Drawn By: R. Olson | Date: 06/18/07 | Project No. 0020557.28

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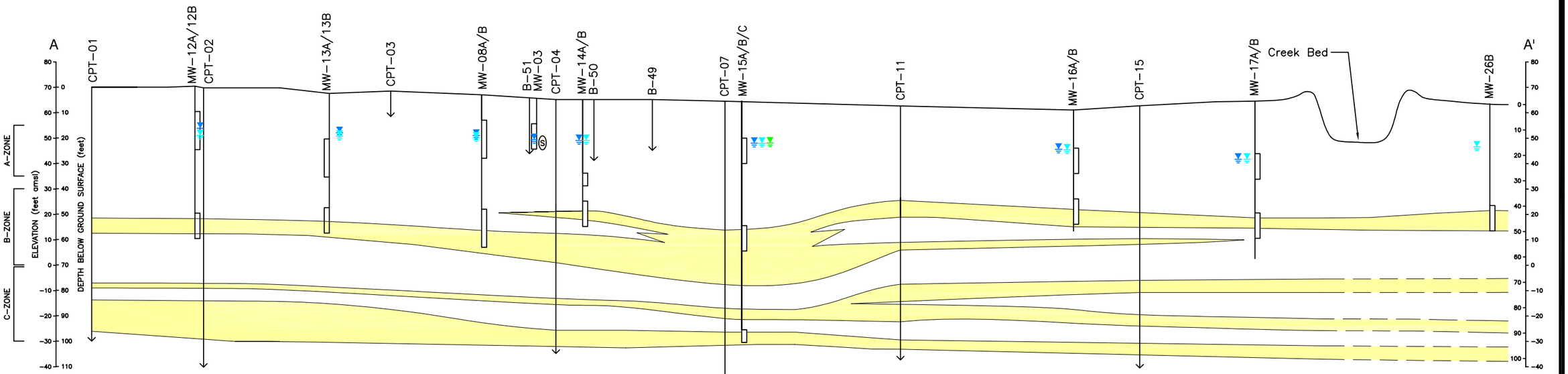

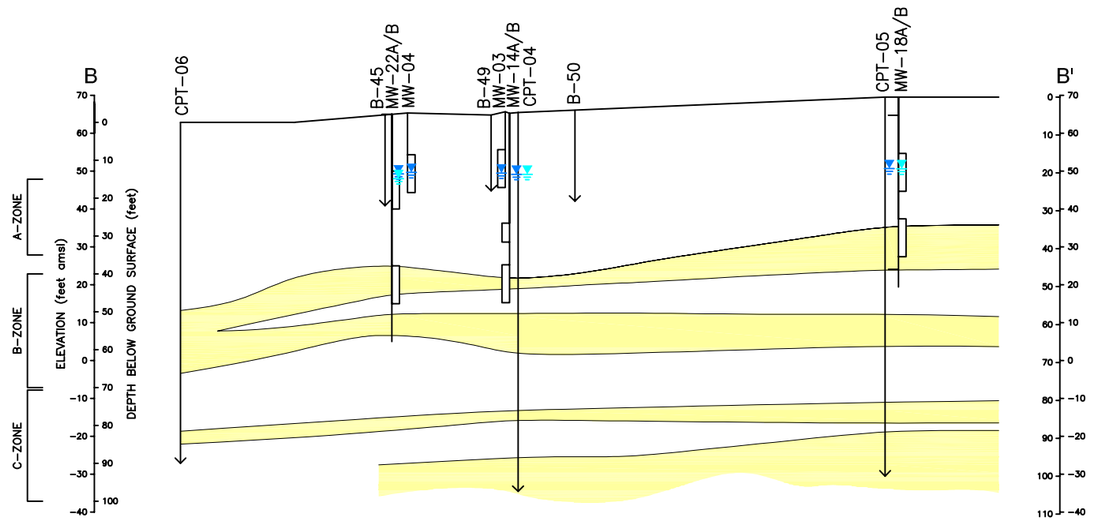

(Vertical Exaggeration = 10X)

VERTICAL SCALE IN FEET 1" = 40'

HORIZONTAL SCALE IN FEET 1" = 400'

CROSS SECTION LOCATION MAP

Legend

- Monitoring Well, A Zone
- Monitoring Well, B Zone
- Monitoring Well, C Zone
- CPT Ground Water Sample Location
- Shallow Hydropunch Location
- Sewer Pipe

A–Zone — A–Zone Aquifer; Generally 15–35 ft below ground surface

B–Zone — B–Zone Aquifer; Generally 40–70 ft below ground surface

C–Zone — C–Zone Aquifer; Generally 70–100 ft below ground surface

- A–Zone Ground Water Elevation (ft amsl)
- B–Zone Ground Water Elevation (ft amsl)
- C–Zone Ground Water Elevation (ft amsl)

Note: Water Levels measured on 19 April 2004.

MONITORING WELL — Screened Interval

HYDROPUNCH/CPT BORINGS

Coarse–Grained Deposits

Figure 1-3

Geological Cross Sections
Hookston Station
Pleasant Hill, California

ERM 06/07

CAD File:	Drawn By:	Date:	Project No.
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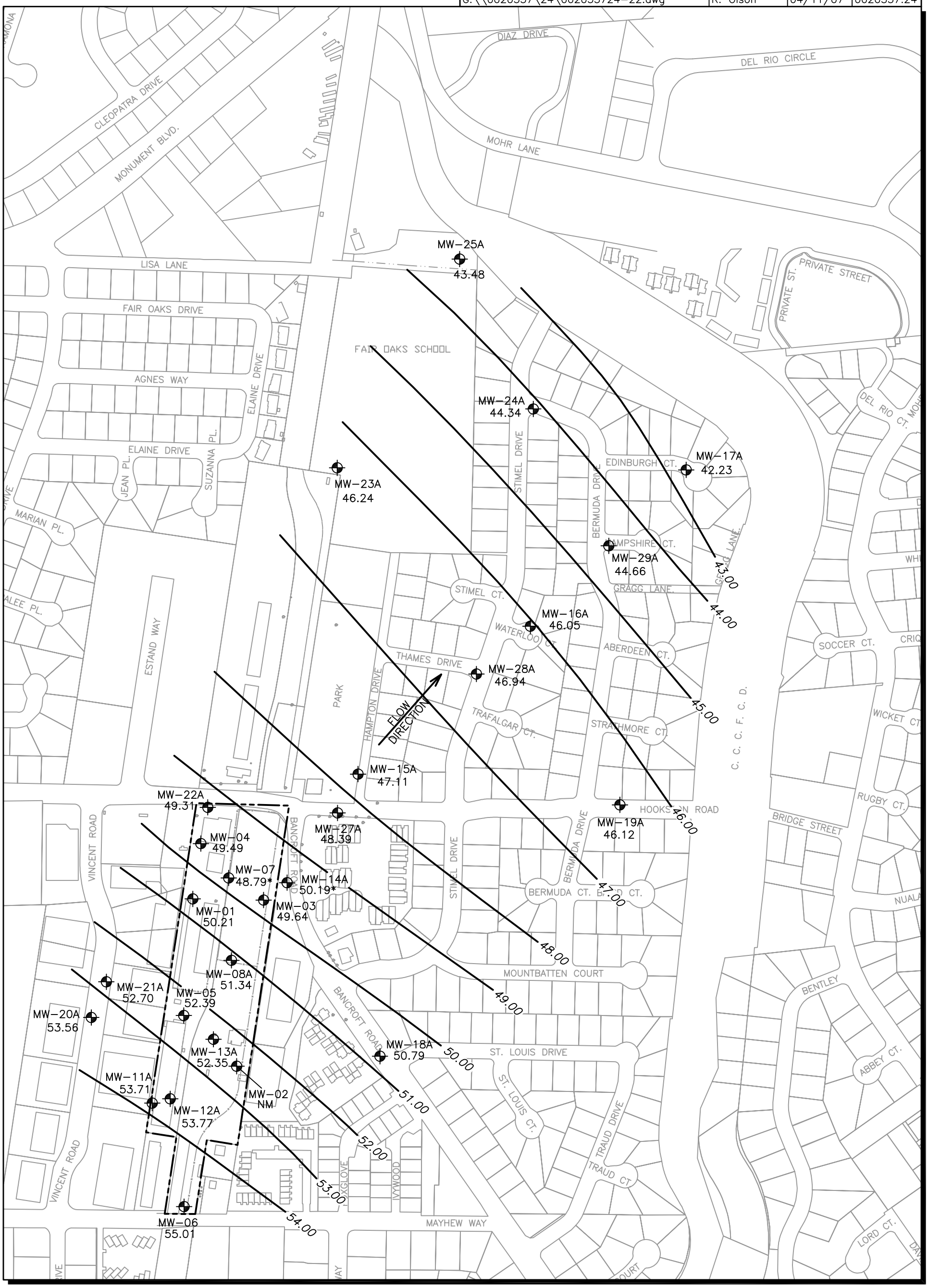


LEGEND

- A–Zone Monitoring Well
- Hookston Station Parcel Property Boundary
- 49.00 Ground Water Elevation Contour; 1.0 Foot Interval
- Ground Water Flow Direction
- * Not Used for Contouring
- NM Not Measured, Well is Inaccessible

N

0 300

FEET

Figure 1-4

Ground Water Elevation Map, A-Zone

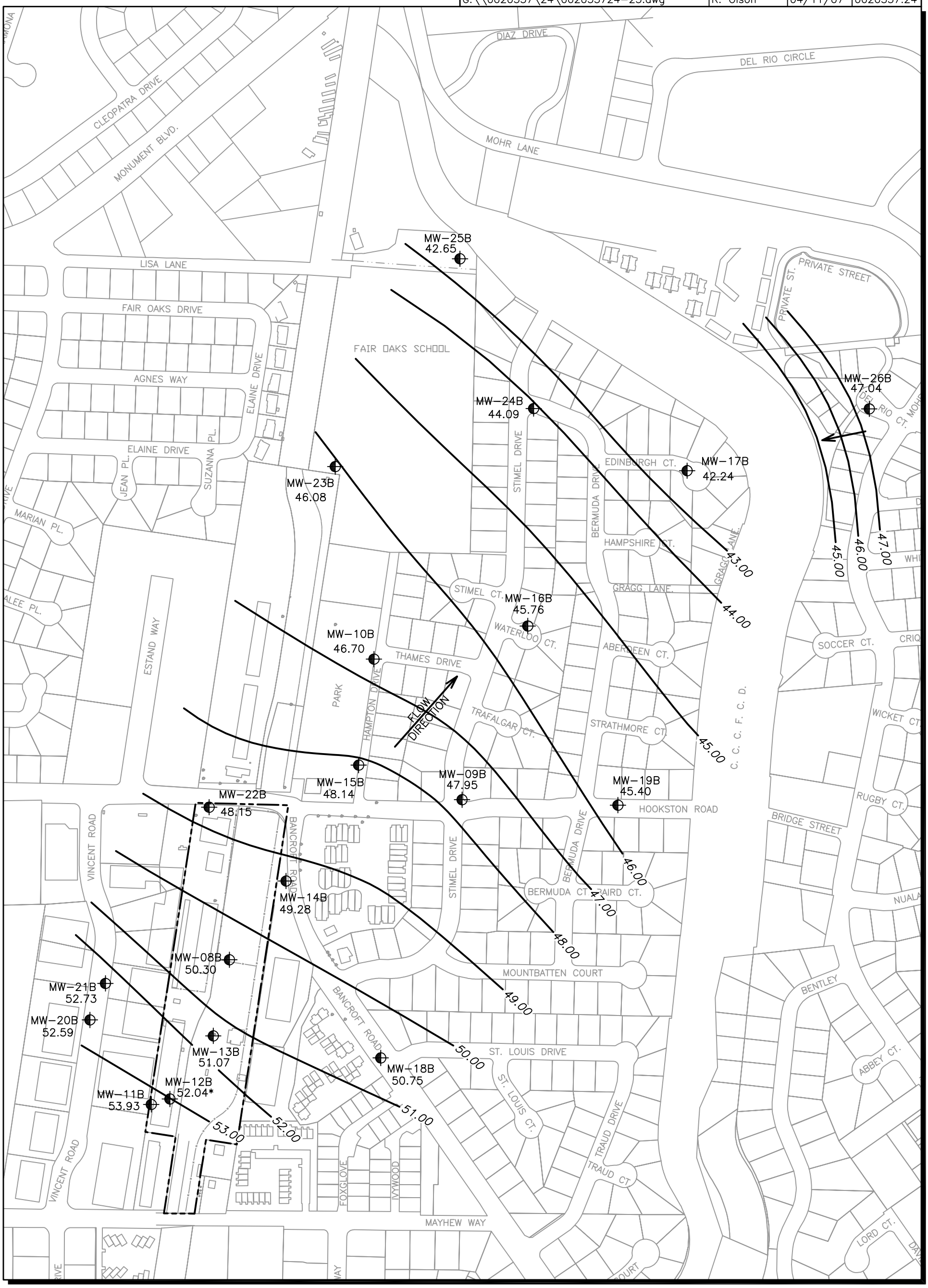
12 February 2007

Hookston Station

Pleasant Hill, California

ERM 04/07

CAD File:	Drawn By:	Date:	Project No.
G:\\0020557\24\002055724-23.dwg	R. Olson	04/11/07	0020557.24



LEGEND

- B–Zone Monitoring Well
- Hookston Station Parcel Property Boundary
- 49.00 Ground Water Elevation Contour; 1.0 Foot Interval
- Ground Water Flow Direction
- * Datum Not Used for Contouring

N

0 300

FEET

Figure 1-5

Ground Water Elevation Map, B-Zone

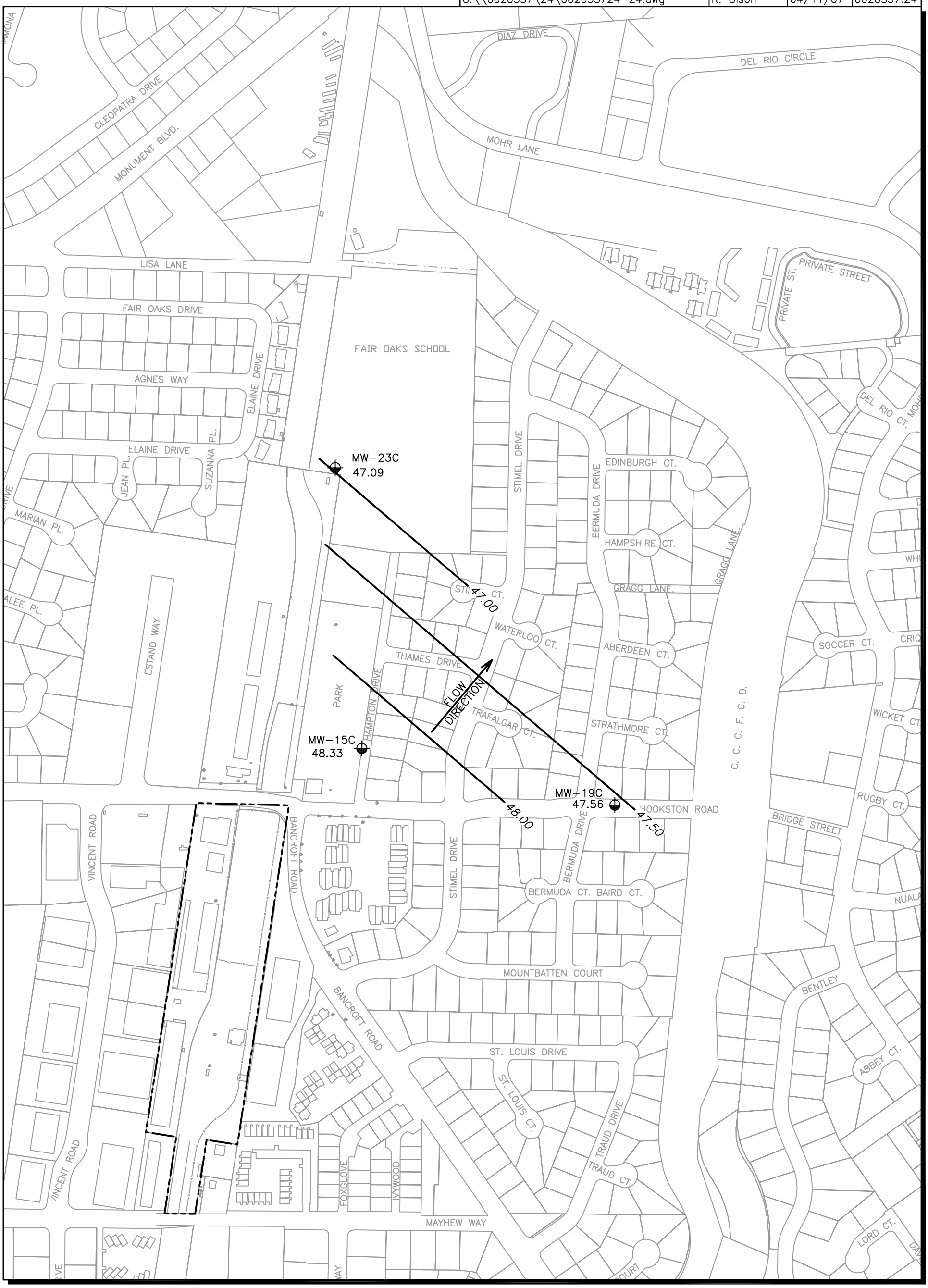
12 February 2007

Hookston Station

Pleasant Hill, California

ERM 04/07

CAD File:	Drawn By:	Date:	Project No.
G:\\0020557\24\002055724-24.dwg	R. Olson	04/11/07	0020557.24



LEGEND

- C–Zone Monitoring Well
- Hookston Station Parcel Property Boundary
- 48.00 Ground Water Elevation Contour; 0.5 Foot Interval
- Ground Water Flow Direction

N

0 300

FEET

Figure 1-6

Ground Water Elevation Map, C-Zone

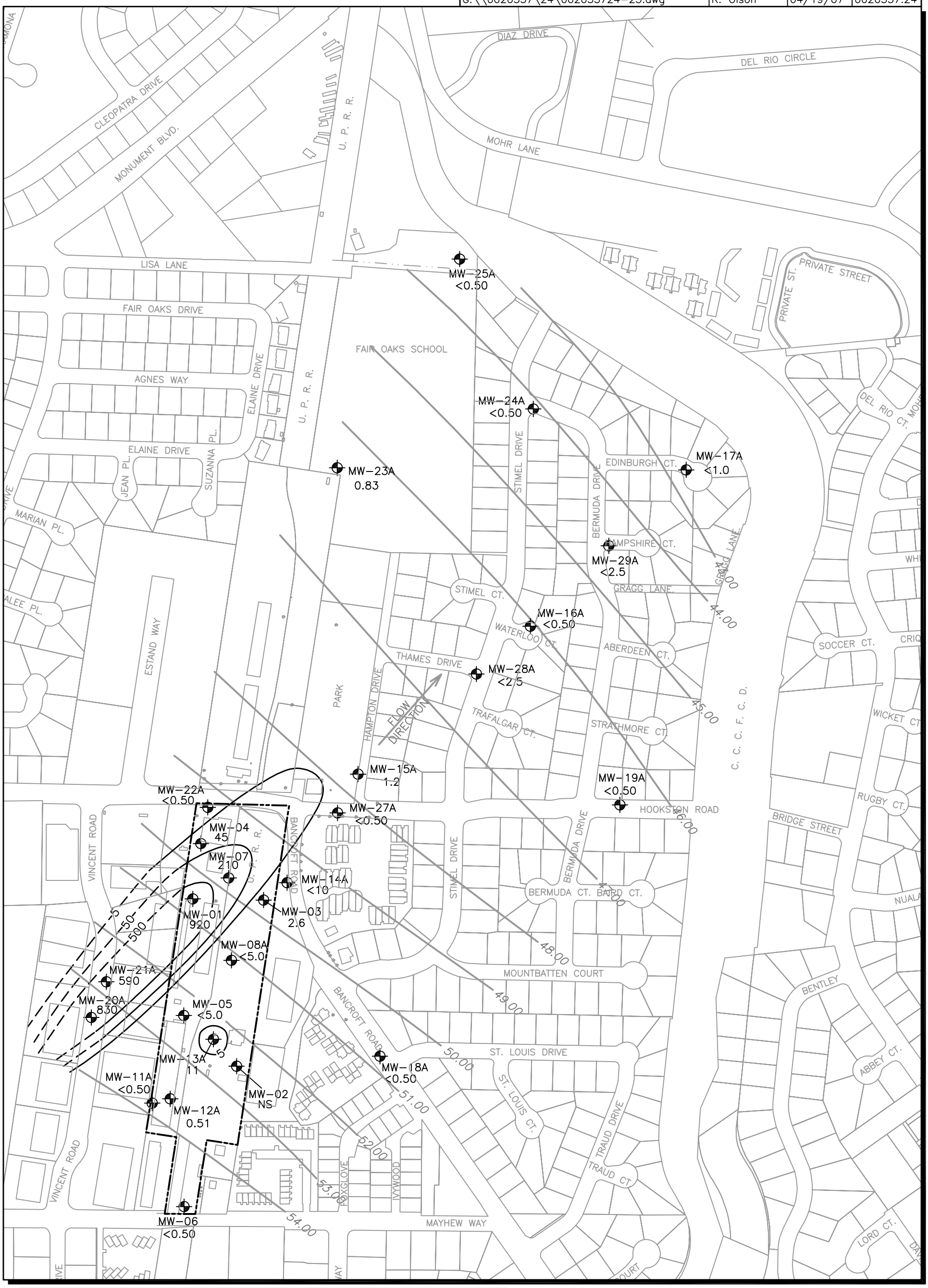
12 February 2007

Hookston Station

Pleasant Hill, California

ERM 04/07

CAD File:	Drawn By:	Date:	Project No.
G:\\0020557\24\002055724-25.dwg	R. Olson	04/19/07	0020557.24



LEGEND

- Monitoring Well Location
- 2.6 — PCE Concentration (µg/L)
- NS — Not Sampled
- 50 — PCE in Ground Water Contour, Solid Based on First Quarter 2007 Monitoring Well Data, Dashed Where Inferred from Historical Grab Ground Water Sampling or Investigation Data Collected at Nearby Properties by Others.
- 49.00 — Ground Water Elevation Contour, A–Zone, 12 February 2007 (feet above mean sea level)
- Hookston Station Parcel Property Boundary

PCE is not a chemical of concern for the Hookston Station site; therefore there is no Hookston Station ground water cleanup goal for PCE. The Maximum Contaminant Level for PCE in drinking water is 5 µg/L.

N

0 300

FEET

Figure 1-7

PCE Isoconcentration Map
A-Zone Ground Water
First Quarter 2007
Hookston Station
Pleasant Hill, California

ERM 04/07

CAD File:	Drawn By:	Date:	Project No.
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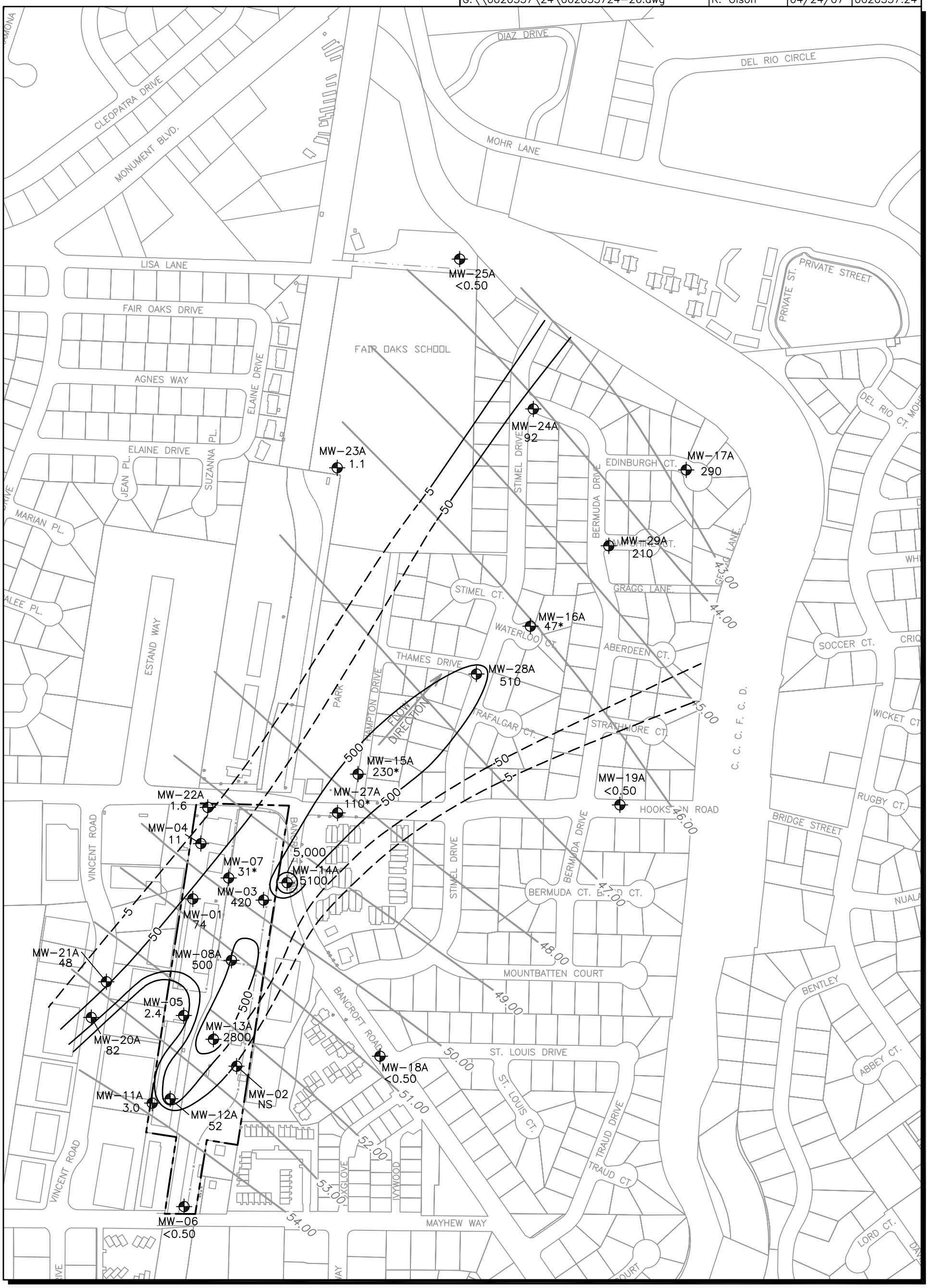


LEGEND

- Monitoring Well Location
- 82 — TCE Concentration (µg/L)
- NS — Not Sampled
- * — Datum Not Used for Contouring
- 50 ——— TCE in Ground Water Contour, Solid Based on First Quarter 2007 Monitoring Well Data, Dashed Where Inferred from Historical Grab Ground Water Sampling or Investigation Data Collected at Nearby Properties by Others.
- *49.00* ——— Ground Water Elevation Contour, A–Zone, 12 February 2007 (feet above mean sea level)
- ——— — — ——— Hookston Station Parcel Property Boundary

The Maximum Contaminant Level for TCE in drinking water and Hookston Station TCE ground water cleanup goal is 5 µg/L.

N

0 300

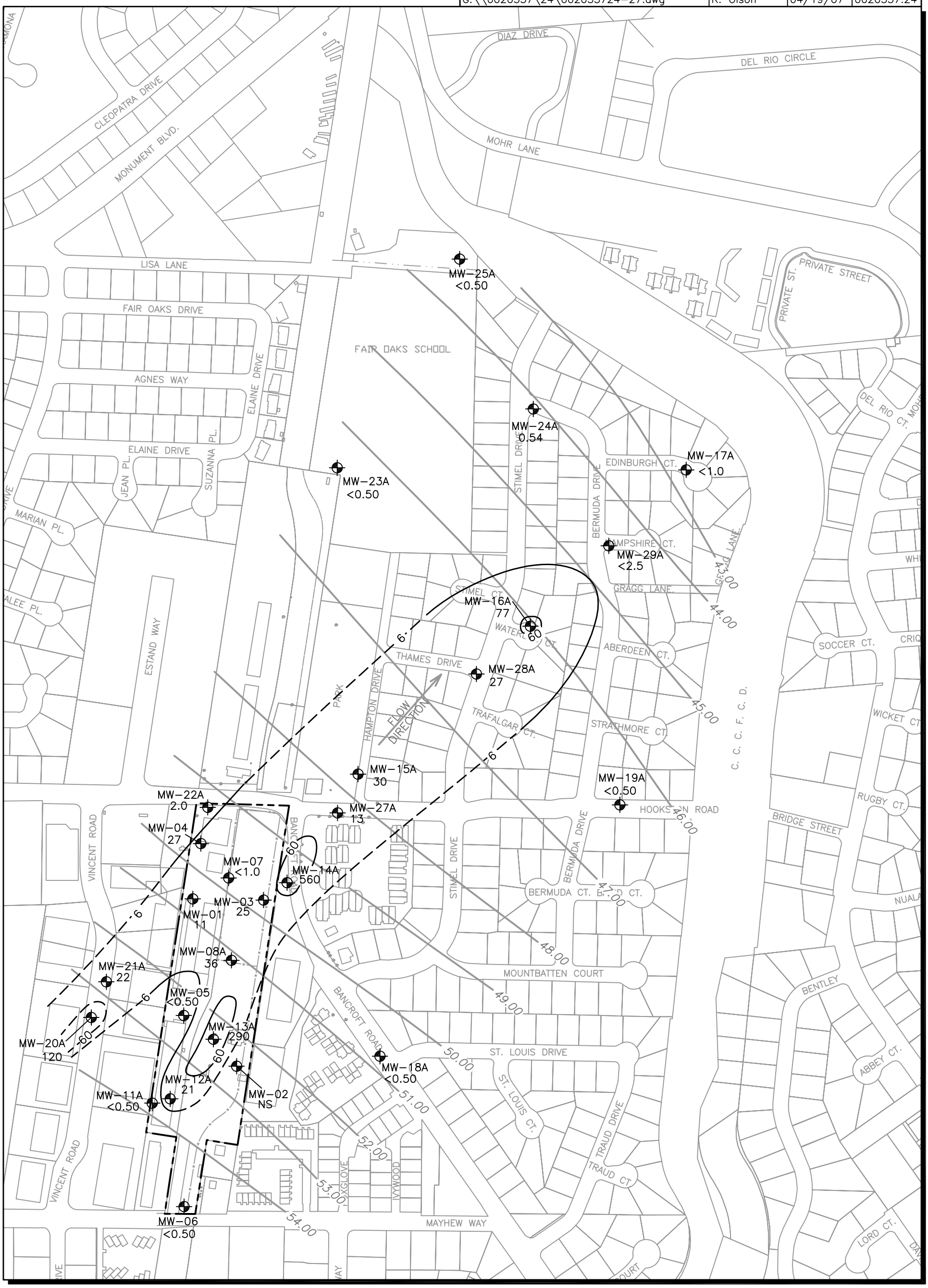
FEET

Figure 1-8

TCE Isoconcentration Map
A-Zone Ground Water
First Quarter 2007
Hookston Station
Pleasant Hill, California

ERM *04/07*

CAD File:	Drawn By:	Date:	Project No.
G:\\0020557\24\002055724-27.dwg	R. Olson	04/19/07	0020557.24



LEGEND

⊕	Monitoring Well Location
22	cis-1,2-DCE Concentration (µg/L)
NS	Not Sampled
60	cis-1,2-DCE in Ground Water Contour, Solid Based on First Quarter 2007 Monitoring Well Data, Dashed Where Inferred from Historical Grab Ground Water Sampling or Investigation Data Collected at Nearby Properties by Others.
49.00	Ground Water Elevation Contour, A-Zone, 12 February 2007 (feet above mean sea level)
	Hookston Station Parcel Property Boundary

The Maximum Contaminant Level for cis-1,2-DCE in drinking water and Hookston Station ground water cleanup goal for cis-1,2-DCE is 6 µg/L.

N

0 300

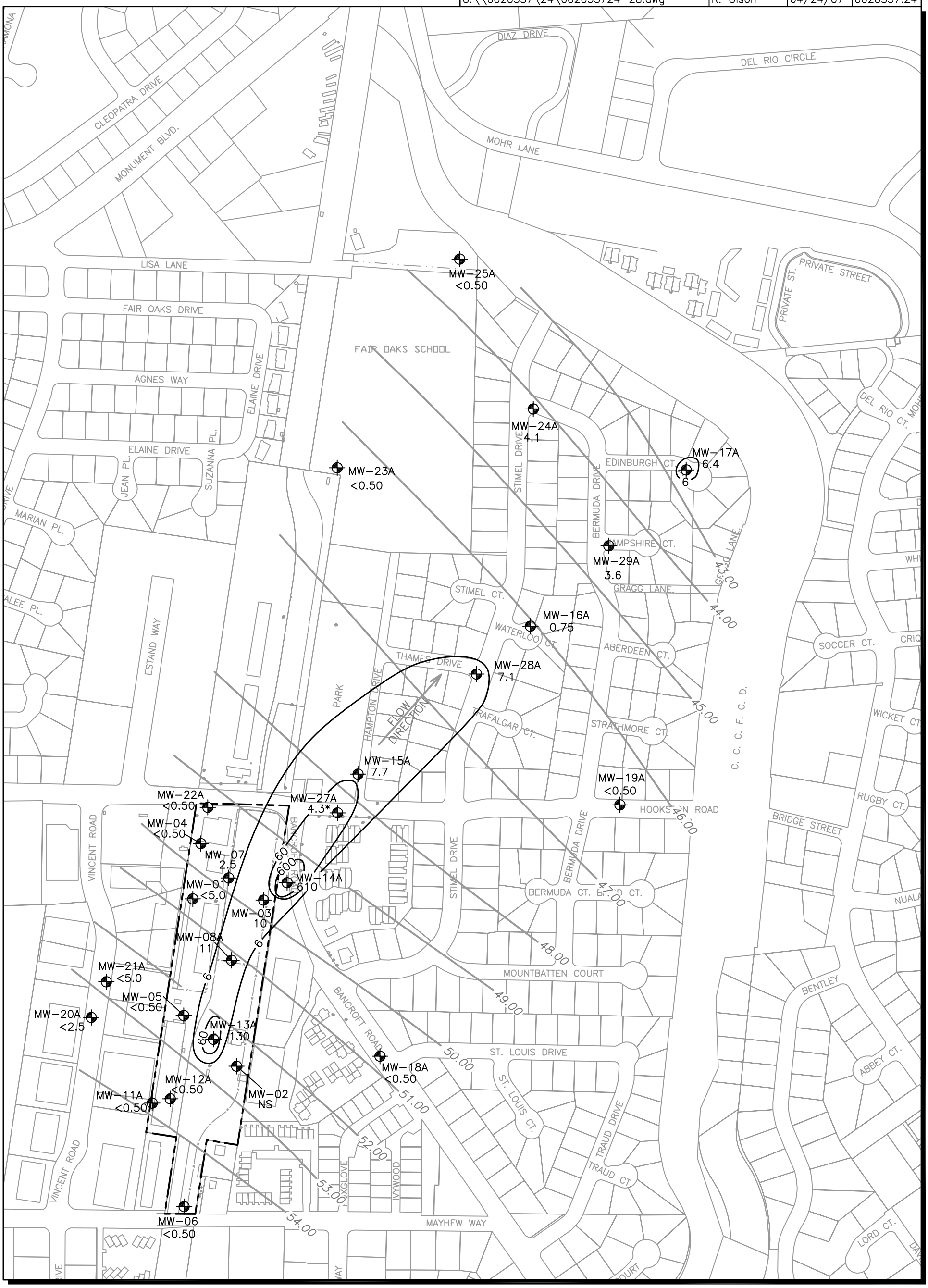
FEET

Figure 1-9

cis-1,2-DCE Isoconcentration Map
A-Zone Ground Water
First Quarter 2007
Hookston Station
Pleasant Hill, California

ERM 04/07

CAD File:	Drawn By:	Date:	Project No.
G:\\0020557\24\002055724-28.dwg	R. Olson	04/24/07	0020557.24



LEGEND

- Monitoring Well Location
- 11 — 1,1-DCE Concentration (µg/L)
- * — Not Used for Contouring
- NS — Not Sampled
- 60 ——— 1,1-DCE in Ground Water Contour, Solid Based on First Quarter 2007 Monitoring Well Data, Dashed Where Inferred from Historical Grab Ground Water Sampling or Investigation Data Collected at Nearby Properties by Others.
- 49.00 ——— Ground Water Elevation Contour, A-Zone, 12 February 2007 (feet above mean sea level)
- ——— Hookston Station Parcel Property Boundary

The Maximum Contaminant Level for 1,1-DCE in drinking water and Hookston Station ground water cleanup goal for 1,1-DCE is 6 µg/L.

N

0 300

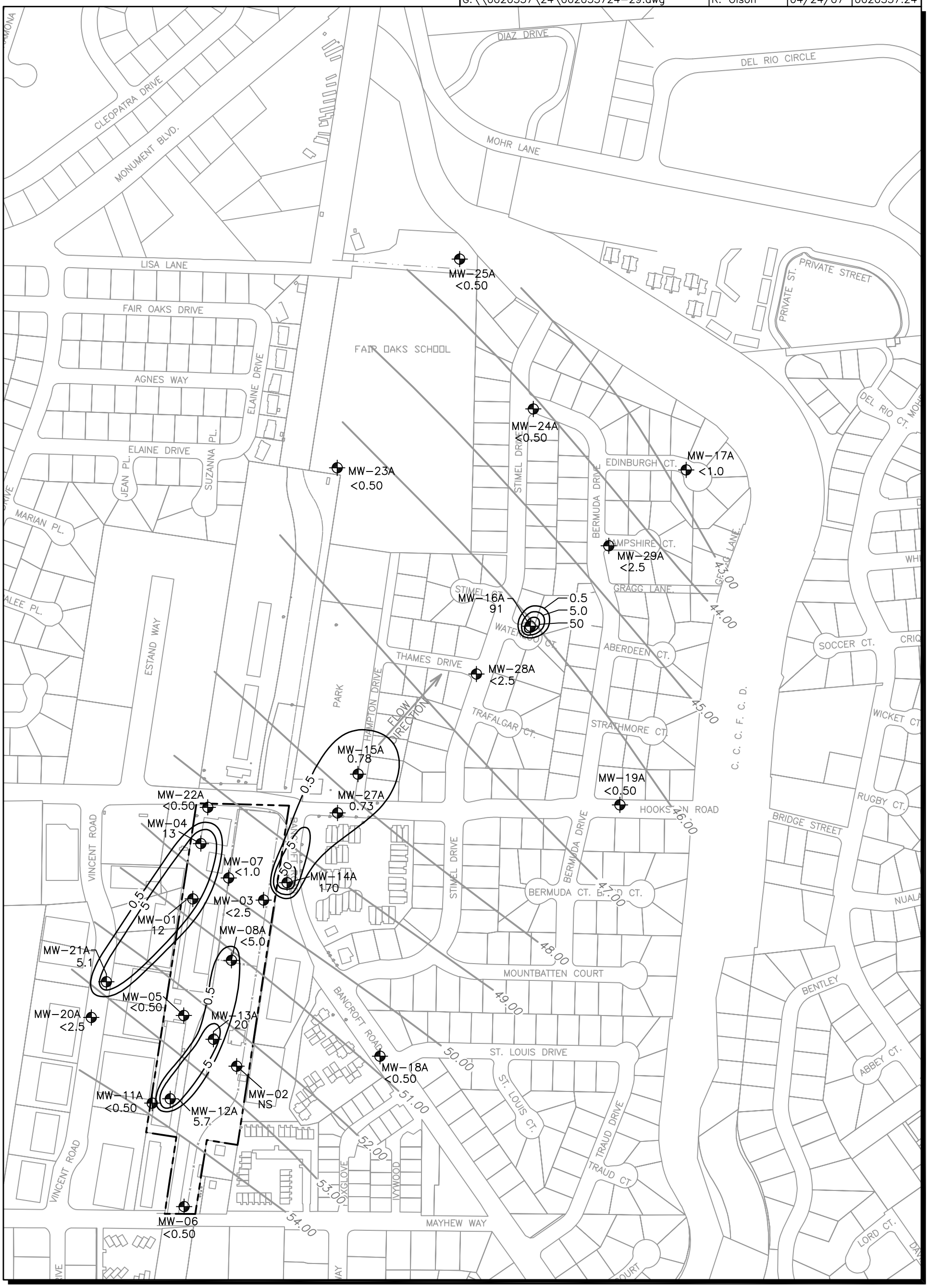
FEET

Figure 1-10

1,1-DCE Isoconcentration Map
A-Zone Ground Water
First Quarter 2007
Hookston Station
Pleasant Hill, California

ERM 04/07

CAD File:	Drawn By:	Date:	Project No.
G:\\0020557\24\002055724-29.dwg	R. Olson	04/24/07	0020557.24



LEGEND

- Monitoring Well Location
- 12 — Vinyl Chloride Concentration (µg/L)
- NS — Not Sampled
- 5 ——— Vinyl Chloride in Ground Water Contour, Solid Based on First Quarter 2007 Monitoring Well Data, Dashed Where Inferred from Historical Grab Ground Water Sampling or Investigation Data Collected at Nearby Properties by Others.
- *49.00* ——— Ground Water Elevation Contour, A–Zone, 12 February 2007 (feet above mean sea level)
- Hookston Station Parcel Property Boundary

The Maximum Contaminant Level for Vinyl Chloride in drinking water and Hookston Station ground water cleanup goal for Vinyl Chloride is 0.5 µg/L.

N

0 300

FEET

Figure 1-11

Vinyl Chloride Isoconcentration Map
A-Zone Ground Water
First Quarter 2007
Hookston Station
Pleasant Hill, California

ERM *04/07*