GFE LLC environmental consultants

58 Nokomis Avenue
Lake Hiawatha, NJ 07034
Phone: (646) 542-3465
Fax: (973) 334-1692
e-mail: frankg4@optonline.net

September 22, 2008

FINISH LINE TECHNOLOGIES, INC.
1545 Fifth Industrial Court
Bayshore New York 11706

Attn: Mr. Hank Krause

RE: SUB-SLAB DEPRESSURIZATION SYSTEM INSTALLATION/TESTING
FINISH LINE TECHNOLOGIES, INC. BUILDING
1545 FIFTH INDUSTRIAL COURT
BAYSHORE, NEW YORK

Dear Mr. Krause:

As requested, GFE LLC visited the 1545 Industrial Court building (the "Site") to review the completed installation of a sub-slab depressurization (SSD) system. In addition, GFE installed testing points into the building floor slab so that negative pressure beneath the slab can be verified.

Background

The Site contains one single-story approximately 25,000 square-foot building on an approximately two acre parcel. The Site building is constructed of steel frame with masonry perimeter walls. No below-grade levels exist within the building and the foundation consists of poured-concrete slab on-grade. Currently, the Site is used for warehouse purposes. The Site historically has been used for industrial purposes; a prior owner/occupant ("Rite-Off, Inc.") used a substantial amount of hazardous materials in their mixing and packaging of various lubricants and degreasing agents. In 1983, a discharge of perchloroethylene ("PCE"), a volatile organic compound (VOC), occurred in the Rite-Off, Inc. operation. Reportedly, the discharge occurred at a holding tank inside the southwest side of the Site building. The spilled PCE flowed south along the floor slab through a loading dock bay door and into an exterior drywell located near the southwest corner of the Site building. By 2002, cleanup efforts by the former Site owner reduced contaminant concentrations in groundwater to levels that required no additional remediation or investigation.

As requested by the New York State Department of Environmental Conservation (NYSDEC), GFE completed a Sub-Slab Soil Vapor and Indoor Air Quality Investigation of the Site in July 2007. The results of this study identified elevated VOCs in soil gas beneath the floor slab of the Site building. No VOCs were detected in indoor air.

Scope of Work Completed

The SSD system was installed to create a negative pressure beneath the Site building floor slab in order to prevent intrusion of volatile organic vapors into the building interior. This project was completed in response to a GFE's prior sub-slab soil vapor survey, which identified elevated levels of VOCs in soil vapor beneath the slab.

The SSD consists of four suction pits that were installed at strategic locations within the Site building. The pits are situated at the western and central sections of the building within, and in proximity of, the area where historical chemical handling and a release of volatile organic compounds occurred, and where prior sub-slab soil vapor sample analysis results disclosed elevated level of volatile organic vapors. These pits are approximately 20 inch wide (square) penetrations and are approximately 16 inches deep. The pits were filled with gravel and suction piping was placed within each pit. The spacing and placement of the pits was established so that the areas of influence at the subsurface that is created by activation of the system would overlap. Subsurface soil beneath the slab consists of dry, well sorted sand with high porosity and permeability, so a maximum pit spacing of approximately 40 feet was selected. Piping consists of six-inch diameter schedule 40 PVC tubing. Once the pipe risers were installed, the suction pits were covered with concrete and an airtight caulk seal was applied around the pipes where they penetrate the concrete slab. The risers extend to the ceiling of the building where they are manifolded to a Fantech in-line fan rated at 150 watts and 350 cubic meters of air per minute. The fan runs continuously and vents through the roof of the building. The attached site plan shows the locations of the suction pits.

GFE installed a total of four sub-slab penetrations to verify that negative pressure exists. The attached site plan shows the locations of these penetrations, which were installed using a hammer drill equipped with a 5/8" drill bit. Each penetration extends to two inches below the slab. GFE inserted a 3/8" inch diameter PVC tube into each penetration and sealed the gap between the tube and drill hole with flexible caulking. The tops of the tubes (extending from the slab) are capped with a brass fitting. The SSD was designed and installed in accordance with the New York State Department of Health document titled *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York.*

Once test points were completed, GFE conducted a smoke test at each location and verified that negative pressure exist by observing that the smoke was withdrawn into each test point.

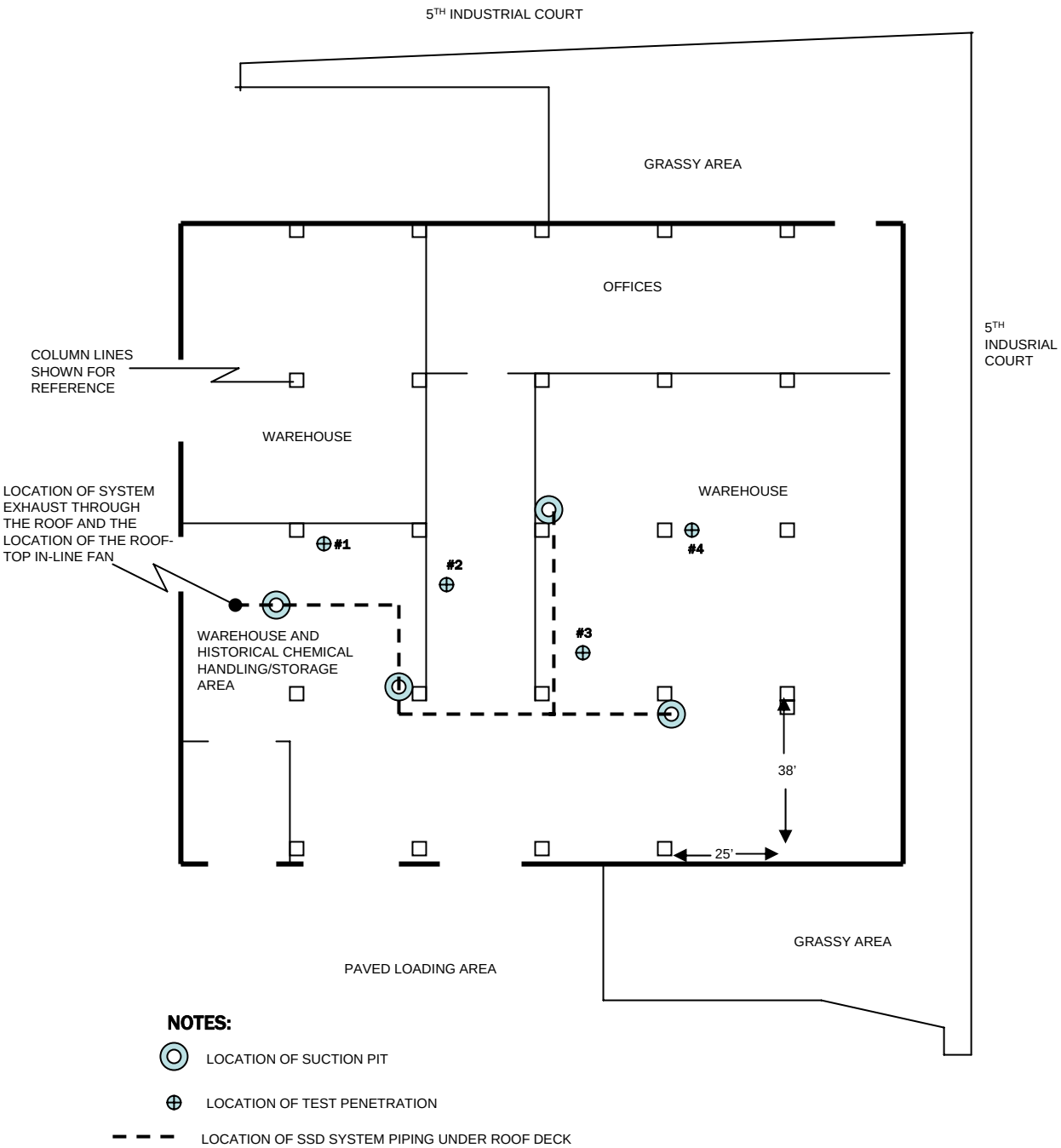
A floor plan showing the location of the SSD system is attached. If you have any questions concerning this correspondence, please feel free to call at (646) 542-3465.

Sincerely,

GFE LLC



Frank Galdun
Registered Professional Geologist (registration attached)



NOTES:

LOCATION OF SUCTION PIT

LOCATION OF TEST PENETRATION

LOCATION OF SSD SYSTEM PIPING UNDER ROOF DECK

SSD SYSTEM LOCATION PLAN: 1545 5TH INDUSTRIAL CT., BAY SHORE, NY

GFE LLC
58 Nokomis Avenue
Lake Hiawatha, NJ 07034
Phone: 646-542-3465 Fax: 973-334-1692

N

DRAWN BY:

FRANK GALDUN, 9/08

SCALE: 1"=40'