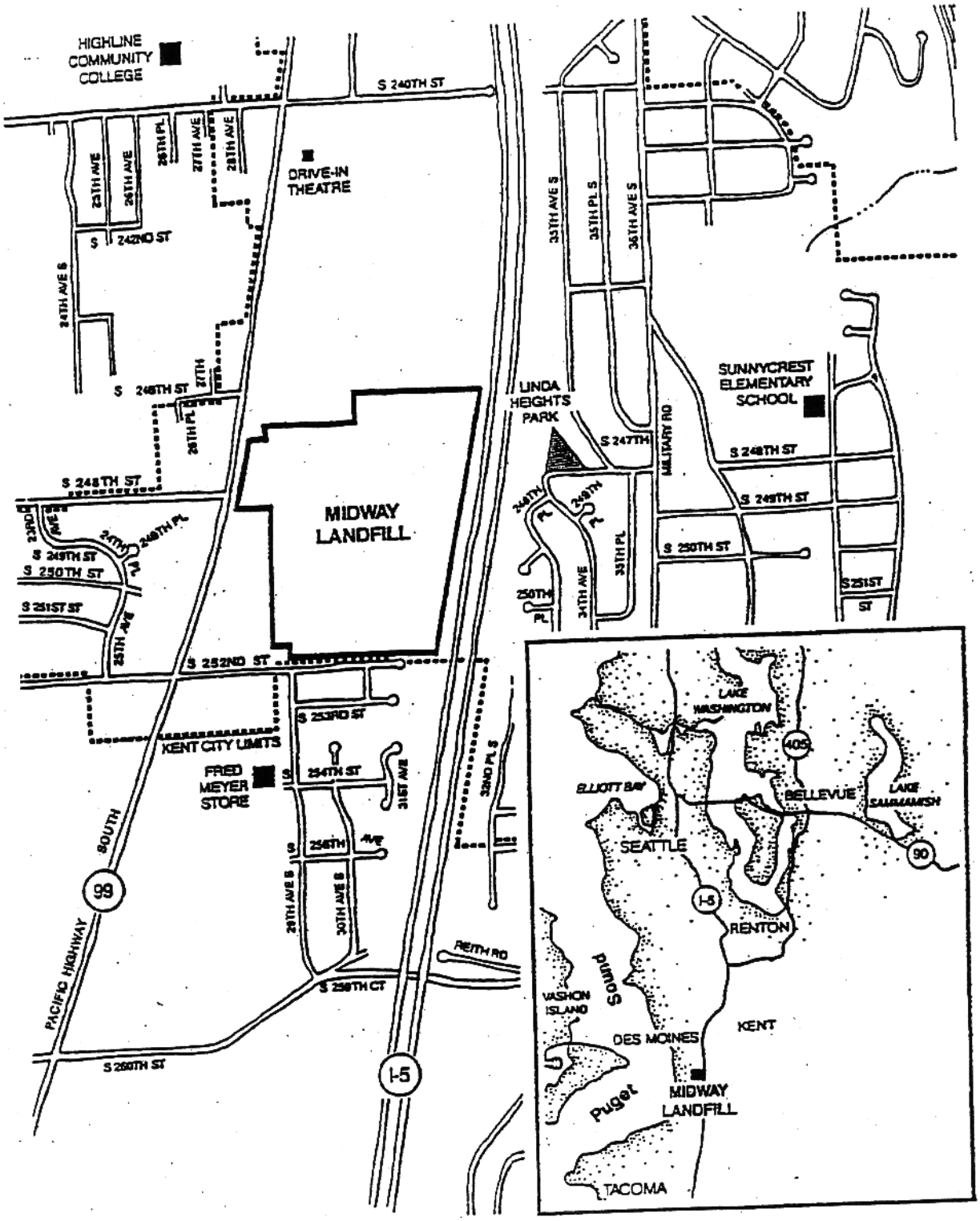


Parametrix Midway Landfill/555-1550-039/01(01AZ) 11/04 (B)

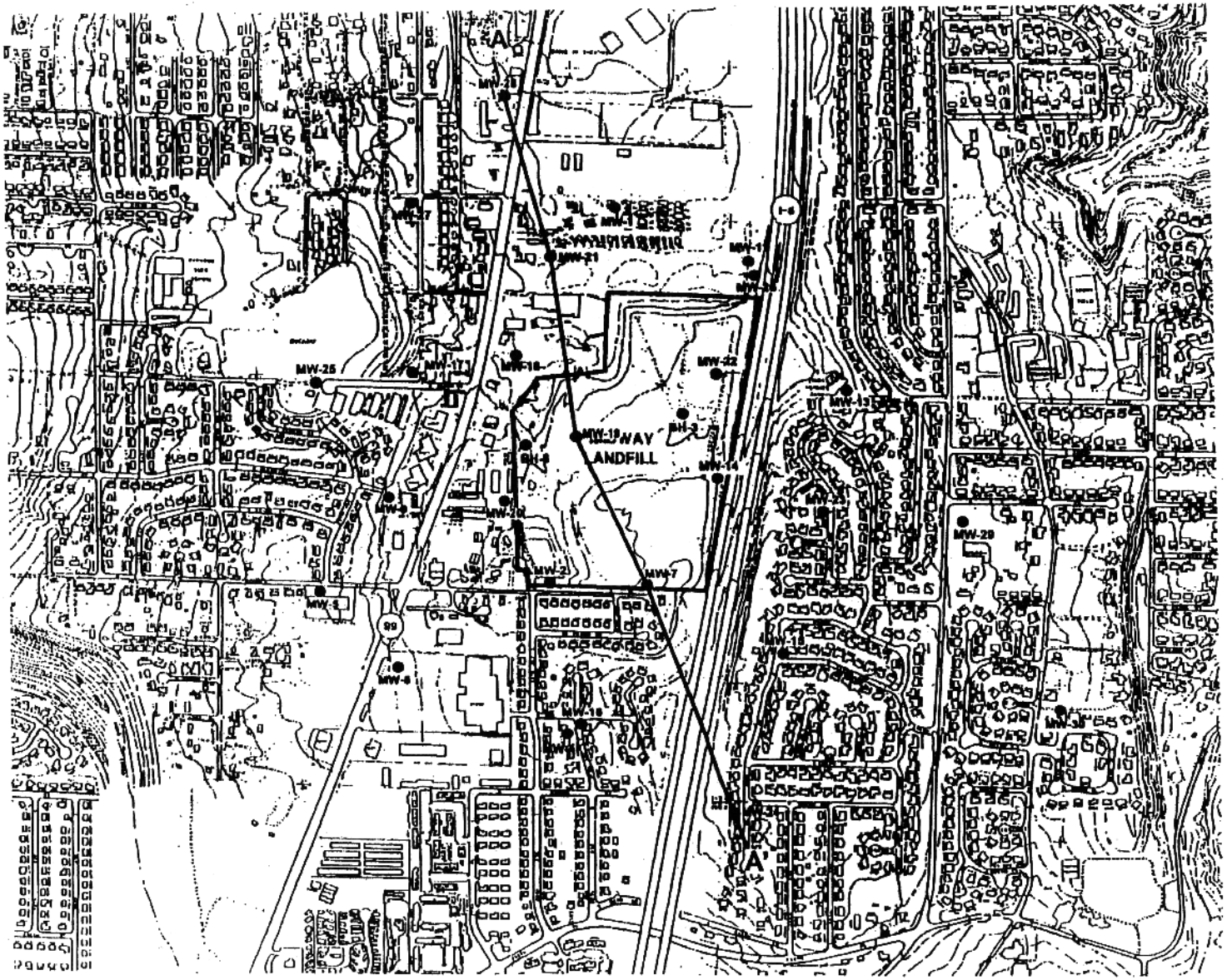
SCALE IN FEET

0 50 100

N

Figure 1
Site Location Map
Midway Landfill
Kent, Washington

Source: Parametrix, 2005b.



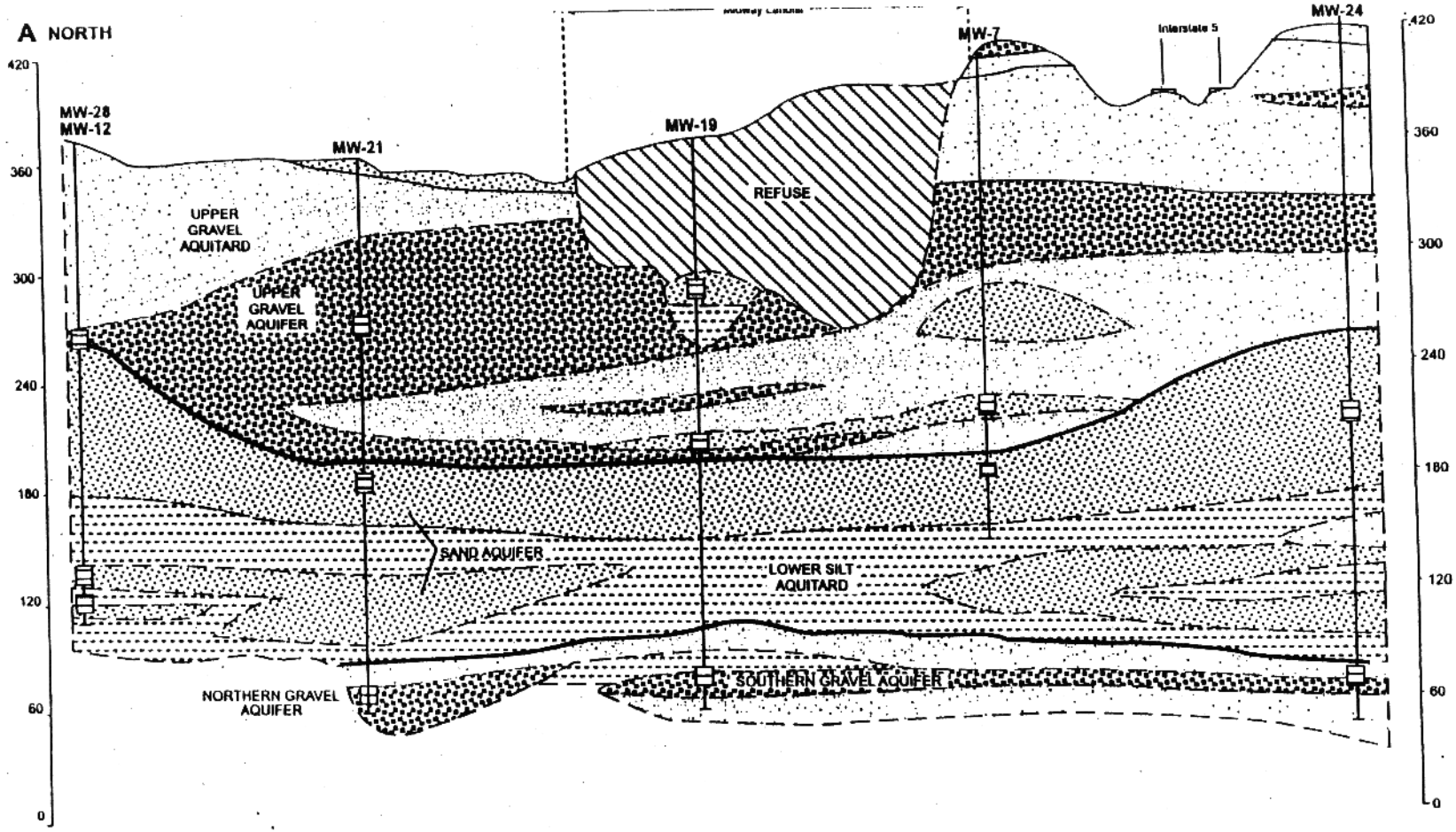
Source: Parametrix, 2005b

Figure 2
Line of Geologic Section Map
Midway Landfill
Kent, Washington

Base Map Source: AGI (1990)a

SCALE IN FEET
0 300 600
N

Midway Landfill\565-1550 039 (01A2) 6/00 (K)



Midway/555-1550-037(04) 4/05 (K)

Source: Geology From AGI (1988)

MW-10 — Well number

Land surface

Approximate water elevation on 4/12/99 - 4/15/99

Screened interval

Major stratigraphic unit contact

Geologic contact

Base of boring

- Municipal landfill refuse
- Poorly sorted mixture of silt, sand, and gravel
- Sand and gravel
- Sand
- Silt, clay, and silty fine sand
- Organic sediments

HORIZONTAL SCALE IN FEET

0 200 400

NOTES: This cross section is a diagrammatic interpretation of sub-surface conditions based on interpolation and extrapolation between borings. Geologic and hydrologic conditions are substantially more complex than depicted.

Cross-Reference Number

Figure 3
Generalized Cross Section of Monitoring Units
Midway Landfill
Kent, Washington

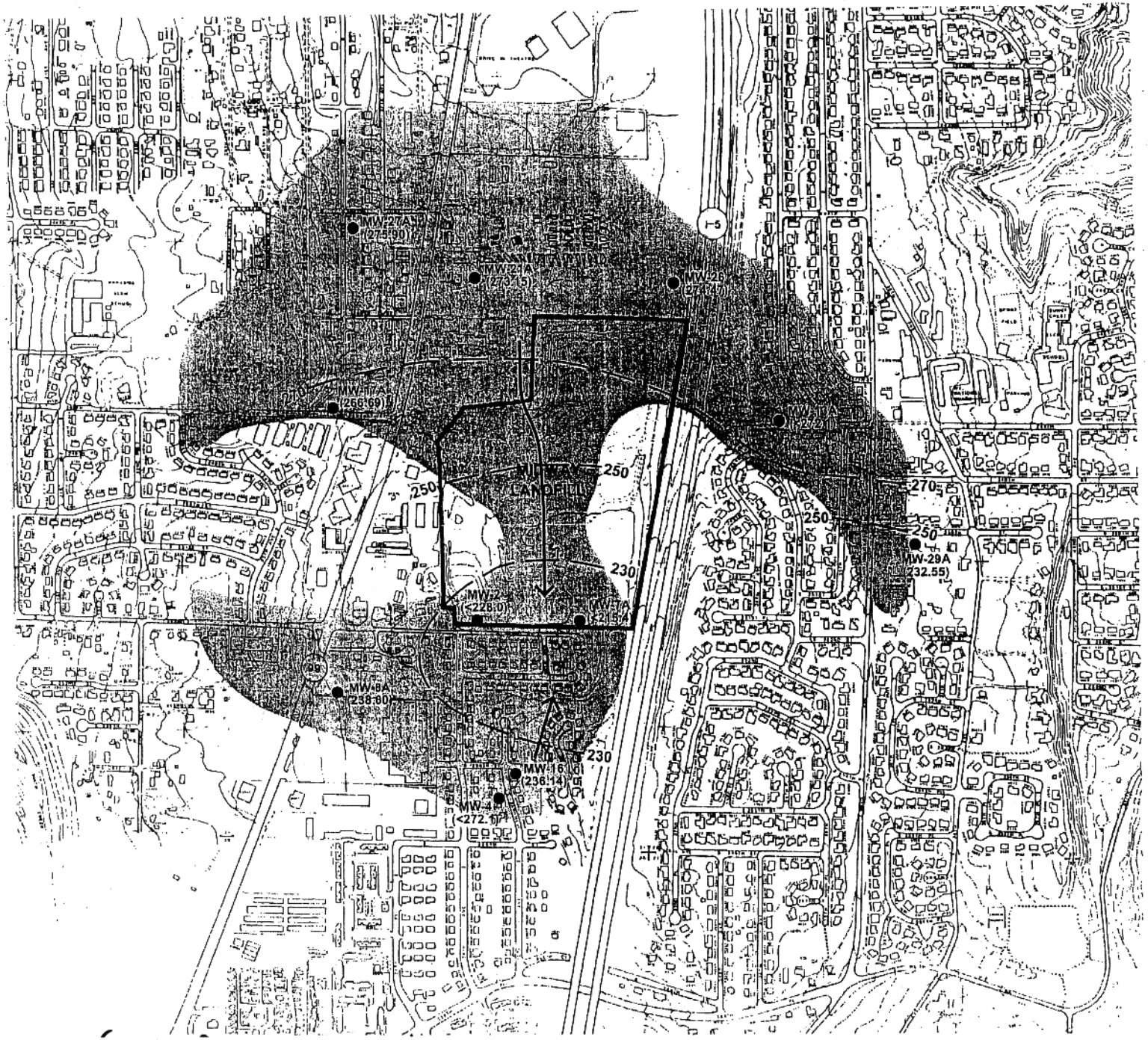


Figure 4
Generalized Upper Gravel Aquifer Potentiometric Surface Map, March 2005
Midway Landfill
Kent, Washington

MW-7A ●	Upper Gravel Aquifer Monitoring Well Number and Approximate Location
—260—	Approximate Potentiometric Surface Contour (in feet)
(195.0)	Measured Groundwater Elevation in Feet March 28-29, 2005
←	General Direction of Groundwater Flow
NM	Water Level Not Measured
(<188.7)	Well was Dry, Elevation is Elevation of Bottom of Well
	Inferred Extent of Upper Gravel Aquifer

Base Map Source: Supplemental Hydrogeologic and Hydrochemical Investigation, AGI 1990

SCALE IN FEET
0 300 600

N

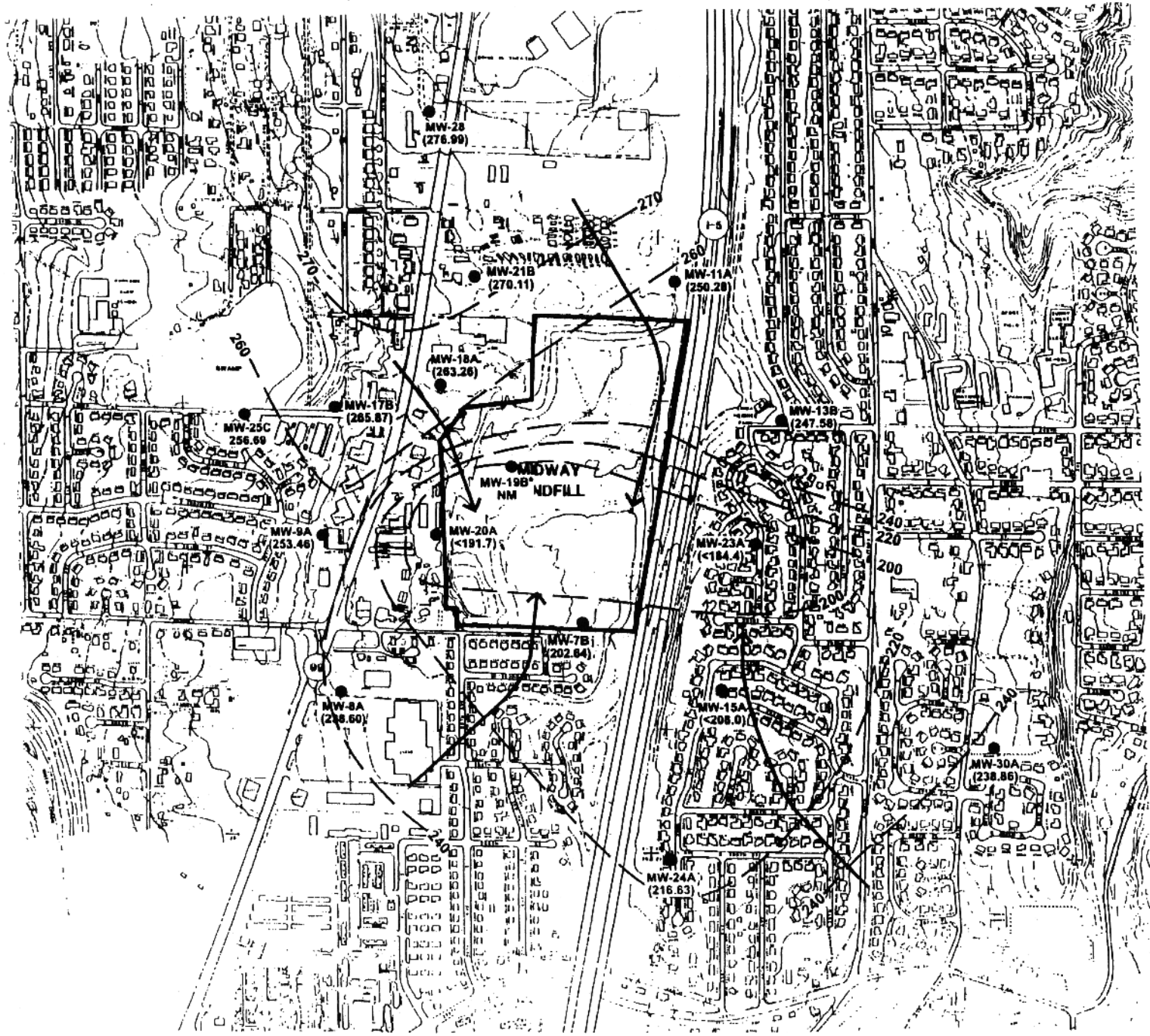


Figure 5
Generalized Sand Aquifer
Potentiometric Surface Map, March 2005
Midway Landfill
Kent, Washington

MW-11A ●	Sand Aquifer Monitoring Well Number and Approximate Location
—220—	Approximate Potentiometric Surface Contour (in feet)
(195.0)	Measured Groundwater Elevation in Feet March 28-29, 2005
←	General Direction of Groundwater Flow
NM	Water Level Not Measured
(<184.0)	Well was Dry, Elevation is Elevation of Bottom of Well
*	Although MW-19B is Used for Groundwater Chemistry Monitoring in the UGA, Water Elevations in this Well are Considered Representative of the SA

Source: Parametrix, 2005b

Base Map Source: Supplemental Hydrogeologic and Hydrochemical Investigation, AGI 1990

SCALE IN FEET
0 300 600

N

Parametrix, Inc. Midway Landfill\555-1550 04102(10) 4/05 (1)

Figure 6
Generalized Southern Gravel Aquifer Potentiometric Surface Map March 2005
Midway Landfill
Kent, Washington

MW-14B ● Southern Gravel Aquifer Monitoring Well Number and Approximate Location

—220— Approximate Potentiometric Surface Contour (in feet)

(195.0) Measured Groundwater Elevation in Feet March 28-29, 2005

← General Direction of Groundwater Flow

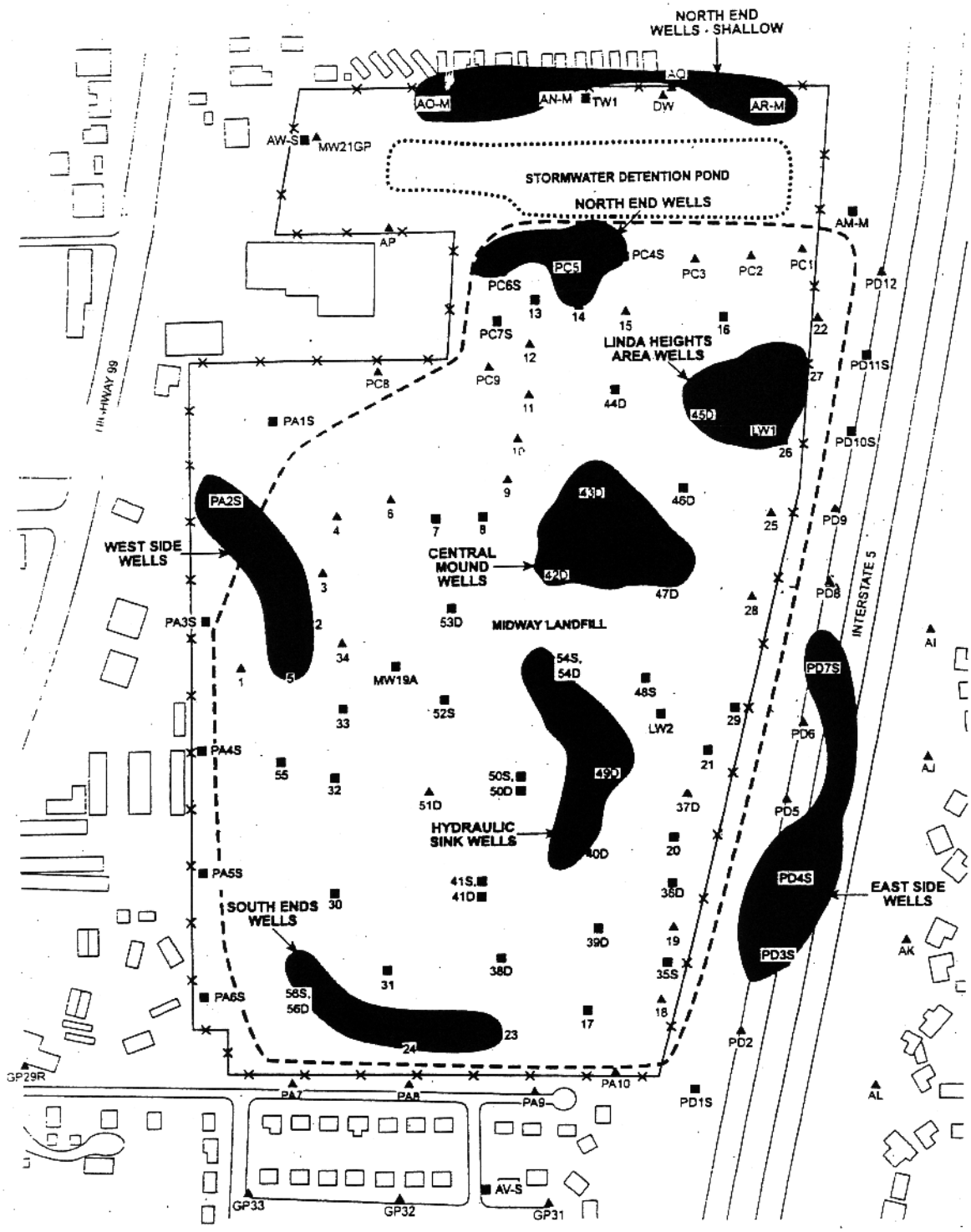
* Groundwater Level in These Wells Calculated Using Air Pressure Measurements at the Wellheads

Source: Parametrix, 2005b

Base Map Source: Supplemental Hydrogeologic and Hydrochemical Investigation, AGI 1990

SCALE IN FEET
0 300 600

N



Base Map Source: City of Seattle Department of Engineering
Midway Landfill Vicinity Map, 5-15-86

Parametrix Midway/Groundwater Monitoring Plan\555-1550-041\02(10) 4/05 (B)

- 23 — Gas probe, gas extraction well, or groundwater monitoring well number and location. Included in monitoring network. Monitoring frequency twice per year.
- GP33 — Gas probe, gas extraction well, or groundwater monitoring well number and location. Not included in monitoring network.
- 17 — Gas probe, gas extration well, or groundwater monitoring well number and location. Included in monitoring network Monitoring frequency once every other year.
- Approximate limit of refuse
- Fenced site boundary

SCALE IN FEET
0 125 250

N

Figure 7
Shallow Groundwater/ Saturated Refuse Fluid Level Monitoring Network Midway Landfill Kent, Washington

Source: Parametrix, 2005b

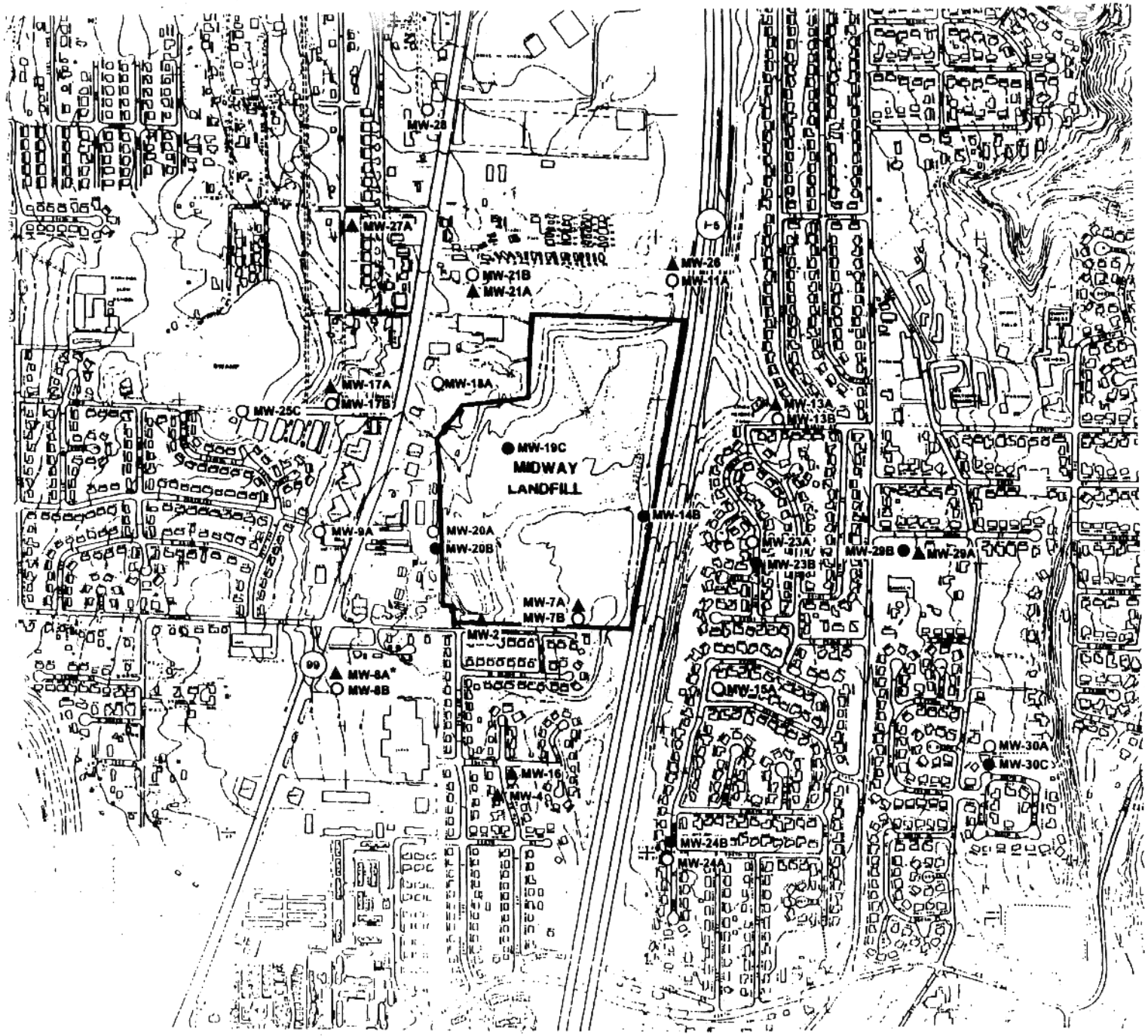


Figure 8
Upper Gravel Aquifer, Sand Aquifer and Southern Gravel Aquifer Fluid Level Monitoring Network
Midway Landfill
Kent, Washington

▲ Upper Gravel Aquifer Monitoring Well

○ Sand Aquifer Monitoring Well

● Southern Gravel Aquifer Monitoring Well

* MW-8A is screened at the contact between the UGA and SA. Fluid levels in this well are considered representative of the UGA and the SA.

Source: Parametrix, 2005b

Base Map Source: Supplemental Hydrogeologic and Hydrochemical Investigation, AGI 1990

SCALE IN FEET
0 300 600
N

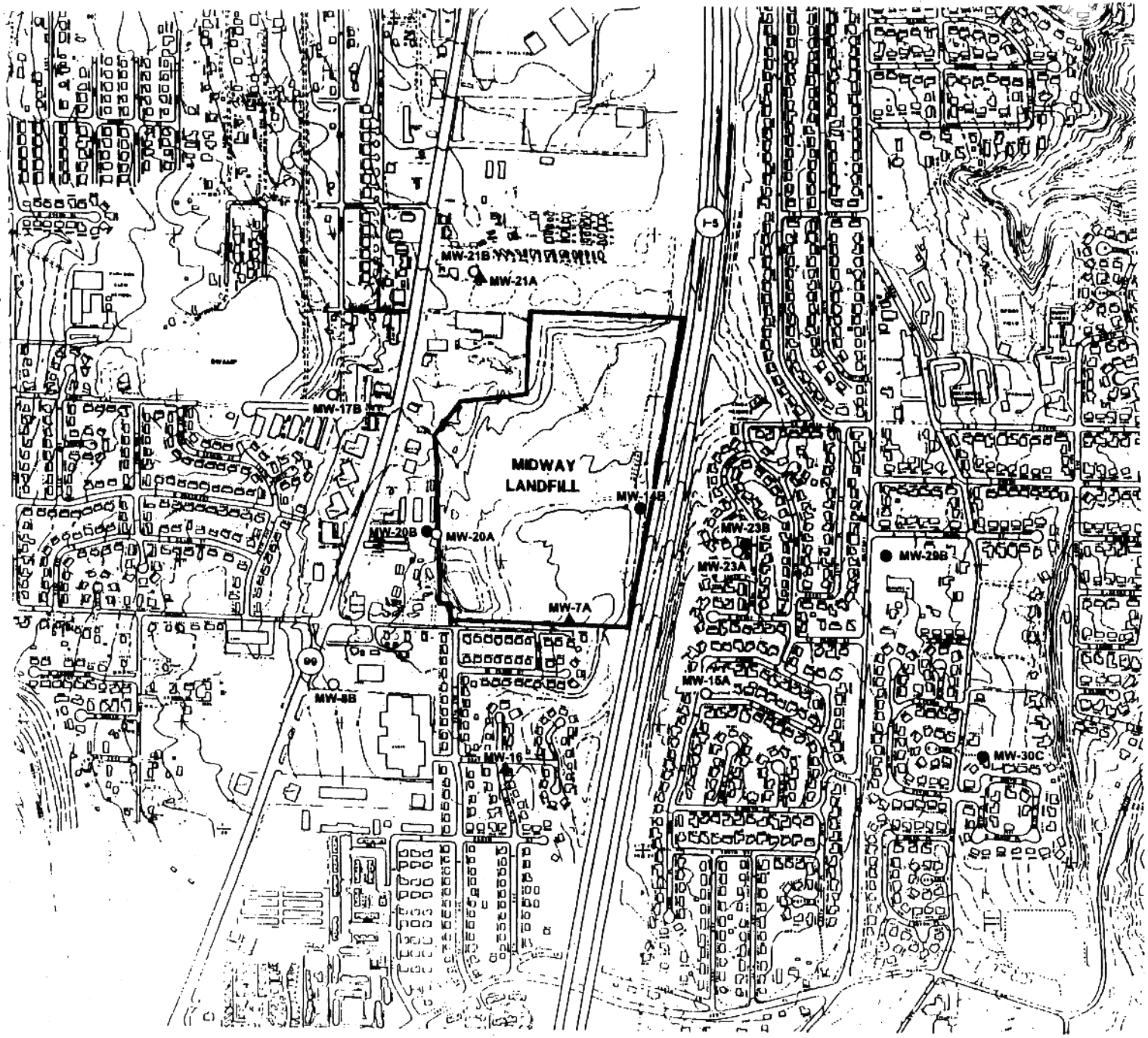


Figure 9
Well Locations for Groundwater Chemistry Monitoring
Midway Landfill
Kent, Washington

- **MW-16** ▲ Upper Gravel Aquifer Monitoring Well Number and Approximate Location
- **MW-17B** ○ Sand Aquifer Monitoring Well Number and Approximate Location
- **MW-14B** ● Southern Gravel Aquifer Monitoring Well Number and Approximate Location

Source: Parametrix, 2005b

Base Map Source: Supplemental Hydrogeologic and Hydrochemical Investigation, AGI, 1990

SCALE IN FEET
0 300 600

N