
Project	OCEAN GATEWAY PARKING GARAGE	Report No.	20
Location	PORTLAND, MAINE	Period From	15 October 2007
		To	19 October 2007
Client	RIVERWALK, LLC.	Page	1 of 2
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:

Monday, October 15, 2007 (60 degrees, partly cloudy at 1015)

1. Shaw Bros. previously (prior to Field Representatives arrival at site) completed the placement of Type A base material within the proposed garage footprint (see orange shaded on Figure 1 and photographs). The fill material consisted of granular soil imported to the site from Shaw Bros. H-Pit.
2. Shaw Bros. previously (prior to Field Representatives arrival at site) placed and compacted granular fill within the proposed retail area (see green shaded area on Figure 1 and photographs). The fill material consisted of granular soil imported to the site from Shaw Bros. Dayton Pit. Approximately 6-in. of material was placed in this area.

II. FIELD REPRESENTATIVE'S ACTIVITIES:

General

1. Haley & Aldrich Field Representative performed part-time monitoring of construction activities on Monday, October 15 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. in the attached; additional photographs can be provided upon request.

Monday, October 15, 2007

1. Field Representative spoke with representatives from Shaw Bros. regarding the methodology used during Type A base gravel placement in the areas shown on Figure 1 and in the photographs. Field Representative confirmed that the material was placed and compacted in one approximate 3-in. thick (loose measure) lift and was compacted with 3 to 4 passes of a BOMAG BW172D-2 smooth drum vibratory roller.
2. Field Representative used a Humboldt 5001EZ nuclear density gauge to measure relative compaction of Type D subbase gravel. 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. 151-155 for results and Figure 1 for in-situ density test locations).
3. Field Representative observed that Shaw Bros. had placed/compacted granular fill imported to the site from Dayton Pit within the limits of the proposed retail space up to the bottom of floor slab elevation (approximate, see Figure 1 and photographs). Approximately 6-in. of material was placed in this area. Field Representative spoke with Bob Parsons (Ledgewood) regarding the schedule for pouring the floor slab in this area and whether any decision had been made relative to the floor slab thickness because that would affect how much fill would need to be placed beneath. Mr. Parsons indicated that he assumed the floor slab would be 4-in. thick and that Shaw Bros. used this thickness to determine to what elevation granular fill needed to be brought up to. Mr. Parsons also indicated that the floor slab would likely not be poured until spring. Field Representative informed Mr. Parsons that the granular fill will require field density test verification in the spring prior to pouring the floor slab. Mr. Parsons agreed.
4. Field Representative observed areas around column lines C-1.9/2.1, D-1.9/2.1, E-1.9/2.1 and F-1.9/2.1 that still require placement of granular fill, and subbase and base gravel in order to reach proposed grades (see Figure 1 and photographs). Field Representative spoke with Mr. Parsons regarding the schedule for placement and

WEEKLY FIELD REPORT

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compaction of backfill in these areas. Mr. Parsons indicated that the areas have been left unfilled in order to allow for placement of the structural steel columns. Once the steel columns are in place, the remaining portions of the concrete wall will need to be poured. Mr. Parsons indicated that after the concrete formwork has been removed, Shaw Bros. will backfill the areas with granular fill and subbase and base gravel. Field Representative indicated to Mr. Parsons that backfill placed in the areas will require in-situ density testing during placement/compaction.

5. Field Representative spoke with Mr. Parsons regarding final approval for Type A base material within the garage footprint. Field Representative informed Mr. Parsons that final approval will not be given until the spring (prior to paving). Field Representative suggested to Mr. Parsons that there will likely be some re-work that will have to be done by Shaw Bros. to re-establish grades and repair areas that potentially may become disturbed due to construction vehicle traffic throughout the winter months. Mr. Parsons agreed.
6. Mr. Parsons provided the final survey data on the reference points along the support of excavation system west of column line 1. The final survey was completed on 15 September by CCB, Inc. on behalf of Ledgewood/G. Donaldson. The final survey was completed after the removal of the internal rakers and prior to the removal of the continuous steel waler. A complete summary of all survey measurements is attached.

NOTE: This is our last scheduled site visit this year. Per discussions with Ledgewood, we plan on making site visits in the spring to perform final inspection/testing of the Type A base material prior to paving and the granular fill placed within the retail area prior to concrete slab placement. We also plan to inspect/test areas of fill placement at column locations E-1.9/2.1, F-1.9/2.1 and G-1.9/2.1.

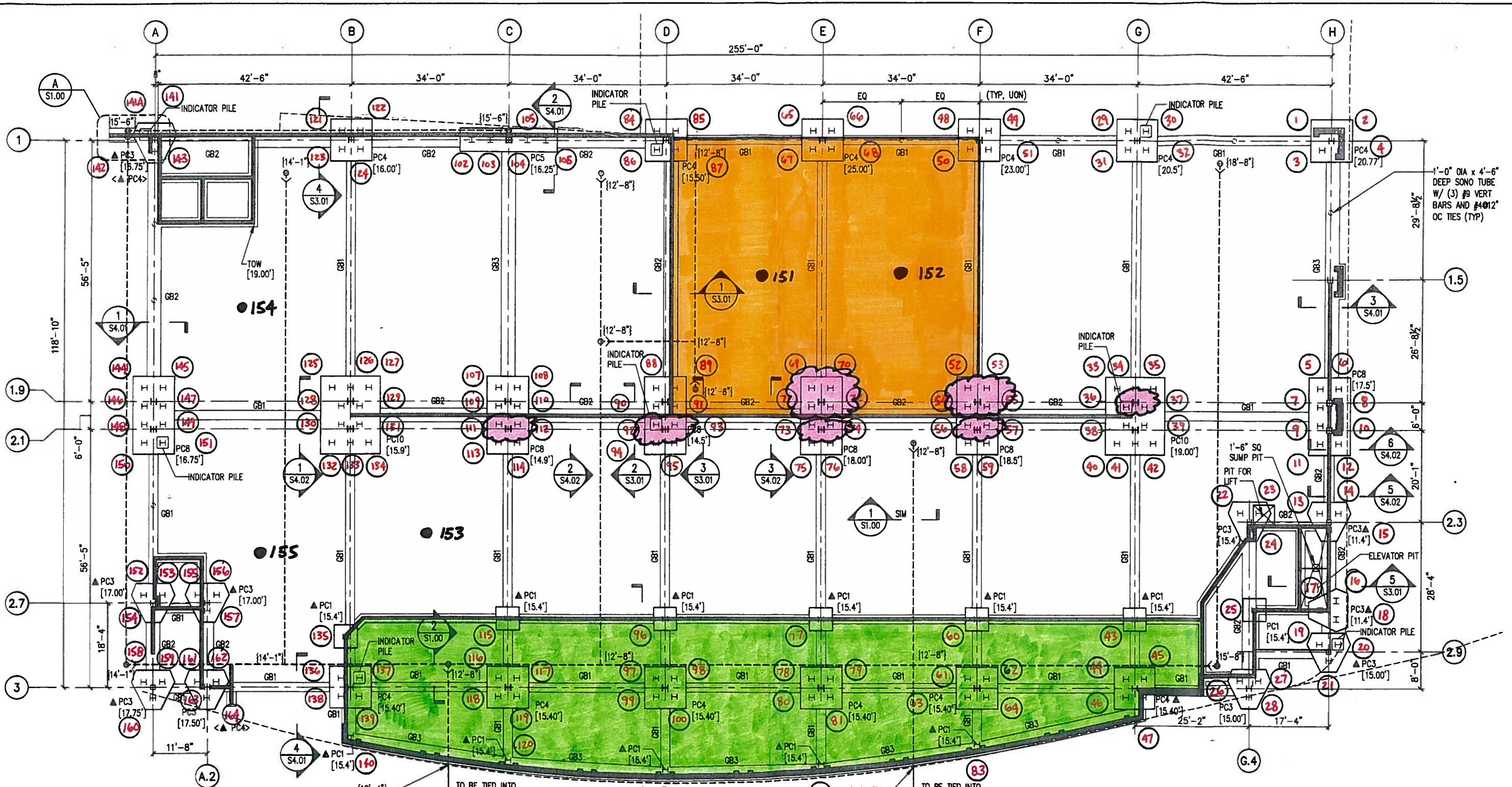
ATTACHMENTS:

1. Foundation Plan (Figure 1)
2. Weekly Summary of Field Unit Weight Test (1 page)
3. Summary of Support of Excavation Survey Monitoring (1 page)
3. Photograph Summary (2 page)

<u>Field Representative(s)</u>	<u>Total Weekly Time</u>
B. Steinert	2.5

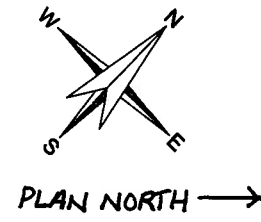
Distribution: Drew Swenson, Riverwalk, LLC. (email)
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Stephen Fraser, Scott Simons Architects (email)
Steve Pitts & Bob Parsons, Ledgewood Construction (email)
Alan Simon, Simon Design Engineering, LLC. (email)

S:\30322007_0124 - CURRENT RES. FIG 2\2007_0322_BCS_COMMONPLANS.DWG



- 151 DESIGNATION AND APPROXIMATE LOCATION OF IN-SITU DENSITY TEST PERFORMED ON 10/15/2007
- APPROXIMATE EXTENT OF AREAS OBSERVED ON 10/15/07 WHICH REQUIRE BACKFILLING AND PLACEMENT OF SUBBASE AND BASE GRAVEL.
- APPROXIMATE EXTENT OF AREA WHERE IMPORTED GRANULAR FILL WAS PLACED UP TO THE BOTTOM OF FLOOR SLAB LEVEL PRIOR TO FIELD REP.'S ARRIVAL AT SITE
- APPROXIMATE EXTENT OF TYPE A BASE GRAVEL PLACED PRIOR TO FIELD REP.'S ARRIVAL AT SITE ON 10/15/2007

FOUNDATION PLAN
3/32"=1'-0"

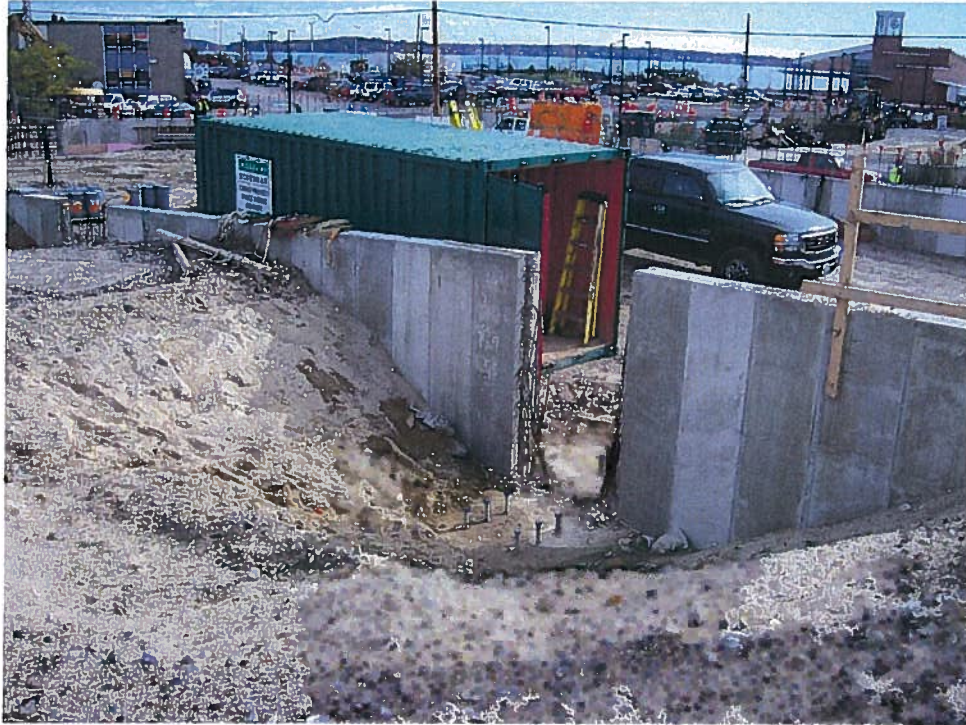


HALEY & ALDRICH OCEAN GATEWAY PARKING GARAGE
MIDDLE STREET
PORTLAND, MAINE

FOUNDATION PLAN (SHEET NO. S1.00)
WEEKLY FIELD REPORT NO.: 20

SCALE: AS SHOWN
APRIL 2007 10/20/2007

FIGURE 1



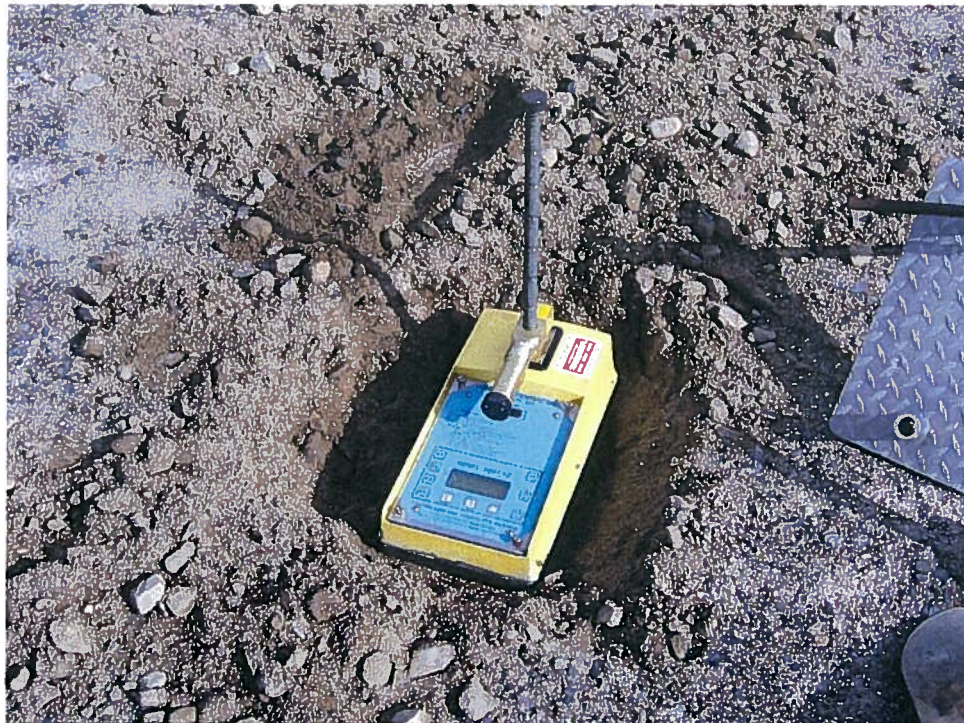
Photograph 1. Area at column line E-1.9/2.1 requiring backfilling and placement of subbase and base gravel after placement of steel superstructure and pouring the remaining portion of the wall, looking northeast (10/15/07).



Photograph 2. Area at column line F-1.9/2.1 requiring backfilling and placement of subbase and base gravel after placement of steel superstructure and pouring the remaining portion of the wall, looking northeast (10/15/07).



Photograph 3. Retail area space with imported granular fill placed/compacted up to the bottom of floor slab elevation (approximate), looking north (10/15/07).



Photograph 4. In-situ density testing of Type D subbase gravel after removal of base material (10/15/07).