

Property Description Data

Map ID #

221

Environmental Issues: Demo-licious Transfer Station, historic railroad, historic blacksmith, historic machine shop, truck repair, American Carbolite, manufacturing, closed LUST site

Site Name: Demo-licious Transfer Station

Site Address: 305–331 S Central Ave, 306–320 S Central Ave, 320–352 S 56th Ave, 5501–5519 Sherburne St (historic); 310 S Central Ave (current)

Current Use: Public junk disposal facility

Photographs



Looking south across the property



2012 aerial photograph from Bing Maps

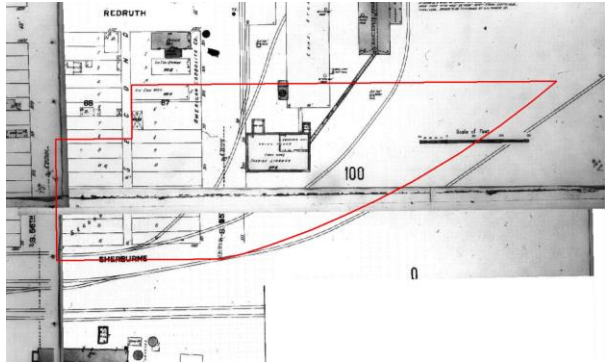

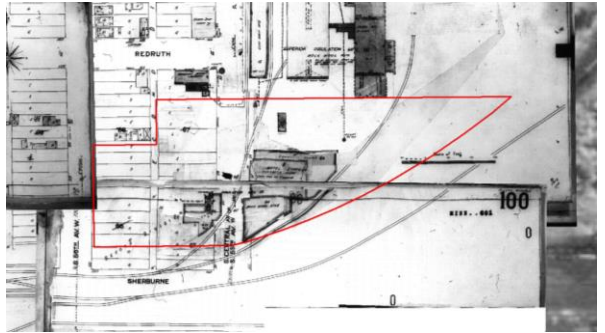
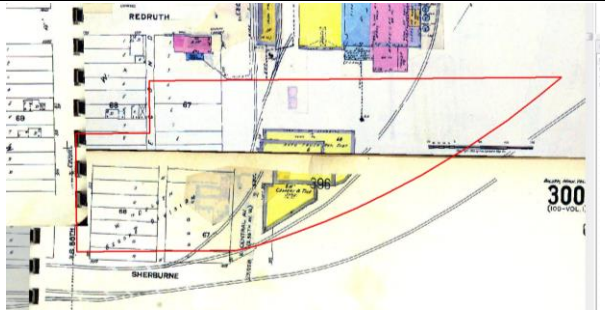
Historical Summary

Year	Use	Source (↑ North)
1892-1902	The property is part of the Duluth Manufacturing Company. Notable features include a warehouse and garage in the northwest portion of the property, railroad spurs and tracks in the central portion of the property, a blacksmith shop, and a machine shop in the north-central portion of the property.	<div>Fire insurance map, historic plat map</div>
		1892 fire insurance map

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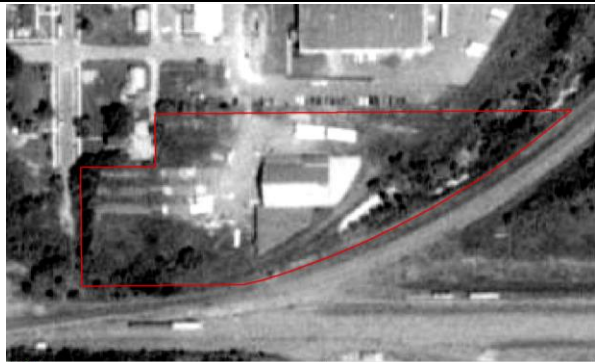

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Year	Use	Source (↑ North)
1908-1924	The property is part of the American Carbolite Company. The previously identified warehouse is labeled as a tin can manufacturing area. Other notable building uses not already identified include a coke, coal, and lime storage area, in the north-central portion of the property, and a carbide storage area in the central portion of the property.	<p>Fire insurance map, historic plat map</p>  <p>1908 fire insurance map</p>
1939-1946	Land use at the property appears relatively unchanged, although additional rectangular-shaped structures are visible in the western portion of the property. No city directory listings were identified for the property address.	<p>Aerial photograph, city directories</p>  <p>1939 aerial photograph</p>
1948-1955	The property is occupied by the Superior Insulation Manufacturing company. Three structures are depicted in the central portion of the property. These include a storage building (depicted as offices and storage space).	<p>Aerial photographs, city directories, fire insurance map</p>  <p>1949 fire insurance map</p>
1956	The city directory listing indicates the property is occupied by Arrowhead Blacktop Company.	<p>City directory</p>
1961-1972	Two of the buildings previously noted in the central portion of the property are no longer present. The main building previously labeled as storage contains an auto truck repair shop and cement and tile storage. Unpaved parking/drive areas are present throughout the property. No city directory listings were identified for the property address.	<p>Aerial photographs, city directories, fire insurance map</p>  <p>1963 fire insurance map</p>

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Year	Use	Source (↑ North)	
1980-2005	Railroad tracks previously observed at the property are no longer present. The on-site building remains at the property. No city directory listings were identified for the property.	Aerial photographs, city directories	 <p>1997 aerial photograph</p>
2006-present	The property appears developed with existing structures. City directories indicate that the property is occupied by the Demo-licious Waste Disposal facility.	Aerial photographs, city directories	 <p>2010 aerial photograph</p>

Regulatory Review

This property was identified as Zenith Dredge Co and the Demo-licious Transfer Station on the RCRA-NLR, SPILLS, SWF, and LUST databases.

Regulatory information indicates that the SPILLS listing (reported May 2007) involved a fire with disposal debris at the transfer site. Notes indicate that while a structure was burning, a greenish fluid suspected to be antifreeze was observed. Due to water spray from putting out the fire, the fluid ran off the concrete and down a hillside towards a creek going to the St. Louis River. The incident was closed in January 2010 by referral to the RCRA program.

The RCRA-NLR listing (MND982615270) was for ignitable waste. Violations or enforcement actions were not listed for the facility.

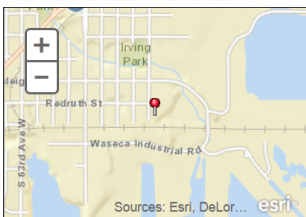
Regulatory information indicates that the facility is currently operating as a solid waste facility (permit SW-577). The most recent Annual report (2012 Annual Report) indicates that the facility received approximately 49,003.57 cubic yards of municipal solid waste, demolition waste, industrial waste, electronics, tires, bulbs, and ballasts.

Two releases were identified in connection with Zenith Dredge: Leak No. 4440 (reported in August 1991 and closed August 7, 1992) and Leak No. 8083 (reported in December 1994 and closed in October 1995). It should be noted that although the address for Leak No. 8083 is 200 S Central Ave, Leak No. 8083 is plotted at this property (Map ID #221) on the MPCA What's In My Neighborhood website. The requested files for Leak No. 8083 were not received at the time of this assessment to verify its location. A screenshot of the WIMN website is provided below for reference.

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Site Name	Zenith Dredge Co
Leak ID Number	8083
Leak Address	200 S Central Ave
City Name	Duluth
Station Type	55807
County	St. Louis
Release Discovered	12-07-1994
Release Report	12-07-1994
Conditional Closure Date	
Complete Site Closure Date	10-18-1995
Contaminated Soils Remaining	U
Offsite Contamination	U
Product Released	Diesel
Project Manager:	Leppala, Steve

Ground Water Cleanup Actions Site Contacts Treatments **Reporting** Field Work Release Detail

Apr-12-1995

Report Type	Remedial Investigation
Assigned Hydrologist	
Review Complete Date	
Responding Staff	3094
MPCA Response Type	Closure
Response Date	10-18-1995
Target Date	

A summary of the leak site file information for Leak No. 4440 is provided below.

Leak No. 4440

Three USTs (one 10,000-gallon regular gasoline, one 10,000-gallon unleaded gasoline, and one 5,000-gallon regular gasoline) were removed from the property on August 20 and 21, 1991. The 10,000-gallon UST containing unleaded gasoline was found to be in poor condition and was attributed as the probable cause of petroleum contamination found at the site. The other USTs were noted to be in good condition.

Visual and olfactory indications of contamination were not observed during the initial excavation (approximately 350 cubic yards of soil); however, field instrumentation identified high PID readings(>1,000 ppm). Work was suspended to await laboratory confirmation. Nine soil samples were analyzed for VOCs, PAHS, lead, cadmium, and chromium; VOCs concentrations were below detectable limits, and the sum of total PAHs was 0.221 ppm (considered background). The highest concentrations of metals sampled included 45 ppm lead and 16 ppm chromium (below MPCA action levels).

A site history investigation later revealed that the site had once been used for the production of calcium carbonate and that residual by-products from the past land use caused elevated field instrument readings. Approximately 25 cubic yards of petroleum contaminated soil was segregated from the original pile and treated by land treatment at the site.

The UST Excavation Report, prepared by GME Consultants and dated February 5, 1992, indicates that perched water was encountered at approximately 3 feet below grade in one of the excavations (Excavation 2); however, water was not encountered in the other two excavations. Petroleum sheen was not observed on the perched water in the excavation, and a water sample collected from the excavation after a heavy rain did not yield indications of petroleum impacts.

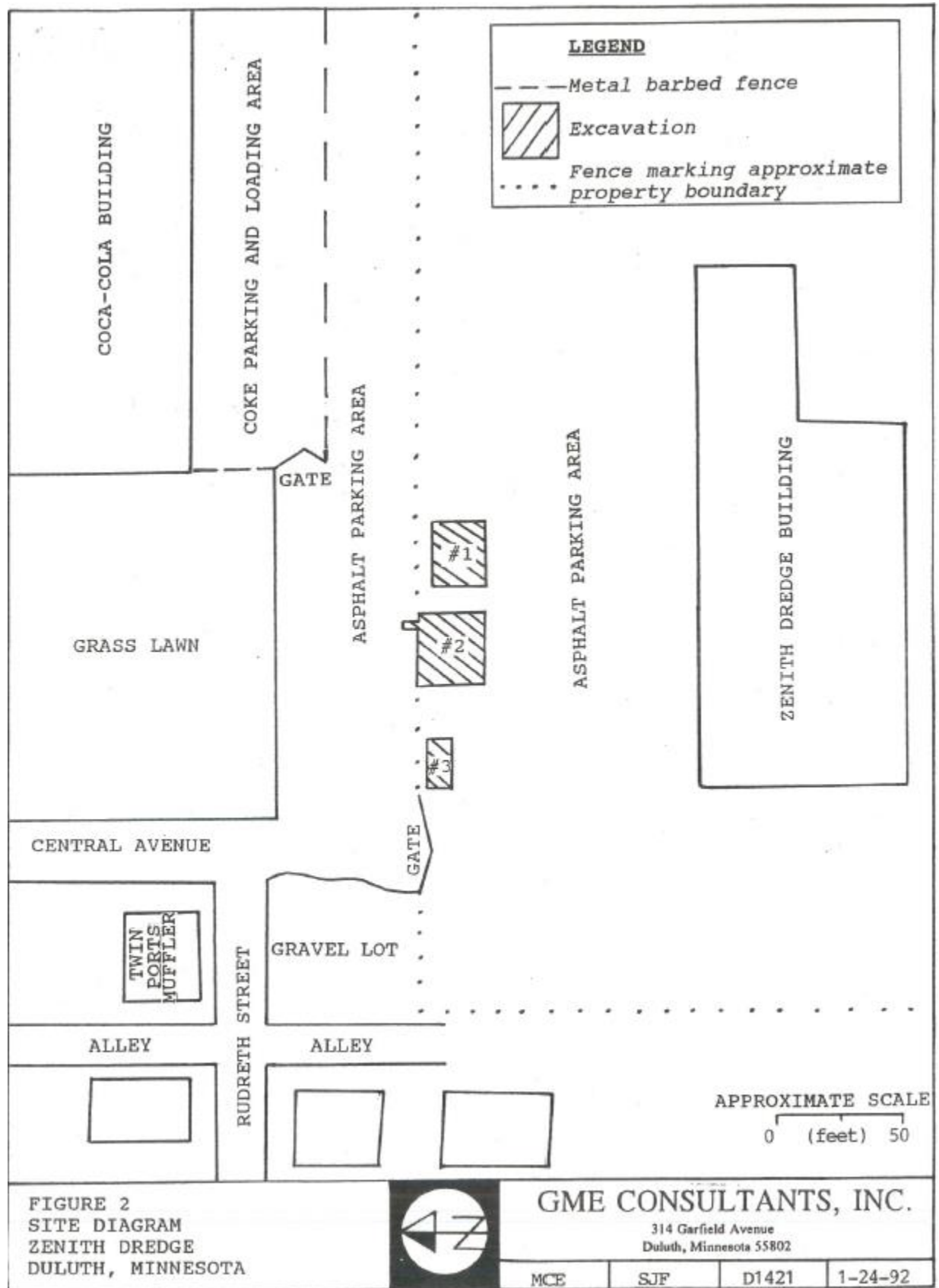
Based on the results of the Excavation Report, GME recommended no further environmental assessment actions. The MPCA agreed and closed the release on August 7, 1992.

Please note, although Leak 4440 has been closed by the MPCA, this investigation was specific to one area at the property. Additional potential environmental conditions exist at the property based on the historic land use and lack of assessment in other areas of the property.

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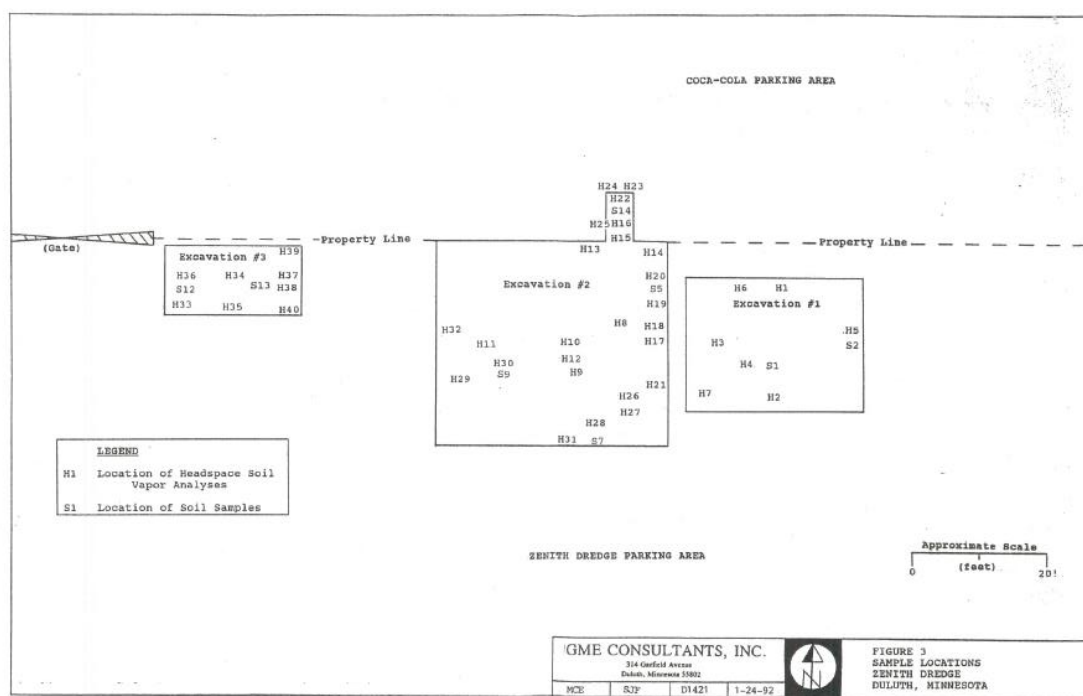
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Land-Based Classifications Standards

Dimensions	Code	Classifications
Activity	3210	Solid waste collection and storage
Function	4343	Solid waste collection
Structural Character	6300	Sewer and waste-related facility
Site Development Character	6000	Developed site with buildings
Ownership	1000	No constraints, private ownership

Property Attributes

Category	Comments
PID	010-4480-01120, 010-4480-01130, 010-4480-01140, 010-4480-01150, 010-4480-01160, 010-4480-01170, 010-4480-01180, 010-4480-01190, 010-4480-01200, 010-4480-00900, and 010-0130-00190
Legal Description	Lots 08, 09, 10, 11, 12, 13, 14, 15, 16, Block 68, West Duluth 2nd Division; Lot 00, Block 67, West Duluth 2nd Division; No Lot/Block listed, Rearmament Auditors Plat West Duluth
Acres	4.72
Parking	Parking on property
Topography	Level
FEMA Flood Zone	Northeast portion of site in Zone B, areas subject to 100 year flood. Remaining portions of site in Zone C, areas of minimal flooding
Census Tract	158
Proximity to Highway Access	Within 0.41 mile of Interstate 35
Existing Buildings	One waste transfer facility originally constructed in 1939 and one office building constructed by 2010
Previous Investigation	Leak No. 4440 closed August 1992; Leak 8083 closed October 1995