



Letter of Transmittal

OEI IVb, LLC
Attention: Mr. Tim Levine
280 Fore Street, Suite 202
Portland, ME 04101

Date: January 12, 2007
Project No: 05-0079.2
Subject: Custom House Square
Portland, Maine

- We are sending you:** Attached Under Separate Cover
- Investigation Report Prints Samples
- Laboratory Test Report(s) Copy of Letter(s) Invoice
- Field Test Report(s) Specifications Other

Description:	Pile Installation Summary Custom House Square Custom House and Fore Streets Portland, Maine
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These are transmitted as checked below:

- For your information For your use
- As requested Returned

Remarks:

Copy to:
Craig Hill – (Wright-Ryan)

S. W. COLE ENGINEERING, INC.

BY: *T. Brown for:*
Timothy J. Boyce, P.E.
Senior Geotechnical Engineer



S.W. COLE
ENGINEERING, INC.

• Geotechnical Engineering • Field & Lab Testing • Scientific & Environmental Consulting

05-0079.2

January 12, 2007

OEI IVb, LLC
Attention: Mr. Tim Levine
280 Fore Street, Suite 202
Portland, Maine 04101

Subject: Pile Installation Summary
Custom House Square
Custom House and Fore Streets
Portland, Maine

Dear Tim:

In accordance with our Agreement, we have observed the installation of HP 12 x 53 steel piles with cast driving tips and 8-inch diameter mini-piles at the above referenced project.

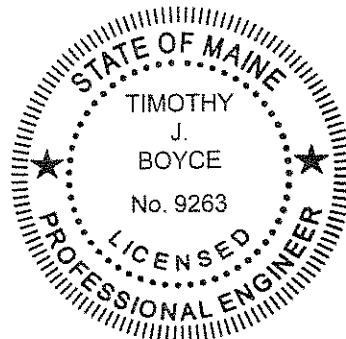
The mini-piles were pinned and grouted at least 5 feet into bedrock with 2.5-inch diameter steel dowels. The H-piles were driven to practical refusal on bedrock using a MKT DA-35 diesel pile hammer. A summary of driven pile installation data and plan showing the approximate pile locations are attached. The 8-inch diameter mini-piles are rated for an allowable axial capacity of 60 kips and the HP 12 x 53 steel piles are rated for an allowable axial capacity of 80 kips.

We trust this letter meets your needs. Please call if you have any questions or require additional assistance.

Sincerely,

S. W. COLE ENGINEERING, INC.

Timothy J. Boyce, P.E.
Senior Geotechnical Engineer



Enc (2)

P:\2005\05-0079.2 M - Olympia Equity Investors IV b LLC - Portland, ME - Custom House Square - RED\Reports and Letters\05-0079.2 Pile Installation Summary.doc

GRAY, ME OFFICE

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S.W. COLE
ENGINEERING, INC.

PILE DRIVING SUMMARY

Client: Olympia Equity Investors IV b LLC
 General Contractor: Wright-Ryan
 Pile Contractor: H.B. Fleming
 Pile Hammer: MT DA-35C Single Action Diesel Hammer
 Pile Type: HP 12x53

SWCE Job # 05-0079.2
 Project: Custom House Square
 Location: Portland, Me
 Rated Energy (ft-lbs): 22,500ft-lbs
 Design Capacity: 40-Tons

Pile #	Elevation (feet)		In-place Length (feet)	Final Set (blows/inch) Last 6 inches						Batter (in / 10ft)	Date Driven	Remarks	
	Cut Off	Tip		1	2	3	4	5	6				
114	8.8	2.8	6.0	1	1	1	1	1	6	8 1/4"	--	10/18/2006	
115	8.8	2.6	6.2	1	1	2	2	2	3	11 1/2"	--	10/18/2006	
116	8.8	0.0	8.8	2	2	4	4	4	5	6 1/4"	--	10/18/2006	
117	8.8	-2.4	11.1	1	1	1	2	2	6	7 1/4"	--	10/18/2006	
118	8.8	-2.0	10.7	1	2	2	2	2	3	6 1/4"	--	10/18/2006	
119	9.0	-4.8	13.8	1	1	1	2	2	2	10 1/2"	--	10/19/2006	
120	9.0	-4.2	13.2	2	2	2	2	2	2	6 1/4"	--	10/19/2006	
121	9.0	-5.1	14.1	1	1	1	2	2	4	8 1/4"	--	10/19/2006	
122	8.8	-11.5	20.3	4	4	4	4	4	7	5 1/4"	--	10/20/2006	
123	8.8	-10.0	18.8	1	2	2	2	2	2	8 1/4"	2.50	10/20/2006	
124	9.0	-6.9	15.9	1	1	1	1	1	1	8 1/4"	--	10/19/2006	
125	9.0	-2.8	11.8	1	1	2	2	2	3	7 1/4"	--	10/19/2006	
126	9.0	1.9	7.1	2	2	5	7	7	7	4/0"	--	10/10/2006	
127	9.0	2.0	7.0	4	6	6	6	6	7	4 1/4"	--	10/10/2006	
128	9.0	0.0	9.0	6	6	6	6	6	7	4 1/4"	6.25	10/10/2006	
129	9.0	1.5	7.5	2	3	3	3	3	5	7 1/4"	--	10/10/2006	
130	8.7	-0.2	8.9	1	2	4	4	4	7	4/0"	--	10/11/2006	
131	8.7	-1.5	10.2	4	4	4	4	4	7	5 1/2"	--	10/11/2006	
132	8.7	-3.1	11.8	2	4	6	6	6	6	6 1/4"	7.50	10/11/2006	
133	8.7	-1.9	10.6	1	4	4	4	4	5	10 3/4"	--	10/11/2006	
134	8.7	-0.6	9.3	1	1	1	1	1	5	4/0"	--	10/11/2006	
137	9.0	-0.7	9.7	6	7	6	6	6	6	6	2.50	10/9/2006	
138	9.0	-1.0	10.0	2	2	2	2	2	7	5 1/4"	8.75	10/11/2006	
139	9.0	-1.9	10.9	8	8	6	6	6	6	6	5.00	10/9/2006	
140	9.0	-6.9	15.9	4	4	4	4	4	9	7 1/2"	--	10/10/2006	
141	9.0	-7.4	16.4	1	1	3	4	4	4	9 1/4"	--	10/9/2006	



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 Location: Portland, Me
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 Design Capacity: 40-Tons

Pile #	Elevation (feet)		In-place Length (feet)	Final Set (blows/inch)			Batter (in / 10ft)	Date Driven	Remarks	
	Cut Off	Tip		Last 6 inches						
142	9.0	-7.0	16.0	6	6	8	11	6 1/2"	10/9/2006	
143	9.0	-9.7	18.7	4	4	5	6	6 1/4"	10/9/2006	
144	9.0	-10.2	19.2	1	2	2	7	6 1/4"	10/9/2006	
145	9.0	-11.1	20.1	5	5	6	7	6 1/2"	10/9/2006	
146	9.0	-14.0	23.0	2	5	6	9	12	10/9/2006	
147	9.0	-13.1	22.1	2	3	4	6	5 1/4"	10/11/2006	
148	9.0	-12.8	21.8	2	2	4	7	10	10/10/2006	
149	8.8	-21.0	29.7	3	3	6	7	10 3/4"	10/10/2006	
150	8.8	-19.8	28.5	1	2	2	8	8 1/4"	10/10/2006	
151	8.8	-21.1	29.8	2	2	2	7	5 0"	10/10/2006	
152	8.8	-22.1	30.8	2	2	2	4	9 1/2"	10/10/2006	Pile out of plumb due to proximity of building
155	8.5	-9.0	17.5	3	3	3	6	6 1/4"	10/17/2006	
156	8.5	-8.8	17.3	2	6	6	6	7	10/18/2006	
157	8.5	-9.7	18.2	2	2	6	6	6 1/2"	10/17/2006	
158	8.5	-9.2	17.7	4	4	6	8	4 1/4"	10/17/2006	
159	8.5	-9.2	17.7	3	4	4	6	10 3/4"	10/17/2006	
160	8.5	-9.8	18.3	1	1	3	6	5 1/4"	10/17/2006	
161	8.5	-10.3	18.8	4	4	6	8	3 0"	10/17/2006	
162	8.5	-9.7	18.2	2	2	4	6	5 0"	10/11/2006	
163	8.5	-8.9	17.4	2	4	4	4	8 1/2"	10/13/2006	
164	8.5	-9.1	17.6	4	4	4	4	6 1/2"	10/13/2006	
165	8.5	-9.2	17.7	2	2	2	4	4 0"	10/13/2006	
166	8.5	-8.8	17.3	1	1	4	4	10 1/2"	10/11/2006	
167	8.5	-6.8	15.3	1	1	1	6	5 0"	10/11/2006	
168	8.5	-10.6	19.1	1	1	1	1	8 1/4"	10/11/2006	
169	8.7	-13.0	21.7	2	2	4	5	8 1/4"	10/13/2006	



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	Cut Off	Tip		1	2	3	4	5	6					
170	8.7	-13.3	22.0	1	1	1	1	1	1	6	6 1/4"	10/13/2006		
171	8.7	-12.3	21.0	1	1	1	1	1	1	5	4/0"	10/13/2006		
172	8.7	-13.0	21.7	4	4	4	4	4	4	6	6 1/2"	10/13/2006		
173	8.7	-14.9	23.6	2	2	2	2	2	2	7	7 1/2"	10/13/2006		
174	8.7	-11.9	20.6	2	2	2	2	2	2	4	10 1/2"	10/16/2006		
175	8.7	-11.8	20.5	2	4	4	4	4	4	6	6 1/4"	10/16/2006		
176	8.7	-12.4	21.1	1	1	1	1	1	1	4	10 1/4"	10/16/2006		
177	8.7	-13.1	21.8	4	6	6	6	6	6	7	4 1/4"	10/16/2006		
178	8.7	-13.6	22.3	1	1	1	1	1	1	6	5 1/4"	10/16/2006		
179	9.8	-10.1	19.8	2	2	2	2	2	2	3	7 1/2"	10/17/2006		
180	9.8	-10.5	20.2	1	1	1	1	1	1	6	5/0"	10/16/2006		
181	9.8	-10.9	20.6	1	1	1	1	1	1	2	9 1/4"	10/17/2006		
182	5.3	-11.4	16.7	4	4	4	4	4	4	6	5 1/4"	10/16/2006		
183	5.3	-8.9	14.2	1	1	1	1	1	1	2	8 1/4"	10/17/2006		
184	5.3	-8.2	13.5	1	1	1	1	1	1	2	8 1/4"	10/16/2006		
185	5.3	-9.2	14.5	1	1	1	1	1	1	2	10 1/4"	10/16/2006		
186	9.8	-6.8	16.5	1	1	1	1	1	1	1	5/0"	10/18/2006		
187	8.5	-4.2	12.7	4	4	4	4	4	4	6	3/0"	10/17/2006		
188	8.5	-1.7	10.2	1	1	1	1	1	1	3	6 1/4"	10/17/2006		
189	8.5	-2.1	10.6	1	1	1	1	1	1	2	8 1/4"	10/17/2006		
190	8.5	-3.9	12.4	1	4	4	4	4	4	5	9 3/4"	10/17/2006	5.00	
191	8.5	-1.6	10.1	1	1	1	1	1	1	3	7 1/4"	10/17/2006		
192	8.5	-3.9	12.4	1	3	3	3	3	3	5	7 1/2"	10/17/2006		
193	8.5	-5.4	13.9	3	4	4	4	4	4	5	6 1/2"	10/18/2006		
194	9.0	-10.5	19.5	1	1	1	1	1	1	1	3	8 1/4"	10/19/2006	
195	9.0	-10.4	19.4	1	1	1	1	1	1	2	8 1/4"	10/19/2006		

