



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

778 MAIN STREET
SUITE 8
SOUTH PORTLAND, MAINE 04106
TEL. 207 775 1121
FAX 207 879 0896

Site Visit Week of: August 24-27, 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 – Operator

Equipment

1 – Volvo 55B Mini-Excavator

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

Personnel

1 – Foreman
2 – Plumbers

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

Personnel

1 – Superintendent, Nate Libby
8 – Masons
4 – Mason Tenders

Equipment

1 – High Forklift
1 – Cement Silo & Mixer

- **Davis Erectors Co.** on site with the following personnel and equipment:

Personnel

1 – Owner/Superintendent
2 – Steel Workers

Equipment

1 – High Forklift

- **Goodwin Well Drilling Co.** was on site with the following personnel and equipment:

Personnel

1 – Owner/Superintendent
2 – Drillers
2 – Helpers
2 – Geothermal Well Piping Installers/Grouters

Equipment

2 – Drill Rigs
2 – Support Trucks
1 – High Forklift
1 – Grout Pump & Pipe Reel

- **R.W. Gillespie & Associates** was on site with the following personnel:

Personnel

2 – Geo-Technicians

- **B.H. Millekin Electrical Co.** was on site with the following personnel:

Personnel

1 – Foreman

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

August 24, 2010

- Peters Construction Co. crew excavated to install insulation on the exterior of the foundation west wall of the Apparatus Bay. Refer to Photo 1 (039).

- Titan Mechanical Co. crew installed main line sanitary piping below the slab in the Apparatus Bay. Refer to Photo 2 (030).
- Goodwin Well Drilling Co. crew reamed out two geothermal wells, completed No. 10 well and installed piping and grouted well. Second crew set-up on geothermal well No. 6. Crew completed to bottom, installed piping, but lacked completing with cave within 6' to 8' from bottom. Refer to Photo 3 (038).
- Nate Libby Masonry Co. crew installed concrete masonry units in stairwell No. 1 and No. 2 and the elevator shaft. Refer to Photo 4 (031).
- Davis Erectors Co. crew installed decking on 2nd floor elevation in the Administration area. Refer to Photo 5 (033).
- B.H. Millekin Electric Co. crew fabricating conduit extensions for the masons to install in stairwell walls.
- Gillespie on-site to test geothermal well piping 100 psi air with water. Refer to Photo 6 (027).

August 25, 2010

- Peters Construction Co. crew excavated for additional area around the geothermal wells for drilling access. Excavated plumbing trenches in Apparatus Bay.
- Titan Mechanical Co. crew set floor clean outs and floor drains in Administration area. Crew tested 6" drain piping for some of the trench drains in the Apparatus Bay.
- Goodwin Well Drilling Co. crew continued drilling out geothermal well No. 8. Second crew pulled casing on geothermal well No. 10 and set-up on No. 9.
- Nate Libby Masonry Co. crew grouted walls in No. 1 and No. 2 stairways and elevator shaft.
- Gillespie on-site to test concrete grout and take samples.
- Crews left early because of heavy rains.

August 26, 2010

- Peters Construction Co. crew excavated trenches for sanitary piping for the trench drains in the Apparatus Bay for the plumbers. Refer to Photo 7 (0044).
- Titan Mechanical Co. crew regrading sanitary piping for the trench drains that floated during the heavy rains on 8-25-10. Retested piping and passed pressure test.
- Nate Libby Masonry Co. crew continued placing concrete masonry blocks in stairwells No. 1 and No. 2 and elevator shaft. Refer to Photo 8 (0051).
- Nate Libby Masonry Co. crew received the precast concrete lintels for Apparatus Bay rear door openings, set lintels in place. Crew also grouted bond beams in stairwell No. 1, No. 2 and the elevator shaft. Refer to Photo 9 (0039).
- Davis Erectors Co. crew installed roof decking on roof of Administration area. Refer to Photo 10 (0041).
- Goodwin Well Drillers Co. crew reamed out No. 9 geothermal well, second crew reamed out No. 8. Installed geothermal well pipe and grouted No. 8 well. Refer to Photo 11 (0043).
- Notified G. Richards of Pizzagalli Corp. of ponding in future filter area and approximately 16' to 20' of silt fence was damaged.
- Peters Construction Co. crew pumped ponded area and repaired silt fence damaged.

August 27, 2010

- Peters Construction Co. crew continued pumping down ponded area and excavated sanitary piping trenches for the trench drains in the Apparatus Bay area. Refer to Photo 12 (0066).
- Goodwin Well Drilling Co. crew reamed out well No. 5 and well No. 7, completed reaming out geothermal well No. 7, installed piping and grouted well. Refer to Photo 13 (0063).
- Nate Libby Masonry Co. crew installed concrete masonry blocks in the elevator shaft and started on east wall of the Apparatus Bay. Refer to Photo 14 (0059).
- Titan Mechanical Co. crew installed trench drain piping in the Apparatus Bay area. Refer to Photo 12 (0066).
- Davis Erectors Co. crew installed decking at the roof elevation of the Administration area.

Note: No major issues at this time.



Photo 1 (039): Shows Peters Construction Co. crew installing exterior insulation at the foundation wall of the Apparatus Bay west wall.



Photo 2 (030): Shows Titan Mechanical Co. crew installing sanitary drain piping below the floor slab in the Apparatus Bay area.



Photo 3 (038): Shows Goodwin Well Drilling Co. crew installing the piping in geothermal well No. 10.



Photo 4 (031): Shows Nate Libby Masonry Co. crew installing concrete masonry units on stairwell No. 1.



Photo 5 (033): Shows Davis Erectors Co. crew installing decking on second floor elevation in the Administration area.



Photo 6 (027): Shows Gillespie testing the geothermal well piping.



Photo 7 (0044): Shows Peters Construction Co. crew excavating piping trenches for Titan Mechanical Co. crew in Apparatus Bay.



Photo 8 (0051): Shows Nate Libby Masonry Co. crew installing concrete blocks in stairwells No. 1 and 2.



Photo 9 (0039): Shows Nate Libby Masonry Co. crew receiving precast concrete lintels for the Apparatus Bay rear doorways.



Photo 10 (0041): Shows Davis Erectors Co. crew working on roof decking.



Photo 11 (0043): Shows Goodwin Well Drilling Co. crew installing geothermal piping in well No. 8.



Photo 12 (0066): Shows Titan Mechanical Co. crew installing sanitary drain piping in the Apparatus Bay, excavations performed by Peters Construction Co. crew.



Photo 13 (0063): Shows Goodwin Well Drilling Co. crew installing geothermal piping in well No. 7.



Photo 14 (0059): Shows Nate Libby Masonry Co. crew installing masonry blocks on east wall of the Apparatus Bay.