

Steven Scharf - NG OU3 RI Finding Update: Chloroform

From: "Stern, David" <David.Stern@arcadis-us.com>
To: "Steven Scharf" <sxscharf@gw.dec.state.ny.us>
Date: 2/14/2007 10:48 AM
Subject: NG OU3 RI Finding Update: Chloroform
CC: "Matt Russo" <mrusso@oysterbay-ny.gov>, "Cofman, John" <john.cofman@ngc....>
Attachments: CHLOROFORM_Conc GW.pdf

Steve:

ARCADIS is providing NYSDEC with information pertaining to a significant finding based on ongoing data analysis of the NG OU3 RI data. ARCADIS has identified what appears to be a second contaminant subplume that could be related to TOB operations. Attached is a very preliminary site plan of chloroform in groundwater. Although there is a minor amount of chloroform in the western part of the Park (generally 10 ug/L or less) there is a relatively significant 2nd plume of chloroform in groundwater (>100 ug/L) on the east site of the Park; this subplume is co-located with the TOB-related Freon 22 groundwater plume previously identified in the area. Given that chloroform is ND north of the pool, the data suggest that chloroform appears to be associated with the pool. The values shown represent the maximum chloroform concentration detected at any given location, which for the most part, is at or close to the water table (approx. 55 ft bls).

Feel free to call to discuss.

<<CHLOROFORM_Conc GW.pdf>>

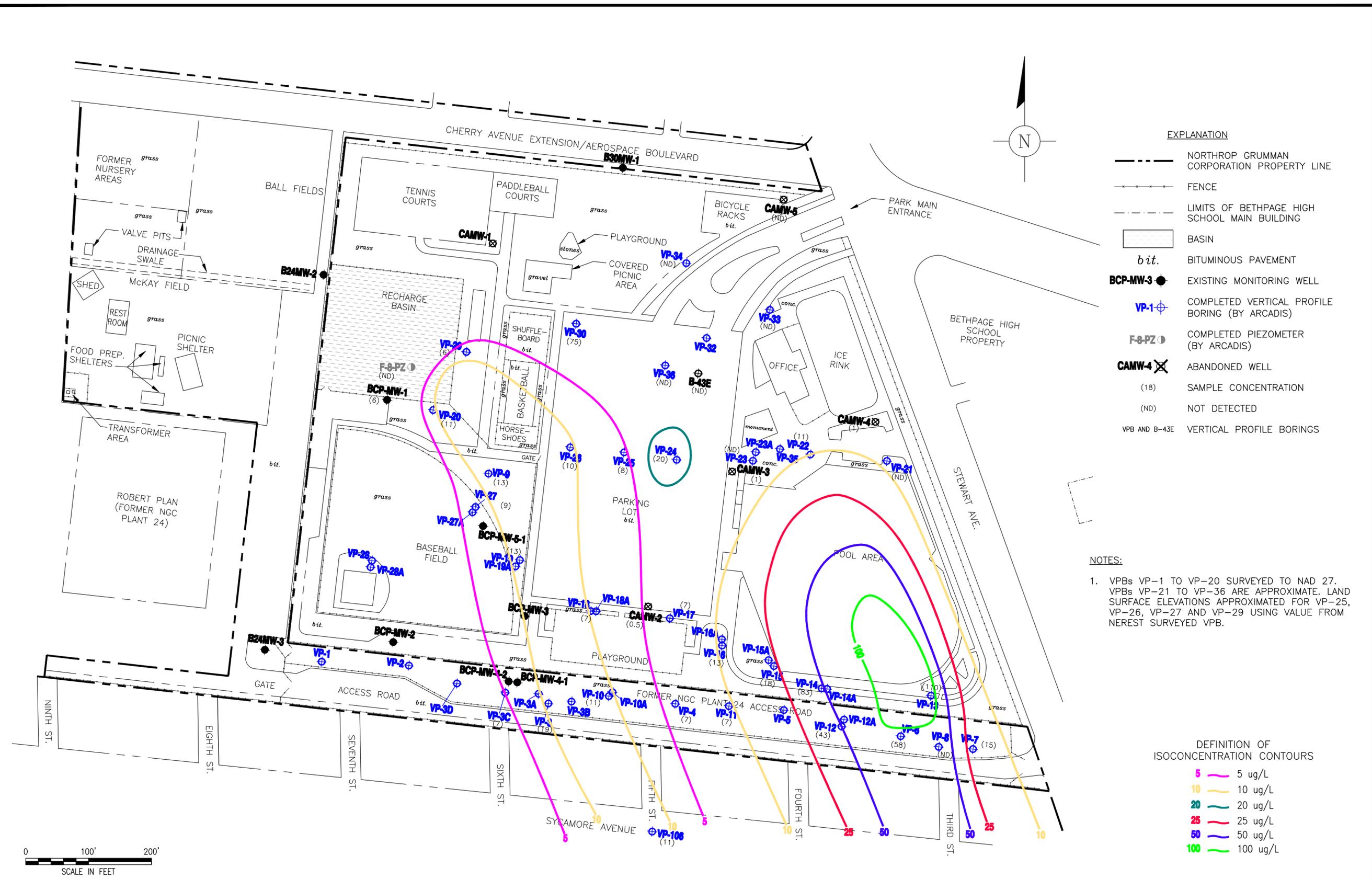
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Acad Version : R17.0s (LMS TBo3) Time : Tue, 13 Feb 2007 7:04pm
 User Name : alsanchez
 Path Name : G:\PROJECT\Northrop Grumman\DCadd\OU3\2007\CONTOURS\CHLORFORM_Conc_GW.dwg
 Current Plotstyle : ByColor
 Layout Tab: CHLORFORM



- EXPLANATION**
- NORTHROP GRUMMAN CORPORATION PROPERTY LINE
 - - - FENCE
 - - - LIMITS OF BETHPAGE HIGH SCHOOL MAIN BUILDING
 - [] BASIN
 - bit.* BITUMINOUS PAVEMENT
 - BCP-MW-3 EXISTING MONITORING WELL
 - ⊕ VP-1 COMPLETED VERTICAL PROFILE BORING (BY ARCADIS)
 - ⊙ F-8-PZ-1 COMPLETED PIEZOMETER (BY ARCADIS)
 - ⊗ CAMW-4 ABANDONED WELL
 - (18) SAMPLE CONCENTRATION
 - (ND) NOT DETECTED
 - VP AND B-43E VERTICAL PROFILE BORINGS

NOTES:

- VPBs VP-1 TO VP-20 SURVEYED TO NAD 27. VPBs VP-21 TO VP-36 ARE APPROXIMATE. LAND SURFACE ELEVATIONS APPROXIMATED FOR VP-25, VP-26, VP-27 AND VP-29 USING VALUE FROM NEREST SURVEYED VPB.

- DEFINITION OF ISOCONCENTRATION CONTOURS**
- 5 5 ug/L
 - 10 10 ug/L
 - 20 20 ug/L
 - 25 25 ug/L
 - 50 50 ug/L
 - 100 100 ug/L

PRELIMINARY DRAFT

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	NO.	ISSUED DATE		REVISION DESCRIPTION	BY/CKD	SHEET TITLE	SITE PLAN SHOWING CHLORFORM IN GROUNDWATER		TASK/PHASE NUMBER 00004	DRAWN BY A. SANCHEZ
	0	02-13-07		DRAFT	MR	PROJECT NUMBER		NY001348.0807		DRAWING NUMBER