
Project	OCEAN GATEWAY PARKING GARAGE	Report No.	7
Location	PORTLAND, MAINE	Period From	02 July 2007
		To	06 July 2007
Client	RIVERWALK, LLC.	Page	1 of 3
Contractor	LEDGEWOOD CONSTRUCTION (CM) SHAW BROTHERS CONSTRUCTION (EARTHWORK) G. DONALDSON CONSTRUCTION (PILE DRIVING)	File No.	30322-030

I. CONTRACTOR'S ACTIVITIES:**Monday, July 2, 2007 (70 degrees, clear at 0710)**

1. G. Donaldson did not work today.
2. Shaw Bros. previously installed a sump north of the proposed elevator pit (see Figure 1 and photographs). The sump consisted of an 18-in. diameter corrugated plastic pipe extending approximately 3 ft below the bottom of the excavation. A pump was installed in the sump and water was pumped into a FRAC tank located north of the support of excavation system.
3. Shaw Bros. completed excavating along column line 1 between column lines A and B with a CAT 320C excavator (see Figure 1). The area was excavated down to approximately El. 17.5 in order to install the continuous steel whaler for the support of excavation system located west of column line 1. The excavated material consisted primarily of in-situ fill with some naturally deposited marine clay. The soil was loaded into dump trucks and hauled off site.
4. Shaw Bros. excavated pile cap located at column E-1.9/2.1 with a CAT 320C excavator (see Figure 1 and photographs). The area was excavated down to El. 13, approximately 6-in. below the proposed bottom of pile cap level. The subgrade was not proofrolled. A 6-in. thick lift of 1½-in. crushed stone was placed on the exposed marine clay subgrade in order to minimize disturbance to subgrade soils during placement of concrete forms and reinforcing steel. The excavated soils consisted of fill and naturally deposited marine clay. The soil was loaded into dump trucks and hauled off site.
5. Shaw Bros. began excavating pile cap located at column G-3 with a CAT 320C excavator (see Figure 1 and photographs). An existing drainage structure located immediately southeast of pile no. 46 was removed during excavation. The excavated soils consisted of in-situ fill that was loaded into dump trucks and hauled off site.

Tuesday, July 3, 2007 (70 degrees, sunny at 0630)

1. Shaw Bros. completed excavation for pile cap located at column G-3 with a CAT 320C excavator (see Figure 1). The area was excavated down to El. 11.65, approximately 3-in. below the proposed bottom of pile cap level. The subgrade was not proofrolled. A 3-in. thick lift of 1½-in. crushed stone was placed on the exposed fill subgrade in order to minimize disturbance during placement of concrete forms and reinforcing steel. The excavated material consisted of in-situ fill that was loaded into dump trucks and hauled off site.
2. Shaw Bros. excavated GB1 between pile caps located at column G-2.8 and G-1.9/2.1 with a CAT 320C excavator (see Figure 1). The area was excavated approximately 3-in. below the proposed bottom of grade beam level (varies from El. 13.15 at column G-2.8 to El. 16.75 at column G-1.9/2.1). The subgrade was not proofrolled. An approximate 3-in. thick lift of 1½-in. crushed stone was placed on the exposed fill subgrade in order to minimize disturbance during placement of concrete forms and reinforcing steel. The excavated material was loaded into dump trucks and hauled off site.
3. Shaw Bros. began placing backfill adjacent to pile caps/grade beams in the northwest corner of the garage; the area bound by column line 1, column line 1.9/2.1, column line F and column line H (see Figure 1). Fill material consisted of imported granular soil from Shaw Bros. Dayton Pit. The material was placed in approximate 12-in. thick (loose measure) lifts with a CAT 320C excavator and/or hand tools. Each lift was compacted with 4 to 5 passes of a self propelled vibratory plate compactor or an Ingersoll Rand SD-77DX smooth drum vibratory roller. Prior to fill placement, exposed surfaces were proof rolled with 2 to 3 passes of a self propelled vibratory plate compactor and/or Ingersoll Rand SD-77DX smooth drum vibratory roller.
4. Shaw Bros. installed the section of underslab drain between column lines 1, 1.9/2.1, G and H (see Figure 1 and photographs). The underslab drain consisted of a 4-in. diameter slotted/corrugated plastic pipe embedded in 4-in. (all around) of ¾-in. crushed stone. The crushed stone and pipe was encapsulated in Mirafi 140N filter fabric

WEEKLY FIELD REPORT

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- and backfilled with imported granular fill from Shaw Bros. Dayton Pit. The invert elevation of the cleanout east of column line 1 was El. 18.67 and sloped down to an invert elevation of El. 15.89 at column line 1.9/2.1.
5. G. Donaldson cutoff piles at design elevations (surveyed by Ledgewood) at column E-1.9/2.1, column G-3.0 and column G-2.8. Additional piles were cutoff at ground surface at columns B-3 and B-3.1 in order to allow construction vehicle traffic into and out of the site. These piles will require additional cutoff in order to reach the design cutoff elevation.
 6. G. Donaldson began installing the continuous steel whaler for the support of excavation system west of column line 1 (see Figure 1 and photographs).

Wednesday, July 4, 2007

1. No work today – 4th of July Holiday.

Thursday, July 5, 2007

1. Shaw Bros. did not work today.
2. G. Donaldson began demobilizing pile driving equipment.
3. G. Donaldson continued installation of the continuous steel whaler for the support of excavation system west of column line 1.

Friday, July 6, 2007

1. Shaw Bros. did not work today.
2. G. Donaldson continued demobilizing pile driving equipment.
3. G. Donaldson continued installation of the continuous steel whaler for the support of excavation system west of column line 1.

II. FIELD REPRESENTATIVE'S ACTIVITIES:**General**

1. Haley & Aldrich Field Representative performed full-time monitoring of construction activities on Monday, July 2 and Tuesday, July 3 and part time monitoring on Thursday, July 5 and Friday, July 6 and documented the activities noted above and shown on the attached figures.
2. Field Representative performed in-situ density testing on lifts of fill soils placed on 3 July 2007. Field Representative judged that all lifts of soil placed during this time period were compacted to minimum density requirements outlined in the project specifications.
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, July 2, 2007

1. Field Representative spoke with Bob Parsons (Ledgewood) regarding the schedule for additional pile cutoff. Mr. Parsons indicated that G. Donaldson would be on site Tuesday, July 3 to cutoff piles located at column E-1.9/2.1 and column G-3. G. Donaldson will return to the site on Thursday, July 5 to begin installation of the continuous steel whaler on the support of excavation system west of column line 1 and to demobilize pile driving equipment.

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2. Field Representative spoke with John Fairweather (Shaw Bros.) regarding the schedule for fill placement in the northwest corner of the garage; the area bound by column line 1, column line 1.9/2.1, column line F and column line H. Mr. Fairweather indicated that a smooth drum vibratory roller would be delivered to the site today and that he will be beginning fill placement on Tuesday, July 3. Field Representative recommended to Mr. Fairweather that the exposed subgrade in this area be proofrolled with 3 to 4 passes of the vibratory roller prior to any additional fill placement. Mr. Fairweather also indicated that he will be installing a portion of the underslab drain between column lines 1, 1.9/2.1, G and H.

Tuesday, July 3, 2007

1. Field Representative observed placement of lifts of compacted granular fill in the northwest corner of the garage as shown on Figure 1. Fill material consisted of imported granular soil from Shaw Bros. Dayton Pit. Field Representative used a Humboldt 5001EZ nuclear density gauge to monitor relative compaction during fill placement. The granular fill appeared stable under the compactive effort of a self propelled vibratory plate compactor and/or an Ingersoll Rand SD-77DX smooth drum vibratory roller. In-situ density tests indicated the fill material met the minimum compaction specifications (see Table 1, test nos. 1-5 for results and Figure 1 for density test locations).
2. Field Representative observed the installation of the underslab drain between column lines 1, 1.9/2.1, G and H. Field Representative confirmed the materials, plan location and invert elevations were consistent with those provided in the specifications and contract drawings.
3. Field Representative measured and recorded pile cutoff lengths.

ATTACHMENTS:

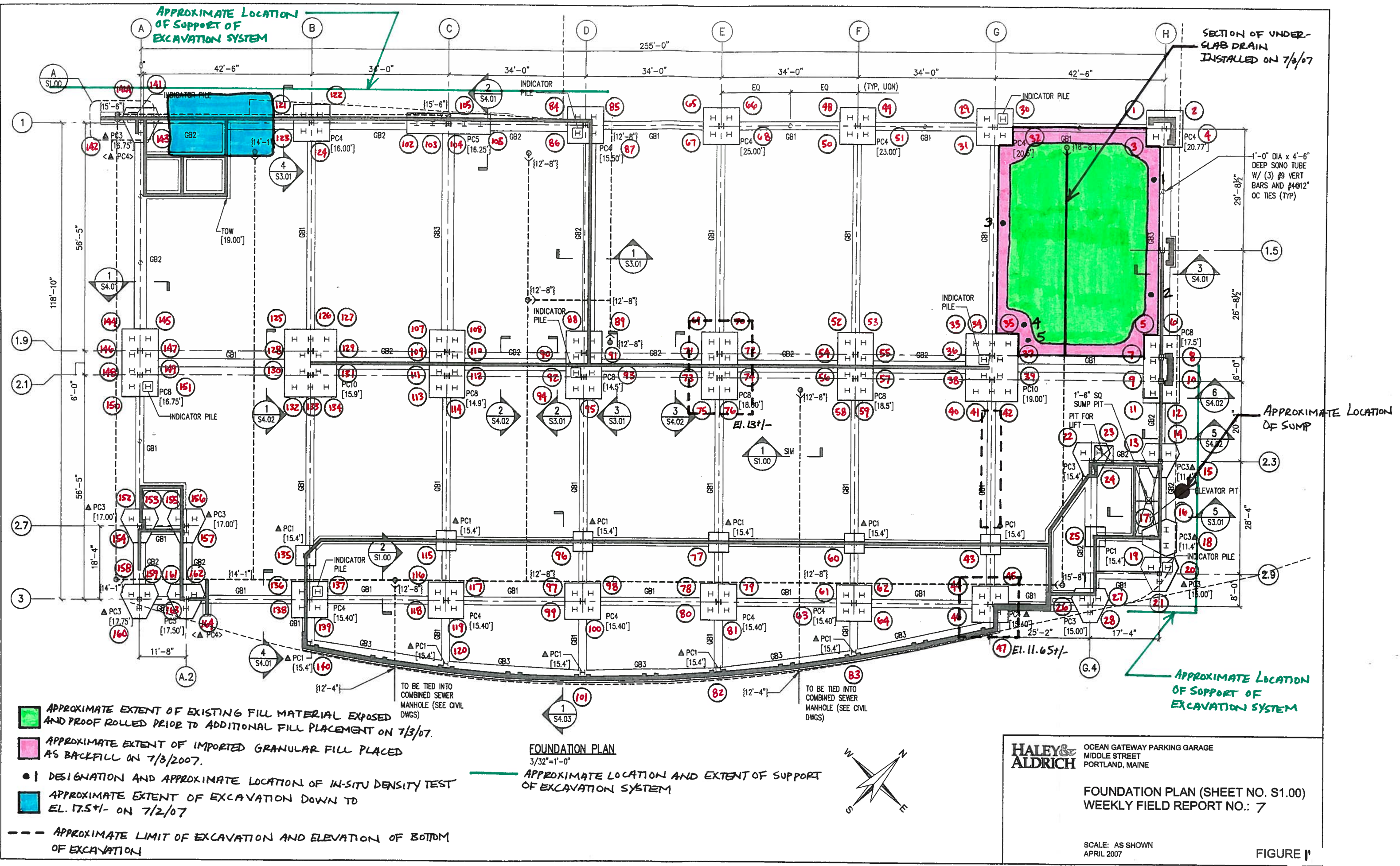
1. Foundation Plan (Figure 1)
2. Weekly Summary of Field Unit Weight Tests (1 page)
3. Photograph Summary (3 pages)

<u>Field Representative(s)</u>	<u>Total Weekly Time</u>
B. Steinert	38.75

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)


Haley & Aldrich, Inc.

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Photograph 1. Sump consisting of an 18-in. diameter corrugated plastic pipe installed north of the elevator pit in the northeast building corner, looking west (7/2/07).



Photograph 2. Sump consisting of an 18-in. diameter corrugated plastic pipe installed north of the elevator pit in the northeast building corner, looking west (7/2/07).



Photograph 3. Completed excavation for pile cap located at column E-1.9/2.1, looking west (7/2/07).



Photograph 4. Partially completed excavation for pile cap located at column G-3, looking east (7/2/07).



Photograph 5. Installation of the underslab drain in the northwest building corner, looking east (7/3/07).



Photograph 6. Installation of the whaler on the support of excavation system west of column line 1, looking south (7/6/07).