PARCEL 7351-031-021

Parcel 7351-031-021 is located in the eastern portion of the former Copolymer Plancor. Butadiene and styrene were polymerized to produce synthetic rubber in the Copolymer Plancor during its period of operation. The final steps of the synthetic rubber manufacturing process were completed in the process building. The manufactured latex solution was mixed with brine and then coagulated with dilute sulfuric acid. The resulting rubber crumb was filtered, shredded, dried, baled, dusted with talc, packaged, and stored for shipment on pallets. Former plancor facilities identified within the parcel are as follows:

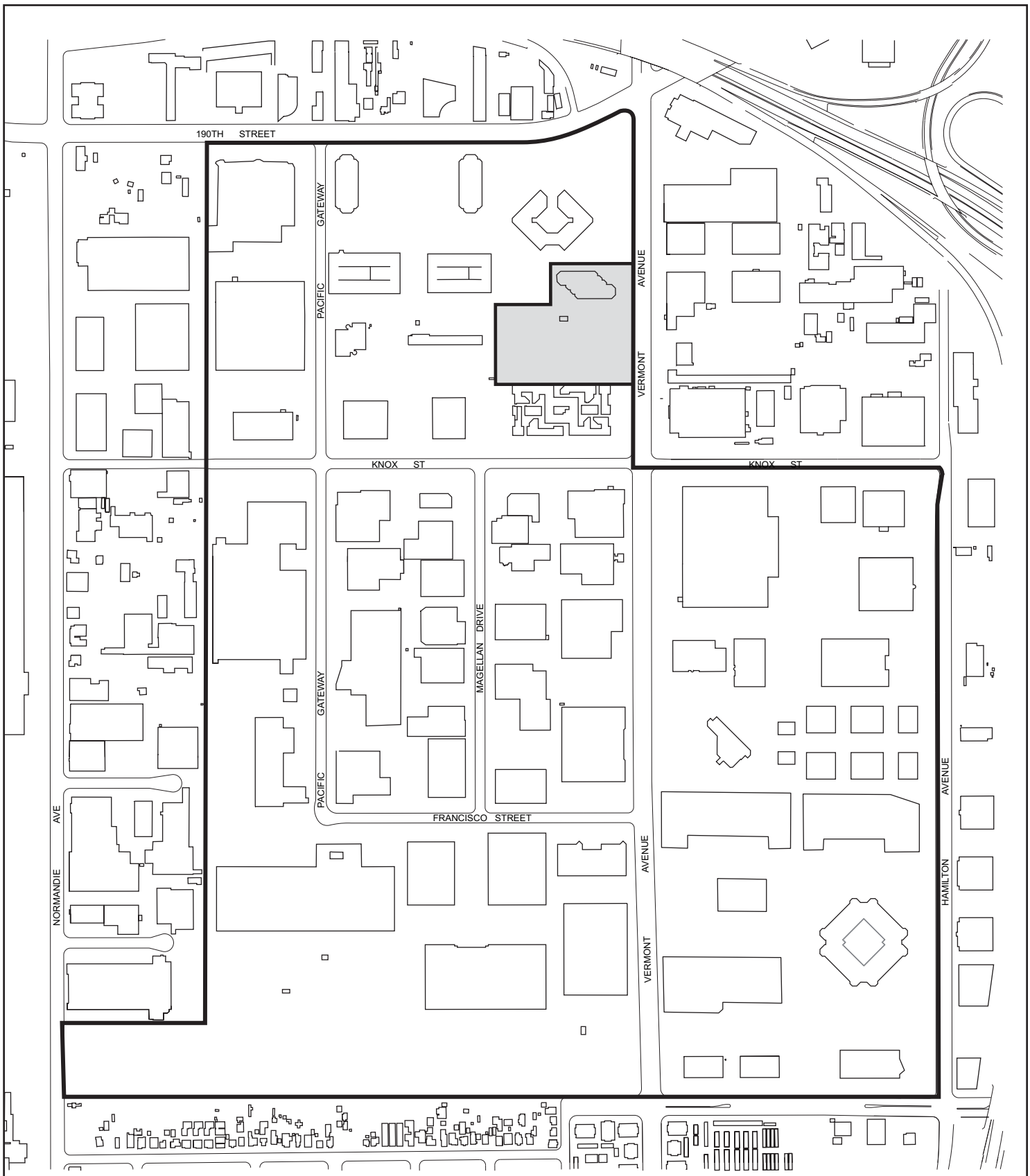
- Aboveground tanks used for storage of latex solutions, diesel fuel, oil emulsion, “BLE”, “ajone DD” (staining antioxidants), carbon slurry, and liquid alum;
- Two primary effluent separators. One is adjacent to an associated “fines” tanks, the other to an oil emulsion tank;
- A carbon black effluent basin;
- One “process” building and a portion of a second;
- A refrigeration building;
- A “technical center” building;
- Two administrative buildings; and
- A railroad spur.

Carbon black is soot, and was used as reinforcing filler in the rubber to improve its durability.

Sulfuric acid, amine solutions, brine solutions, silicon, and tallow fatty acid may additionally have been stored within the parcel area, although the exact location of these storage units is unknown.

No information is available regarding activities conducted in the technical center building.

T:\Ladd\DelAmo\794-171



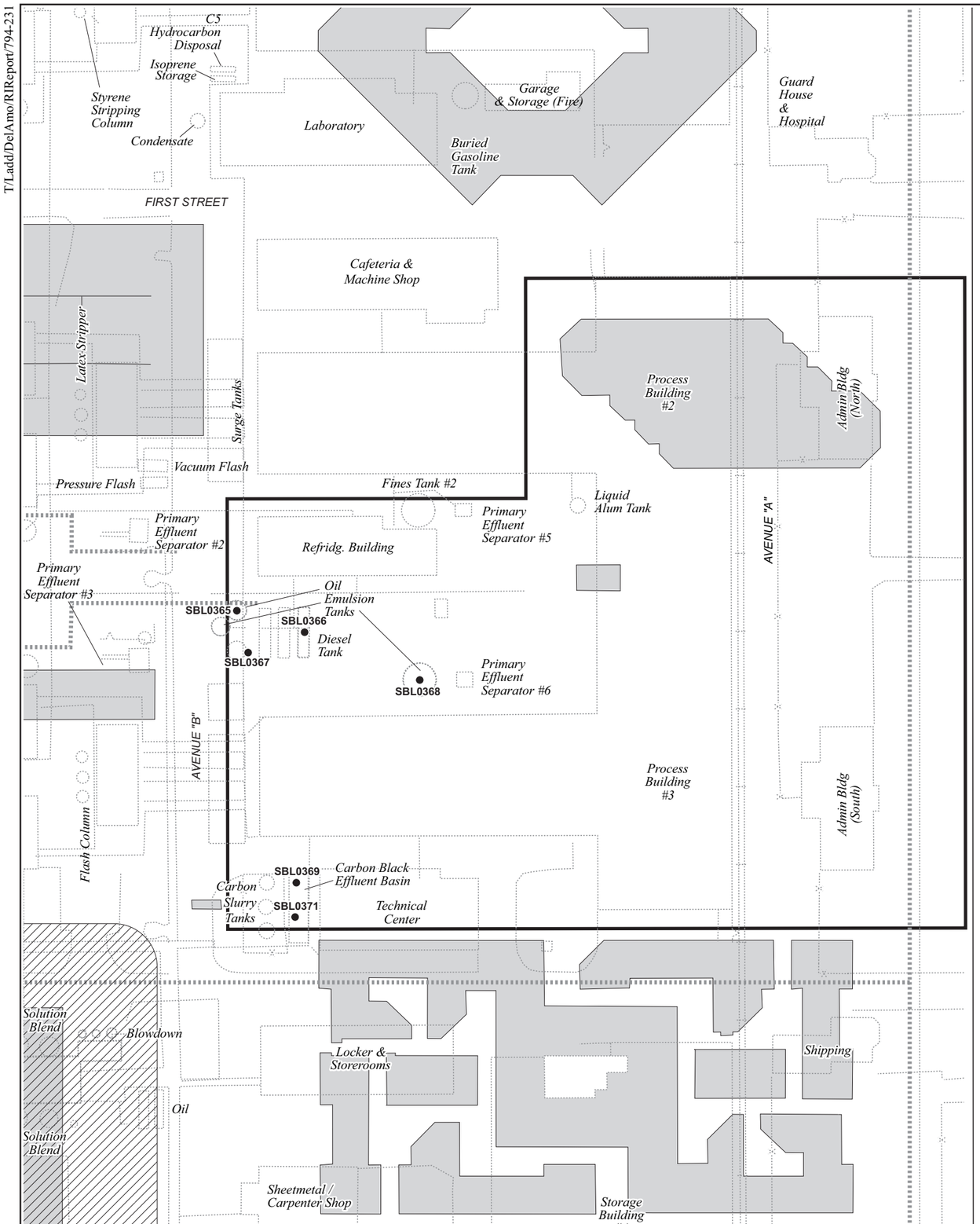
N

0 600 1,200

Scale in Feet

LOCATION MAP
Parcel 7351-031-021

T/Ladd/DelAmo/RIReport/794-231



Legend

- Soil boring location
- Parcel boundary
- Cooling Tower #3 — 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
- Approximate former location of persistent soil staining

N

0 100 200

Scale in Feet

SAMPLING LOCATIONS AND HISTORICAL FEATURES
Parcel No. 7351-031-021

URS

SUMMARY OF ANALYTICAL DATA
PARCEL 7351-031-021

Sample Media	Location	Depth (ft. bgs)	Date	Analysis Class	Analyte	Concentration	Screening Criteria Exceeded
Shallow Soil (<= 15')	SBL0365	1.50	06/24/03	SVOCs/PAHs	2-Methylnaphthalene	0.03 mg/kg	
					Acenaphthene	0.0013 mg/kg	
					Acenaphthylene	0.0049 mg/kg	
					Anthracene	0.0032 mg/kg	
					Benzo(a)anthracene	0.027 mg/kg	
					Benzo(a)pyrene	0.042 mg/kg	
					Benzo(b)fluoranthene	0.043 mg/kg	
					Benzo(g,h,i)perylene	0.036 mg/kg	
					Benzo(k)fluoranthene	0.034 mg/kg	
					Chrysene	0.037 mg/kg	
					Dibenzo(a,h)anthracene	0.0053 mg/kg	
					Fluoranthene	0.038 mg/kg	
					Fluorene	0.0028 mg/kg	
					Indeno(1,2,3-c,d)pyrene	0.035 mg/kg	
					Naphthalene	0.011 mg/kg	
					Phenanthrene	0.024 mg/kg	
					Pyrene	0.047 mg/kg	
		9.50	06/24/03	VOCs		All ND	
	SBL0366	1.50	06/24/03	SVOCs/PAHs	Benzo(a)pyrene	0.00067 mg/kg	
					Benzo(g,h,i)perylene	0.00099 mg/kg	
					Benzo(k)fluoranthene	0.00036 mg/kg	
					Fluoranthene	0.0003 mg/kg	
					Indeno(1,2,3-c,d)pyrene	0.00082 mg/kg	
					Phenanthrene	0.00057 mg/kg	
					Pyrene	0.00039 mg/kg	
		7.00	06/24/03	VOCs		All ND	
	SBL0367	1.50	06/24/03	SVOCs/PAHs	Benzo(a)anthracene	0.00041 mg/kg	
					Benzo(a)pyrene	0.00071 mg/kg	
					Benzo(b)fluoranthene	0.00051 mg/kg	
					Benzo(g,h,i)perylene	0.00089 mg/kg	
					Benzo(k)fluoranthene	0.00051 mg/kg	
					Chrysene	0.00057 mg/kg	
					Fluoranthene	0.00068 mg/kg	
					Indeno(1,2,3-c,d)pyrene	0.00079 mg/kg	
					Phenanthrene	0.001 mg/kg	
					Pyrene	0.001 mg/kg	
		7.00	06/24/03	VOCs		All ND	

Created with soiladdendumprint and parcelsumtmp2.frx on 09/13/05 at 14:05:35

SUMMARY OF ANALYTICAL DATA
PARCEL 7351-031-021

Sample Media	Location	Depth (ft. bgs)	Date	Analysis Class	Analyte	Concentration	Screening Criteria Exceeded
Shallow Soil (<= 15')	SBL0368	1.50	06/24/03	SVOCs/PAHs	2-Methylnaphthalene	0.0013 mg/kg	
					Acenaphthylene	0.0066 mg/kg	
					Anthracene	0.0034 mg/kg	
					Benzo(a)anthracene	0.04 mg/kg	
					Benzo(a)pyrene	0.014 mg/kg	
					Benzo(b)fluoranthene	0.082 mg/kg	
					Benzo(g,h,i)perylene	0.075 mg/kg	
					Benzo(k)fluoranthene	0.059 mg/kg	
					Chrysene	0.049 mg/kg	
					Dibenzo(a,h)anthracene	0.009 mg/kg	
					Fluoranthene	0.068 mg/kg	
					Indeno(1,2,3-c,d)pyrene	0.059 mg/kg	
					Naphthalene	0.0042 mg/kg	
					Phenanthrene	0.016 mg/kg	
					Pyrene	0.12 mg/kg	
		7.00	06/24/03	VOCs	Ethylbenzene	0.019 mg/kg	
					p-Isopropyltoluene	0.0022 mg/kg	
	SBL0369	1.50	06/24/03	SVOCs/PAHs	2-Methylnaphthalene	0.0019 mg/kg	
					Anthracene	0.0024 mg/kg	
					Benzo(a)anthracene	0.0041 mg/kg	
					Benzo(a)pyrene	0.0098 mg/kg	
					Benzo(b)fluoranthene	0.01 mg/kg	
					Benzo(k)fluoranthene	0.007 mg/kg	
					Chrysene	0.0033 mg/kg	
					Fluoranthene	0.0073 mg/kg	
					Naphthalene	0.0015 mg/kg	
					Phenanthrene	0.0027 mg/kg	
					Pyrene	0.013 mg/kg	
	SBL0371	2.00	06/25/03	SVOCs/PAHs	2-Methylnaphthalene	0.00074 mg/kg	
					Anthracene	0.00075 mg/kg	
					Benzo(a)anthracene	0.0057 mg/kg	
					Benzo(a)pyrene	0.0075 mg/kg	
					Benzo(b)fluoranthene	0.0078 mg/kg	
					Benzo(k)fluoranthene	0.0052 mg/kg	
					Chrysene	0.0077 mg/kg	
					Fluoranthene	0.0094 mg/kg	
					Naphthalene	0.00037 mg/kg	

Created with soiladdendumprint and parcelsumtmp2.frx on 09/13/05 at 14:05:35

SUMMARY OF ANALYTICAL DATA
PARCEL 7351-031-021

Sample Media	Location	Depth (ft. bgs)	Date	Analysis Class	Analyte	Concentration	Screening Criteria Exceeded
Shallow Soil (<= 15')	SBL0371	2.00	06/25/03	SVOCs/PAHs	Phenanthrene	0.0046 mg/kg	
					Pyrene	0.0098 mg/kg	