

## Detterman, Mark, Env. Health

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**From:** Debra Moser [djm@tsgcorp.net]  
**Sent:** Tuesday, June 30, 2015 7:47 PM  
**To:** Detterman, Mark, Env. Health  
**Cc:** Mike Rogers; Eric Choi  
**Subject:** Re: ABF Freight, 4575 Tidewater, Oakland - update  
**Attachments:** Updated Figure\_6.30.2015.pdf

And here is the figure!

On Tue, Jun 30, 2015 at 3:24 PM, Debra Moser <[djm@tsgcorp.net](mailto:djm@tsgcorp.net)> wrote:

Hi Mark,

We completed the vacuuming and jetting of the sewer lines at the ABF Oakland maintenance building on June 16, 2015; this is the informal data submittal. In summary, the line clearing went reasonably well, but the video camera could not negotiate double-bends between the floor drains and the sewer lines. Therefore, unfortunately we do not have a video survey of the sewers.

Here are details from the floor drain/sewer line clearout/vac and video activities:

On June 16, 2015, Trinity Source Group, Inc. (Trinity) mobilized to the ABF Freight Facility located at 4575 Tidewater Dr. in Oakland, California to assess the floor drain/sewer lines located in the maintenance building located in northwestern portion of the ABF Facility. The assessment of the floor drains/sewer lines was to determine whether or not the floor drains/sewer lines are a potential source of the LNAPL observed in earlier environmental fieldwork (Soil Boring SB-4 was the boring location where LNAPL was observed). IWM was sub-contracted to hydro jet and apply high vacuum on the lines to dislodge/remove/clear the drain/sewer lines for video surveying of the lines. Upon site arrival, standing oily water was observed in the most western floor drain, the most southern floor drain was dry with misc. debris, and the floor drain near soil boring SB-5 had oily debris in it and also was missing the floor drain guard. All three drain locations were vacuumed to remove large debris, the debris consisted of screws, nuts, bolts, oily rags, and misc. trash debris. Hydro jetting followed the vacuum, using a hydro jet tool and also water was introduced to the lines to help break up buildup and to dislodge obstructions. A combination of vacuuming, hydro jetting, and adding water was used to clear all the accessible lines, till no standing water was observed in the lines, and till the influence of the vacuum was observable in all three drain inlets with the application of vacuum to a line. Approximately 20 feet of line from each drain inlet was hydrojetted, except for the most western drain, as the hydro jetting tool couldn't make the bend into the main line.

The attached figure shows the lines that were cleared, and the locations of the floor drains used to access these lines.

Approximately 400 gallons of non-hazardous water was generated from the vacuum activities, and was properly disposed of at Seaport Refining and Environmental located in Redwood City, California. Westcoast Locators were sub-contracted to perform the video survey of the cleared drain/sewer lines. Westcoast Locators

technician was not able to video survey the lines due to video equipment accessibility issues. Due to the design of the floor drain/sewer lines (two 90-degree bends just below the floor drain), the video survey equipment couldn't reach the main line to perform the video survey.

Based on the work completed so far, Trinity proposes installing two additional soil borings in close proximity to existing sewers west and southwest of SB-4 to delineate the potential LNAPL area as requested by the Alameda County Environmental Health. The proposed boring locations are shown on the attached figure.

Please let us know any if you need additional information, and we will schedule the borings after you approve the locations.

Thank you,

Debbie

***Debra J. Moser, PG, CEG, CHG***

Senior Geologist

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**We have moved!**  
**Please note our new address.**

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**Debra J. Moser, PG, CEG, CHG**  
Senior Geologist



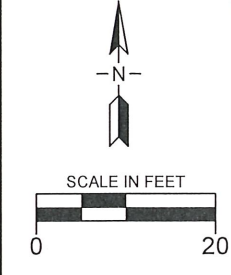
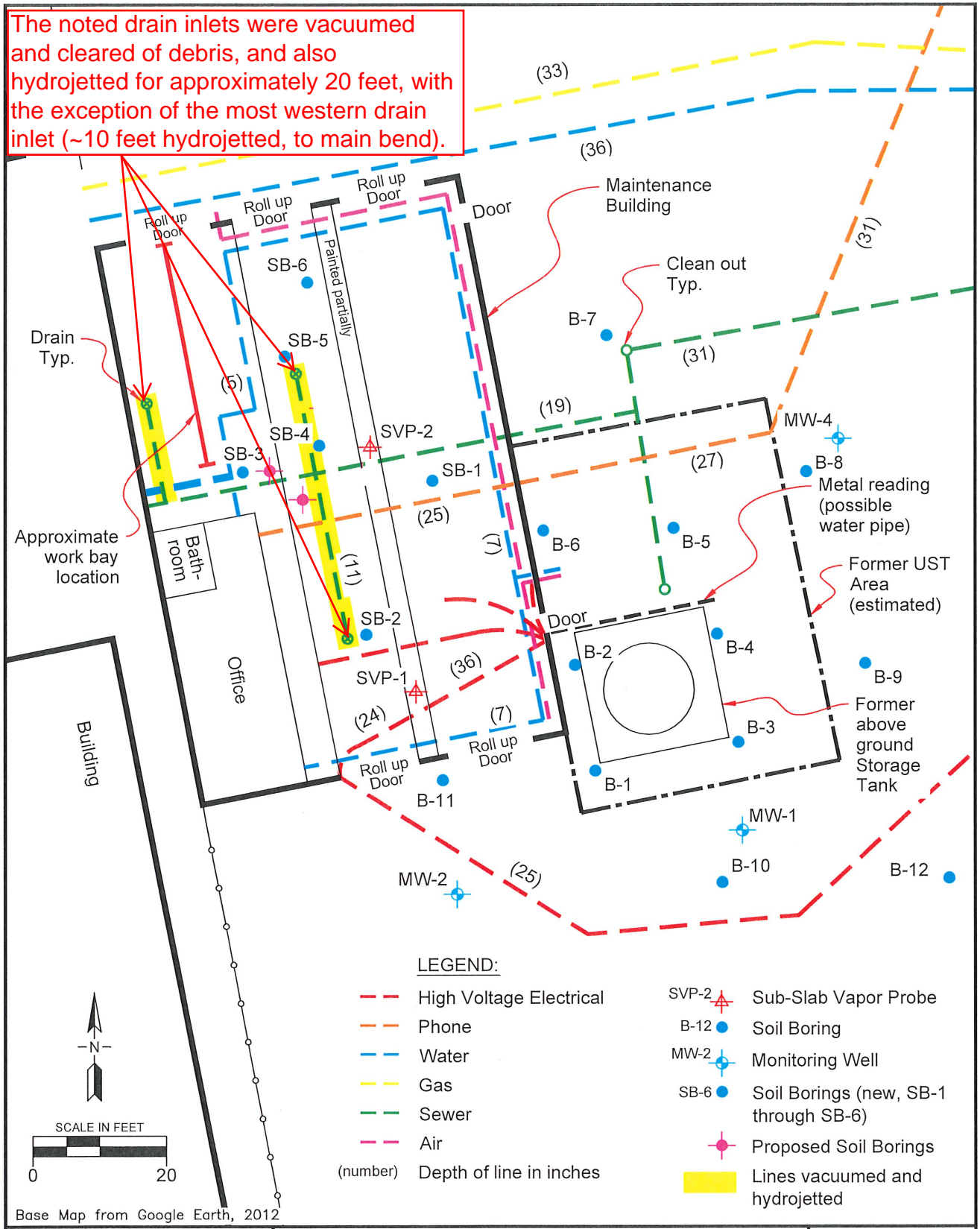
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The noted drain inlets were vacuumed and cleared of debris, and also hydrojetted for approximately 20 feet, with the exception of the most western drain inlet (~10 feet hydrojetted, to main bend).



- LEGEND:**
- High Voltage Electrical
  - Phone
  - Water
  - Gas
  - Sewer
  - Air
  - (number) Depth of line in inches
  - SVP-2 Sub-Slab Vapor Probe
  - B-12 Soil Boring
  - MW-2 Monitoring Well
  - SB-6 Soil Borings (new, SB-1 through SB-6)
  - Proposed Soil Borings
  - Lines vacuumed and hydrojetted

REF. 154\_001\154.009.001 figures.dwg

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**PROPOSED SOIL BORINGS, SOIL BORINGS, SUB-SLAB VAPOR PROBE, UTILITIES LOCATION MAP**  
 ABF Freight System Facility  
 4575 Tidewater Ave.  
 Oakland, California

PROJECT:  
 154.009.001  
 FIGURE:  
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