
Project	OCEAN GATEWAY PARKING GARAGE	Report No.	19
Location	PORTLAND, MAINE	Period From	24 September 2007
		To	28 September 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

Note: Contractor's activities were partially conducted prior to Field Representatives arrival at the site as noted.

I. CONTRACTOR'S ACTIVITIES:

Wednesday, September 26, 2007 (85 degrees, sunny at 1300)

1. Shaw Bros. previously (prior to Field Representatives arrival at site) spread a lift of Type D subbase gravel over the remaining plan areas of the garage footprint (the blue, pink and green shaded areas on Figure 1 and photographs). The fill material consisted of granular soil imported to the site from Shaw Bros. H-Pit. These areas were compacted using a BOMAG BW172D-2 smooth drum vibratory roller prior to Field Representatives arrival on site (see Field Representative's Activities, Item No. 1 on Wednesday).
2. Shaw Bros. began spreading a lift of Type A base material in the area bound by column lines B, D, 1 and 1.9/2.1 with a CAT D5C bulldozer (see yellow shaded area on Figure 1 and photographs). The material was spread in one approximate 3-in. thick (loose measure lift).
3. Shaw Bros. previously installed the portion of the underslab drain in the southeast corner of the parking garage (see Figure 1 and Field Representatives Activities Item No. 6 on Wednesday).

Thursday, September 27, 2007 (75 degrees, cloudy at 0615)

1. Shaw Bros. previously (prior to Field Representatives arrival at site) spread a lift of Type A base gravel over the blue shaded area shown on Figure 1. The fill material consisted of granular soil imported to the site from Shaw Bros. H-Pit. This area was compacted using a BOMAG BW172D-2 smooth drum vibratory roller prior to Field Representatives arrival on site (see Field Representative's Activities, Item No. 1 on Thursday).
2. Shaw Bros. began spreading a lift of Type A base gravel over the pink shaded area shown on Figure 1. The fill material consisted of granular soil imported to the site from Shaw Bros. H-Pit. The material was spread in one approximate 3-in. thick lift with a CAT D5C bulldozer. The material was not compacted during Field Representative's time on site.

II. FIELD REPRESENTATIVE'S ACTIVITIES:

General

1. Haley & Aldrich Field Representative performed part-time monitoring of construction activities on Wednesday, September 26 and Thursday, September 27 and documented the activities noted above and shown on the attached figures.
2. Discussed activities and construction schedule with contractors (Ledgewood and Shaw Bros.). Field Representative time on site was closely coordinated with Ledgewood and Shaw Bros.
3. Took digital photographs of construction activities. Select photographs are attached; additional photographs can be provided upon request.

Wednesday, September 26, 2007

1. Field Representative spoke with representatives from Shaw Bros. regarding the methodology used during Type D subbase gravel placement in the blue, pink and green shaded areas shown on Figure 1 and in the photographs (Contractor's Activities Item No. 1 on Wednesday). Field Representative confirmed that the material was placed and compacted in one approximate 12-in. thick (loose measure) lift and was compacted with 3 to 4 passes of a BOMAG BW172D-2 smooth drum vibratory roller.

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- Field Representative observed placement of Type A subbase gravel in the area described under Contractor's Activities, Item No. 2 on Wednesday (yellow shaded area on Figure 1). Field Representative confirmed that lifts of material were being spread in approximate 3-in. thick (loose measure) lifts. Field Representative did not observe compaction of the Type A base gravel in this area.
- Field Representative spoke with John Fairweather (Shaw Bros.) regarding the schedule for placement and compaction of Type A base gravel within the garage footprint. Mr. Fairweather indicated that placement will continue through the end of the week (9/28). Field Representative informed Mr. Fairweather that since not all of the Type D subbase gravel had been tested and approved, Field Representative would return on Thursday (9/27) to do so. Field Representative suggested that Shaw Bros. continue placing the Type A base material, however, the material will have to be excavated out at select locations in order to test the underlying Type D subbase. Mr. Fairweather understood and indicated that this would not be a problem.
- Field Representative spoke with Bob Parsons (Ledgewood) regarding the information summarized above. Field Representative informed Mr. Parsons that additional testing on the Type D subbase gravel will be performed on Thursday (9/27).
- Mr. Parsons informed Field Representative that no paving will take place this year. Field Representative suggested to Mr. Parsons that Shaw Bros. will be responsible for maintaining the exposed gravel surfaces and performing any re-work that becomes necessary as a result of damage caused by construction vehicle traffic during erection of the superstructure. Field Representative also informed Mr. Parsons that final approval for all gravel surfaces will not be giving until and re-work (if necessary) has been completed in the spring. Mr. Parsons agreed.
- Field Representative spoke with representatives from Shaw Bros. regarding the installation of the underslab drain in the southeast portion of the parking garage and shown on Figure 1. Field Representative confirmed that the drain was completed prior to arrival at site.

Thursday, September 27, 2007

- Field Representative spoke with representatives from Shaw Bros. regarding the methodology used during Type A base gravel placement in the blue shaded area shown on Figure 1 and in the photographs (Contractor's Activities Item No. 1 on Thursday). Field Representative confirmed that the material was placed and compacted in one approximate 3-in. thick (loose measure) lift and was compacted with 3 passes of a BOMAG BW172D-2 smooth drum vibratory roller.
- Field Representative observed placement of Type A subbase gravel in the area described under Contractor's Activities, Item No. 2 on Thursday and shown in the pink shaded area on Figure 1. Field Representative confirmed that lifts of material were being spread in approximate 3-in. thick (loose measure) lifts. Field Representative did not observe compaction of the Type A base gravel in this area.
- Field Representative used a Humboldt 5001EZ nuclear density gauge to measure relative compaction of the previously placed lift of Type D subbase gravel in the blue shaded area shown on Figure 1. Small areas were excavated by Shaw Bros. through the previously placed Type A base gravel down to the top of the Type D subbase material in order to perform the tests. In-situ density tests indicated the subbase material met the minimum compaction requirements outlined in the project specifications (see Table 1, test nos. 146 and 150 for results and Figure 1 for in-situ density test locations).
- Field Representative spoke with John Fairweather (Shaw Bros.) regarding in-situ density testing of Type D subbase and Type A base gravel. Field Representative told Mr. Fairweather that the remaining testing on the Type D material would occur after all the Type A material was placed and that small hand excavations through the Type A material would have to be made in order to accommodate the testing. Field Representative informed Mr. Fairweather that the Type A base gravel would not be tested and approved until the spring, prior to paving. Mr. Fairweather understood and agreed.

WEEKLY FIELD REPORT

Project	OCEAN GATEWAY PARKING GARAGE	Report No.	19
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ATTACHMENTS:

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

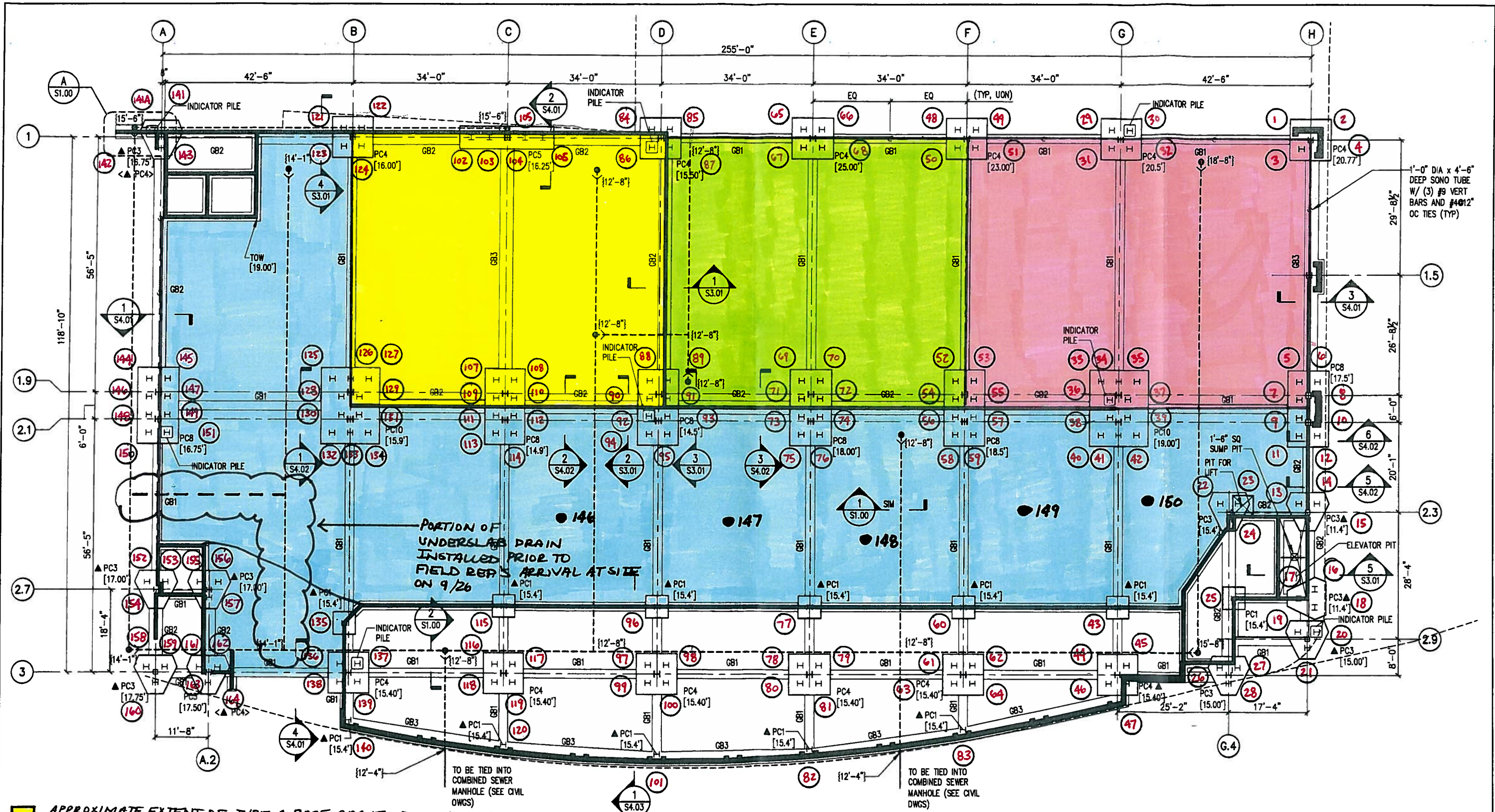
<u>Field Representative(s)</u>	<u>Total Weekly Time</u>
B. Steinert	15.25

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)

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Haley & Aldrich, Inc.



- APPROXIMATE EXTENT OF TYPE A BASE GRAVEL BEING PLACED DURING FIELD REP'S TIME ON SITE ON 9/26/2007
- APPROXIMATE EXTENT OF TYPE D SUBBASE GRAVEL PLACED PRIOR TO FIELD REP'S ARRIVAL AT SITE ON 9/26 AND EXTENT OF TYPE A BASE GRAVEL PLACED PRIOR TO FIELD REP'S ARRIVAL ON SITE ON 9/27/07.
- APPROXIMATE EXTENT OF TYPE D SUBBASE GRAVEL PLACED PRIOR TO FIELD REP'S ARRIVAL AT SITE ON 9/26 AND EXTENT OF TYPE A BASE GRAVEL BEING PLACED DURING FIELD REP'S TIME ON SITE ON 9/27/07.
- DESIGNATION AND APPROXIMATE LOCATION OF IN-SITU DENSITY TEST

FOUNDATION PLAN

3/32"=1'-0"
 APPROXIMATE EXTENT OF TYPE D SUBBASE GRAVEL PLACED PRIOR TO FIELD REP'S ARRIVAL AT SITE ON 9/26/07



HALEY & ALDRICH OCEAN GATEWAY PARKING GARAGE
 MIDDLE STREET
 PORTLAND, MAINE

FOUNDATION PLAN (SHEET NO. S1.00)
 WEEKLY FIELD REPORT NO.:

SCALE: AS SHOWN
 APRIL 2007 9/29/2007

FIGURE 1

S:\30322\2007_0124 - CURRENT RES. FIG 22007_0322_BCS_COMMONPLANS.DWG

WEEKLY SUMMARY FIELD UNIT WEIGHT TEST

PROJECT	OCEAN GATEWAY PARKING GARAGE	H&A FILE NO.	30322-030
LOCATION	PORTLAND, MAINE	PROJECT MGR.	W. CHADBOURNE
CLIENT	RIVERWALK, LLC.	FIELD REP	B. STEINERT
GEN. CONTRACTOR	LEDGEWOOD CONSTRUCTION	DATE	09/29/07
SUBCONTRACTOR	SHAW BROTHERS CONSTRUCTION	WFR NUMBER	19

Gage: Make: Humboldt Scientific, Inc. Model 5001 EZ122 Serial Number: 3289 Calibration Date: 04/05/06

Test No.	Location	Elevation (ft)	Depth Of Test (in)	Maximum Dry Unit Weight ^(a) (pcf)	Optimum Moisture Content (%)	In-place Dry Unit Weight (pcf)	In-place Moisture Content (%)	Compaction		Remarks
								Actual (%)	Required (%)	
146	see Figure 1	18.0	12	134.9	6.7	127.6	2.5	95%	95%	9/27/2007, subbase
147	see Figure 1	18.6	12	134.9	6.7	133.1	3.0	99%	95%	9/27/2007, subbase
148	see Figure 1	19.3	12	134.9	6.7	131.3	2.3	97%	95%	9/27/2007, subbase
149	see Figure 1	20.0	12	134.9	6.7	128.6	2.4	95%	95%	9/27/2007, subbase
150	see Figure 1	20.0	12	134.9	6.7	128.3	3.2	95%	95%	9/27/2007, subbase

Additional Remarks:
(a) Maximum dry unit weight represents the laboratory test value corrected for +3/4 material (ASTM D1557 D698)

[Signature]
Haley & Aldrich, Inc.



Photograph 1. Type D subbase gravel previously placed between column line 1.9/2.1 and 2.8, looking south (9/26/07).



Photograph 2. Type D subbase gravel previously placed between column lines 1, 1.9/2.1, D and G, looking southwest (9/26/07).



Photograph 3. Spreading a lift of Type A base gravel in the area between column lines 1, 1.9/2.1, D and C, looking northwest (9/26/07).



Photograph 4. Spreading a lift of Type A base gravel in the area between column lines 1, 1.9/2.1, D and C with a CAT D5C bulldozer, looking southeast (9/26/07).