



**DeLUCA HOFFMAN ASSOCIATES, INC.
CONSULTING ENGINEERS**

778 MAIN STREET
SUITE 8
SOUTH PORTLAND, MAINE 04106
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Site Visit Week of: August 2-6, 2010		Job No.: 1599.52.02
Project: Saco Central Fire Station		
Location: Saco, Maine		
Contractor: Pizzagalli Corp.	Owner: City of Saco	
Present at Site:		
Joe Newton, DeLuca-Hoffman Associates, Inc.		
G. Richards, Pizzagalli Corp.		

TO:	Bob Hamblen – City of Saco
	Angela Blanchette – City of Saco
	John Duross – Saco Fire Department
	Ed Dube – Saco Fire Department
	Grit Richards – Pizzagalli Corp.

- Peters Construction Co. was on site with the following personnel and equipment:

Personnel

- 1 – Superintendent – T. Peters
- 2 – Operator
- 1 – Engineer
- 2 – Laborer
- 2 – Truck Drivers

Equipment

- 1 – Volvo 290 Excavator
- 1 – Volvo 55B Mini-Excavator
- 1 – Volvo Front End Loader
- 1 – Komatsu Dozer
- 1 – I/R Vib Roller Compactor
- 2 – Dump Trucks

- Titon Mechanical Co. was on site with the following personnel:

- 1 – Foreman
- 3 - Plumbers

- Nate Libby Masonry Construction Co. was on site with the following personnel and equipment.

Personnel:

- 1 – Superintendent, Nate Libby.
- 3 – Masons
- 2 - Tenders

Equipment:

- 1 – Cat High Lift
- 1 – Cement Silo and Mixer

- During the on-site construction inspection, the following items were observed:

August 2, 2010

- Peters Construction Co. crew placed and compacted gravel over subgrade of first floor slab in Administration area, loaded out loam and backfilled over the plumber piping, and backfilled gravel at interior of west wall by main entrance. Refer to Photo 1 (4573) and Photo 2 (4575).
- Titon Mechanical Co. crew installed underslab sanitary piping and tested prior to covering. Testing approved by City Plumbing Inspector. Refer to Photo 3 (4569).
- Nate Libby Masonry Construction crew installed concrete masonry units, first course at north wall and east wall of the Apparatus Bay. Refer to Photo 4 (4570).
- Gillespie Geo-Tech on site for compaction testing. All tests passed, 95% and above.
- Fairpoint Communications Co. on site. Set primary power pole and additional pole across on North Street.

August 3, 2010

- Peters Construction Co. crew placed and compacted gravel in Administration area, west wall and entrance area to the Central Fire Station. Crew also installed three light pole bases in rear parking lot. Refer to Photo 5 (4596).

- Lajoie Bros. Construction Co. crew installed footing forms and reinforcing steel in west wall of Apparatus Bay. Refer to Photo 6 (4589). Lajoie Bros. Construction Co. crew placed approximately 15 cubic yards of concrete in the forms.
- Titon Mechanical Co. crew installed underslab sanitary piping in Administration area towards “C” line of building. Refer to Photo 8 (4594).
- Nate Libby Masonry Construction Co. crew installed concrete masonry units on “C” line of fire station and flashing on exterior north wall of the Apparatus Bay. Crew completed five courses of block on “C” line wall. Refer to Photo 7 (4591).

August 4, 2010

- Peters Construction Co. crew placed and compacted gravel on subgrade in the rear parking lot. Refer to Photo 9 (4611).
- Lajoie Bros. Construction Co. crew installed forms and reinforcing steel and 13 cubic yards of concrete in the west wall of the Apparatus Bay. Refer to Photo 10 (4624).
- Gillespie Geo-Tech on site to test and sample concrete.
- Titon Mechanical Co. crew installed underslab sanitary piping near “C” line wall in the Administration area. Refer to Photo 11 (4618).
- Nate Libby Masonry Co. crew continued installing concrete masonry blocks on “C” line wall of the Apparatus Bay and east wall of the Apparatus Bay. Refer to Photo 12 (4616) and Photo 13 (4613).

August 5, 2010

- Peters Construction Co. crew excavated trenches for plumbing piping and placed and compacted gravel in the rear parking lot. Refer to Photo 14 (4634).
- Lajoie Bros. Construction Co. crew installed forms, reinforcing steel and 11 cubic yards of concrete in the forms. Crew stripped forms from foundation wall, west side of the Apparatus Bay. Refer to Photo 15 (4632).
- Gillespie Geo-Tech on site to test and sample concrete.
- Titon Mechanical Co. crew installed sanitary underslab piping in southeast corner of building. Refer to Photo 16 (4643).
- Nate Libby Construction Co. crew placed grout and reinforcing steel in bond beams in block walls of “C” line and north wall of the Apparatus Building.
- BH Millekin Electrical Co. crew installed tele/data conduits to the interior of the Administration area and lighting conduits from west area to the Apparatus Bay. Foreman and 1 electrician on site. Refer to Photo 17 (4640).

August 6, 2010

- Peters Construction Co. excavated for footings and column pads on the north wall of the Apparatus Bay. Crew placed and compacted gravel in access roadway south of fire station building. Refer to Photo 18 (4656).
- Peters Construction Co. crew installed foundation under drain piping along west wall of the Apparatus Bay. Crew did not install any required insulation. Crew to excavate for insulation at later date.
- Lajoie Bros. Construction Co. crew stripped forms from the interior footing at the north wall of the Apparatus Bay. Crew also installed foundation footing forms for the door entrance on the south side of the Administration area of the fire station. Refer to Photo 19 (4655).

- Titon Mechanical co. crew installed sanitary underslab piping at the corner of the “6” line and “C” line of the Administration area. Refer to Photo 20 (4654).
- Nate Libby Masonry Construction Co. crew installed concrete masonry blocks on the west wall of the Apparatus Bay and set up staging along the “C” wall of the building. Crew also placed grout in bond beam on “C” line wall. Crew was stopped from grouting as mixing time was exceeded. Crew also wasn’t able to install reinforcing steel as grout had set up. Refer to Photo 21 (4659).
- BH Millekin Electrical Co. crew continued on tele/data conduits underslab to area below Telecommunication room. Refer to Photo 22 (4653).

2. Issues:

- Insulation for foundation west wall of Apparatus Bay was not installed.
- Reinforcing steel in bond beam of “C” line wall was not installed as concrete had set. Approval by Structural Designer to drill and epoxy in later.



Photo 1 (4573): Shows Peters Construction Co. crew placed gravel and compacted interior of west wall by entrance to fire station.



Photo 2 (4575): Shows Peters Construction Co. crew placing and compacting gravel by main entrance to fire station.



Photo 3 (4569) Shows Titon Mechanical Co. crew installing underslab sanitary piping.



Photo 4 (4570): Shows Nate Libby Masonry Co. crew placed concrete masonry block on north and west wall of the Apparatus building.



Photo 5 (4596): Shows Peters Construction Co. crew installing light pole base in rear parking lot.



Photo 6 (4589): Shows Lajoie Bros. Construction Co. crew forming west wall foundation footing.



Photo 7 (4591): Shows Nate Libby Masonry Construction crew installing concrete masonry block on "C" line wall.



Photo 8 (4594): Shows Titon Mechanical Co. crew installing sanitary piping in subgrade of Administration area.



Photo 9 (4611): Shows Peters Construction Co. crew placing and compacting gravel in the rear parking lot.



Photo 10 (4624): Shows Lajoie Bros. Construction Co. crew placing concrete in forms for the west wall of the Apparatus Bay.



Photo 11 (4618): Shows Titon Mechanical Co. crew installing sanitary piping in subgrade of Administration area of the fire station.



Photo 12 (4616): Shows Nate Libby Construction Co. crew placed concrete block on the north wall of the Apparatus Bay.



Photo 13 (4613): Shows Nate Libby Masonry Construction crew placing concrete masonry blocks on the east wall of the Apparatus Bay.



Photo 14 (4634): Shows Peters Construction Co. crew placing gravel and compacting material in the rear parking lot.



Photo 15 (4632): Shows Lajoie Bros. Construction Co. crew installing forms and reinforcing steel for west wall of the Apparatus Bay.



Photo 16 (4643): Shows Titon Mechanical Co. crew installing sanitary piping in subgrade at the southeast corner of the Administration area.



Photo 17 (4640): Shows BH Millekin Electrical Co. crew installing PVC conduit to the interior of the fire station.



Photo 18 (4656): Shows Peters Construction Co. crew placing and compacting gravel in south access way to the rear parking lot.



Photo 19 (4655): Shows Lajoie Bros. Construction Co. crew installing foundation footing forms for the south side door entrance.



Photo 20 (4654): Shows Titon Mechanical Co. crew installing sanitary piping in subgrade near the "6" line and "C" line of the building.



Photo 21 (4659): Shows Nate Libby Masonry Construction Co. crew working on east wall of the Apparatus Bay.



Photo 22 (4653): Shows BH Milliken Electrical Co. crew installing tele/data conduits in subgrade of the first floor slab in the Administration area.

Prepared by: Joe Newton, Construction Monitor	Site Visits – Week of August 2 - 6, 2010
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