HALEY& ALDRICH

WEEKLY FIELD REPORT

Project	OCEAN GATEWAY PARKING GARAGE	**Report No.**	2
Location	PORTLAND, MAINE	**Period From**	28 May 2007
		To	01 June 2007
Client	RIVERWALK, LLC.	**Page**	1 of 4
Contractor	LEDGEWOOD CONSTRUCTION (CM)	**File No.**	30322-030
	SHAW BROTHERS CONSTRUCTION (EARTHWORK)		
	G. DONALDSON CONSTRUCTION (PILE DRIVING)		

I. CONTRACTOR'S ACTIVITIES:

Tuesday, May 29, 2007 (60 degrees, clear at 1145)

1. G. Donaldson began mobilizing to the site and preparing for crane erection.
2. Shaw Bros. began importing ¾-in. and 1½-in. crushed stone to the site. The material was stockpiled adjacent to the northeast site entrance off of Fore Street (See Figure 1).
3. FRAC Tank previously delivered to the site was placed north of column line H (See Figure 1).
4. Shaw Bros. previously excavated for the pile caps and grade beams along column line H and the pile cap at column G-1. The areas were excavated to bottom of pile cap/grade beam elevations as shown on the foundation plan (see Figure 2 and photographs). The excavation was performed using a CAT 320C excavator outfitted with a smooth bucket attachment. The material generally consisted of granular fill (sand, gravel, cobbles, and concrete and brick fragments). The material was loaded into dump trucks and was used as fill in the landscape area west of column line 1, adjacent to Middle Street. The excavations were advanced approximately 2-in. below the proposed bottom of pile cap/grade beam level. An approximate 2-in. thick lift of 1½-in. crushed stone was placed on the exposed subgrade surface to minimize disturbance during placement of concrete forms and reinforcing steel.
5. Shaw Bros. excavated to subgrade level (El. 19) for the subsurface stormwater detention structure within the limits of the entrance roadway off of Middle Street, west of column line 1, with a CAT 320C excavator outfitted with a smooth bucket attachment (see Figure 1 and photographs). The material generally consisted of granular fill (sand, gravel, brick and concrete fragments) and was temporarily stockpiled adjacent to the excavation. Water was observed seeping into the south side (adjacent to the Micucci property) of the excavation. The exposed subgrade (predominantly granular fill) was proof rolled with two passes of an Ingersoll-Rand smooth drum vibratory roller. The area was proof rolled with the vibrator turned off in order to prevent disturbance of a small amount of marine clay exposed in the northwest corner of the excavation.

Wednesday, May 30, 2007 (70 degrees, clear at 1100)

1. Shaw Bros. began removing temporary construction fence along Fore Street and India Street.
2. Shaw Bros. began placing concrete jersey barriers along Fore Street.
3. Delivery of precast concrete drainage structures. The structures were stored in the landscape area west of column line 1, adjacent to Middle Street (See Figure 1).
4. Shaw Bros. placed Mirafi 140N separation geosynthetic fabric on the previously prepared subgrade and cut slopes (see Item No. 5 on Monday) within the limits of the subsurface stormwater detention structure (see photographs).
5. Shaw Bros. installed a 6-in. diameter perforated PVC underdrain (invert at El. 19) within the limits of the subsurface stormwater detention structure. The underdrain was installed west of column line 1, running perpendicular to Middle Street (see Figure 1 and photographs).
6. Shaw Bros. began placing layer of 1½-in. crushed stone on top of separation geosynthetic fabric and PVC underdrain up to El. 20 (within the limits of the subsurface stormwater detention structure) with a CAT 320C excavator and hand tools (see photographs).

Thursday, May 31, 2007 (65 degrees, cloudy at 1145)

1. Shaw Bros. continued placing concrete jersey barriers along Fore Street.
2. Shaw Bros. completed placing layer of 1½-in. crushed stone on top of separation geosynthetic fabric and PVC underdrain up to El. 20 (within the limits of the subsurface stormwater detention structure) with a CAT 320C excavator (see photographs). The layer was compacted with two passes of a self-propelled vibratory plate compactor.

3. G. Donaldson began installation steel sheeting for the support of excavation system parallel to column line 1, adjacent to the Micucci property (see Figure 2 and photographs). The sheeting was installed using an ICE 22 hydraulic vibratory driver/extractor and a Terex HC-133 service crane. The sheets were installed beginning approximately 25 to 30 ft south of column line A-1 and 6 to 7 ft west (towards the Micucci property). Steel sheets were approximately 25 ft long and were installed to an approximate tip elevation of El. 2 (11 ft below the proposed bottom of excavation for pile caps/grade beams).

Friday, June 1, 2007 (70 degrees, cloudy at 1145)

1. G. Donaldson continued the installation of steel sheeting for the support of excavation system along column line 1, adjacent to the Micucci property as described under Item No. 3 on Thursday, May 31 (see Figure 2 and photographs).
2. Delivery of 5 HP14x102 and 16 HP 12x53 steel H-piles measuring approximately 60 ft in length. The steel H-piles were stockpiled in the central portion of the site generally along column line 1.9/2.1, between column line B and column line D.
3. Shaw Bros. removed brick sidewalk along Fore Street with a CAT 320C excavator. Bricks were loaded into dump trucks and hauled off site. All granite curbing was left in place.

II. FIELD REPRESENTATIVE'S ACTIVITIES:

General

1. Haley & Aldrich Field Representative performed part-time monitoring of construction activities from Tuesday, May 29 through Friday, June 1 and documented the activities noted above and shown on the attached figures.
2. Discussed activities daily with contractors (Ledgewood, Shaw Bros., and G. Donaldson).
3. Took digital photographs of construction activities. Select photographs are provided in the attachment, additional photographs can be provided upon request.

Tuesday, May 29, 2007

1. Field Representative spoke with Bob Parsons (Ledgewood) regarding G. Donaldson's schedule for beginning the support of excavation installation, indicator pile test program and production pile driving. Mr. Parsons indicated that sheeting installation for the support of excavation system would begin either on Wednesday (5/30) afternoon or Thursday (5/31) and would take approximately 2 days to complete. Field Representative informed Mr. Parsons that submittals had not been received for the support of excavation or the foundation piles and that any work undertaken by G. Donaldson prior to receipt and review by the design team would be at G. Donaldson's risk. Mr. Parsons agreed.
2. Bob Parsons asked Field Representative if any inspection was required during the installation of the subsurface stormwater detention structure located within the limits of the entrance roadway off of Middle Street, west of column line 1. Field Representative indicated that upon completion of excavation to subgrade level the exposed surface would need to be inspected; unsuitable materials removed (if present) and would need to be proof rolled prior to any additional work. Field Representative told Mr. Parsons that Woodard & Curran may want to be aware of the installation schedule but also observe/inspect the installation. Field Representative called and spoke with Dave Senus (Woodard & Curran) and informed him that the subsurface stormwater detention structure had been delivered to the site and installation would begin immediately. Field Representative asked Mr. Senus whether Woodard & Curran needed to observe/inspect the installation. Mr. Senus replied by stating that Woodard & Curran had not yet received any submittals from Shaw Bros. for the subsurface stormwater detention

structure and that the structure on site was not approved for installation. Mr. Senus said he would call and speak with Steve Pitts (Ledgewood) to seek clarification.

3. John Fairweather (Shaw Bros.) asked Field Representative what type of material could be used above the crushed stone layer covering the subsurface stormwater detention structure and below the pavement section. Field Representative indicated to Mr. Fairweather that material meeting the requirements of the granular fill specification would be required.
4. John Fairweather asked Field Representative about obstruction removal within the limits of the entrance roadway off of Middle Street and partially within the limits of the subsurface stormwater detention structure. Mr. Fairweather indicated that he would like to only remove a portion of the concrete obstruction if possible. Field Representative asked Mr. Fairweather to check the elevation of the concrete slab present. The elevation of the top of the concrete slab was within the limits of the proposed subsurface stormwater detention structure. Field Representative and Mr. Fairweather agreed that the entire obstruction would have to be removed.
5. Field Representative monitored excavation and subgrade preparation for the subsurface stormwater detention structure. The elevation of the bottom of the excavation was El. 19. The subgrade consisted of granular fill (sand, gravel, cobbles, and concrete and brick fragments with a small amount of marine clay). The exposed subgrade was proof rolled with two passes of an Ingersoll-Rand smooth drum vibratory roller. The area was proof rolled with the vibrator turned off in order to prevent disturbance of a small amount of marine clay exposed in the northwest corner of the excavation. The subgrade soil appeared firm and undisturbed prior to placement of the separation geosynthetic fabric and crushed stone.

Wednesday, May 30, 2007

1. Field Representative received hand-delivered pile foundation submittal from Steve Pitts (Ledgewood). Mr. Pitts indicated he would have a cover letter sent and that additional copies of the submittal would be forwarded to Haley & Aldrich for review.

Friday, June 1, 2007

1. Field Representative spoke with Matt Lackey (G. Donaldson) regarding schedule for beginning the indicator pile test program and production pile driving. Mr. Lackey indicated that the indicator pile test program would begin on Wednesday (6/6) and production pile driving would begin on Thursday (6/7).
2. Field Representative spoke with Bob Parsons regarding who was responsible for measuring/surveying pile uplift during production pile driving. Field Representative indicated that it was the G. Donaldson's responsibility to monitor pile uplift; Mr. Parsons agreed.
3. Field Representative spoke with Bob Parsons regarding the indicator pile test program. Mr. Parsons inquired whether all indicator piles shown on the foundation plan would have to be driven. Field Representative told Mr. Parsons that all 8 indicator piles would have to be driven and tested prior to beginning the production pile driving.
4. Field Representative spoke with Bob Parsons regarding mill certificates for the steel H-piles delivered to the site. Mr. Parsons indicated that none of the certificates had been provided to date. Mr. Parsons indicated that Howard Reed (G. Donaldson) would provide.

ATTACHMENTS:

1. Site Plan (Figure 1)
2. Foundation Plan (Figure 2)
3. Site Photographs (3 pages)

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Field Representative(s)
B. Steinert

Total Weekly Time
14.25

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)

Brian C. Smith
Haley & Aldrich, Inc.

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APPROXIMATE LOCATION OF 3/4-IN. AND 1 1/2-IN. CRUSHED STONE STOCKPILES IMPORTED TO THE SITE.

APPROXIMATE EXTENT OF EXCAVATION MADE FOR THE SUBSURFACE STORM-WATER DETENTION STRUCTURE ON 5/29.

APPROXIMATE LOCATION OF CONCRETE DRAINAGE STRUCTURES DELIVERED TO THE SITE ON 5/30.

PLAN NORTH →

APPROXIMATE LOCATION OF FRAC TANK

APPROXIMATE LOCATION OF PVC UNDERDRAIN INSTALLED ON 5/30

OCEAN GATEWAY GARAGE

INDIA STREET

N/F LEO & IRIS D. MICUCCI 2895/96 MICUCCI FRUIT

N/F MICUCCI BROTHERS 11090/193 0.27 AC.

LOT 2 HANCOCK & MIDDLE LLC AREA=12,116 S.F.

LOT 3 OCEAN GATEWAY GARAGE LLC AREA=37,626 S.F.

LOT 4 25 INDIA LLC AREA=6,947 S.F.

N/F SHIPYARD LLC

PAVED RIPRAP SLOPE D=12"

RIPRAP SLOPE D=12"

GRADED GRAVEL FINISH

STONE WALL

CHAIN LINK

3' CONC. WALL w/CHAIN LINK FENCE

MATCH TO SIDEWALK GRADE

COVERED AREA

PAVEMENT

GATE

T.O.W. EL. 25.0

EL.19

SMH 7

CB 19

M6

12"W

12"

13+00

N 301500 E 293100

N 301250 E 293100

HA04-1 HA04-2 HA04-3 HA04-4 HA05-1 HA05-2 HA05-2(DW) HA05-3 HA05-4 HA05-5 HA05-6 HA05-7 HA05-8 HA05-9

S:\30322\2007_0124 - CURRENT RES. FIG 2\2007_0322_BCS_CONMONPLANS.DWG

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OCEAN GATEWAY PARKING GARAGE
MIDDLE STREET
PORTLAND, MAINE

SITE PLAN (SHEET NO. C202)
WEEKLY FIELD REPORT NO.: 2

SCALE: AS SHOWN
APRIL 2007

FIGURE 1

PLAN LOCATION IS APPROXIMATE

25-30 FT+/-

APPROXIMATE LIMIT OF EXCAVATION

INDICATOR PILE

TOW [19.00']

1'-0" DIA x 4'-6" DEEP SONO TUBE W/ (3) #9 VERT BARS AND #4@12" OC TIES (TYP)

1'-6" SQ SUMP PIT

PIT FOR LIFT

ELEVATOR PIT

TO BE TIED INTO COMBINED SEWER MANHOLE (SEE CIVIL DWGS)

PLAN NORTH

--- APPROXIMATE LIMIT OF EXCAVATION

APPROXIMATE EXTENT OF SHEETING INSTALLED ON 5/31 AND 6/1.

FOUNDATION PLAN

3/32"=1'-0"

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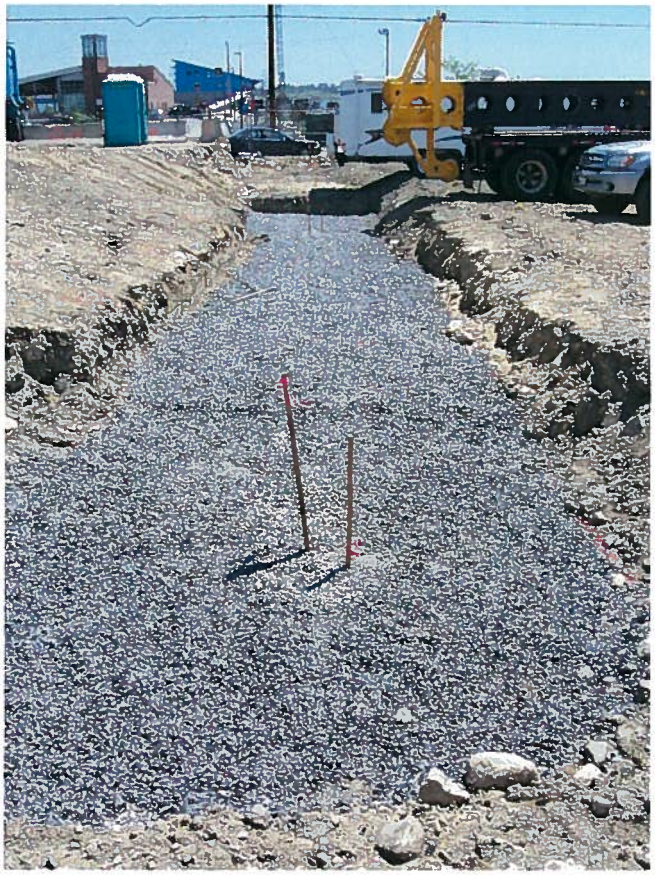
OCEAN GATEWAY PARKING GARAGE
MIDDLE STREET
PORTLAND, MAINE

FOUNDATION PLAN (SHEET NO. S1.00)
WEEKLY FIELD REPORT NO.: 2

SCALE: AS SHOWN
APRIL 2007

FIGURE 2

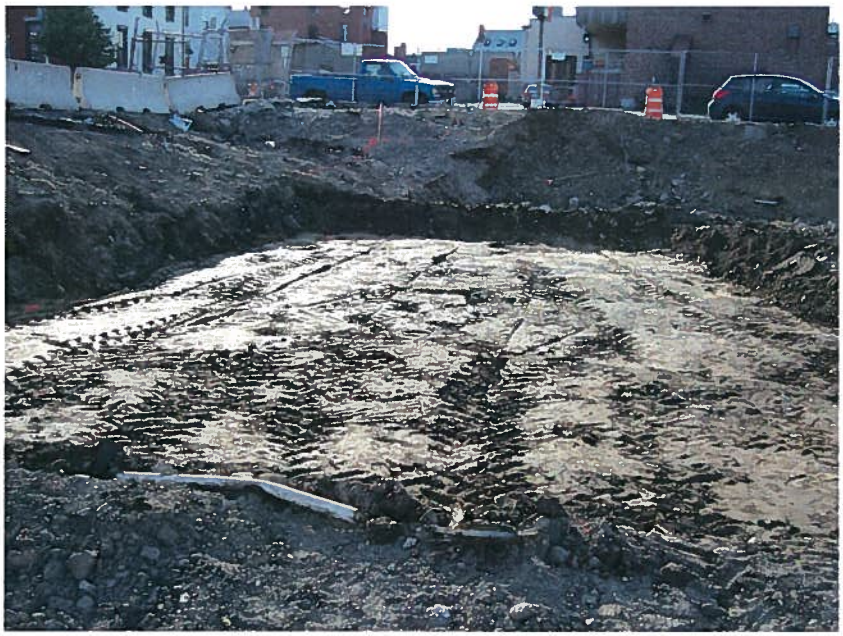
S:\303222007_0124 - CURRENT RES. FIG 222007_0322_BCS_CONMONPLANS.DWG



Photograph 1. Crushed stone placed over prepared subgrade along column line H, looking east (5/29/07).

Photograph 2. Crushed stone placed over prepared subgrade at column G-1, looking south (5/29/07).

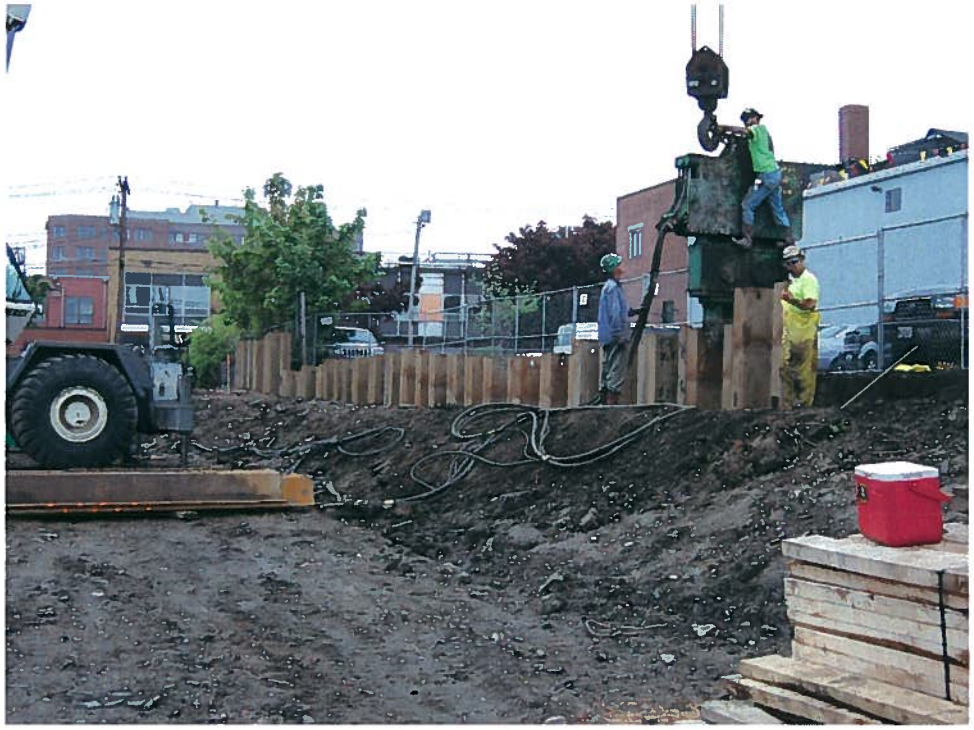
Haley & Aldrich, Inc.



Photograph 3. Prepared subgrade beneath subsurface stormwater chamber, looking west (5/29/07).

Photograph 4. 6-in. diameter perforated plastic underdrain pipe installed (invert at El. 19) beneath the subsurface stormwater chamber, looking west (5/30/07).

Photograph 5. Completed crushed stone layer (top at El. 20) beneath the proposed subsurface stormwater detention structure, looking west (5/30/07).



Photograph 6. Installation of steel sheeting for the support of excavation system parallel to column line 1, adjacent to the Micucci property, looking south (5/31/07).