

US EPA ARCHIVE DOCUMENT



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 1
1 CONGRESS STREET, SUITE 1100
BOSTON, MASSACHUSETTS 02114-2023

Superfund Records Center

SITE: Centredale

BREAK: 23, 13.1

OTHER: 30731

June 27, 2002

Dear Resident:

Enclosed please find the results of the latest dioxin sampling next to the Allendale Pond in North Providence. This soil testing was conducted in April 2002 by private parties under EPA's oversight. Attached are figures which illustrate the locations of samples on the Allendale Pond banks collected closest to your property.

Loureiro Engineering Associates (LEA) from Plainville, CT, collected about forty samples from twenty locations along Allendale Pond to supplement the existing information on dioxin distribution in the floodplain soils prior to beginning excavation activities.

Thirty-nine of the 40 soil samples, including those closest to your property, were below the national cleanup criteria of 1 ppb (parts per billion) of dioxin. One sample, collected at a location north of George Street, was found to contain dioxin at an elevated level of 1.52 ppb. This sample was taken from a depth greater than one foot, and the area will be included as part of the excavation activities to remove dioxin contaminated soils from on or near residential properties.

The April 2002 sample locations are indicated with a blue triangle on the attached map. The sampling results, recorded in parts per billion, are shown next to the sampling location, within the parentheses. To assist you, we have highlighted the information in yellow. The attached map also includes previous sampling locations in the area of your property, the results of which have already been provided to you.

EPA is currently re-evaluating the field screening results obtained last Fall by LEA using recently developed test kits for dioxin sampling. Based on the results to-date, including the April 2002 laboratory results, these test kits may not be as reliable as EPA had anticipated. Therefore, additional samples will be collected from these areas and standard laboratory analysis will be performed on the samples prior to any excavation. This sampling is planned to begin as early as July, followed by the excavation and removal of contaminated soil later this year.

LEA will be contacting affected residents prior to the start of work. EPA staff are also available to meet with you one-on-one to discuss this information. Please feel free to contact Angela Bonarrigo, Community Involvement Coordinator, for the project at 888-372-7341 x 81034 or 617-918-1034 with any questions you may have.

We recommend that you continue to avoid contact with river sediments and contaminated soils and follow the "Do's and Don'ts for the Woonasquatucket River."

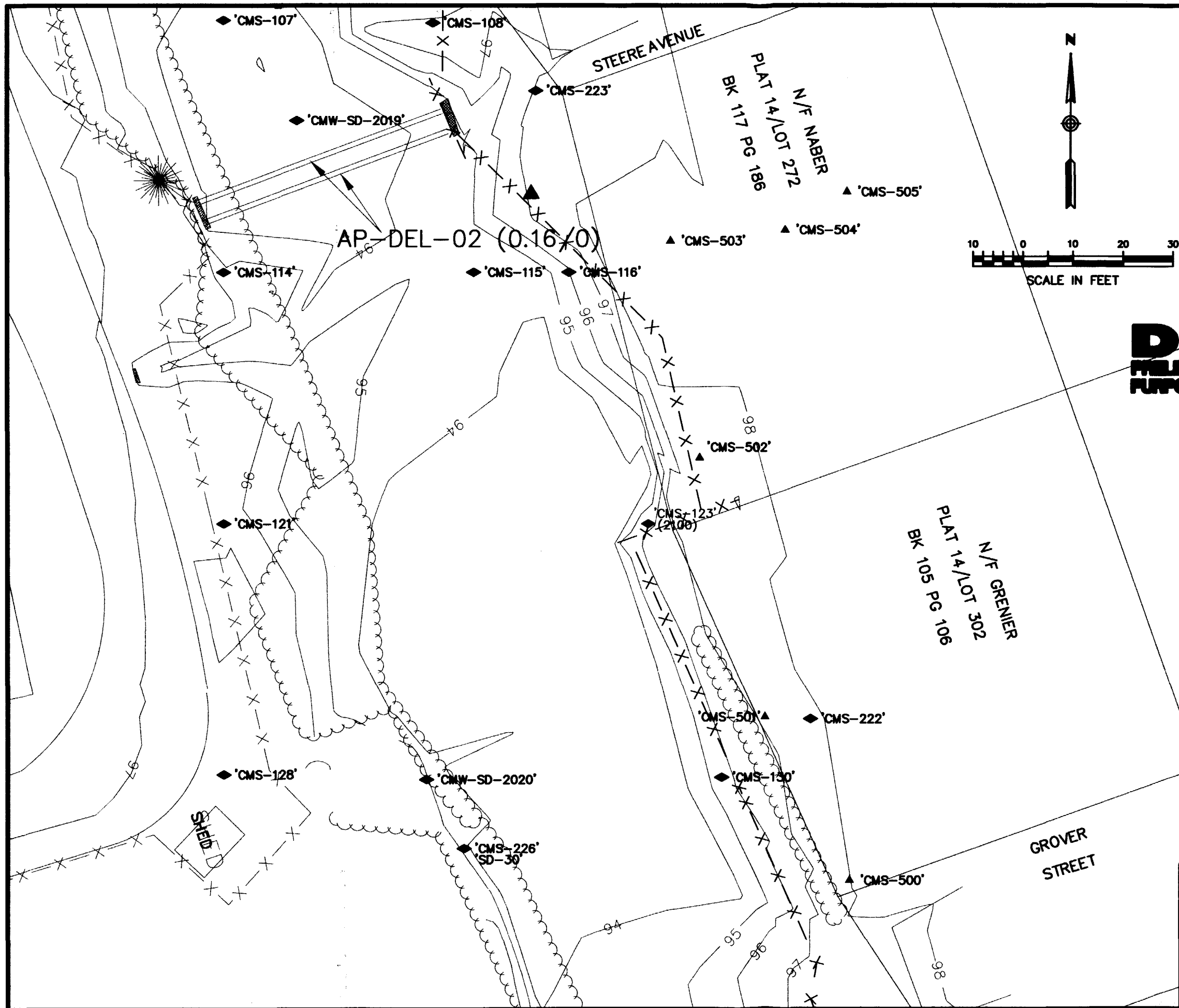
Sincerely,

Anna Krasko, Acting Chief
NH & RI Superfund Section
Office of Site Remediation and Restoration

Toll Free • 1-888-372-7341

Internet Address (URL) • <http://www.epa.gov/region1>

Recycled/Recyclable • Printed with Vegetable Oil Based Inks on Recycled Paper (Minimum 30% Postconsumer)



DRAFT
 PRELIMINARY FOR REVIEW
 PURPOSES ONLY

KEY PLAN

SCALE 1" = 20000'

LEGEND

- ▲ CMS-422 EPA SOIL SAMPLE, DIOXIN < 1 ppb
- ▲ CMS-456 EPA SOIL SAMPLE, DIOXIN > 1 ppb (2100) (DIOXIN CONCENTRATION IN ppt)
- ◆ CMS-091 EPA SEDIMENT SAMPLE, DIOXIN < 1 ppb
- ▲ AP-DEL-01 APRIL 2002 SAMPLE RESULTS (ppb) (0.05/0.08) (0-1'/1'-2')
- (NS) NOT SAMPLED

CENTREDALE MANOR SUPERFUND SITE
 NORTH PROVIDENCE, R.I.

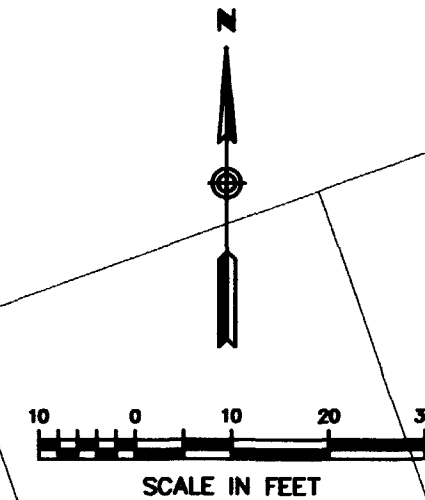
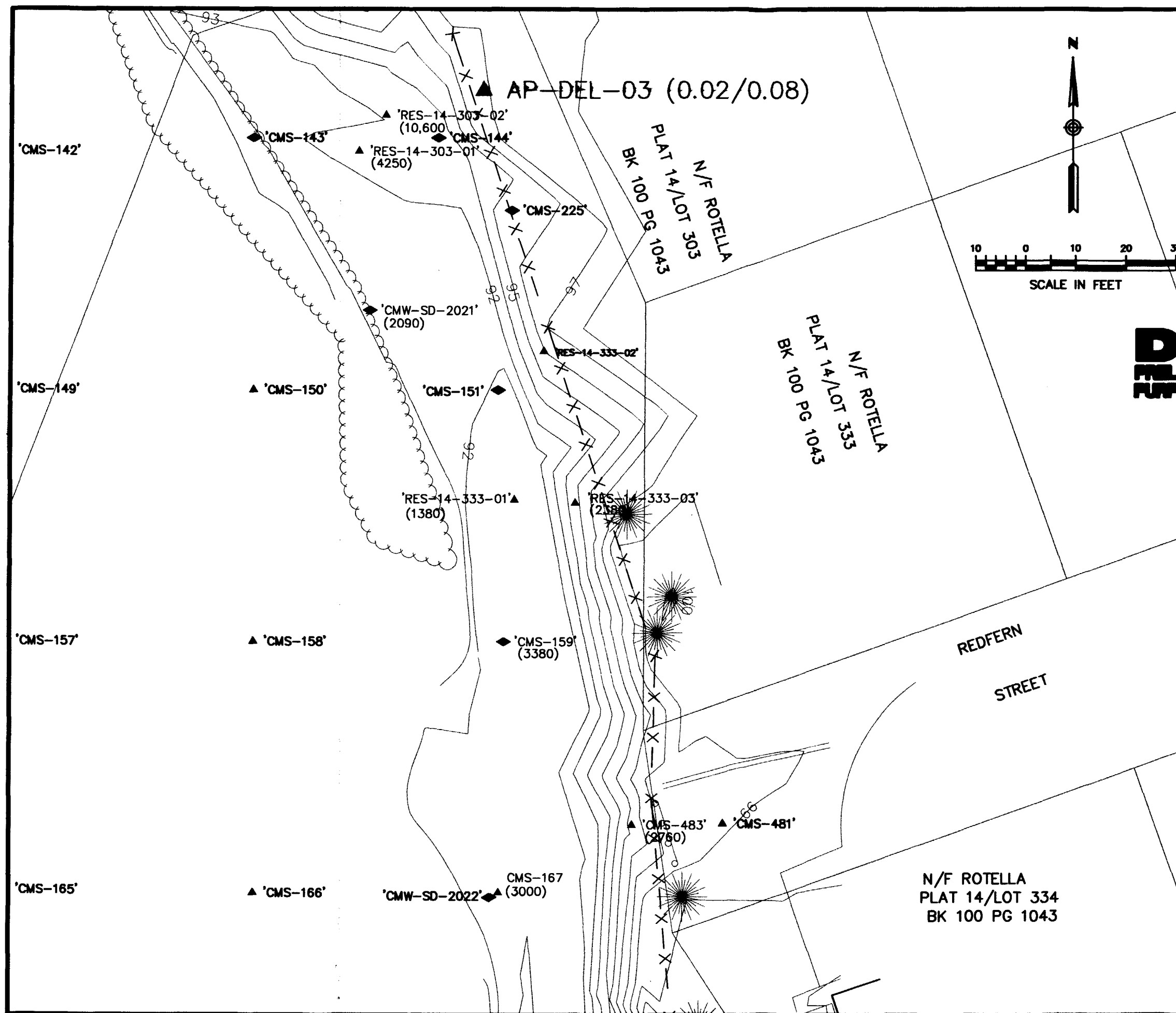
APRIL 2002 SAMPLE RESULTS

Comm.No.

15RP102.003

FIGURE 2





DRAFT
PRELIMINARY FOR REVIEW
PURPOSES ONLY

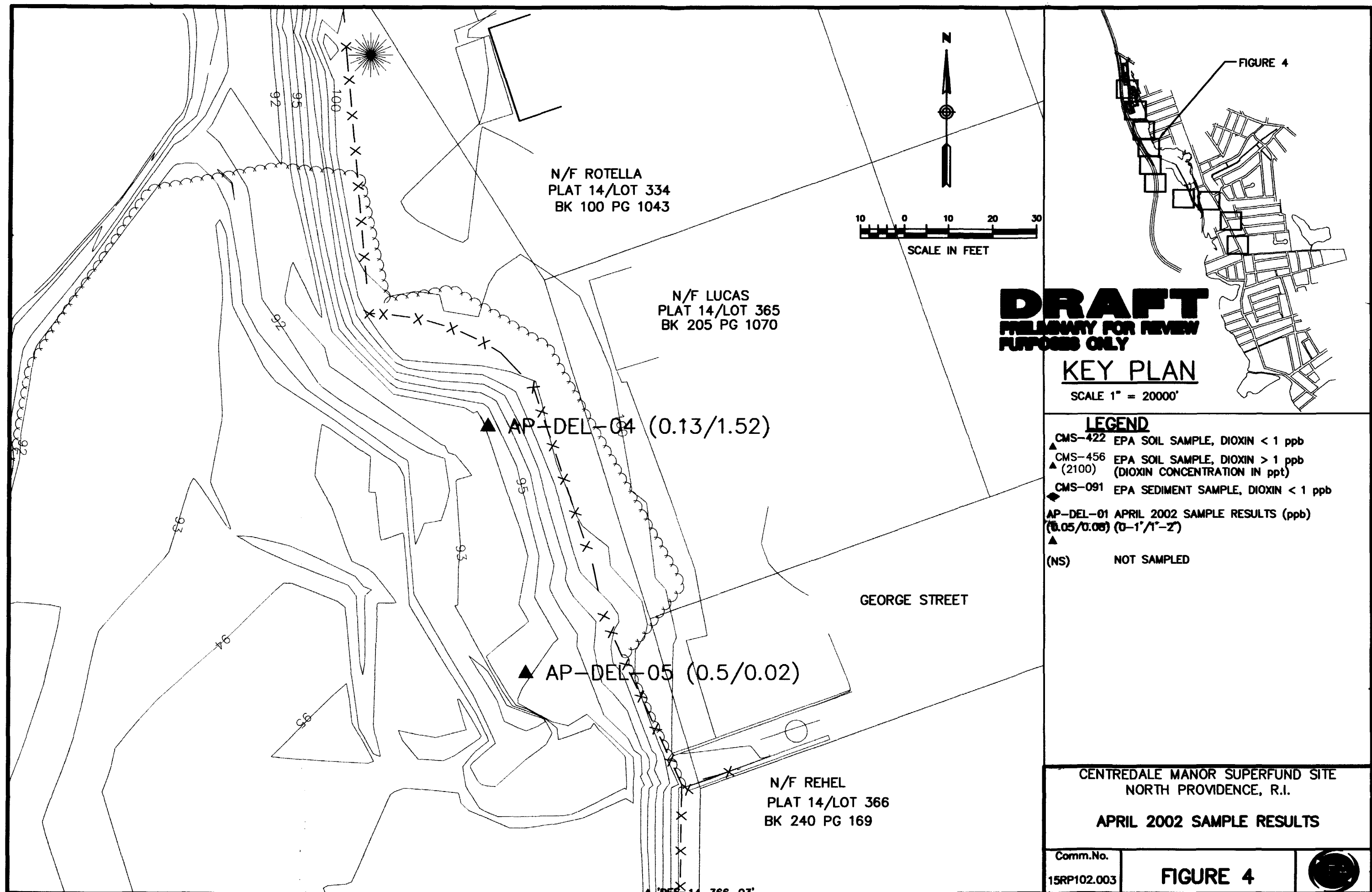
KEY PLAN
SCALE 1" = 20000'

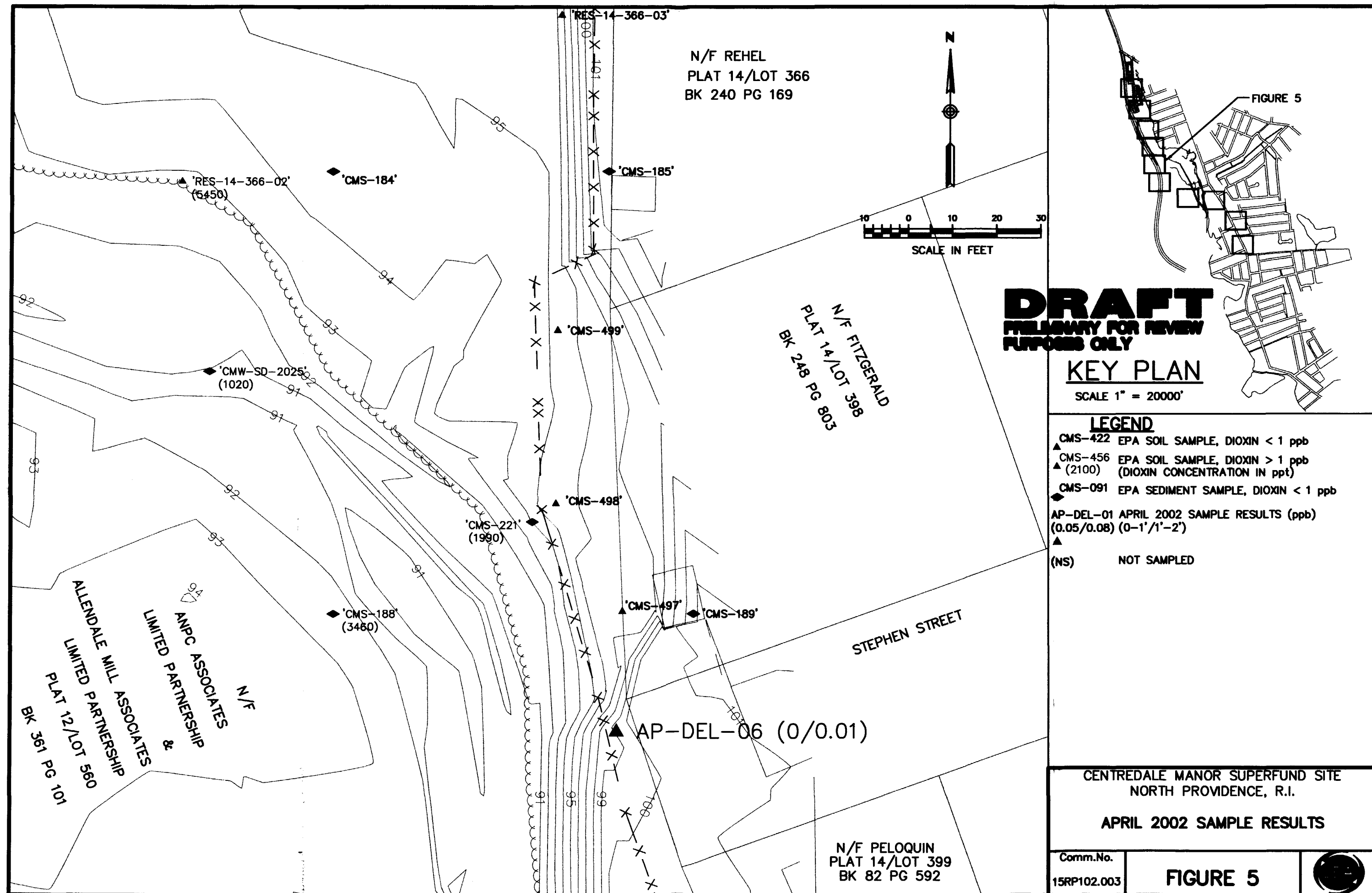
LEGEND

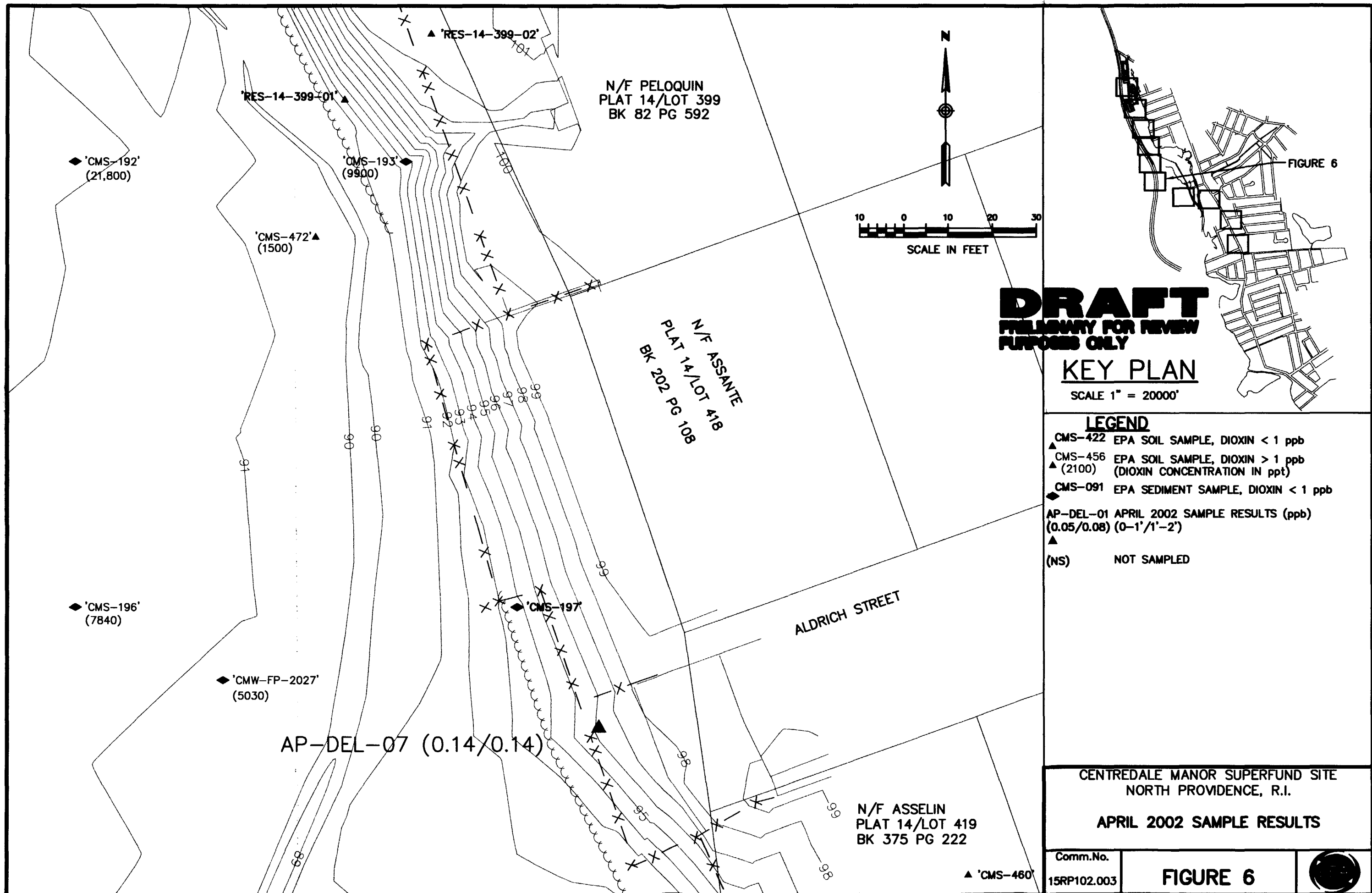
- ▲ CMS-422 EPA SOIL SAMPLE, DIOXIN < 1 ppb
- ▲ CMS-456 EPA SOIL SAMPLE, DIOXIN > 1 ppb (2100) (DIOXIN CONCENTRATION IN ppt)
- ◆ CMS-091 EPA SEDIMENT SAMPLE, DIOXIN < 1 ppb
- ▲ AP-DEL-01 APRIL 2002 SAMPLE RESULTS (ppb) (0.05/0.08) (0-1'/1'-2')
- ▲ (NS) NOT SAMPLED

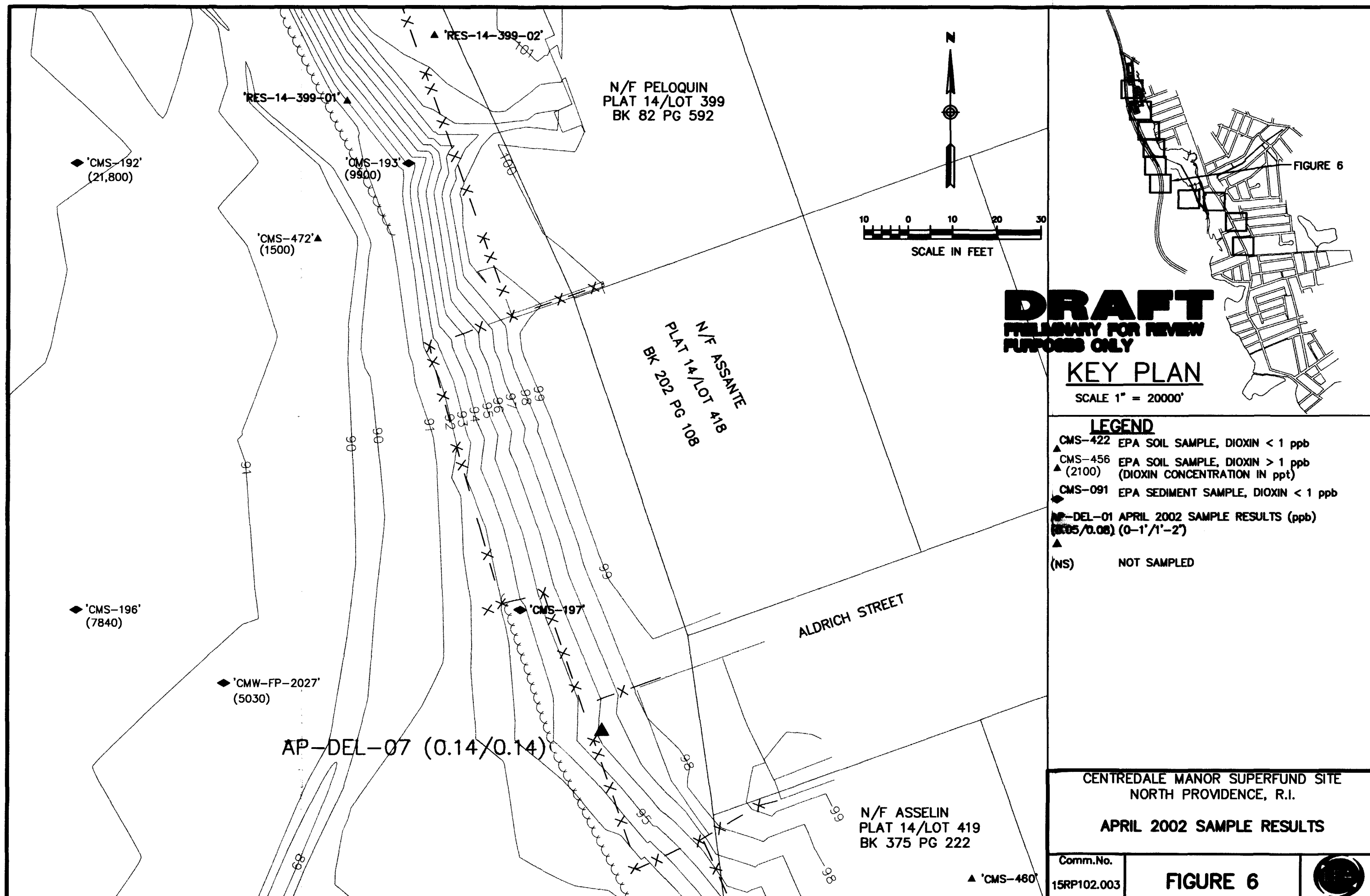
CENTREDALE MANOR SUPERFUND SITE
NORTH PROVIDENCE, R.I.

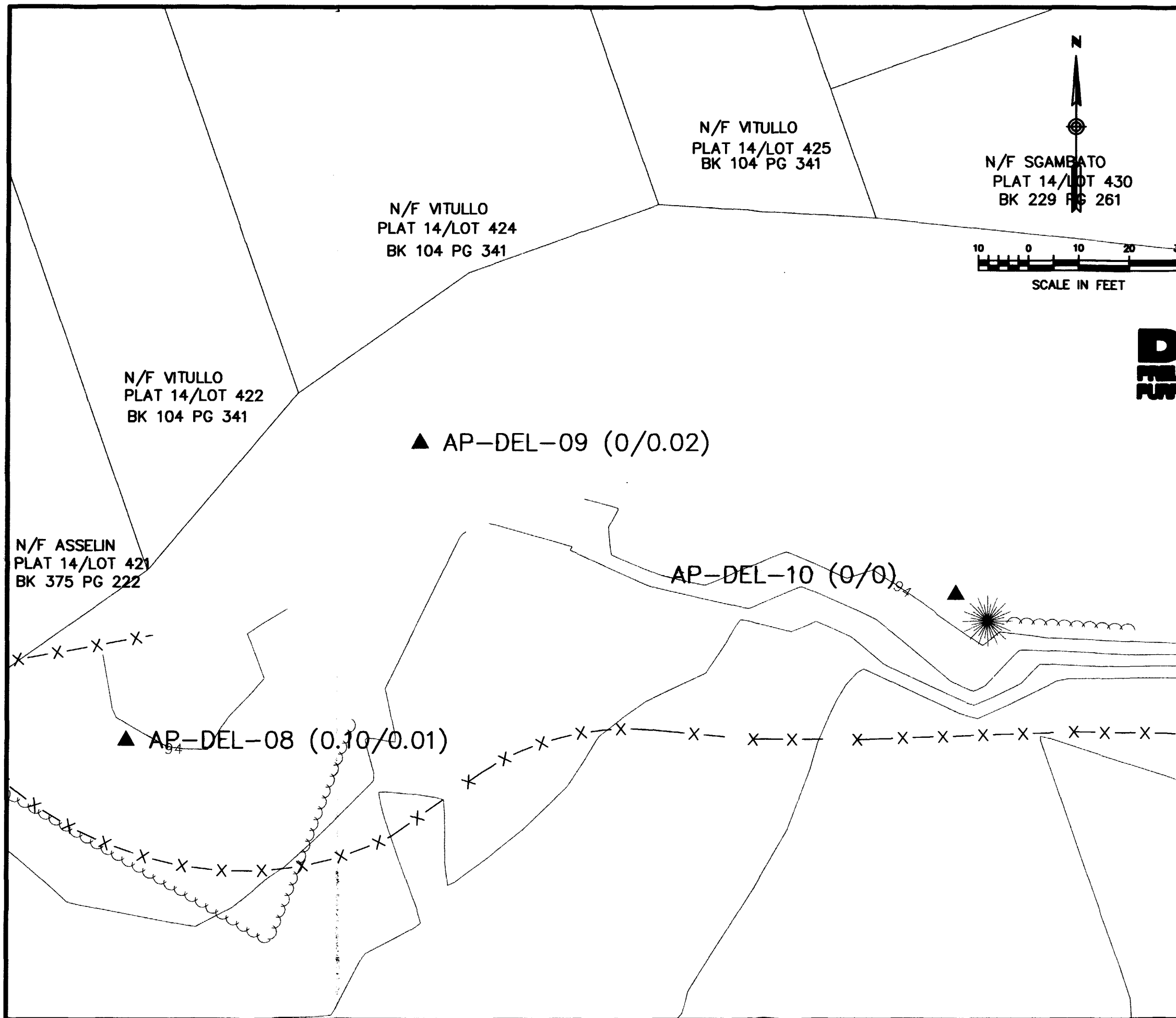
APRIL 2002 SAMPLE RESULTS











DRAFT
PRELIMINARY FOR REVIEW
PURPOSES ONLY

KEY PLAN

SCALE 1" = 20000'

LEGEND

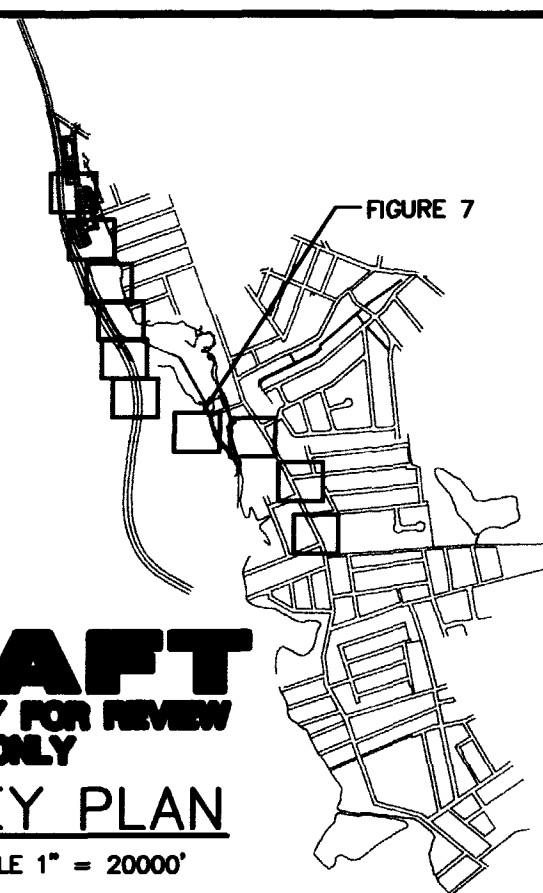
- ▲ CMS-422 EPA SOIL SAMPLE, DIOXIN < 1 ppb
- ▲ CMS-456 EPA SOIL SAMPLE, DIOXIN > 1 ppb (2100) (DIOXIN CONCENTRATION IN ppt)
- ◆ CMS-091 EPA SEDIMENT SAMPLE, DIOXIN < 1 ppb
- ▲ AP-DEL-01 APRIL 2002 SAMPLE RESULTS (ppb) (0.05/0.08) (0'-1'/1'-2')
- ▲ (NS) NOT SAMPLED

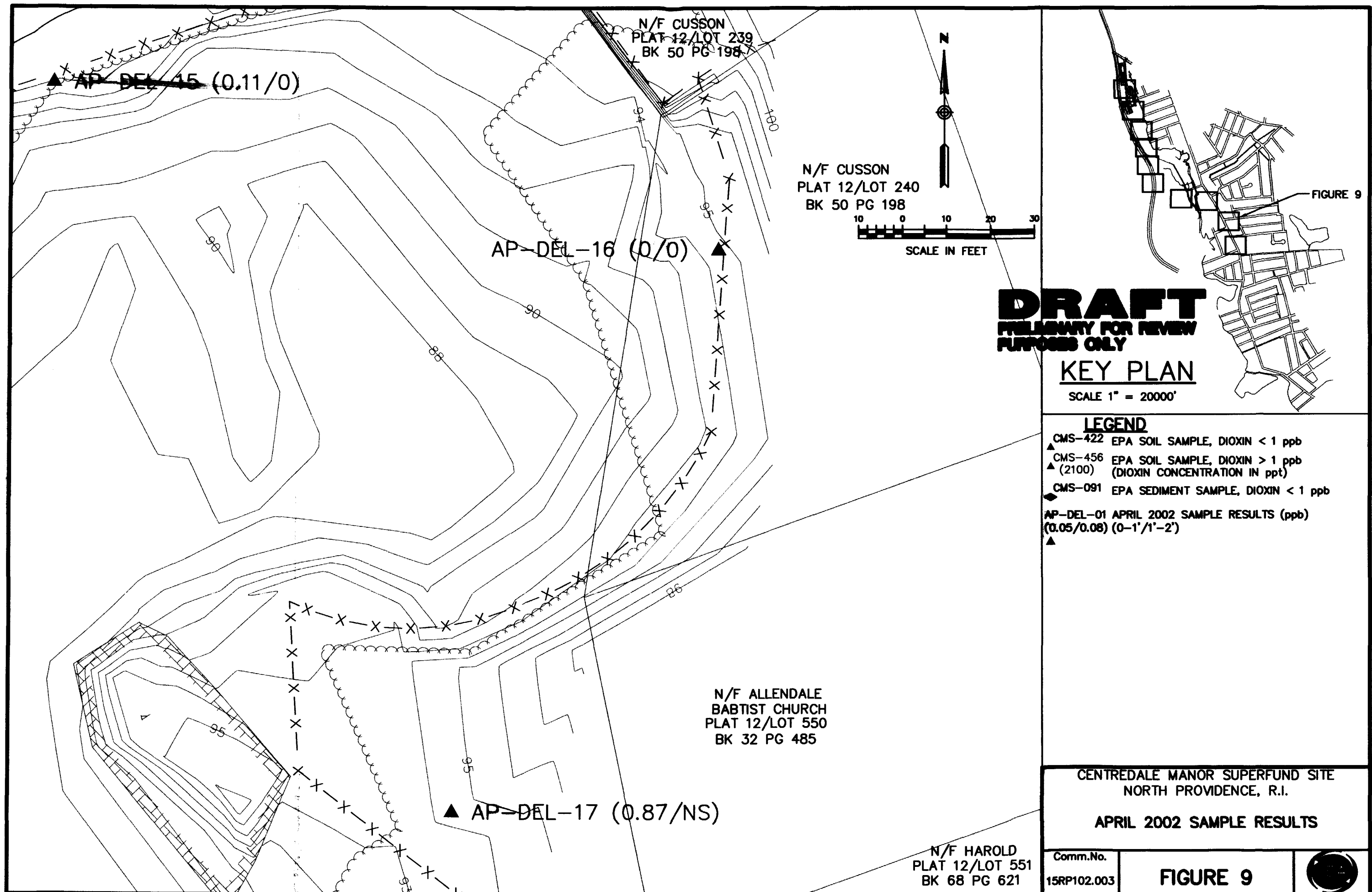
CENTREDALE MANOR SUPERFUND SITE
NORTH PROVIDENCE, R.I.

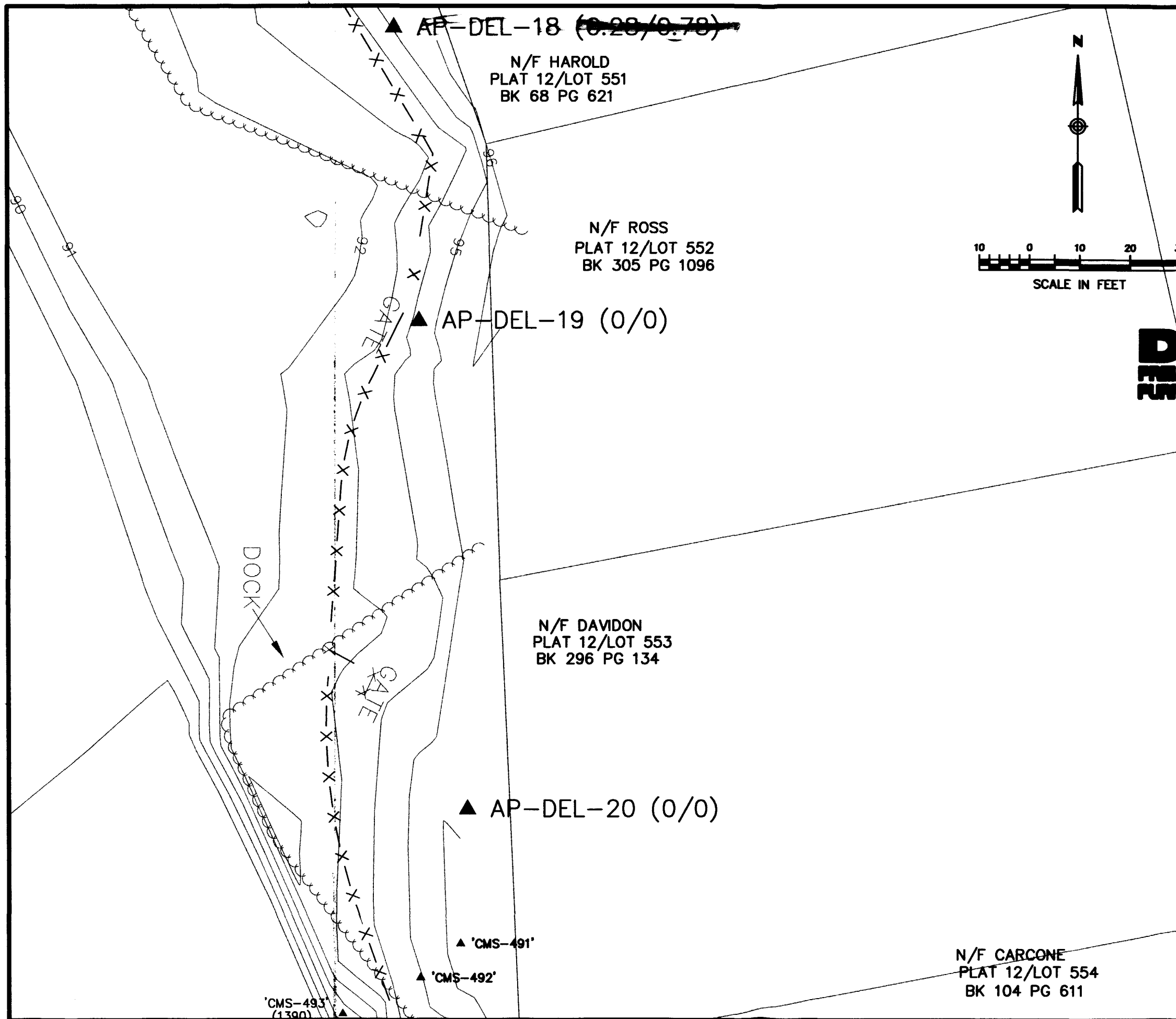
APRIL 2002 SAMPLE RESULTS

Comm.No.
15RP102.003

FIGURE 7







DRAFT
PRELIMINARY FOR REVIEW
PURPOSES ONLY

KEY PLAN

SCALE 1" = 20000'

LEGEND

- ▲ CMS-422 EPA SOIL SAMPLE, DIOXIN < 1 ppb
- ▲ CMS-456 EPA SOIL SAMPLE, DIOXIN > 1 ppb (2100) (DIOXIN CONCENTRATION IN ppt)
- ◆ CMS-091 EPA SEDIMENT SAMPLE, DIOXIN < 1 ppb
- ▲ AP-DEL-01 APRIL 2002 SAMPLE RESULTS (ppb) (0.05/0.08) (0-1'/1'-2')

CENTREDALE MANOR SUPERFUND SITE
NORTH PROVIDENCE, R.I.

APRIL 2002 SAMPLE RESULTS

Comm.No.
15RP102.003

FIGURE 10

