



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND
1 CONGRESS STREET, BOSTON, MA 02114

Superfund Records Center

SITE: Centredale

October 8, 2002

BREAK: 29, 13.1

OTHER: 35802

Dear Resident:

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

Loureiro Engineering Associates (LEA) from Plainville, CT, collected about 50 samples from thirteen locations along Allendale and Lymansville Pond to supplement the existing information on dioxin distribution in the floodplain soils prior to beginning excavation activities.

43 of the 50 soil samples, taken from depths of 0 to 2 feet below ground surface were below the recommended national cleanup criteria of 1 ppb (part per billion) of dioxin. Seven samples in three areas were found to contain dioxin at elevated levels above 1 ppb. These samples, above 1 ppb but less than 2 ppb, were found in an area off George Street and an area north of Oak Street. Additional samples were collected in these two areas at the beginning of September and EPA is waiting for the laboratory results to complete delineation of soils requiring excavation there. In addition, the highest dioxin levels were confirmed in a fenced-in area of the former tailrace behind the Centredale Manor apartment building. The tailrace, a portion of which was originally scheduled to be excavated this fall, will require further investigation before cleanup there can be undertaken.

The July 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. The attached map also includes previous sampling locations in the area of your property, the results of which have already been provided to you. As mentioned in our July 2002 letter, a review was also conducted of the accuracy of sample results obtained with field test kits in the Fall of 2001 and in July 2002. The needed level of reliability and consistency of the field test kits with the laboratory testing results could not be demonstrated at this time. As a result, LEA will not be using the field test kits to delineate excavation areas.

LEA will begin excavation activities in late October. Soil and sediment will be excavated from each area using hand tools and light construction equipment. Once the excavation is complete, the area will be backfilled with clean soil and re-vegetated. We expect it to take approximately one day to complete the excavation in each area. In preparation for the excavation work, the water in Allendale Pond will be lowered gradually, beginning in mid-October. Depending on the schedule for work at a particular property, re-vegetation may have to be completed in the Spring 2003. LEA will be contacting you prior to the start of the work and EPA staff are also available to meet with you one-on-one to discuss this information and the upcoming excavation activities. 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.

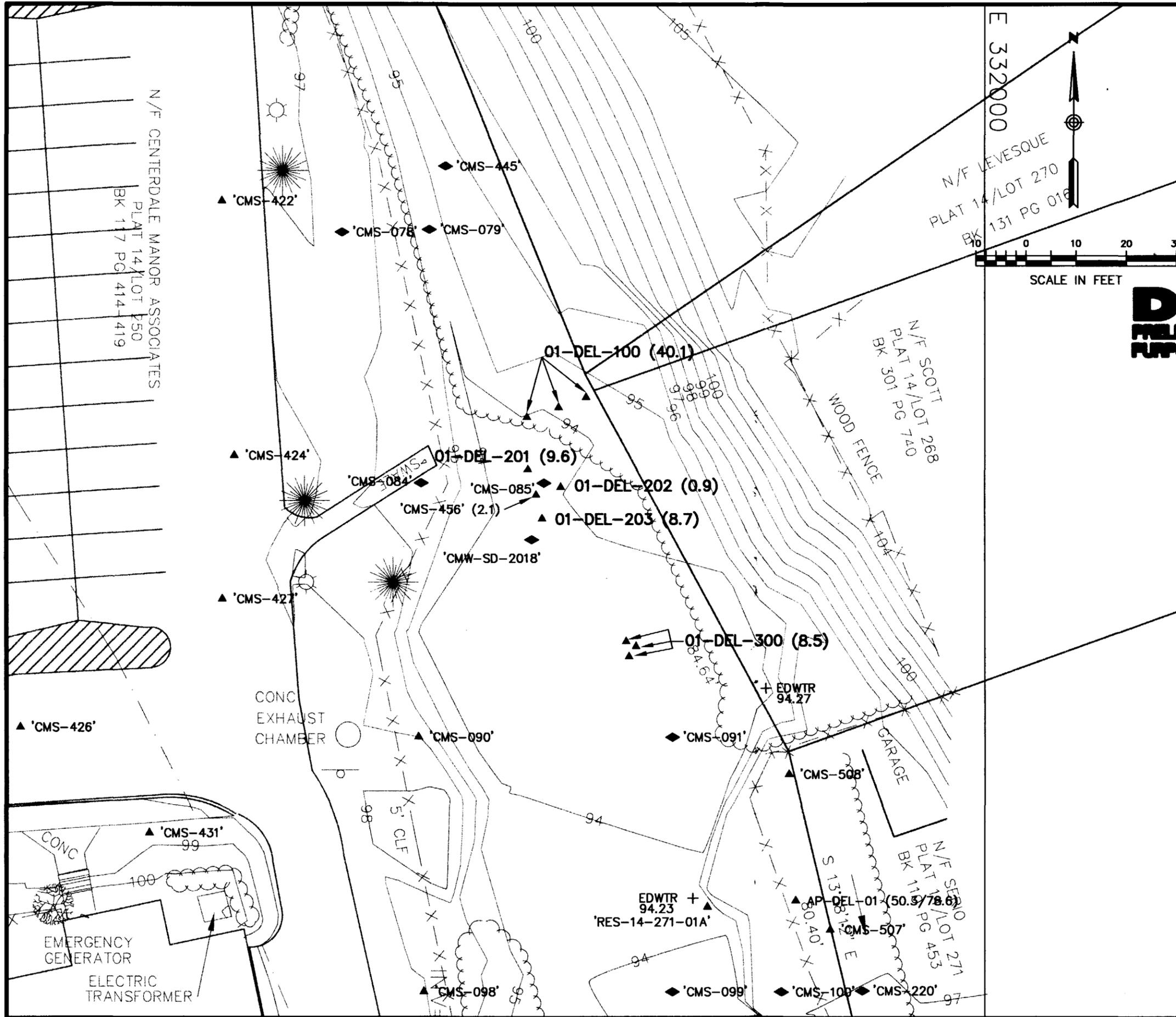
We recommend that you continue to avoid contact with river sediments and contaminated soils and follow the "Do's and Don'ts for the Woonasquatucket River."

Sincerely,

Anna Krasko

On-Scene Coordinator

Office of Site Remediation and Restoration



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PRELIMINARY FOR REVIEW
PURPOSES ONLY

KEY PLAN
 SCALE 1" = 2000'

LEGEND

- ▲ CMS-422 EPA SOIL SAMPLE, DIOXIN < 1 ppb
- ▲ CMS-456 EPA SOIL SAMPLE, DIOXIN > 1 ppb (DIOXIN CONCENTRATION IN ppb)
- ▲ (2.1)
- ◆ CMS-091 EPA SEDIMENT SAMPLE, DIOXIN < 1 ppb
- ◆ CMS-123 EPA SEDIMENT SAMPLE, DIOXIN > 1 ppb (DIOXIN CONCENTRATION IN ppb)
- ◆ (2.1)
- ▲ AP-DEL-01 APRIL 2002 SAMPLE LOCATION RESULTS IN ppt (0-1.0'/1.0'-2.0')
- ▲ (50.9/78.9)
- ▲ 02-DEL-201 JULY 2002 SAMPLE LOCATION RESULTS IN ppb
- ▲ (54)
- + 96.70 SPOT ELEV. & OR WATER ELEV.
- ◆ PIEZOMETER LOCATION
- ppb PARTS PER BILLION
- ppt PARTS PER TRILLION

CENTREDALE MANOR SUPERFUND SITE
 NORTH PROVIDENCE, R.I.

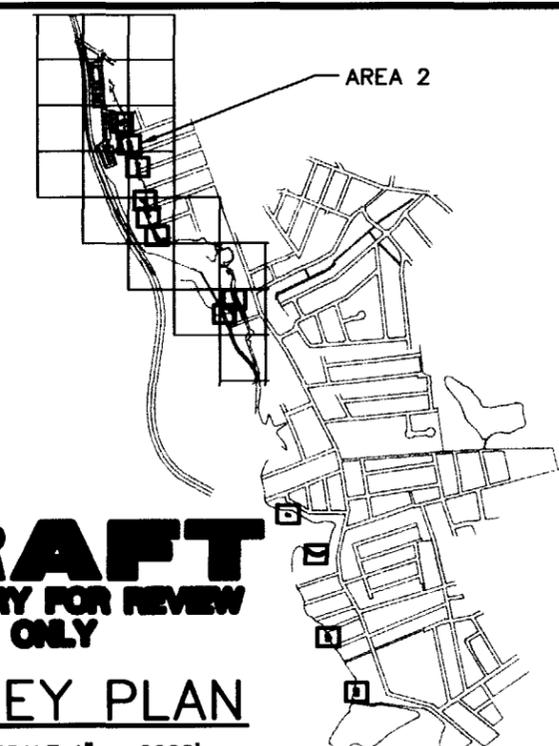
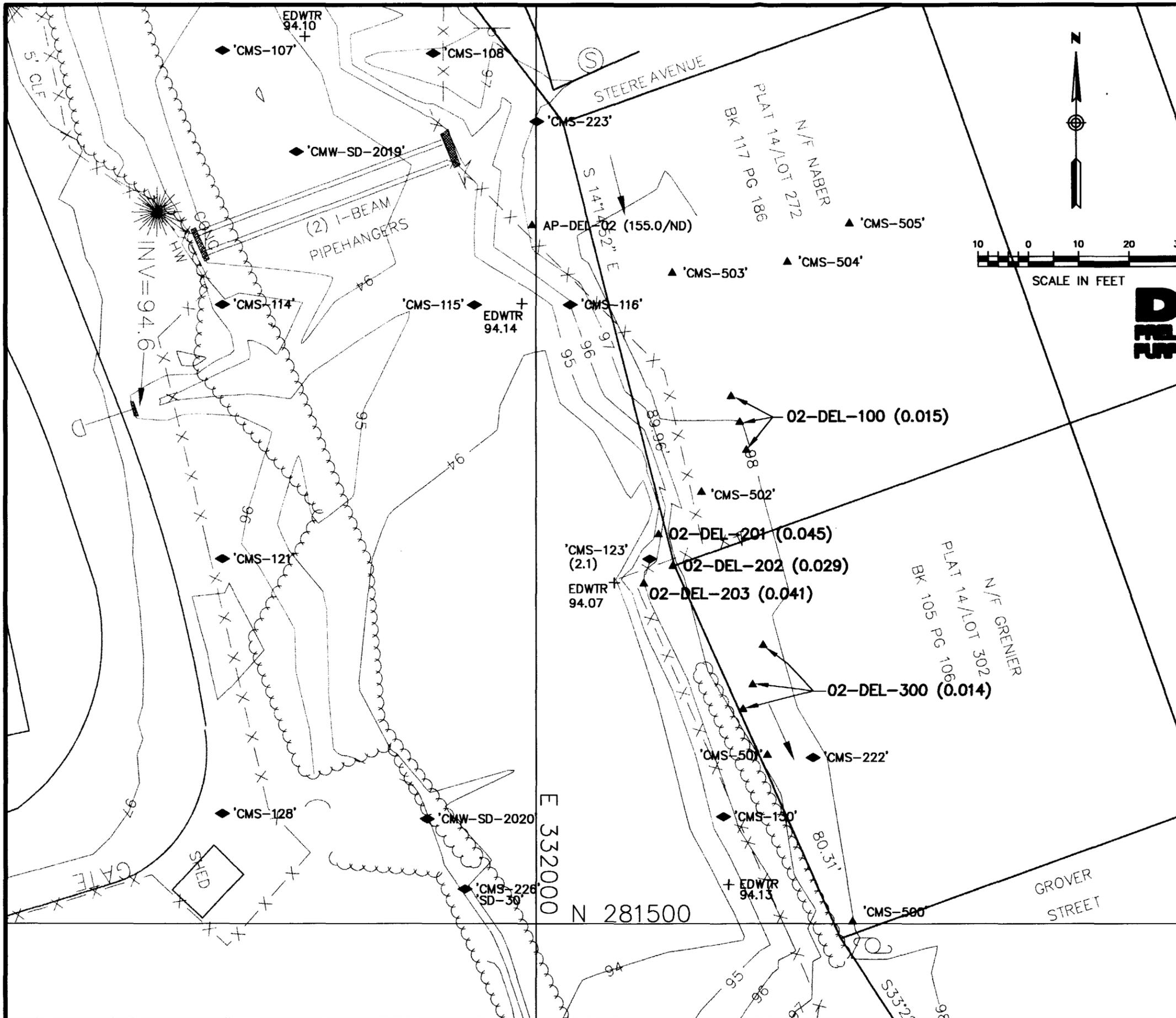
JULY 2002 SAMPLE RESULTS

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FIGURE 1



Original includes color coding.



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KEY PLAN

SCALE 1" = 2000'

LEGEND

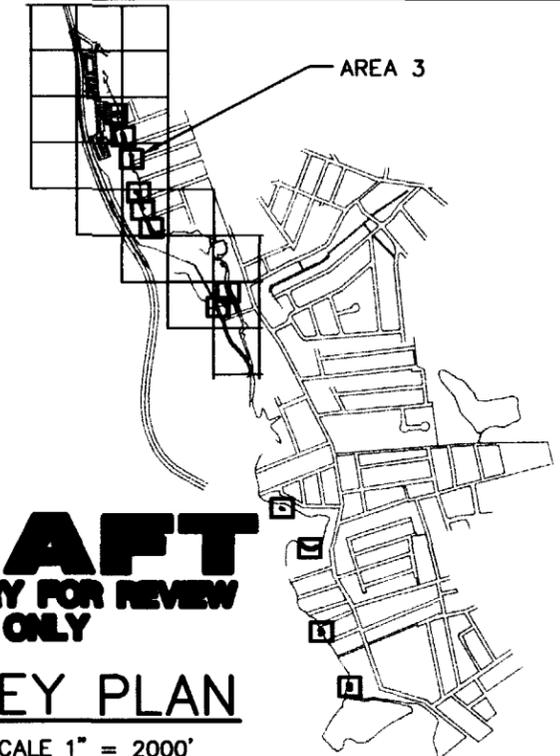
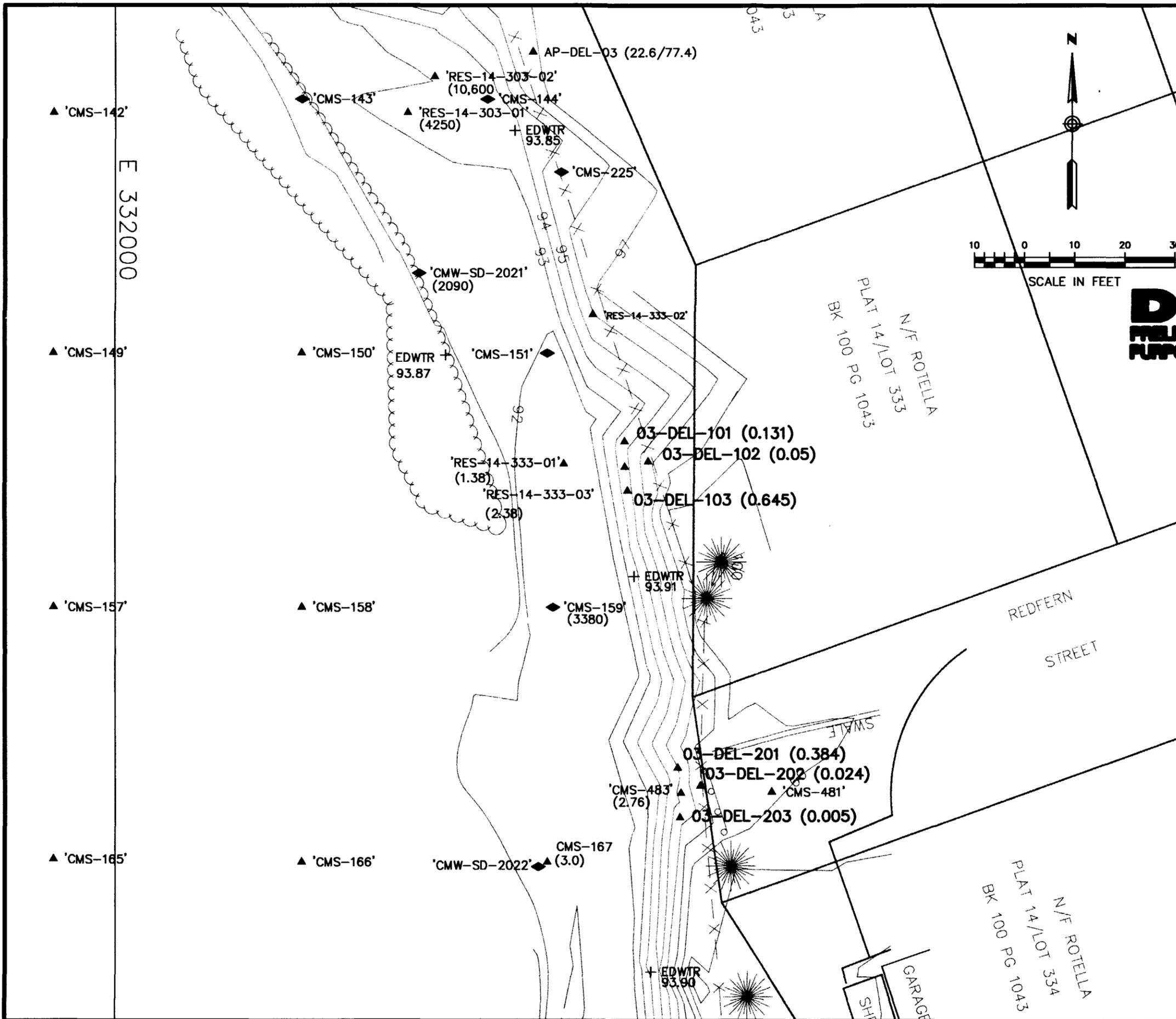
- ▲ CMS-422 EPA SOIL SAMPLE, DIOXIN < 1 ppb
- ▲ CMS-456 EPA SOIL SAMPLE, DIOXIN > 1 ppb (DIOXIN CONCENTRATION IN ppb) (2.1)
- ◆ CMS-091 EPA SEDIMENT SAMPLE, DIOXIN < 1 ppb
- ◆ CMS-123 EPA SEDIMENT SAMPLE, DIOXIN > 1 ppb (DIOXIN CONCENTRATION IN ppb) (2.1)
- ▲ AP-DEL-01 APRIL 2002 SAMPLE LOCATION RESULTS IN ppt (0-1.0'/1.0'-2.0') (50.9/78.9)
- ▲ 02-DEL-201 JULY 2002 SAMPLE LOCATION RESULTS IN ppb (54)
- + 96.70 SPOT ELEV. & OR WATER ELEV.
- ◆ PIEZOMETER LOCATION
- ppb PARTS PER BILLION
- ppt PARTS PER TRILLION

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JULY 2002 SAMPLE RESULTS

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KEY PLAN
 SCALE 1" = 2000'

LEGEND

- ▲ CMS-422 EPA SOIL SAMPLE, DIOXIN < 1 ppb
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- ▲ AP-DEL-01 APRIL 2002 SAMPLE LOCATION RESULTS IN ppt (0-1.0'/1.0'-2.0')
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- + 96.70 SPOT ELEV. & OR WATER ELEV.
- ◆ PIEZOMETER LOCATION
- ppb PARTS PER BILLION
- ppt PARTS PER TRILLION

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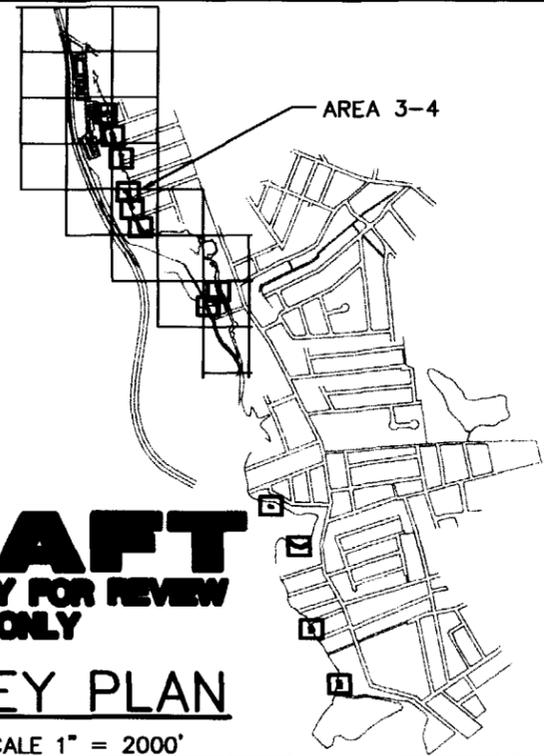
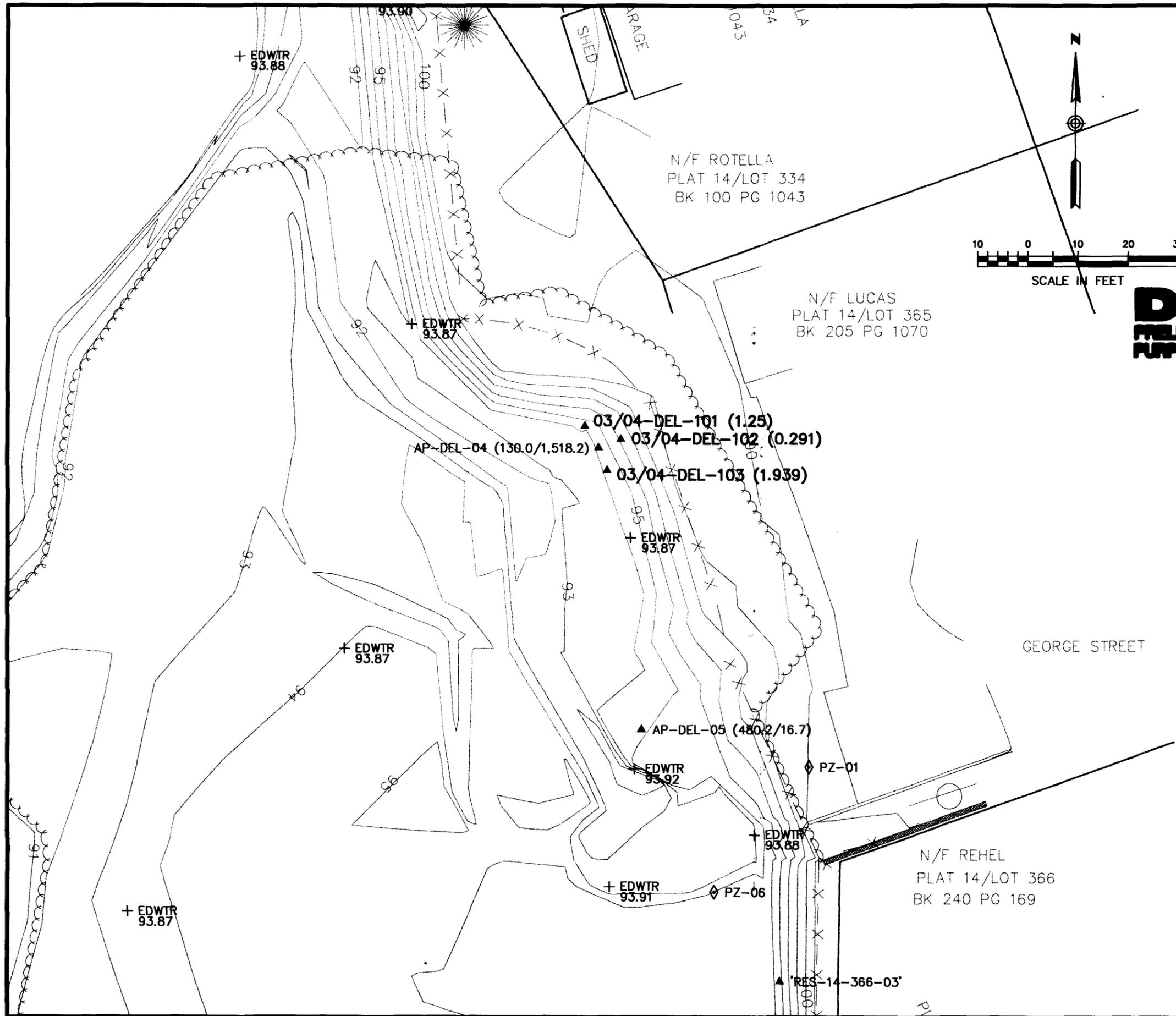
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FIGURE 3



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KEY PLAN

SCALE 1" = 2000'

LEGEND

- ▲ CMS-422 EPA SOIL SAMPLE, DIOXIN < 1 ppb
- ▲ CMS-456 EPA SOIL SAMPLE, DIOXIN > 1 ppb (DIOXIN CONCENTRATION IN ppb)
- ▲ (2.1)
- ◆ CMS-091 EPA SEDIMENT SAMPLE, DIOXIN < 1 ppb
- ◆ CMS-123 EPA SEDIMENT SAMPLE, DIOXIN > 1 ppb (DIOXIN CONCENTRATION IN ppb)
- ◆ (2.1)
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- ▲ (50.9/78.9)
- ▲ 02-DEL-201 JULY 2002 SAMPLE LOCATION RESULTS IN ppb
- ▲ (54)
- + 96.70 SPOT ELEV. & OR WATER ELEV.
- ◇ PIEZOMETER LOCATION
- ppb PARTS PER BILLION
- ppt PARTS PER TRILLION

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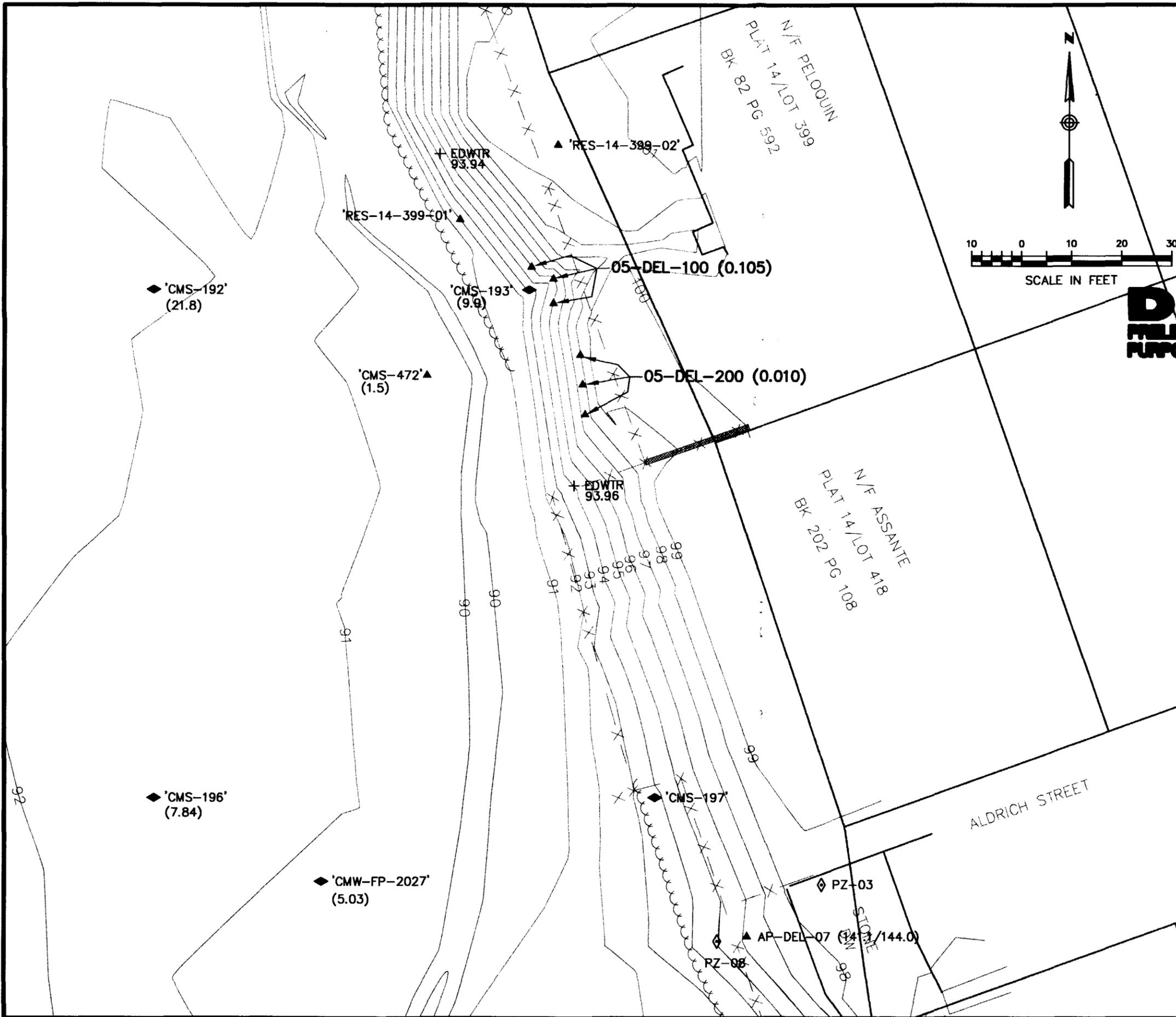
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FIGURE 3/4



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KEY PLAN

SCALE 1" = 2000'

LEGEND

- ▲ CMS-422 EPA SOIL SAMPLE, DIOXIN < 1 ppb
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- ◆ CMS-091 EPA SEDIMENT SAMPLE, DIOXIN < 1 ppb
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- ▲ 02-DEL-201 (54) JULY 2002 SAMPLE LOCATION RESULTS IN ppb
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- ◆ PIEZOMETER LOCATION
- ppb PARTS PER BILLION
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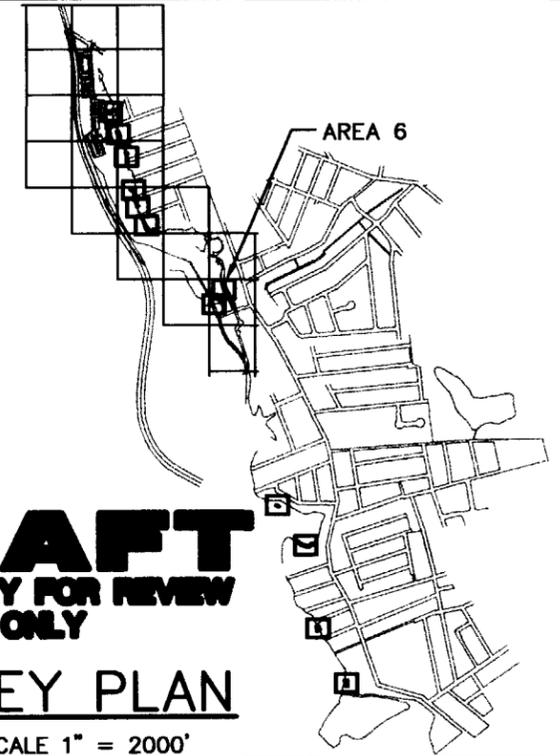
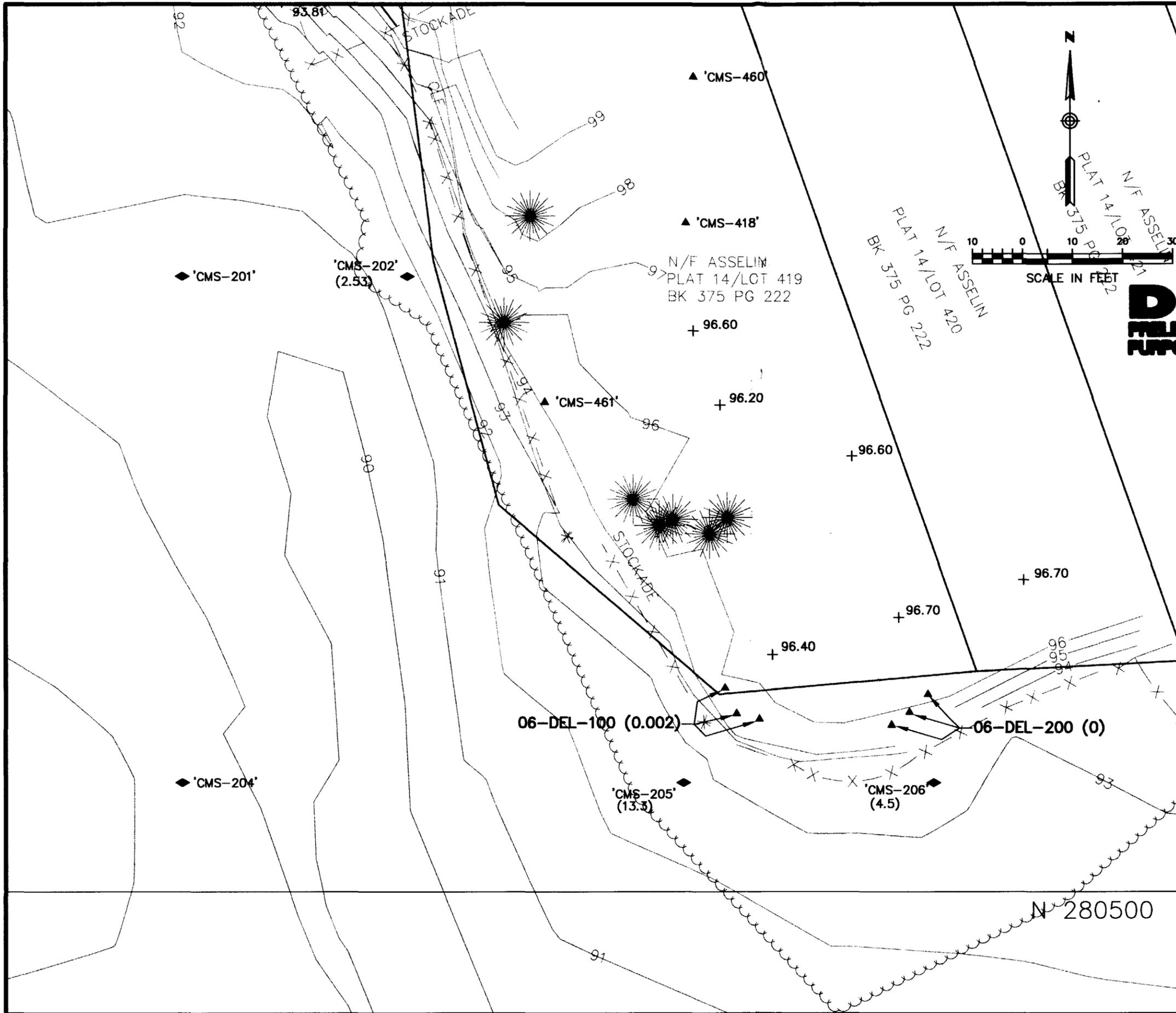
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FIGURE 5



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KEY PLAN

SCALE 1" = 2000'

LEGEND

- ▲ CMS-422 EPA SOIL SAMPLE, DIOXIN < 1 ppb
- ▲ CMS-456 (2.1) EPA SOIL SAMPLE, DIOXIN > 1 ppb (DIOXIN CONCENTRATION IN ppb)
- ◆ CMS-091 EPA SEDIMENT SAMPLE, DIOXIN < 1 ppb
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- ▲ 02-DEL-201 (54) JULY 2002 SAMPLE LOCATION RESULTS IN ppb
- + 96.70 SPOT ELEV. & OR WATER ELEV.
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- ppb PARTS PER BILLION
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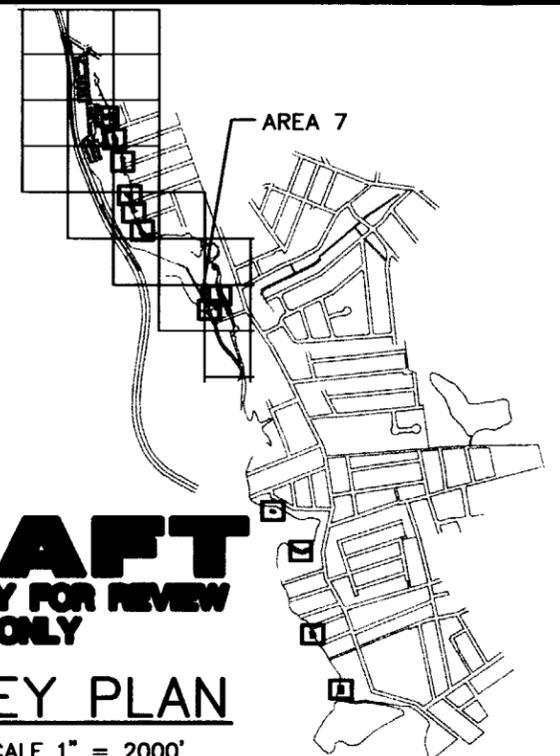
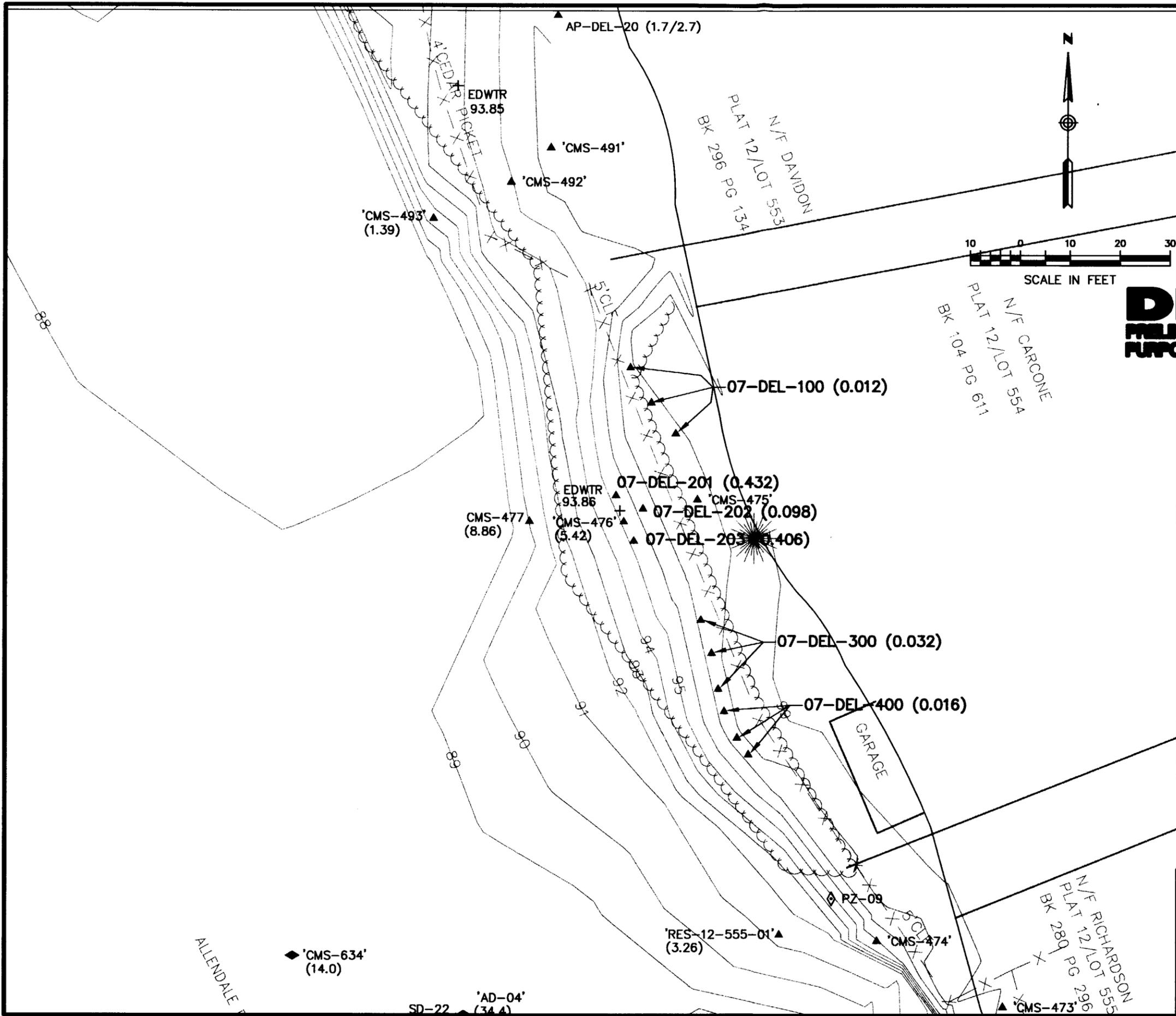
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FIGURE 6



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KEY PLAN

SCALE 1" = 2000'

LEGEND

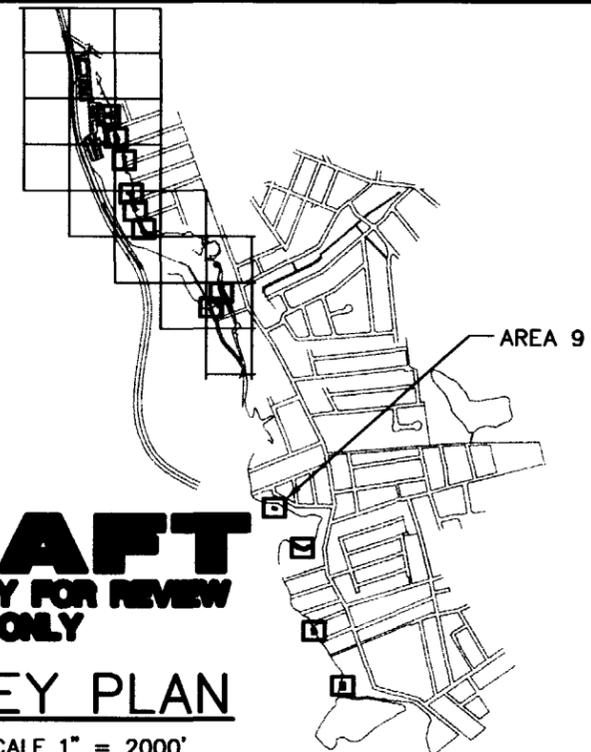
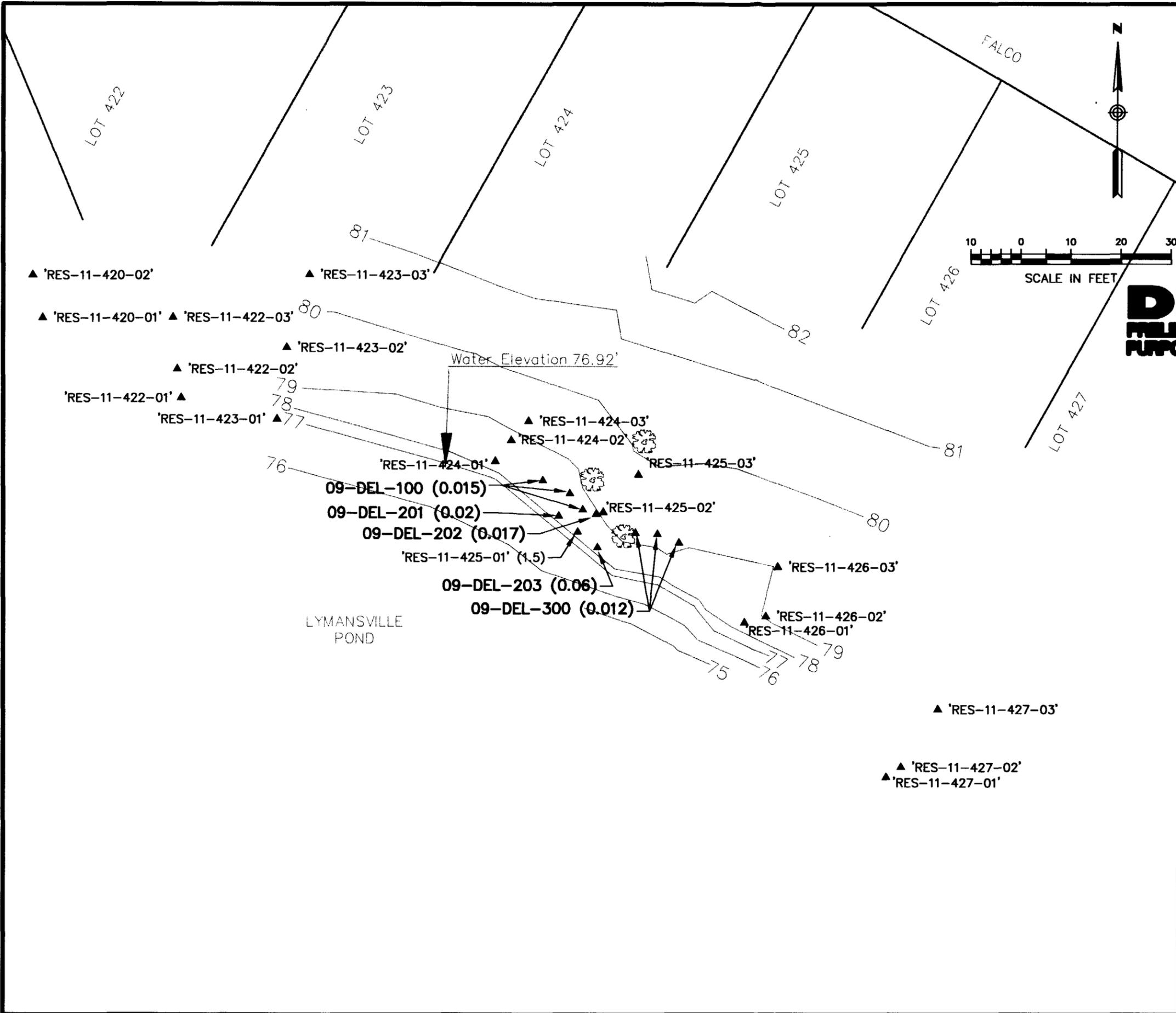
- ▲ CMS-422 EPA SOIL SAMPLE, DIOXIN < 1 ppb
- ▲ CMS-456 EPA SOIL SAMPLE, DIOXIN > 1 ppb (DIOXIN CONCENTRATION IN ppb) (2.1)
- ◆ CMS-091 EPA SEDIMENT SAMPLE, DIOXIN < 1 ppb
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- ppb PARTS PER BILLION
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JULY 2002 SAMPLE RESULTS

Comm.No. 15RP102.006	FIGURE 7	
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KEY PLAN

SCALE 1" = 2000'

LEGEND

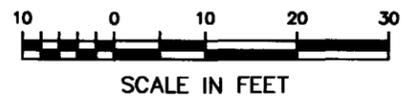
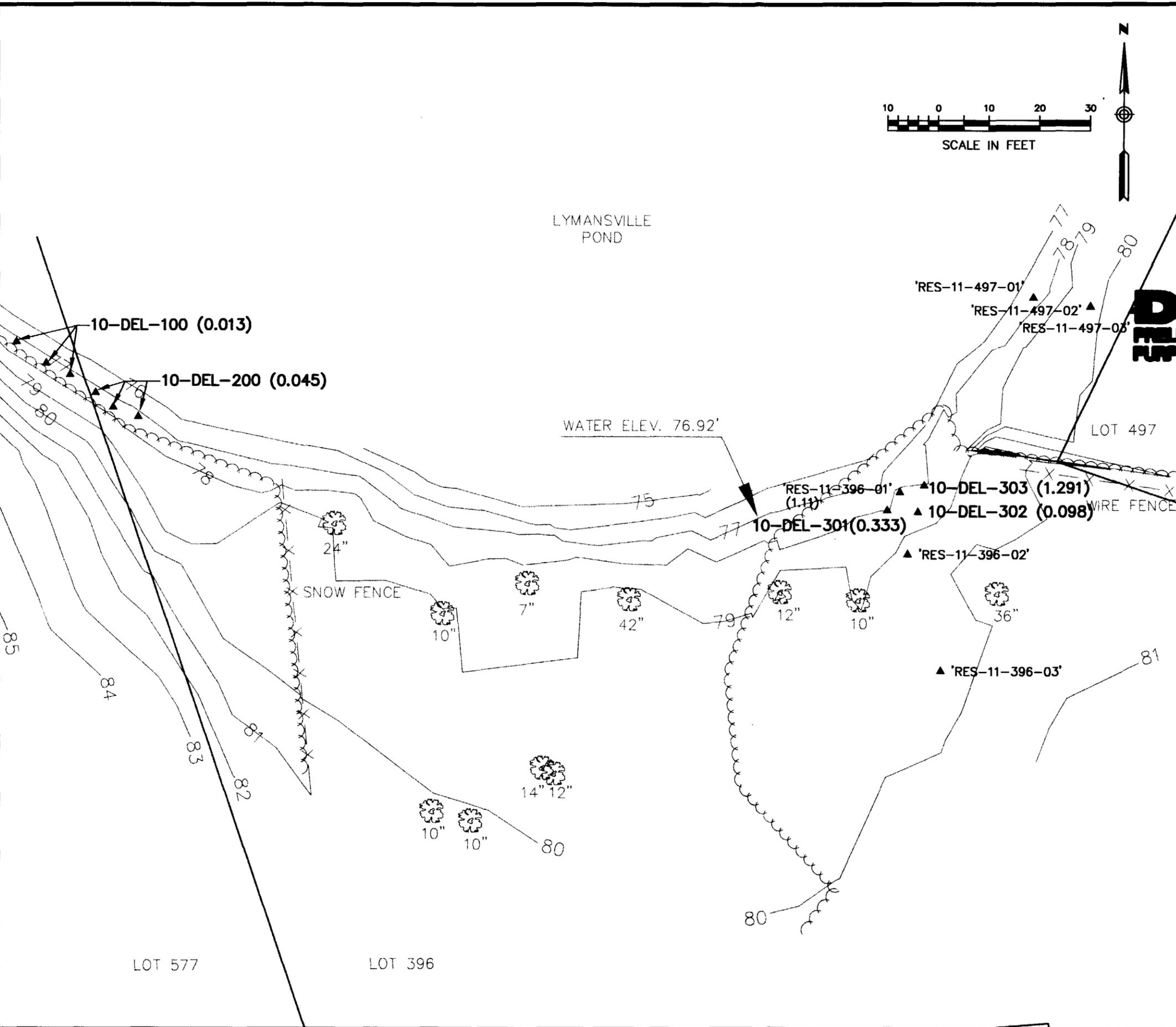
- ▲ CMS-422 EPA SOIL SAMPLE, DIOXIN < 1 ppb
- ▲ CMS-456 EPA SOIL SAMPLE, DIOXIN > 1 ppb (DIOXIN CONCENTRATION IN ppb)
- ▲ (2.1)
- ◆ CMS-091 EPA SEDIMENT SAMPLE, DIOXIN < 1 ppb
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- ◆ (2.1)
- ▲ AP-DEL-01 APRIL 2002 SAMPLE LOCATION RESULTS IN ppt (0-1.0'/1.0'-2.0')
- ▲ (50.9/78.9)
- ▲ 02-DEL-201 JULY 2002 SAMPLE LOCATION RESULTS IN ppb
- ▲ (54)
- + 96.70 SPOT ELEV. & OR WATER ELEV.
- ◆ PIEZOMETER LOCATION
- ppb PARTS PER BILLION
- ppt PARTS PER TRILLION

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JULY 2002 SAMPLE RESULTS

Comm.No. 15RP102.006	FIGURE 9	
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KEY PLAN

SCALE 1" = 2000'

LEGEND

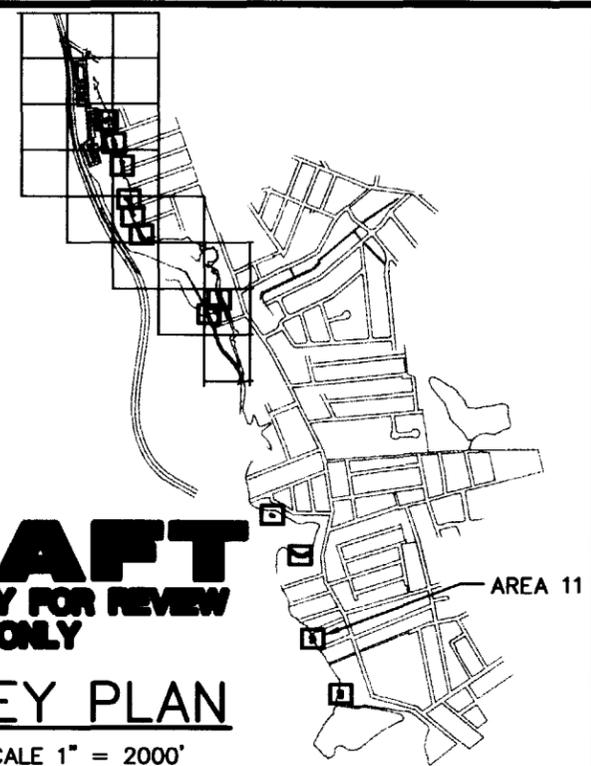
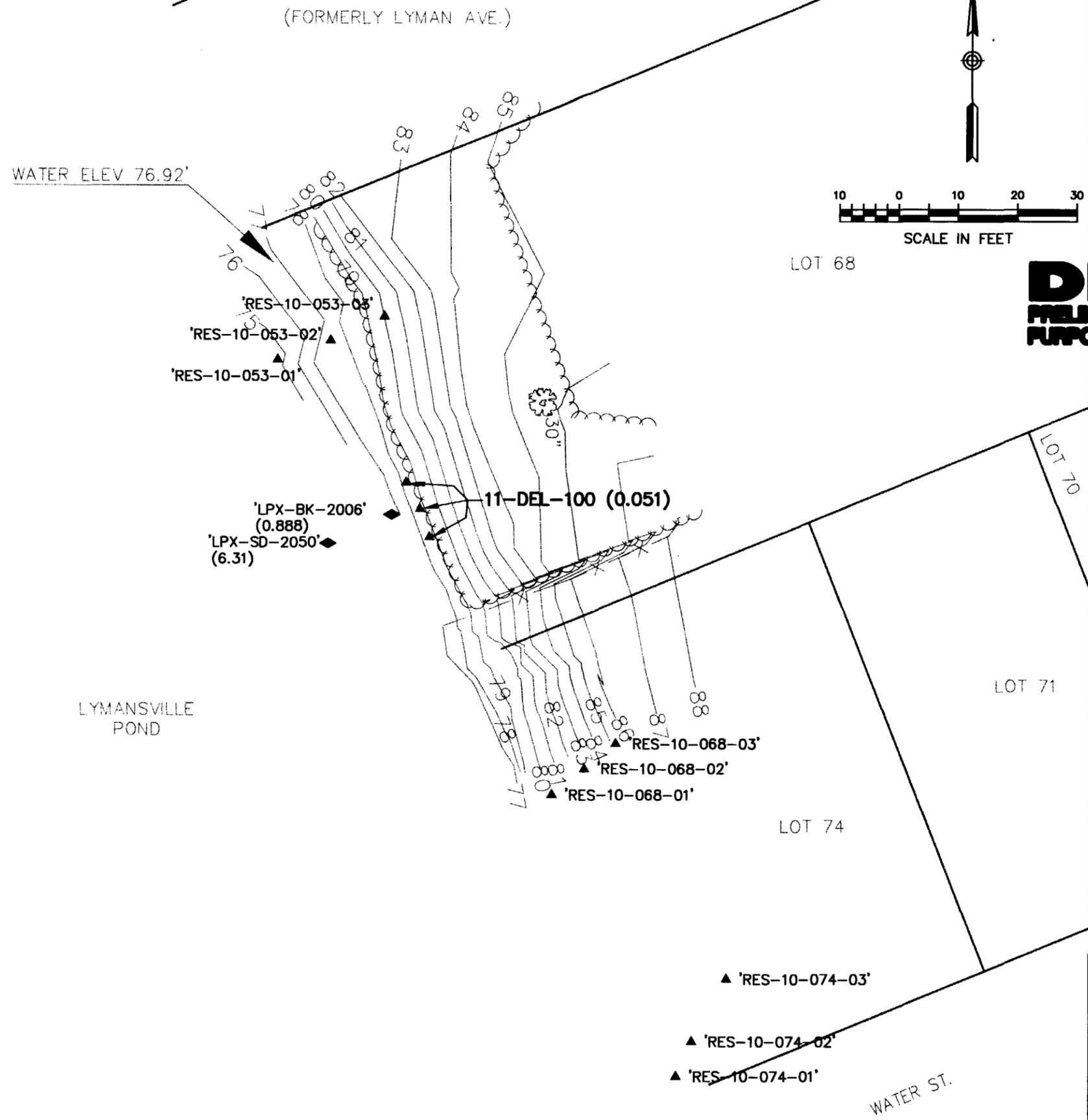
- ▲ CMS-422 EPA SOIL SAMPLE, DIOXIN < 1 ppb
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- ◆ CMS-091 EPA SEDIMENT SAMPLE, DIOXIN < 1 ppb
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JULY 2002 SAMPLE RESULTS

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KEY PLAN

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LEGEND

- ▲ CMS-422 EPA SOIL SAMPLE, DIOXIN < 1 ppb
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- ▲ (2.1)
- ◆ CMS-091 EPA SEDIMENT SAMPLE, DIOXIN < 1 ppb
- ◆ CMS-123 EPA SEDIMENT SAMPLE, DIOXIN > 1 ppb (DIOXIN CONCENTRATION IN ppb)
- ◆ (2.1)
- ▲ AP-DEL-01 APRIL 2002 SAMPLE LOCATION RESULTS IN ppt (0-1.0'/1.0'-2.0')
- ▲ (50.9/78.9)
- ▲ 02-DEL-201 JULY 2002 SAMPLE LOCATION RESULTS IN ppb
- ▲ (54)
- + 96.70 SPOT ELEV. & OR WATER ELEV.
- ◆ PIEZOMETER LOCATION
- ppb PARTS PER BILLION
- ppt PARTS PER TRILLION

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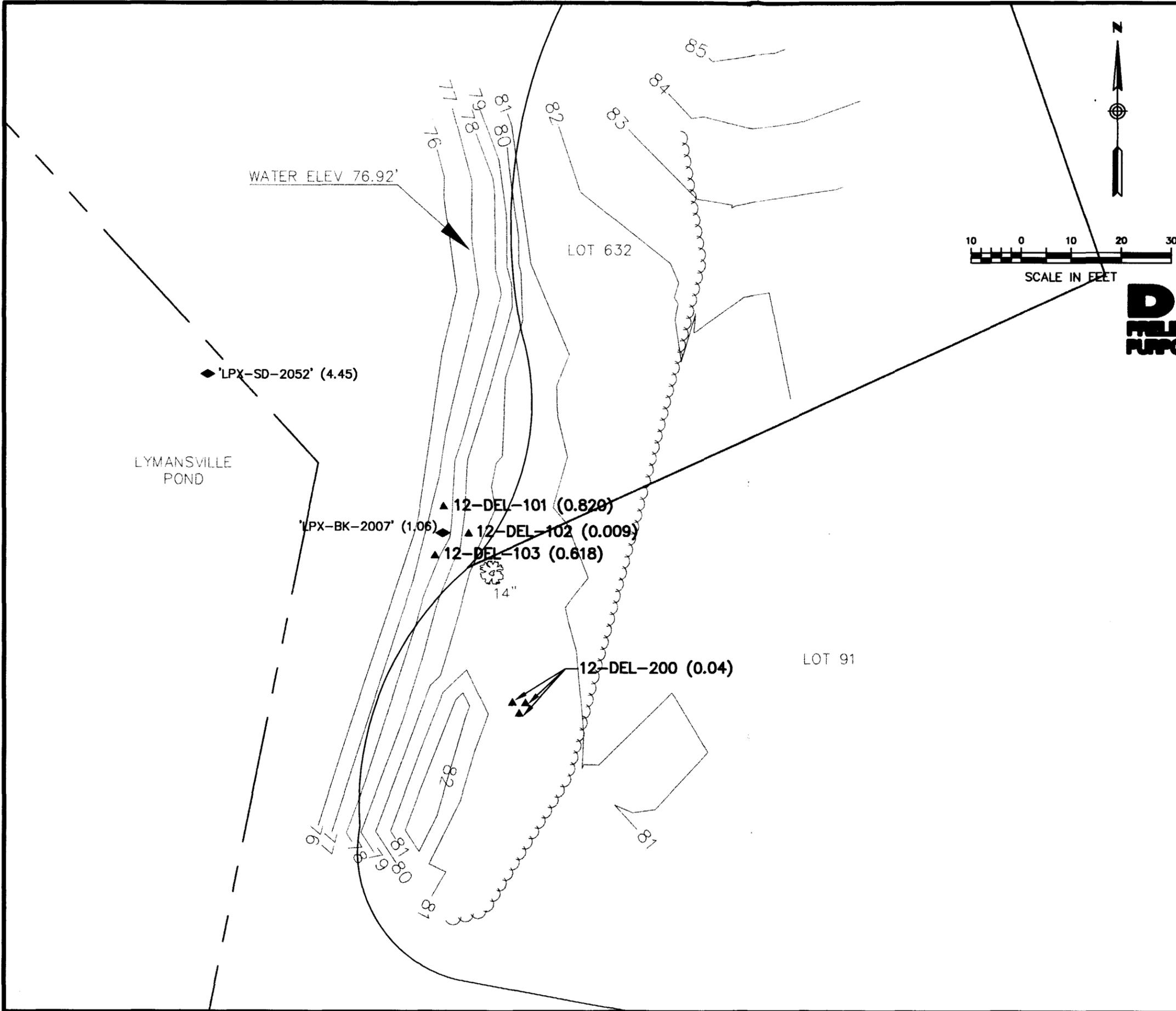
JULY 2002 SAMPLE RESULTS

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FIGURE 11



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SCALE 1" = 2000'

LEGEND

- ▲ CMS-422 EPA SOIL SAMPLE, DIOXIN < 1 ppb
- ▲ (2.1) CMS-456 EPA SOIL SAMPLE, DIOXIN > 1 ppb (DIOXIN CONCENTRATION IN ppb)
- ◆ CMS-091 EPA SEDIMENT SAMPLE, DIOXIN < 1 ppb
- ◆ (2.1) CMS-123 EPA SEDIMENT SAMPLE, DIOXIN > 1 ppb (DIOXIN CONCENTRATION IN ppb)
- ▲ AP-DEL-01 APRIL 2002 SAMPLE LOCATION RESULTS IN ppt (0-1.0'/1.0'-2.0')
- ▲ (54) 02-DEL-201 JULY 2002 SAMPLE LOCATION RESULTS IN ppb
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JULY 2002 SAMPLE RESULTS

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FIGURE 12



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