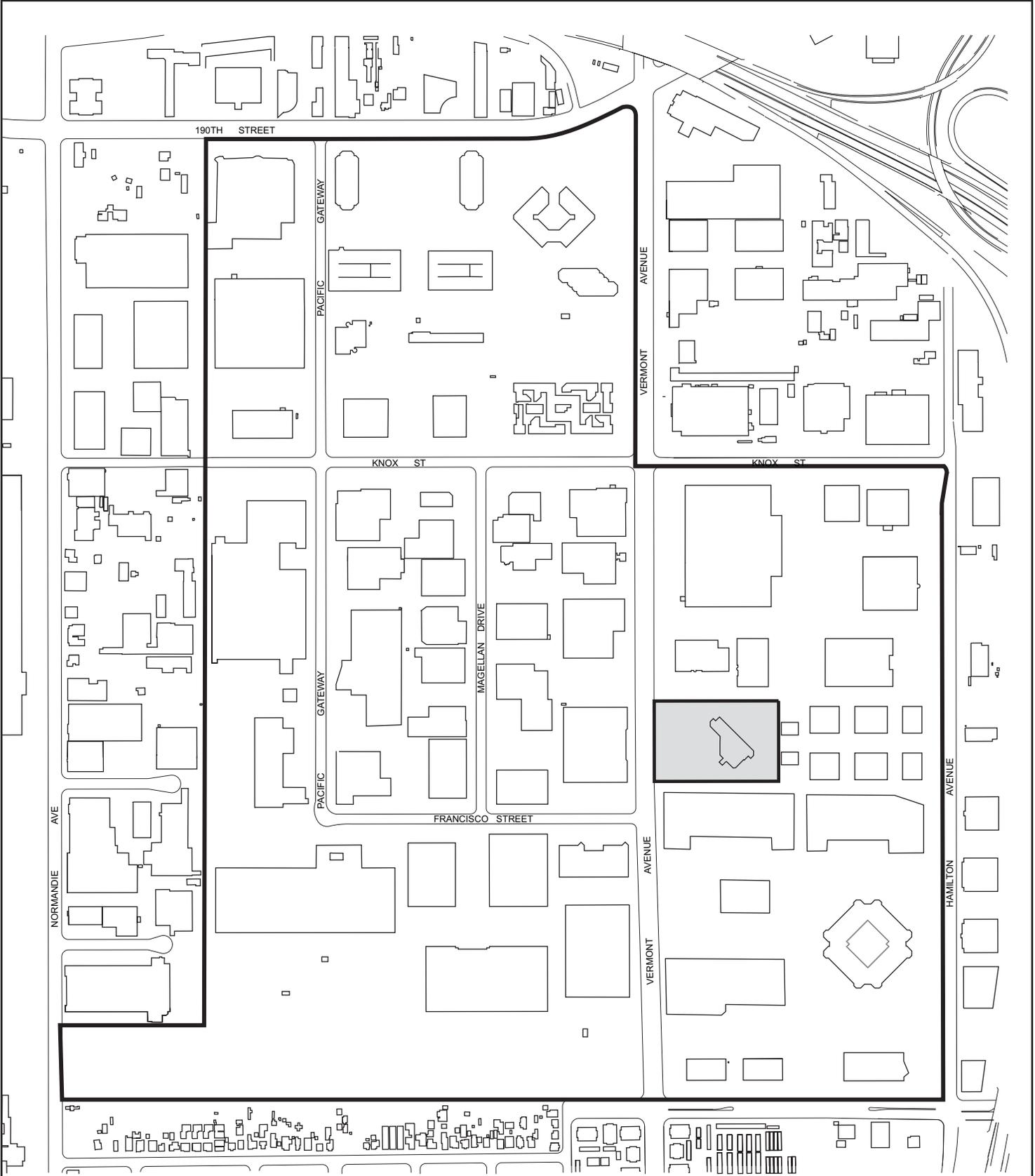


## **PARCEL 7351-033-039**

Parcel 7351-033-039 is located in the central portion of the former Butadiene Plancor. Butadiene was manufactured within the plancor as a component of synthetic rubber. The parcel area overlaps with plancor areas associated with gas storage, cooling of process water, and butadiene purification. Plancor facilities identified in the parcel area are as follows:

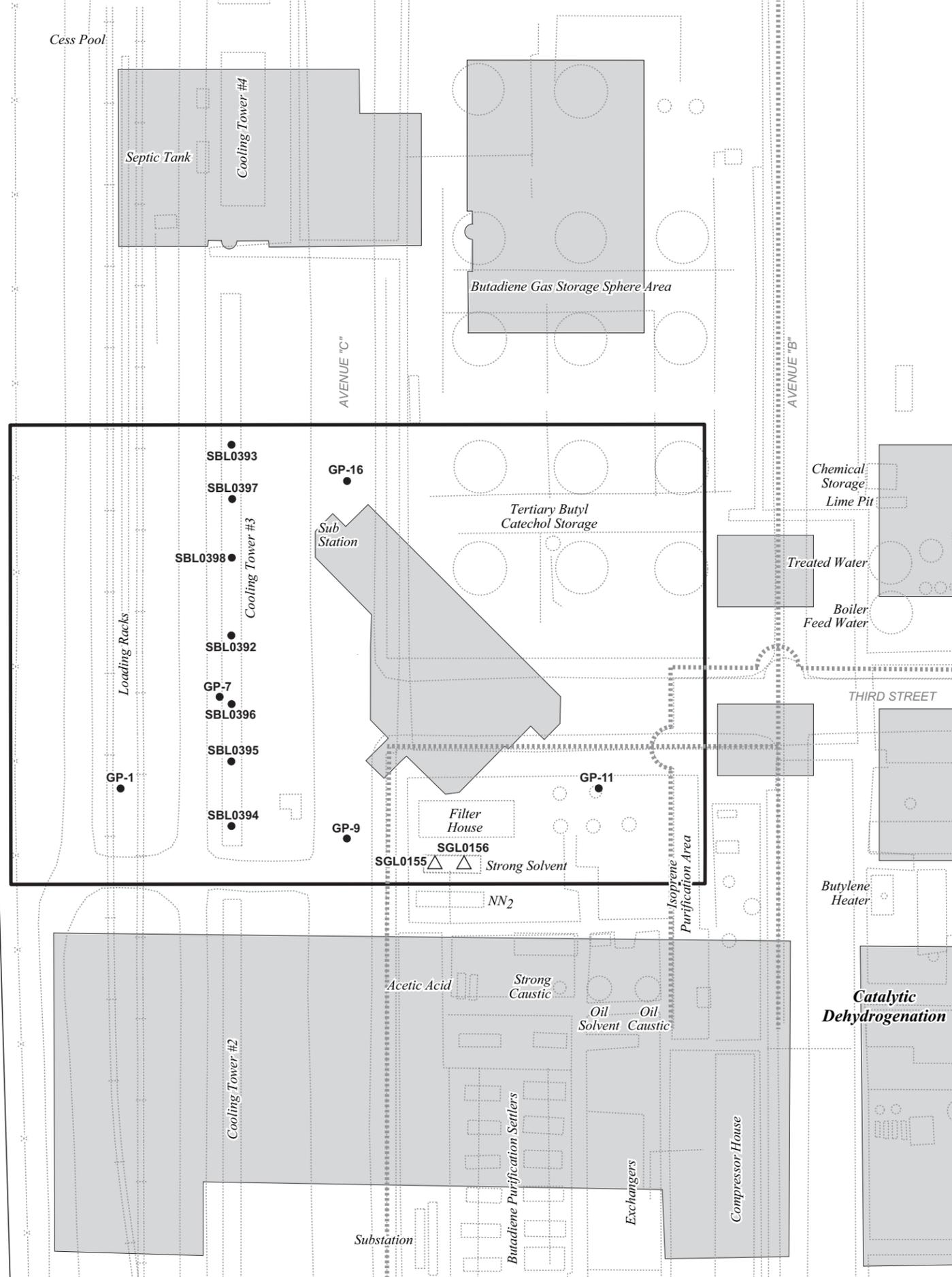
- Aboveground tanks used for storage of butadiene gas, tertiary butyl catechol, “strong solvent” (inferred to be cupric ammonium acetate); and “product storage”;
- An electrical substation (exact location unknown);
- A cooling tower;
- Several railroad spurs and associated loading racks;
- A “filter house” building; and
- Underground pipelines for transport of surface runoff and/or wastewater.

Facilities associated with purification of butadiene were located in the southern portion of the parcel area. Cupric ammonium acetate solvent was used to extract butadiene from a butylene-butadiene mixture. The butadiene was removed from the solvent extract through vaporization and then washed with water for ammonia removal. The butadiene was then liquefied by ammonia refrigeration, inhibited to prevent polymerization, and transferred to the large storage tanks in the northern portion of the parcel.



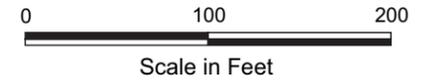
**LOCATION MAP**  
**Parcel 7351-033-039**

S. VERMONT AVENUE



**Legend**

-  Soil gas sampling location
-  Soil boring
-  Parcel boundary
-  Outlines of historical features with use/contents indicated
-  Acetone / Acetonitrile
-  Approximate location of former underground pipelines with a potential to have transported VOC-containing fluids



**SAMPLING LOCATIONS  
AND HISTORICAL FEATURES**  
Parcel No. 7351-033-039

**URS**

**SUMMARY OF ANALYTICAL DATA  
PARCEL 7351-033-039**

| Sample Media              | Location | Depth     |          | Analysis Class | Analyte          | Concentration | Screening Criteria Exceeded |
|---------------------------|----------|-----------|----------|----------------|------------------|---------------|-----------------------------|
|                           |          | (ft. bgs) | Date     |                |                  |               |                             |
| Shallow Soil Gas (<= 15') | SGL0155  | 6.50      | 04/16/93 | VOCs           |                  | All ND        |                             |
|                           | SGL0156  | 6.50      | 04/16/93 | VOCs           | Ethylbenzene     | 0.14 ppmv     |                             |
|                           |          |           |          |                | Toluene          | 0.070 ppmv    |                             |
|                           |          |           |          |                | Xylenes (Total)  | 0.080 ppmv    |                             |
| Shallow Soil (<= 15')     | GP-1     | 10.0      | 06/24/96 | VOCs           |                  | All ND        |                             |
|                           | GP-7     | 10.0      | 06/24/96 | VOCs           |                  | All ND        |                             |
|                           | GP-9     | 10.0      | 06/25/96 | VOCs           |                  | All ND        |                             |
|                           | GP-11    | 10.0      | 06/25/96 | VOCs           |                  | All ND        |                             |
|                           | GP-16    | 15.0      | 06/25/96 | VOCs           |                  | All ND        |                             |
|                           | SBL0392  | 1.50      | 06/27/03 | Chromium       | Chromium (Total) | 31.0 mg/kg    |                             |
|                           |          |           |          |                | Chromium (VI)    | 0.23 mg/kg    |                             |
|                           | SBL0393  | 1.50      | 06/27/03 | Chromium       | Chromium (Total) | 25.7 mg/kg    |                             |
|                           |          |           |          |                | Chromium (VI)    | ND mg/kg      |                             |
|                           | SBL0394  | 3.00      | 06/27/03 | Chromium       | Chromium (Total) | 28.0 mg/kg    |                             |
|                           |          |           |          |                | Chromium (VI)    | 0.34 mg/kg    |                             |
|                           | SBL0395  | 1.50      | 06/27/03 | Chromium       | Chromium (Total) | 35.6 mg/kg    |                             |
|                           |          |           |          |                | Chromium (VI)    | 0.22 mg/kg    |                             |
|                           | SBL0396  | 1.50      | 06/27/03 | Chromium       | Chromium (Total) | 44.5 mg/kg    |                             |
|                           |          |           |          |                | Chromium (VI)    | ND mg/kg      |                             |
|                           | SBL0397  | 1.50      | 06/27/03 | Chromium       | Chromium (Total) | 25.6 mg/kg    |                             |
|                           |          |           |          |                | Chromium (VI)    | 0.35 mg/kg    |                             |
|                           | SBL0398  | 1.50      | 06/27/03 | Chromium       | Chromium (Total) | 27.6 mg/kg    |                             |
|                           |          |           |          |                | Chromium (VI)    | 0.35 mg/kg    |                             |