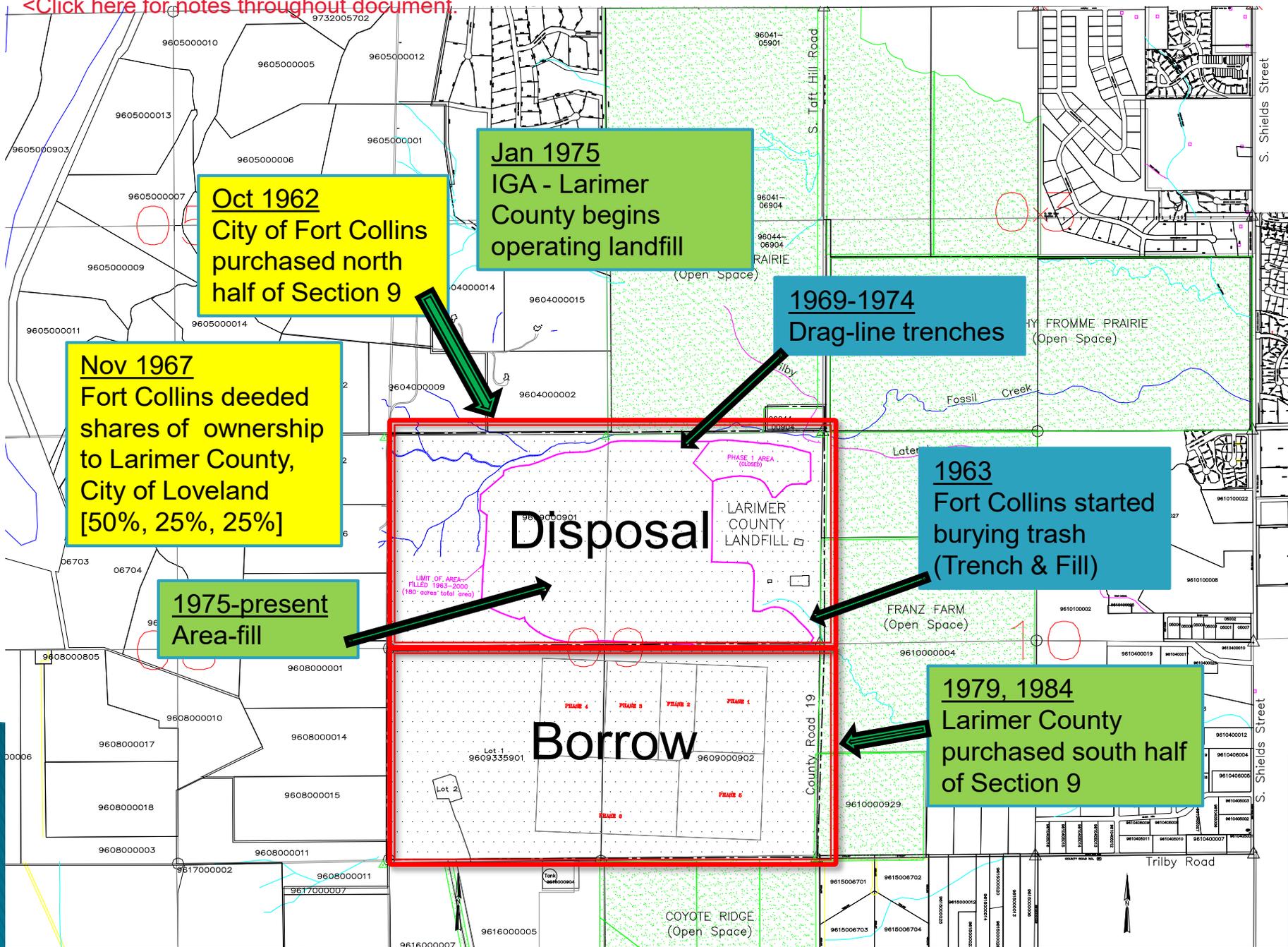




Larimer County Landfill, March 2017





Oct 1962
 City of Fort Collins purchased north half of Section 9

Jan 1975
 IGA - Larimer County begins operating landfill

1969-1974
 Drag-line trenches

Nov 1967
 Fort Collins deeded shares of ownership to Larimer County, City of Loveland [50%, 25%, 25%]

1963
 Fort Collins started burying trash (Trench & Fill)

1975-present
 Area-fill

1979, 1984
 Larimer County purchased south half of Section 9

Disposal

Borrow

PHASE 1 AREA (Closed)

PHASE 4 PHASE 3 PHASE 2 PHASE 1

PHASE 6

Lot 1 9609335901

Lot 2 9609000902

County Road 19

FRANZ FARM (Open Space)

COYOTE RIDGE (Open Space)

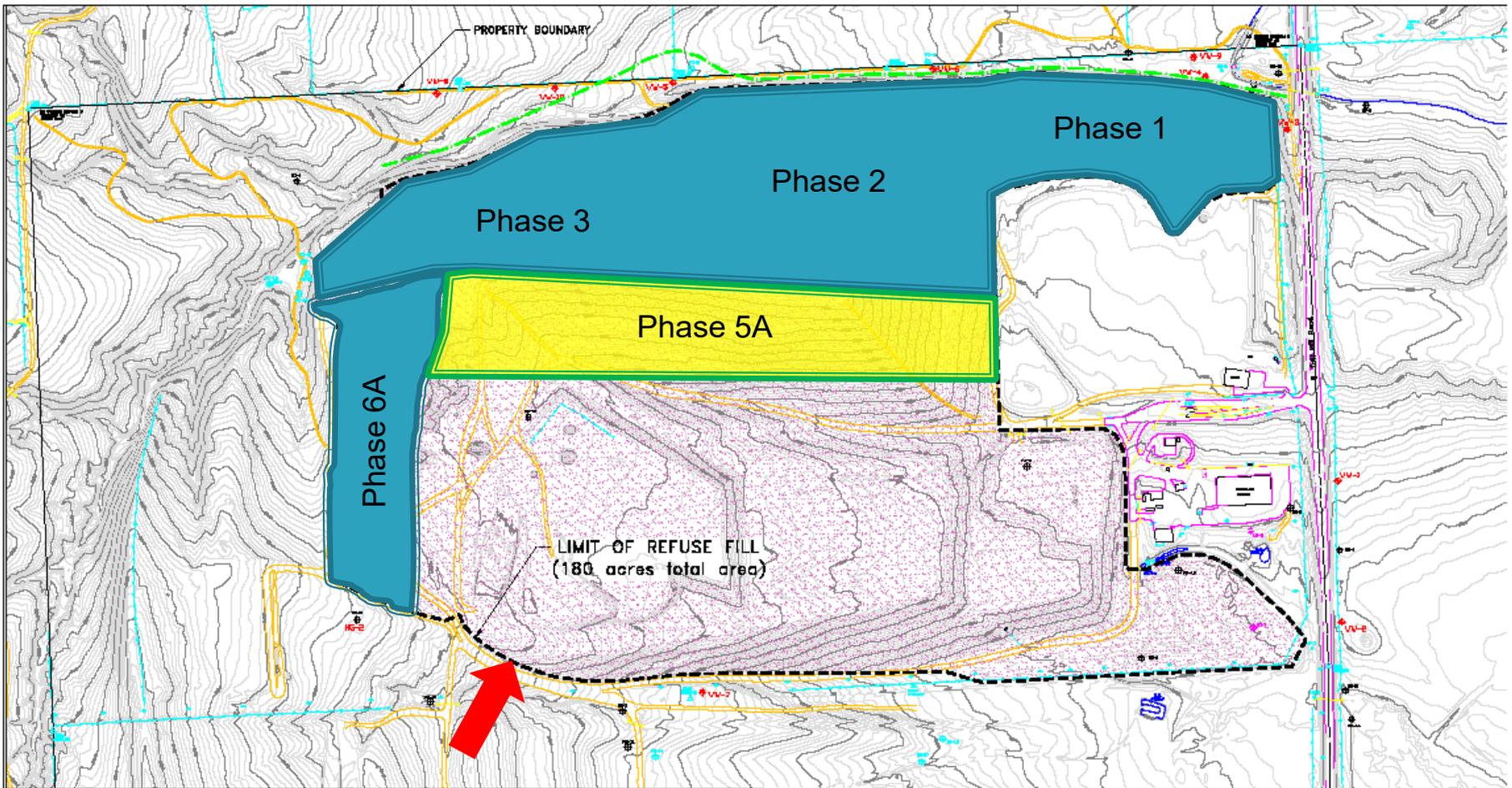
TRILBY ROAD



Federal / State
“Criteria for Municipal Solid Waste Landfills”
**RESOURCE CONSERVATION AND RECOVERY ACT
(RCRA) – SUBTITLE D**

Effective Oct 1993

- Landfill Siting
- Design/Construction
- Operation
- Closure/Post-Closure Care
- Environmental Monitoring
- Financial Assurance



D:\Landfill\LF_Gas\Gas_Monitoring.dwg (Revised 04/06/2018)



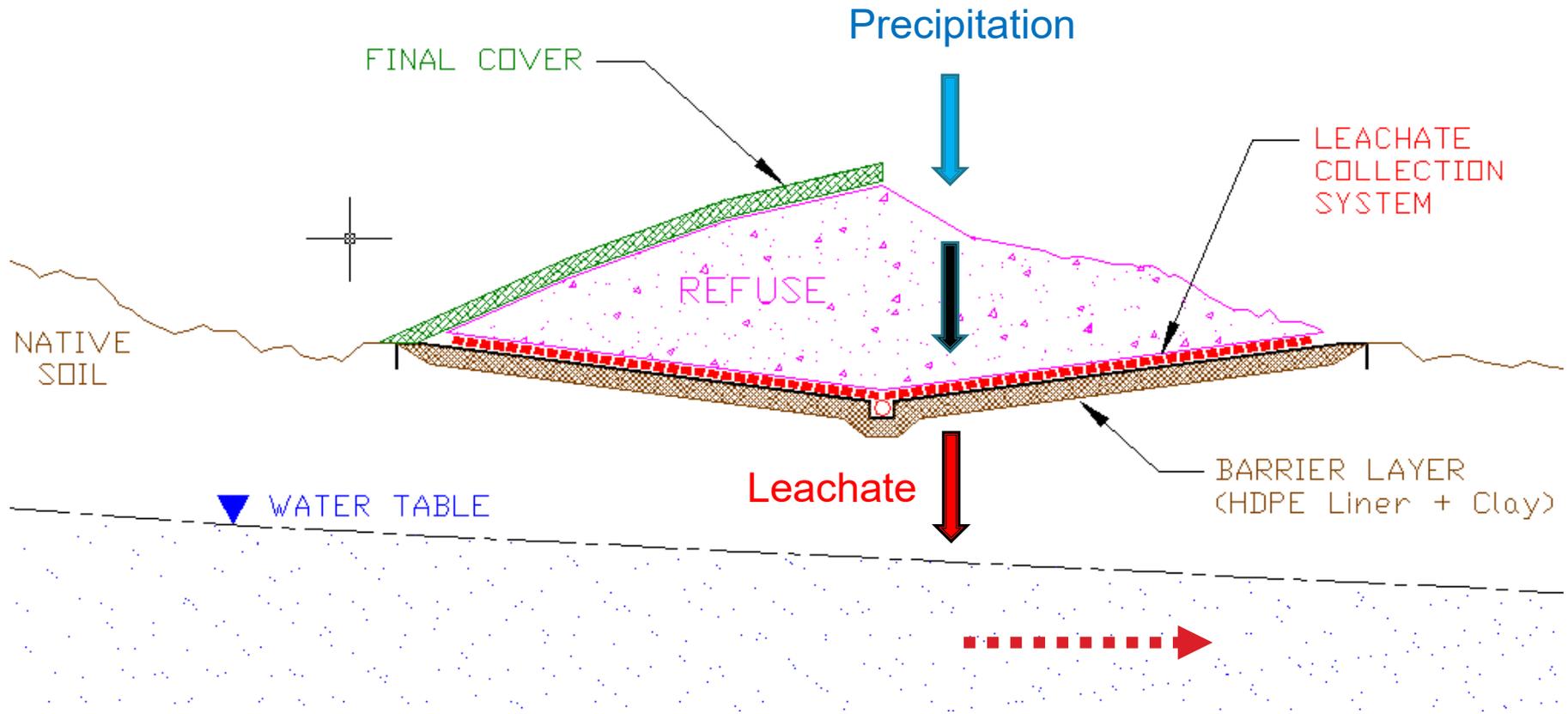
Photogrammetric mapping by:
Aero-Metric, Inc.
Date of Photography: 11/18/08

LEGEND

-  Gas Monitoring Probe
-  Landfilled Area
-  Northern Extent of Explosive Gas Plume

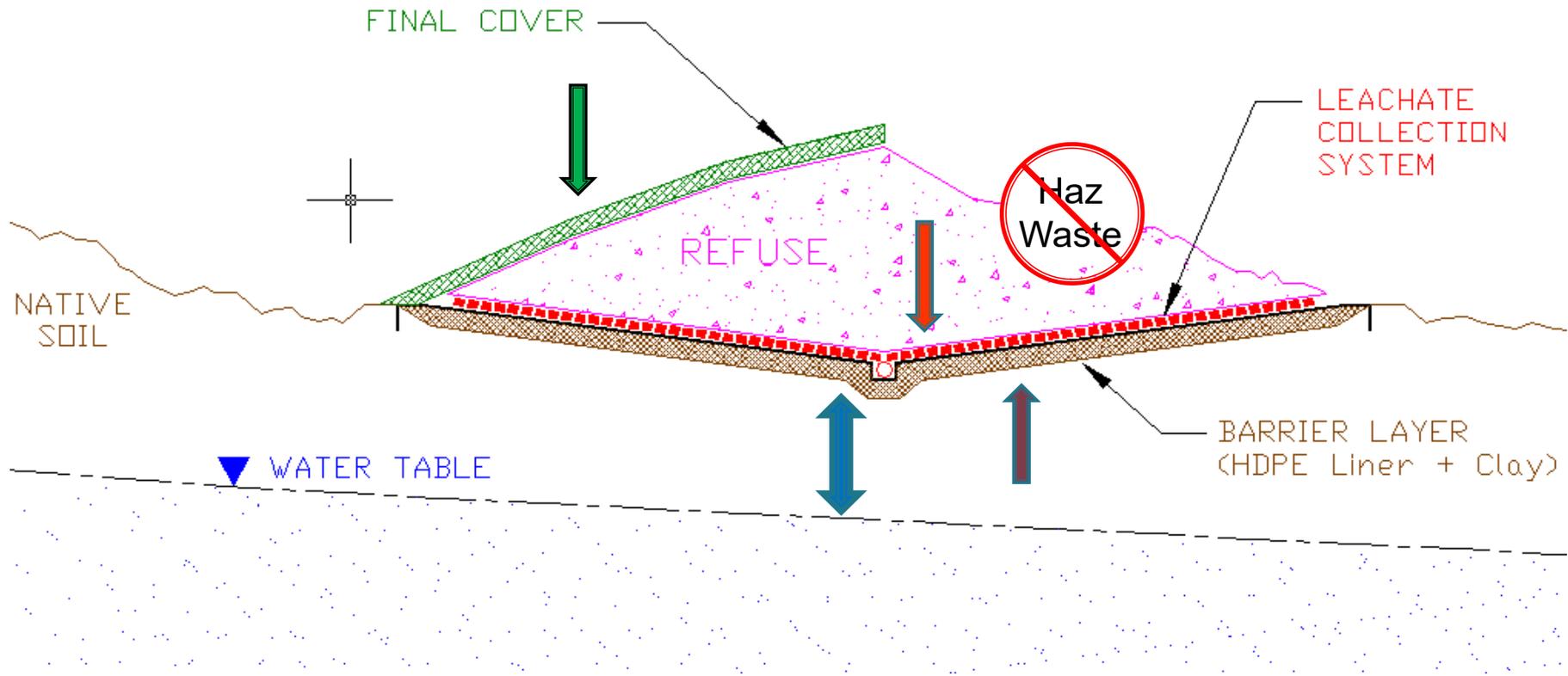
North 1/2 of Section 9
T 6N, R 69W

POTENTIAL TO CAUSE GROUNDWATER POLLUTION

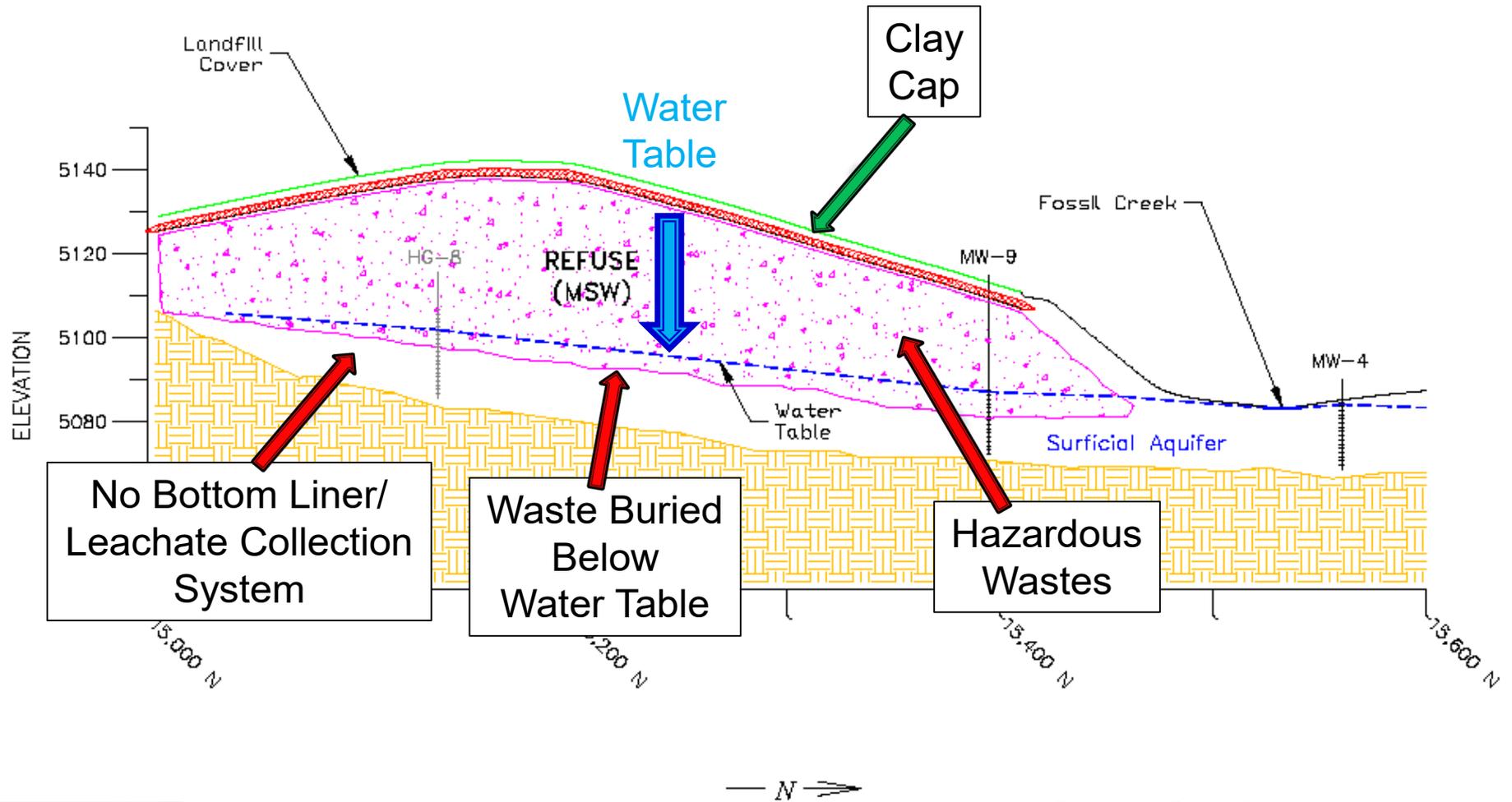


GROUNDWATER POLLUTION

Modern Landfill Design - RCRA Subtitle D (1993)

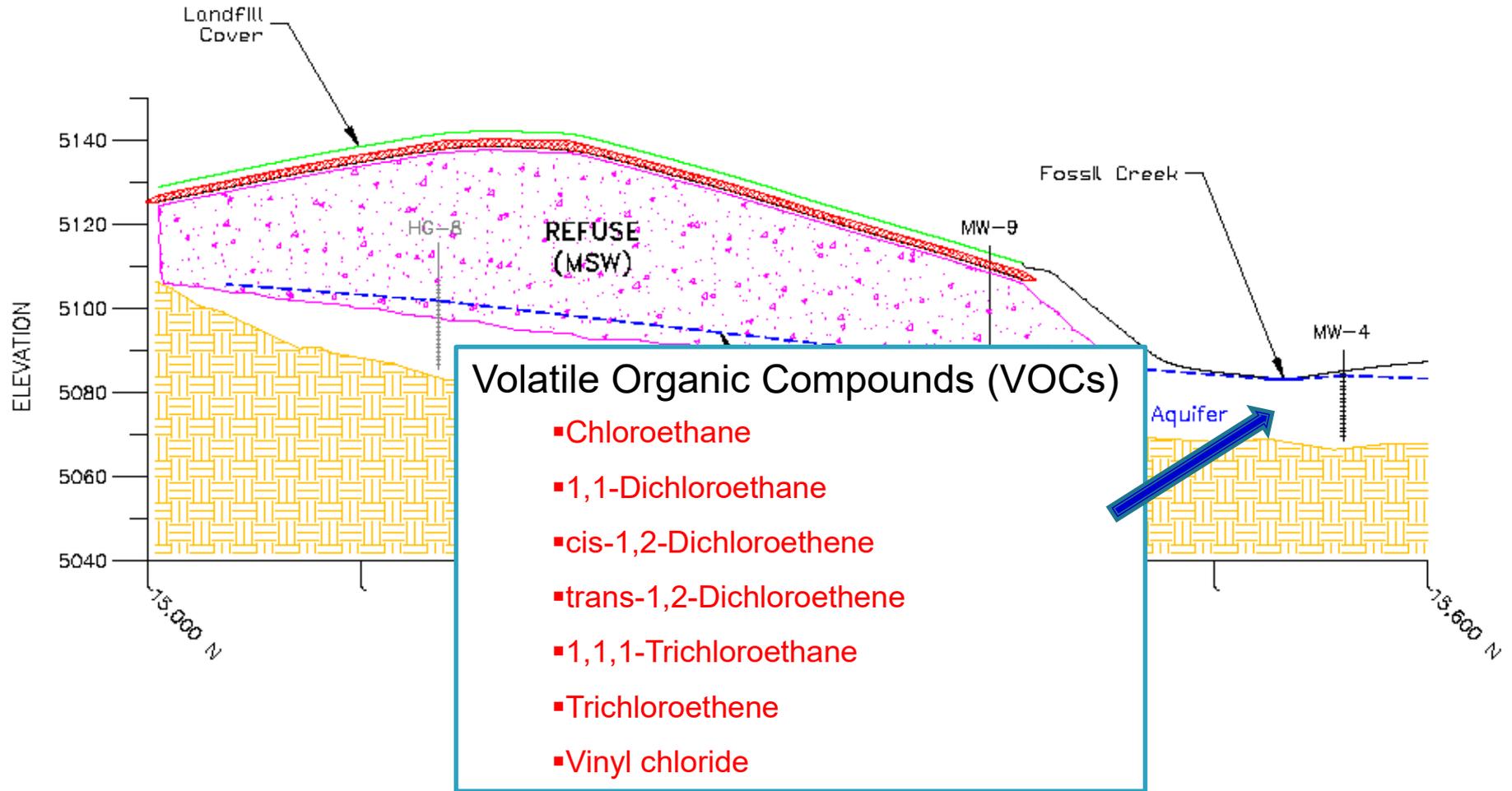


GROUNDWATER POLLUTION



Cross-Section
Larimer County Landfill (Phase 1 Area)

GROUNDWATER POLLUTION

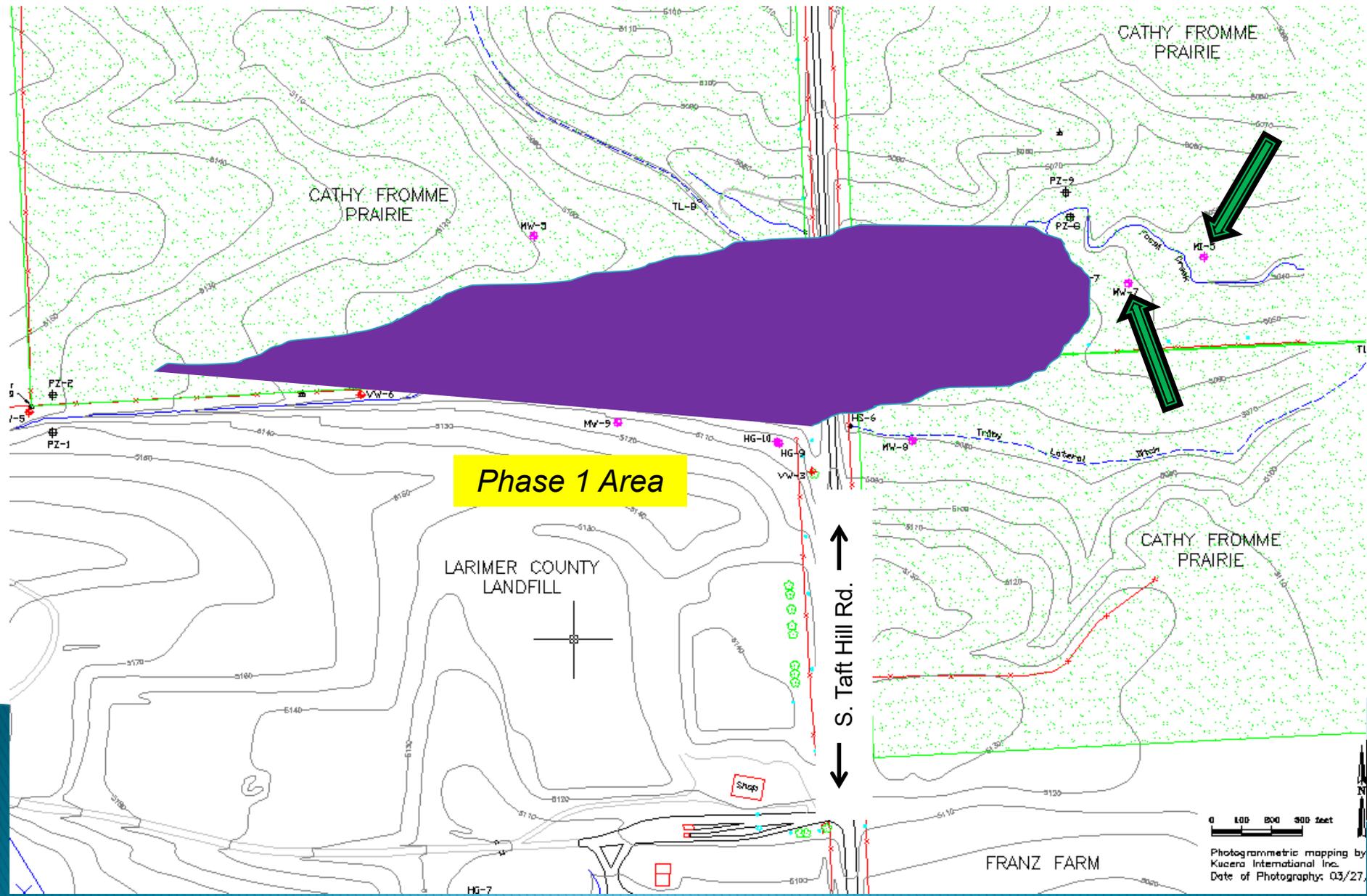


Cross-Section
Larimer County Landfill (Phase 1 Area)

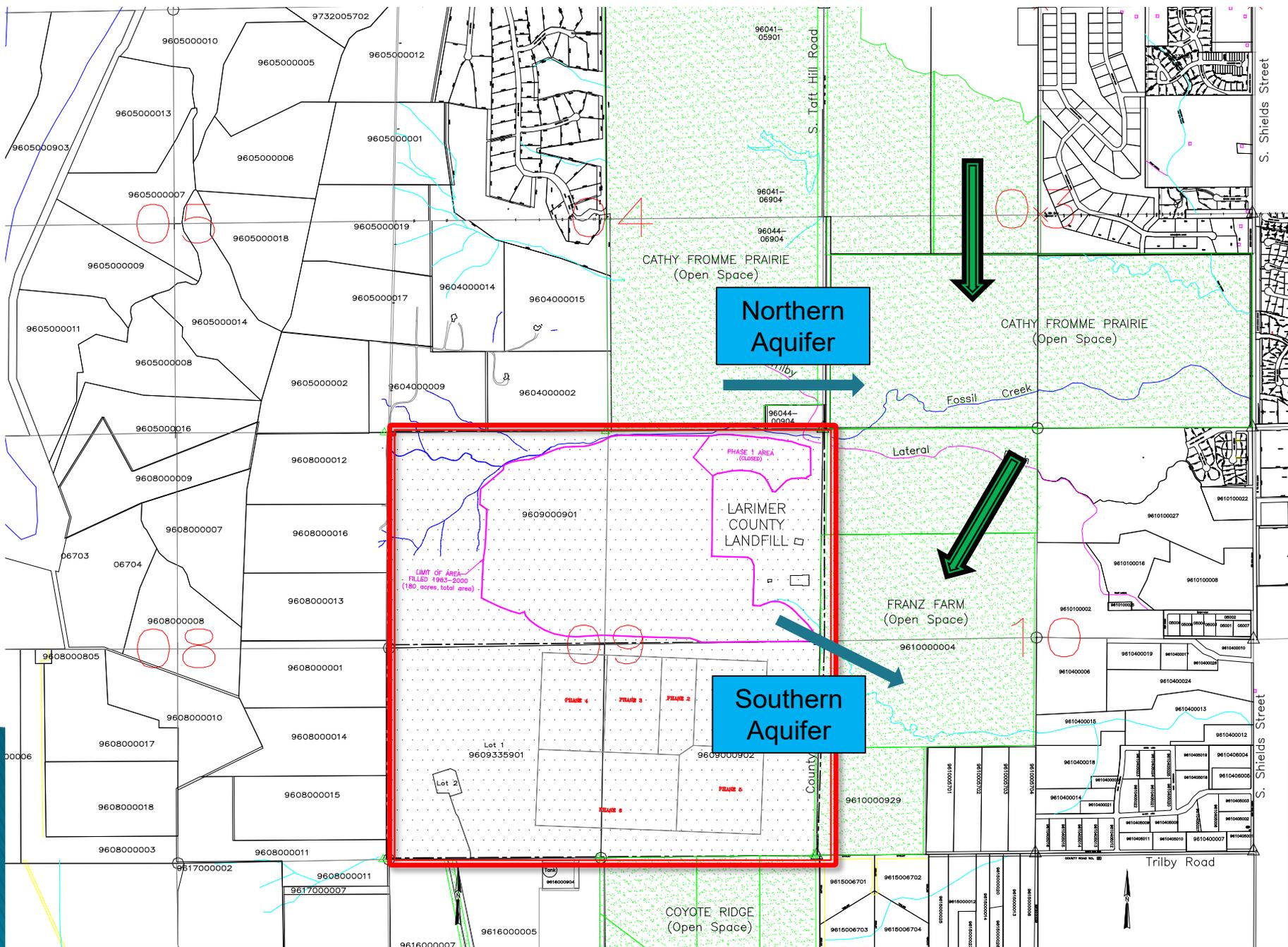
Groundwater Monitoring



- *Groundwater sampling 2-4 times/year*
- *Testing for 47 VOCs + metals and inorganic compounds*
- *VOC concentrations decreasing (due to Biodegradation)*
- *Extent of contamination not increasing*
- *No downgradient receptors*
- **Monitored Natural Attenuation (MNA)**

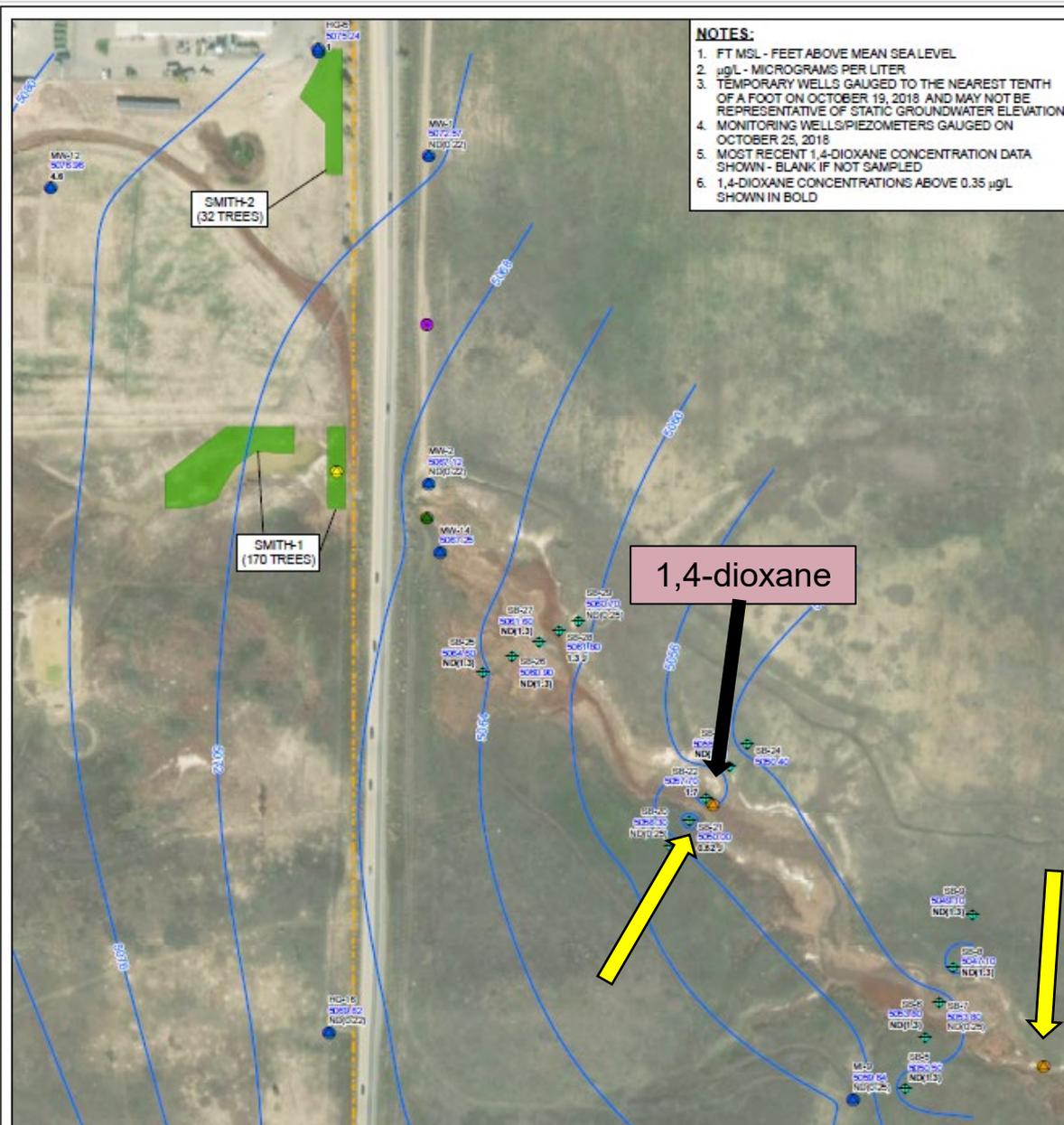


Groundwater Contamination Area



LARIMER COUNTY LANDFILL NEIGHBORHOOD

Smith Creek Drainage Franz Farm





1,4-DIOXANE CONTAMINATION

- ▶ Determine downgradient extent of contamination
- ▶ Install new monitoring wells
- ▶ Sample downgradient domestic wells
- ▶ Complete Assessment of Corrective Measures
- ▶ Remedial action
- ▶ Public Relations