

Hopkins Landfill Reconstruction



Landfill Cleanup Act

- ▶ Minn. Stat. 115B.39 - 43
- ▶ MPCA enters into agreement with landfill owner/operator to assume responsibility for cleanup and long-term care
- ▶ MPCA determines what response actions will take place on site
- ▶ MPCA monitors groundwater and soil gas
- ▶ MPCA performs O&M at site in perpetuity
- ▶ MPCA works with local governments on land-use controls to protect public health & safety



Hopkins Landfill History

- ▶ 1964 – 1971 – Open Dump
- ▶ 1971 – 1980 – Permitted MMSW Landfill
- ▶ 1980 – Landfill closed in accordance with requirements in effect at the time
- ▶ 1988 – City investigates LF gas, installs gas monitoring system, confirms migration



Hopkins Landfill History

- ▶ 1991 – City installs passive barrier on east and south perimeter of landfill. Some gas still present in monitoring system
- ▶ 1995 – City and MPCA sign a Binding Agreement giving CLP responsibility to manage the landfill. City continues ownership of property



Hopkins Landfill History

- ▶ 1995 - 1996 – CLP installs an active gas extraction system. Flare begins operation in April, 1996
- ▶ 1998 – 2005 – Additional gas wells installed to supplement flare efficiency
- ▶ 2011 – Hopkins Landfill is ranked #1 as the highest risk site in the CLP due to the potential for methane migration



CLP Methane Area of Concern: HOPKINS SANITARY LANDFILL



Minnesota Pollution Control Agency


Site Contacts


Land Manager: Shawn Ruotsinoja


Engineer: Peter Tiffany


Hydrogeologist: Ingrid Verhagen

Site Features

 **Gas Probe**

 **Waste Footprint**

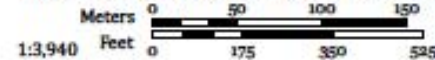
 **Land Management Area**
Designates the property that is under the responsibility and control of the MPCA.

 **Methane Area of Concern**
Area surrounding the landfill that may be impacted by subsurface migration of methane gas.



DISCLAIMER: The State of Minnesota makes no representations or warranties to the user as to the accuracy, currency, suitability or reliability of this data for any purpose. This map depicts a reasonable approximation of impacts from the landfill only and makes no inference about impacts from other potential sources.

Created 9/14/2011 by CLP Engineer Peter Tiffany



Hopkins Landfill 1969



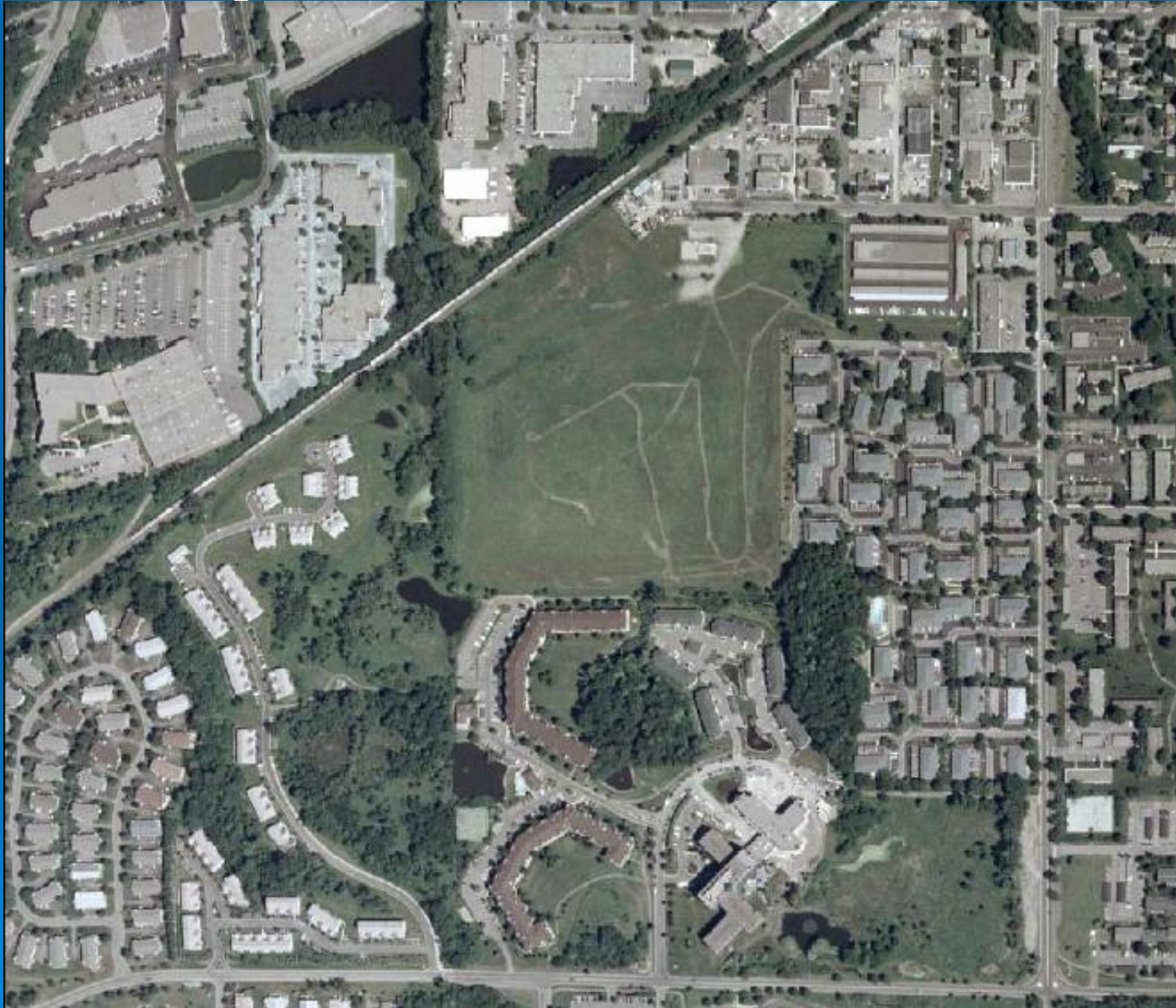
Hopkins Landfill 1979



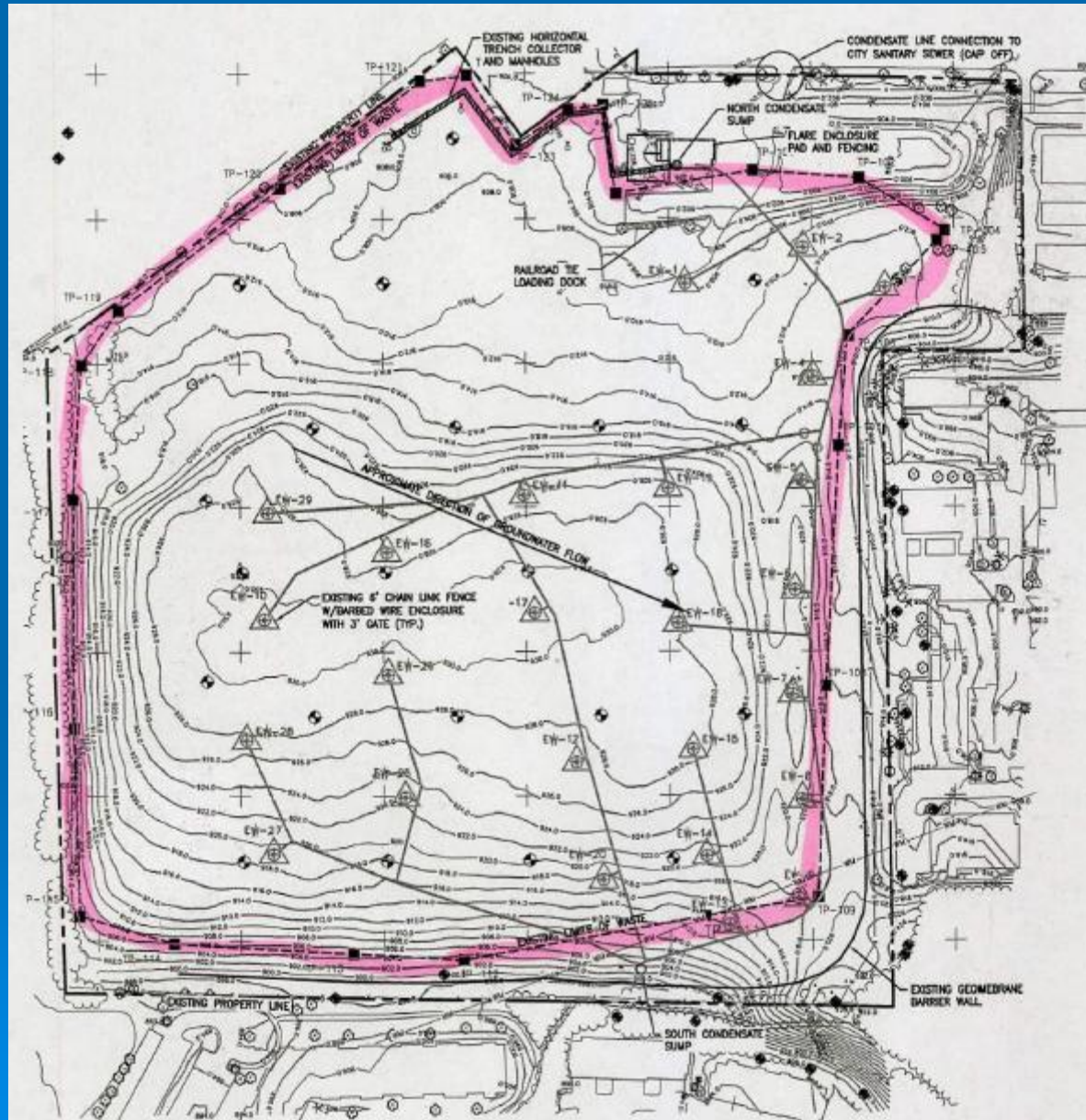
Hopkins Landfill 1992



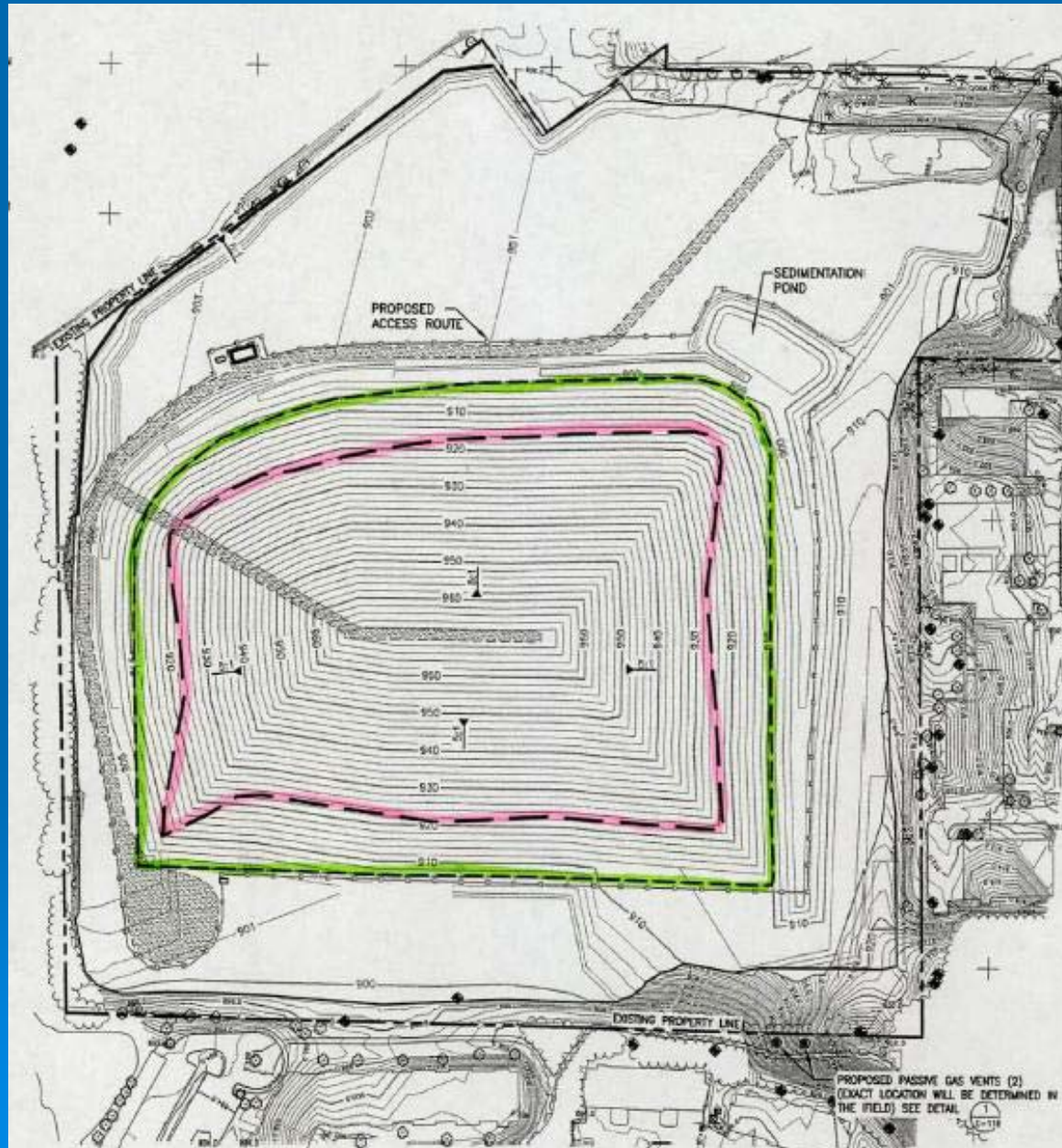
Hopkins Landfill 2003



Current Plan View



Proposed Plan View



Hopkins Landfill

- ▶ Closed Landfill Site Team
- ▶ Pat Hanson – Project Manager
- ▶ Peter Tiffany – Engineer
- ▶ Ingrid Verhagen – Hydrogeologist
- ▶ Paul Estuesta – On-site Representative
- ▶ Shawn Ruotsinoja – Land Manager

