
Project	OCEAN GATEWAY PARKING GARAGE	Report No.	6
Location	PORTLAND, MAINE	Period From	25 June 2007
		To	29 June 2007
Client	RIVERWALK, LLC.	Page	1 of 3
Contractor	LEDGEWOOD CONSTRUCTION (CM)	File No.	30322-030
	SHAW BROTHERS CONSTRUCTION (EARTHWORK)		
	G. DONALDSON CONSTRUCTION (PILE DRIVING)		

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 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 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 Junttan PM30 piling rig with a Junttan 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 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.

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)

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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)

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)

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Field Representative(s)

W. Armstrong

Total Weekly Time

49.75

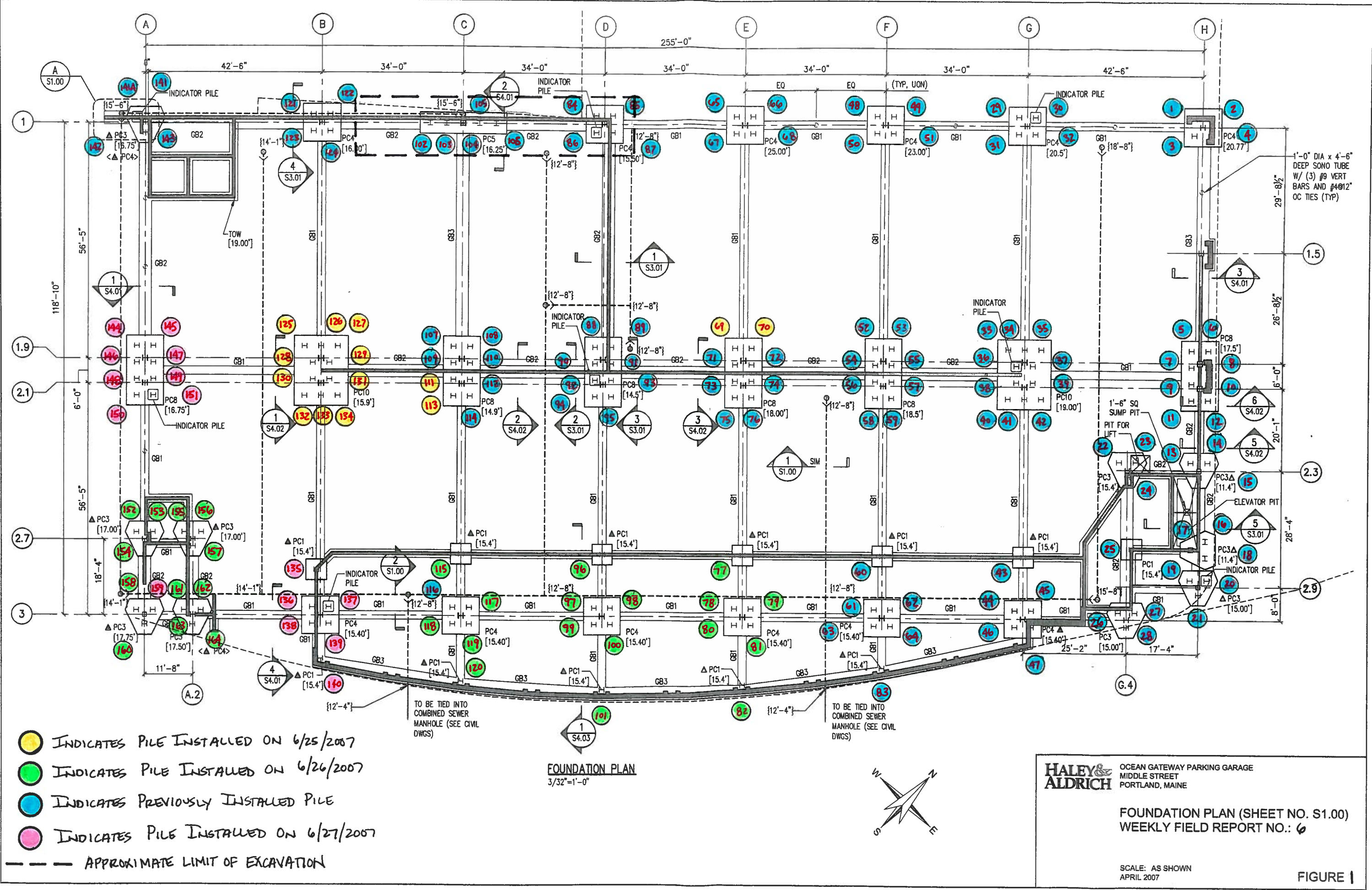
Distribution:

Drew Swenson, Riverwalk, LLC. (email)
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Alan Simon, Simon Design Engineering, LLC. (email)

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Reports\WFR06 2007 0630\2007 0727 wca WFR6.doc


Haley & Aldrich, Inc.

S:\30322\2007_0124 - CURRENT RES. FIG 2\2007_0322_BCS_COMMONPLANS.DWG



- INDICATES PILE INSTALLED ON 6/25/2007
- INDICATES PILE INSTALLED ON 6/26/2007
- INDICATES PREVIOUSLY INSTALLED PILE
- INDICATES PILE INSTALLED ON 6/27/2007
- APPROXIMATE LIMIT OF EXCAVATION

DAILY SUMMARY
END BEARING PILE INSTALLATION

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PROJECT	OCEAN GATEWAY PARKING GARAGE	H&A FILE NO.	30322-030
LOCATION	PORTLAND, MAINE	PROJECT MGR	W. CHADBOURNE
CLIENT	RIVERWALK, LLC.	FIELD REP	W. ARMSTRONG
GEN. CONTRACTOR	LEDGEWOOD CONSTRUCTION	DATE	6/25/2007
PILE CONTRACTOR	G. DONALDSON CONSTRUCTION	WFR NO.	6

PILES:

Type STEEL H-PILE
 Size HP 14X102
 Design Capacity 170 tons

HAMMER:

Type JUNHAN HHK 9A
 Cushion Monocast MC 904P
 Rated Energy 79,801 ft-lbs

Blows per min. 40-100
 Ram Weight (lbs) 19,800
 Fall (in) 30

Pile No.	Pile Length	Elevation			Pay Length (ft)	Blows Per Inch						Ave.*	Remarks
		Top	Cut-off	Tip		Final 6 in.							
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"						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"		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

Total Length of Piles Driven Today: 672.4
 Total Length of Piles Driven Previously: 5554.7
 Total Length of Piles Driven To Date: 6227.0

*Required Minimum: 9 avg. (per Contractor's WEAP)

Additional remarks:

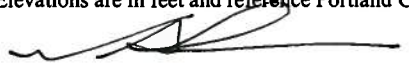
All piles driven with steel driving shoe.

Remarks:

- Rejected
- Added due to mislocated pile
- Added due to broken pile
- Added due to design change
- Deleted due to design change
- Broken
- Test Pile

Notes:

- Pay lengths indicated are preliminary and are based on proposed cut-off elevations and as-built elevation data provided by Owen Haskell, Inc.
- Elevations are in feet and reference Portland City Base datum.

Total Number of Piles Driven Today: 14Previous total Number of Piles: 109Total Number of Piles To Date: 123

 Registered Engineer

DAILY SUMMARY
END BEARING PILE INSTALLATION

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PROJECT	OCEAN GATEWAY PARKING GARAGE	H&A FILE NO.	30322-030
LOCATION	PORTLAND, MAINE	PROJECT MGR	W. CHADBOURNE
CLIENT	RIVERWALK, LLC.	FIELD REP	W. ARMSTRONG
GEN. CONTRACTOR	LEDGEWOOD CONSTRUCTION	DATE	6/26/2007
PILE CONTRACTOR	G. DONALDSON CONSTRUCTION	WFR NO.	6

PILES:

Type STEEL H-PILE
 Size HP 12X53
 Design Capacity 90 tons

HAMMER:

Type JUNHAN HHK 9A
 Cushion Monocast MC 904P
 Rated Energy 25,000 ft-lbs

Blows per min. 40-100
 Ram Weight (lbs) 19,800
 Fall (in) 18

Pile No.	Pile Length	Elevation			Pay Length (ft)	Blows Per Inch							Remarks
		Top	Cut-off	Tip		Final 6 in.						Ave.*	
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 driving on 6/27
152	85.18	37.68	14.00	-47.50	61.5	12	10<0.5"						refusal; splice added
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

Total Length of Piles Driven Today: 1046.0
 Total Length of Piles Driven Previously: 6227.0
 Total Length of Piles Driven To Date: 7273.0

*Required Minimum: 8 avg. (per Contractor's WEAP)

Additional remarks:

All piles driven with steel driving shoe.

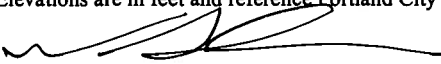
Piles listed above did not achieve capacity at the end of initial driving. Excavation or pile splice is required to continue driving.

Remarks:

- Rejected
- Added due to mislocated pile
- Added due to broken pile
- Added due to design change
- Deleted due to design change
- Broken
- Test Pile

Notes:

- Pay lengths indicated are preliminary and are based on proposed cut-off elevations and as-built elevation data provided by Owen Haskell, Inc.
- Elevations are in feet and reference Portland City Base datum.

Total Number of Piles Driven Today: 16Previous total Number of Piles: 123Total Number of Piles To Date: 139

 Registered Engineer

DAILY SUMMARY

END BEARING PILE INSTALLATION

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PROJECT	OCEAN GATEWAY PARKING GARAGE	H&A FILE NO.	30322-030
LOCATION	PORTLAND, MAINE	PROJECT MGR	W. CHADBOURNE
CLIENT	RIVERWALK, LLC.	FIELD REP	W. ARMSTRONG
GEN. CONTRACTOR	LEDGEWOOD CONSTRUCTION	DATE	6/26/2007
PILE CONTRACTOR	G. DONALDSON CONSTRUCTION	WFR NO.	6

PILES:

Type STEEL H-PILE
 Size HP 14X102
 Design Capacity 170 tons

HAMMER:

Type JUNHAN HHK 9A
 Cushion Monocast MC 904P
 Rated Energy 79,801 ft-lbs

Blows per min. 40-100
 Ram Weight (lbs) 19,800
 Fall (in) 30

Pile No.	Pile Length	Elevation			Pay Length (ft)	Blows Per Inch						Ave.*	Remarks
		Top	Cut-off	Tip		Final 6 in.							
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"					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"					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"				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

Total Length of Piles Driven Today: 752.0
 Total Length of Piles Driven Previously: 7273.0
 Total Length of Piles Driven To Date: 8025.0

*Required Minimum: 9 avg. (per Contractor's WEAP)**Remarks:**

- a. Rejected
- b. Added due to mislocated pile
- c. Added due to broken pile
- d. Added due to design change
- e. Deleted due to design change
- f. Broken
- g. Test Pile

Additional remarks:

Piles listed above did not achieve capacity at the end of initial driving. Excavation or pile splice is required to continue driving.

All piles driven with steel driving shoe.

Notes:

1. Pay lengths indicated are preliminary and are based on proposed cut-off elevations and as-built elevation data provided by Owen Haskell, Inc.
2. Elevations are in feet and reference Portland City Base datum.

Total Number of Piles Driven Today: 12Previous total Number of Piles: 139Total Number of Piles To Date: 151

 Registered Engineer

H&A FILE NO.	30322-030
PROJECT MGR	W. CHADBOURNE
FIELD REP	W. ARMSTRONG
DATE	6/27/2007
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Blows per min.	40-100
Ram Weight (lbs)	19,800
Fall (in)	18

Form 4015

PROJECT	OCEAN GATEWAY PARKING GARAGE	H&A FILE NO.	30322-030
LOCATION	PORTLAND, MAINE	PROJECT MGR	W. CHADBOURNE
CLIENT	RIVERWALK, LLC.	FIELD REP	W. ARMSTRONG
GEN. CONTRACTOR	LEDGEWOOD CONSTRUCTION	DATE	6/27/2007
PILE CONTRACTOR	G. DONALDSON CONSTRUCTION	WFR NO.	6

Type	STEEL H-PILE	
Size	HP 14X102	
Design Capacity	170	tons

Type	JUNHAN HHK 9A	
Cushion	Monocast MC 904P	
Rated Energy	79,801	ft-lbs

Blows per min.	40-100
Ram Weight (lbs)	19,800
Fall (in)	30

[illegible]

Total Length of Piles Driven Today:	601.7
Total Length of Piles Driven Previously:	8218.8
Total Length of Piles Driven To Date:	8820.5

*Required Minimum:	9	avg. (per Contractor's WEAP)
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Remarks:

- a. Rejected
- b. Added due to mislocated pile
- c. Added due to broken pile
- d. Added due to design change
- e. Deleted due to design change
- f. Broken
- g. Test Pile

Notes:

1. Pay lengths indicated are preliminary and are based on proposed cut-off elevations and as-built elevation data provided by Owen Haskell, Inc.
2. Elevations are in feet and reference Portland City Base datum.

Additional remarks:

Piles 136 to 139 were redriven after splices were added.

All piles driven with steel driving shoe.

Total Number of Piles Driven Today: 11

Previous total Number of Piles: 154

Total Number of Piles To Date: 165

Registered Engineer



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