NO		6			
PILES					HAMMER:											
Ty	`	STEEL H-			Type		IHAN I			Blows per min. 40-100 Ram Weight (lbs) 19,800						
Siz	e sign Capacity		4X102 70 ton		Cushion Rated Ene		onocast			ft-lbs		Fall (in)	gnt (los)	30	_	
		1000000	-			-67				,						
	Pile		Elevation Pay Blows Per DESCRIPTION OF Cut-off Tip Length (ft) Final 6 in.				r Inch		A #	4	D t -	_				
Pile No.	Length	Top	Cut-off	Tip	Length (ft)	<u> </u>	T	rina	1 6 1n.	-	Г	Ave.*	+	Remarks	<u> </u>	
69	60.75	17.87	14.27	-42.88	57.2	8	10<0.5"						refusal			
70	60.58	17.93	14.24	-42.65	56.9	12	10<0.5"		1.15				refusal			
111	61.17	25.65	11.18	-35.52	46.7	7	11	12	17	18	10<0.5"	!	refusal			
113	60.75	25.77	11.22	-34.98	46.2	10	9	8	10<0.5"				refusal			
125	60.75	24.35	11.14	-36.40	47.5	10	10	10<0.5"					refusal			
126	60.75	22.57	11.10	-38.18	49.3	4	7	9	9	11	10<0.5"	1	refusal			
127	60.58	23.38	11.20	-37.20	48.4	4	5	6	8	9	10<0.5"		refusal			
128	60.75	25.99	11.15	-34.76	45.9	5	5	8	10<0.5"	_			refusal			
129	60.75	26.68	11.22	-34.07	45.3	9	11	11	11	12	10<0.5"		refusal			
130	60.75	26.17	11.14	-34.58	45.7	10	10<0.5"						refusal			
131	60.75	26.84	11.21	-33.91	45.1	3	4	10	10<0.5"				refusal			
132	60.75	25.25	11.16	-35.50	46.7	2	3	6	3	17	10<0.5"		refusal			
133	60.83	25.79	11.21	-35.04	46.3	4	4	10<0.5"					refusal			
134	60.58	26.53	11.21	-34.05	45.3	12	10<0.5"						refusal			
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Remai	·ks:															_
	Rejected															_
	Added due to															_
	Added due to Added due to													-		
	Deleted due to															
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g.	Test Pile															
										To	tal Nun	iber of Pil	es Driven	Today:	14	_
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	Pay lengths in cut-off elevati					JSCU					rrev	ious total	INUITIOET OF	f Piles:	109	_
	Owen Haskell						Tota	l Number	of Piles To	Date:	123					
	Elevations are	•	d reference	Portland C	City Base datur	m.						3-				_
		1														
	<u> </u>															
	Re	gistered Er	ngineer													



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PROJEC	T	OCEA	N GATEW	/AY PARI	KING GARAC	BE				He	&A FIL	E NO.	30322-030				
LOCATI	ON	PORT	LAND, MA	AINE						PR	OJEC	T MGR	W. CHADBOUR	NE			
CLIENT		RIVE	RWALK, L	LC.						FI	ELD R	EP	W. ARMSTRON	G			
GEN. CO	NTRACTOR	LEDG	EWOOD (CONSTRU	CTION					D.A	TE		6/26/2007				
PILE CO	NTRACTOR	G. DC	NALDSO	V CONSTI	RUCTION					w	FR NO		6				
														-			
PILES					HAMMER: Type									_			
	Type STEEL H-PILE							HHK 9				Blows per					
Siz			HP 12X53 Cushion Monocast Mo							ft-lbs		Ram Wei Fall (in)					
De	sign Capacity	(8/29th 19)	90 tons Rated Energy 25,000 ft-lbs Fall (in)							18							
	Pile		Elevation		Pay				ows Pe	r Inch							
Pile No.	Length	Тор	Cut-off	Tip	Length (ft)			$\overline{}$	6 in.	1		Ave.*	Rema	rks			
77	80.32	34.99	13.36	-45.33	58.7	13	8	9	13	10<0.5"			refusal; splice added				
82	80.65	28.75	12.45	-51.90	64.4	7	10	12	10	11	10	10	splice added				
101	85.34	34.94	12.45	-50.40	62.9	10	12	14	10<0.5"				refusal; splice added				
115	80.44	28.52	13.38	-51.92	65.3	7	8	8	10	13	10<0.5"		refusal; splice added				
135													see add. remarks, final d	riving on 6/27			
152	85.18	37.68	14.00	-47.50	61.5	12	10<0.5"						refusal; splice added	. <u> </u>			
153	85.34	35.70	14.02	-49.64	63.7	13	12	13	12	10	10<0.5"		refusal; splice added				
154	84.74	31.24	13.96	-53.50	67.5	5	7	8	12	11	10<0.5"		refusal; splice added				
155	80.37	31.14	14.06	-49.23	63.3	8	6	8	9	11	10<0.5"		refusal; splice added				
156	80.17	31.93	14.01	-48.24	62.3	6	8	8	12	10	10<0.5"		refusal; splice added				
157	79.77	30.36	13.95	-49.41	63.4	5	6	9	9	13	10<0.5"		refusal; splice added				
158	85.42	26.72	14.72	-58.70	73.4	9	10	15	10<0.5"				refusal; splice added				
159													see add. remarks, final driving on 6/27				
160	85.42	31.83	14.76	-53.59	68.4	8	12	9	8	10	12	10	splice added				
161	85.57	30.11	14.50	-55.46	70.0	8	8	8	14	17	10<0.5"		refusal; splice added				
162	85.28	30.24	14.49	-55.04	69.5	12	10<0.5"						refusal; splice added				
163	85.35	30.25	14.54	-55.10	69.6	11	14	10<0.5"					refusal; splice added				
96	80.25	31.31	13.45	-48.94	62.4	12	10	10<0.5"	9	11	10<0.5"		refusal; splice added				
													, ,				
	Tota	l Length o	f Piles Driv	en Today:	1046.0		*Requ	ired Mi	nimum	:	<u>. </u>	avg. (per	Contractor's WEAP)	<u>. </u>			
	Total Le	ngth of Pil	es Driven I	reviously	6227.0		·						•				
	Total	Length of	Piles Drive	n To Date:	7273.0				marks								
_	•						All pil	es drive	n with	steel d	riving s	hoe.					
Remai							Diles li	etad ah	ovo did	notos	hiovo o	onogity ot	the end of initial				
	Rejected Added due to	mislocated	ł nile										to continue driving.				
	Added due to						<u> </u>	5. DAGG		or pine	opnoo i	o required	to continue arrying.				
	Added due to	_															
e.	Deleted due to	design ch	ange														
	Broken																
g.	Test Pile									_				• -			
Natar										То	tal Nun	iber of Pil	es Driven Today: _	16			
Notes:	Pay lengths in	dicated are	nrelimina	rv and are i	hased on prop	osed					Prev	rious total	Number of Piles:	123			
						1100	.545 6541										
	cut-off elevati Owen Haskell						Tota	l Number	of Piles To Date:	139							
2.	Elevations are	in feet an	reference	Portland C	City Base datur	m.							_	-			
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PROJEC	СТ	OCEA	OCEAN GATEWAY PARKING GARAGE							На	&A FII	E NO.	Page 3 of 5						
LOCAT	ION	PORT	LAND, MA	AINE						PF	ROJEC	T MGR	W. CHADBOURNE						
CLIENT	•	RIVE	RWALK, L	LC.						FI	ELD R	EP	W. ARMSTRONG						
	ONTRACTOR		EWOOD (,	ATE		6/26/2007						
PILE CO	ONTRACTOR	G. DO	NALDSO	1 CONSTI	RUCTION					. W	FR NO	•	6						
PILES: Type STEEL H-PILE Size HP 14X102 Design Capacity 170 tons			Š	HAMMER: Type Cushion Rated Ene	М		HHK 9/ MC 90 79,)4P	ft-lbs		Blows pe Ram Wei Fall (in)								
	Pile		Elevation		Pay			Bl	ows Pe	r Inch									
Pile No.	Length	Тор	Cut-off	Tip	Length (ft)			Fina	6 in.			Ave.*	Remarks						
78	78.79	32.20	12.39	-46.59	59.0	8	10<0.5"						refusal; splice added						
79	79.11	32.98	12.36	-46.13	58.5	9	20	10<0.5"					refusal; splice added						
80	79.17	32.26	12.36	-46.91	59.3	9	13	10<0.5"					refusal; splice added						
81	80.87	34.69	12.44	-46.18	58.6	7	15	10<0.5"			L		refusal; splice added						
97	78.48	26.23	12.37	-52.25	64.6	12	10<0.5"						refusal; splice added						
98	80.83	29.19	12.51	-51.64	64.2	12	18	10<0.5"			<u> </u>		refusal; splice added						
99	79.18	25.45	12.47	-53.73	66.2	8	10	10<0.5"					refusal; splice added						
100	83.22	30.65	12.47	-52.57	65.0	12	10<0.5"						refusal; splice added						
117	78.65	30.20	12.44	-48.45	60.9	4	4	4	7	10	10<0.5"		refusal; splice added						
118	79.73	24.75	12.37	-54.98	67.4	8	12	16	10<0.5"		ļ		refusal; splice added						
119	77.44	26.67	12.44	-50.77	63.2	7	7	7	9	12	10<0.5"		refusal; splice added						
120	80.50	27.63	12.32	-52.87	65.2	5	8	14	15	16	10<0.5"		refusal; splice added						
136													see add. remarks, final driving on 6/27						
138													see add. remarks, final driving on 6/27						
139													see add. remarks, final driving on 6/27						
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			\vdash																
		1.7 41	CDiles Dei	T. 1	753.0		<u> </u>		,		\bigsqcup_{i}		I WEAR						
2	Total Le Total	ngth of Pil	of Piles Driv les Driven F Piles Driver	reviously	752.0 7273.0 8025.0		Additi Piles li		marks ove did	not ac	hieve c	apacity at	Contractor's WEAP) the end of initial						
Rema							driving	g. Exca	vation	or pile	splice i	s required	to continue driving.						
	Rejected Added due to	mislocated	l nile				All pile	es drive	n with	steel d	riving s	hoe							
	Added due to						7111 pile	CS GIIVE	41 W 1(11	Sicci d	iving 3	noc.	·						
	Added due to																		
	Deleted due to	design ch	ange																
	Broken																		
g.	Test Pile									то	tal Nium	hor of Dil	es Driven Today: 12						
Notes	:									10	tai ivuii	ioei oi Fii	es Driven Today: 12						
	Pay lengths in cut-off elevati		-	•		osed					Prev	ious total	Number of Piles: 139						
	Owen Haskell		010 / W								Tota	l Number	of Piles To Date: 151						
2.	Elevations are	-	reference	Portland C	ity Base datur	n.													
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	Kej	gistered En	Ruicei																



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	ION			PF FI DA	&A FIL ROJEC' ELD RI ATE FR NO	Г MGR EP	30322-030 W. CHADBOURNE W. ARMSTRONG 6/27/2007									
Ty Si:	PILES: Type STEEL H-PILE Size HP 12X53 Design Capacity 90 tons				HAMMER: Type Cushion Rated Ene		04P ,000	ft-lbs		Blows pe Ram Wei Fall (in)	eight (lbs) 19,800					
Pile No.	Pile Length	Тор	Elevation Cut-off	Tip	Pay Length (ft)			-	ows Pe l 6 in.	vs Per Inch			4	Remari	ire.	
135	80.58	32.66	13.39	-47.92	61.3	5	8	6	9	17	10<0.5"		refusal; splic		<u></u>	
140	80.29	26.21	12.96	-54.08	67.0	4	3	4	4	8	10<0.5"		refusal; splic			
159	79.87	29.12	14.69	-50.75	65.4	6	5	10	10	15	10<0.5"		refusal; splic			
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	Tota	1 I amath a	f Piles Driv	on Todou	193.8		*D	ing d N (i	nimum		<u> </u>		Contract	1- 11/E A D)		
Rema	Total Le	ngth of Pil	les Driven F Piles Driver	reviously	8025.0 8218.8		Additi	ional re	marks	. –			Contractor			
	Rejected						All nil	es drive	n with	steel d	riving sl	100				—
	Added due to	mislocated	l pile				2111 piz	03 G1111	M WILL	otcor a	iiviiig si	100.				
	Added due to															
	Added due to															_
	Deleted due to	design ch	ange													
	Broken															
g.	Test Pile									То	tal Num	har of Dil	ac Drivon T	Fodow.	2	
Notes:	•									10	iai ivuiii	DEI OI FIR	es Diiveii i	Γoday:		—
1.	Pay lengths in cut-off elevation					sed					Previ	ious total	Number of	Piles:	151	_
Owen Haskell, Inc.											Total	Number	of Piles To	Date:	154	
2.	Elevations are	in feet and	1 reference	Portland C	ity Base datun	n.							-			_
					,											
		-internal E														
	Keg	gistered En	igineer													

HALEY & ALDRICH

DAILY SUMMARY END BEARING PILE INSTALLATION

Page	5	of	5

DD 0		000:	N.O : 25:	7437545	CDIC CARAC	NE.				77.4	A 2727	ENC	20222 020
PROJEC					KING GARAG	jE				•	LA FIL		30322-030
LOCATI			LAND, MA							•		Γ MGR	W. CHADBOURNE
CLIENT			RWALK, L							•	ELD R	EP	W. ARMSTRONG
	NTRACTOR		EWOOD (TE		6/27/2007
PILE CO	NTRACTOR	. <u>G. DO</u>	NALDSO	1 CONSTI	RUCTION					W	FR NO		6
PILES	S:				HAMMER:								
Ту		STEEL H-I	PILE		Туре	HK 9/	A			Blows pe	r min. 40-100		
Siz	•		4X102	* 3	Cushion Monocast MC 904P							Ram Wei	
De	sign Capacity	1	70 ton	S	Rated Ene	rgy <u>79,801</u> ft-lbs Fall (in)					Fall (in)	30	
	Pile		Elevation	ation Pay Blows Per I				r Inch					
Pile No.	Length	Тор	Cut-off	Tip	Length (ft)			Final	6 in.			Ave.*	Remarks
136	91.50	40.21	12.87	-51.29	64.2	5	6	9	10	10	10<0.5"		refusal; splice added
137	80.83	29.10	12.36	-51.73	64.1	10	10<0.5"						refusal; splice added
138	81.17	28.54	13.00	-52.63	65.6	6	6	6	10	10<0.5"			refusal; splice added
139	88.20	36.11	12.76	-52.09	64.9	15	10<0.5"						refusal; splice added
144	61.17	22.73	13.10	-38.44	51.5	10	9	9	9	10	9	9	
145	60.83	24.74	13.15	-36.09	49.2	8	12	10<0.5"					refusal
146	60.75	27.34	13.15	-33.41	46.6	5	8	11	18	10<0.5"			refusal
147	60.83	25.78	13.11	-35.05	48.2	5	5	7	7	11	10<0.5"		refusal
148	60.75	24.82	13.06	-35.93	49.0	5	5	5	5	12	10<0.5"		refusal
149	61.17	25.40	13.16	-35.77	48.9	5	10	13	10<0.5"				refusal
150	60.75	24.24	13.04	-36.51	49.6	5	5	7	8	15	10<0.5"		refusal
			f Piles Driv				*Requ	ired Mi	nimum	: _ 9		avg. (per	Contractor's WEAP)
		-	es Driven F	- 1									
	Total :	Length of	Piles Drive	n To Date	8820.5			onal re				1:	Lakka ama
Remai	rke.						Piles I	30 to 1.	39 were	е геапу	en arter	splices w	vere added.
	Rejected						All pile	es drive	n with	steel di	riving s	hoe.	****
	Added due to	mislocated	l pile										
	Added due to												
	Added due to												-
	Deleted due to) design ch	ange										
	Broken Test Pile												
g.	1 091 1 110									Tot	tal Num	ber of Pil	es Driven Today:11
Notes:													
1.		based on propo	osed					Prev	ious total	Number of Piles: 154			
	cut-off elevation Owen Haskell	novided by						Tota	l Number	of Piles To Date: 165			
2.			d reference	Portland C	City Base datur	n.					1 Ota		100 10 2010.
_,			7		•								
	<u> </u>	<u> </u>	1										
	Re	gistered En	igineer		-								



Photograph 1 excavation along sheet pile retaining wall at column line 1 (6/22/07).