

Legend

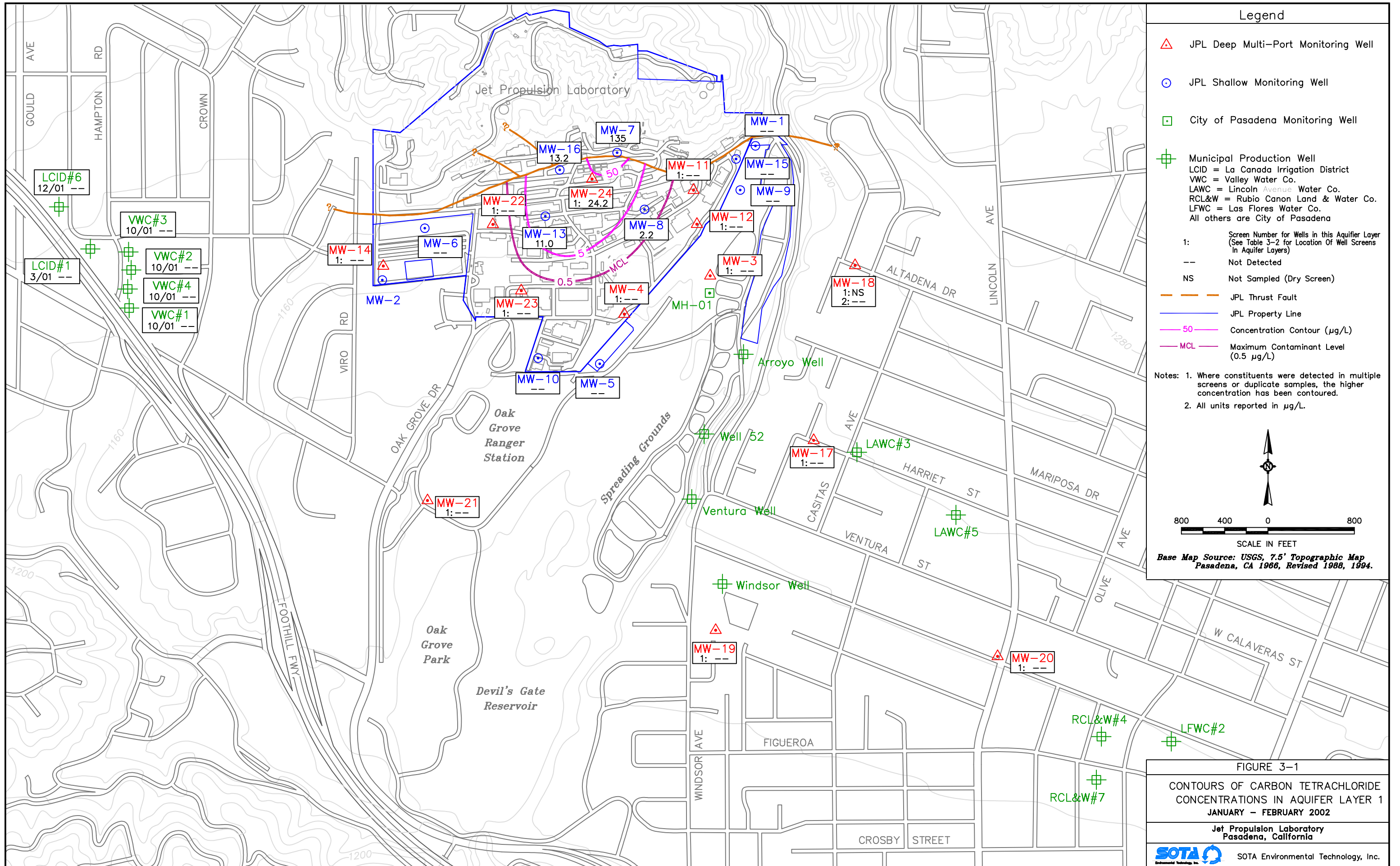
- ▲ JPL Deep Multi-Port Monitoring Well
- JPL Shallow Monitoring Well
- City of Pasadena Monitoring Well
- ⊕ Municipal Production Well
 LCID = La Canada Irrigation District
 VWC = Valley Water Co.
 LAW = Lincoln Avenue Water Co.
 RCL&W = Rubio Canon Land & Water Co.
 LFWC = Las Flores Water Co.
 All others are City of Pasadena

— JPL Property Line

800 400 0 800
 SCALE IN FEET
 Base Map Source: USGS, 7.5' Topographic Map
 Pasadena, CA 1986, Revised 1988, 1994.

FIGURE 1-1
LOCATIONS OF JPL GROUNDWATER MONITORING WELLS AND NEARBY MUNICIPAL PRODUCTION WELLS
 Jet Propulsion Laboratory
 Pasadena, California

SOTA Environmental Technology, Inc.



Legend

- JPL Deep Multi-Port Monitoring Well
- JPL Shallow Monitoring Well
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- Municipal Production Well
 LCID = La Canada Irrigation District
 VWC = Valley Water Co.
 LAWC = Lincoln Avenue Water Co.
 RCL&W = Rubio Canon Land & Water Co.
 LFWC = Las Flores Water Co.
 All others are City of Pasadena
- 1: Screen Number for Wells in this Aquifer Layer (See Table 3-2 for Location Of Well Screens In Aquifer Layers)
- Not Detected
- NS Not Sampled (Dry Screen)
- JPL Thrust Fault
- JPL Property Line
- 50 Concentration Contour (µg/L)
- MCL Maximum Contaminant Level (0.5 µg/L)

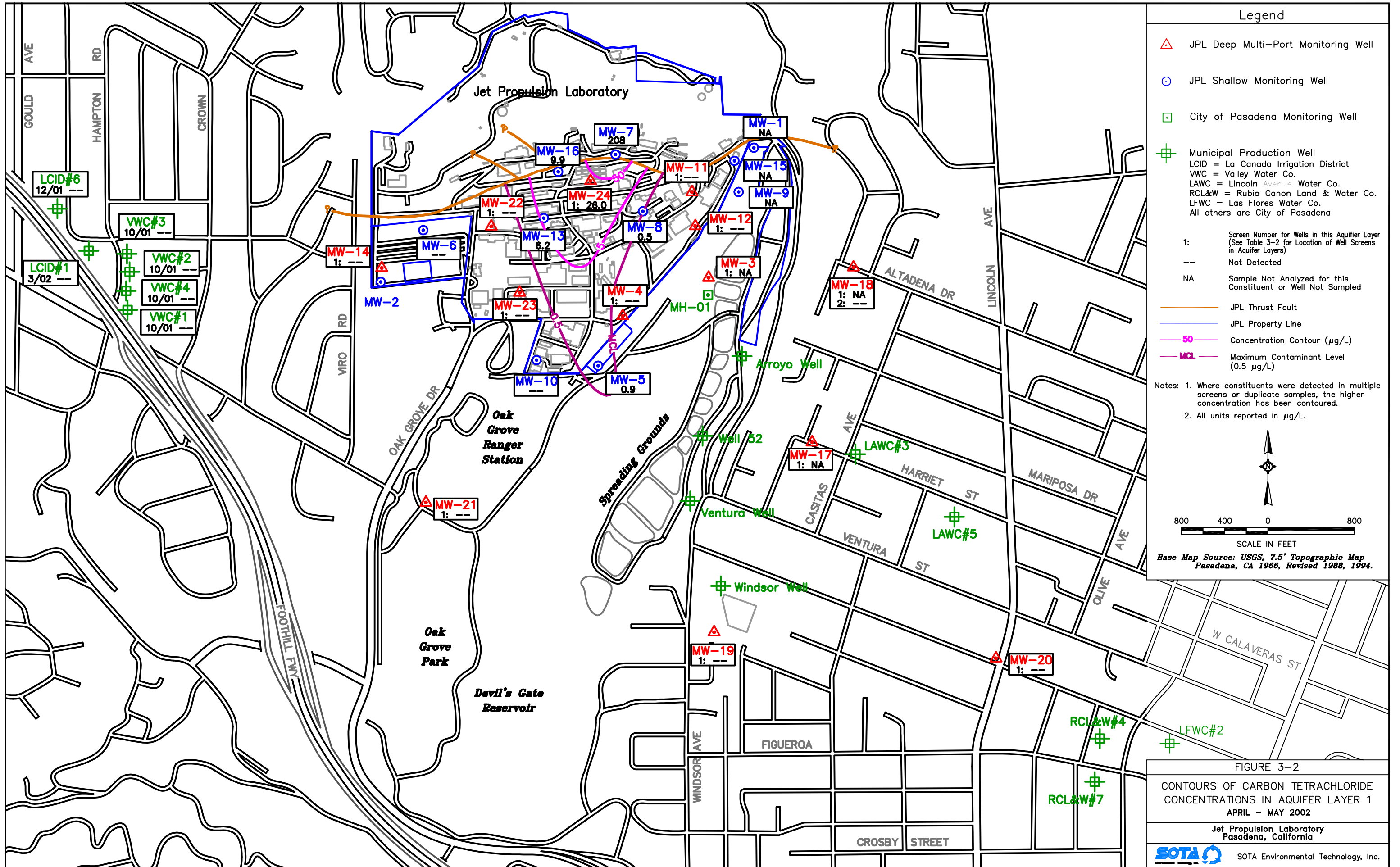
Notes: 1. Where constituents were detected in multiple screens or duplicate samples, the higher concentration has been contoured.
 2. All units reported in µg/L.

800 400 0 800
 SCALE IN FEET
 Base Map Source: USGS, 7.5' Topographic Map Pasadena, CA 1966, Revised 1988, 1994.

FIGURE 3-1
 CONTOURS OF CARBON TETRACHLORIDE
 CONCENTRATIONS IN AQUIFER LAYER 1
 JANUARY - FEBRUARY 2002

Jet Propulsion Laboratory
 Pasadena, California

SOTA Environmental Technology, Inc.



Legend

- ▲ JPL Deep Multi-Port Monitoring Well
- JPL Shallow Monitoring Well
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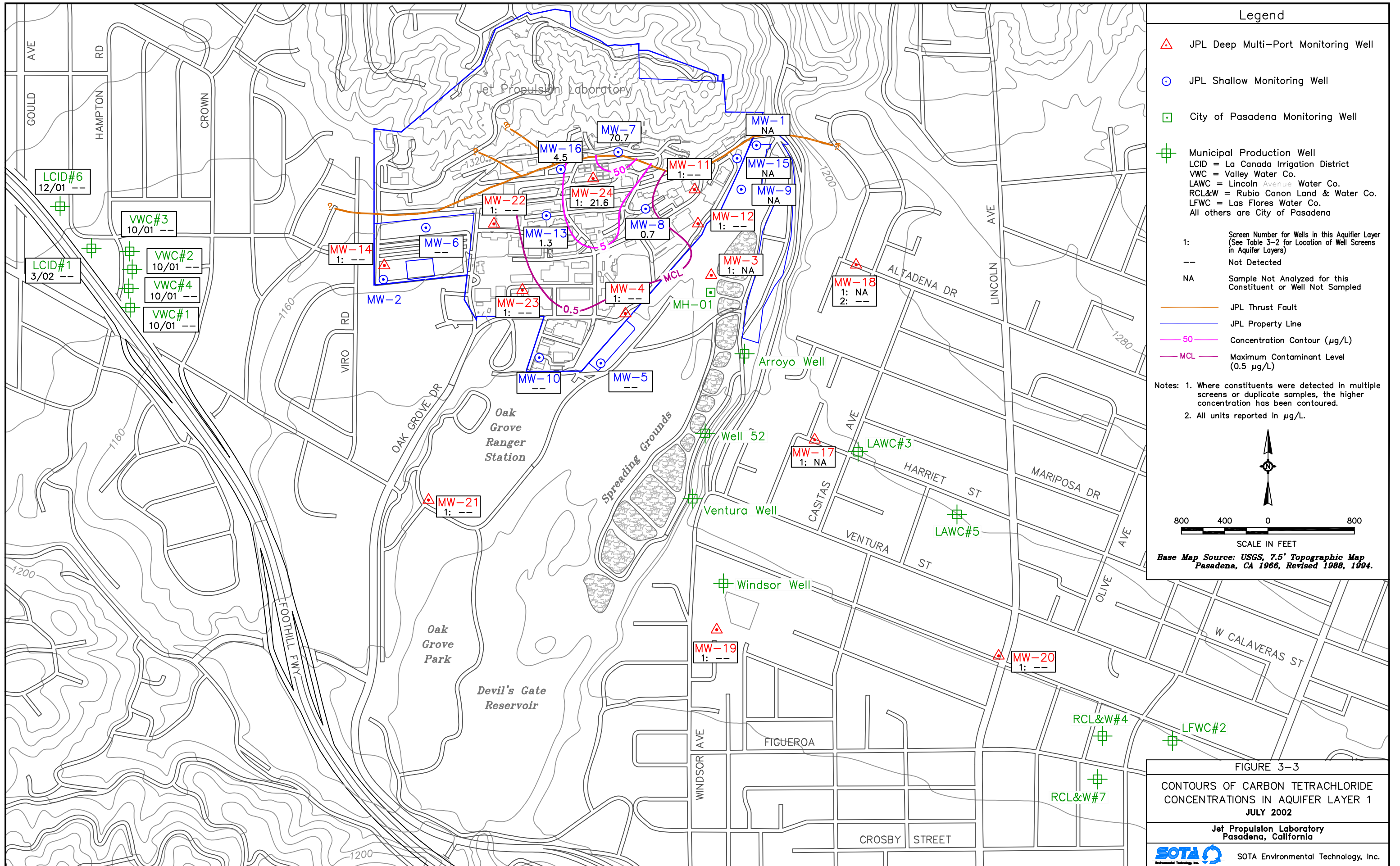
1: Screen Number for Wells in this Aquifer Layer (See Table 3-2 for Location of Well Screens in Aquifer Layers)
 -- Not Detected
 NA Sample Not Analyzed for this Constituent or Well Not Sampled

- JPL Thrust Fault
- JPL Property Line
- 50 Concentration Contour (µg/L)
- MCL Maximum Contaminant Level (0.5 µg/L)

Notes: 1. Where constituents were detected in multiple screens or duplicate samples, the higher concentration has been contoured.
 2. All units reported in µg/L.

800 400 0 800
 SCALE IN FEET
 Base Map Source: USGS, 7.5' Topographic Map Pasadena, CA 1966, Revised 1988, 1994.

FIGURE 3-2
 CONTOURS OF CARBON TETRACHLORIDE CONCENTRATIONS IN AQUIFER LAYER 1
 APRIL - MAY 2002
 Jet Propulsion Laboratory
 Pasadena, California
 SOTA Environmental Technology, Inc.




Legend

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 LFWC = Las Flores Water Co.
 All others are City of Pasadena

1: Screen Number for Wells in this Aquifer Layer (See Table 3-2 for Location of Well Screens in Aquifer Layers)
 -- Not Detected
 NA Sample Not Analyzed for this Constituent or Well Not Sampled

- JPL Thrust Fault
- JPL Property Line
- 50 Concentration Contour (µg/L)
- MCL Maximum Contaminant Level (0.5 µg/L)

Notes: 1. Where constituents were detected in multiple screens or duplicate samples, the higher concentration has been contoured.
 2. All units reported in µg/L.




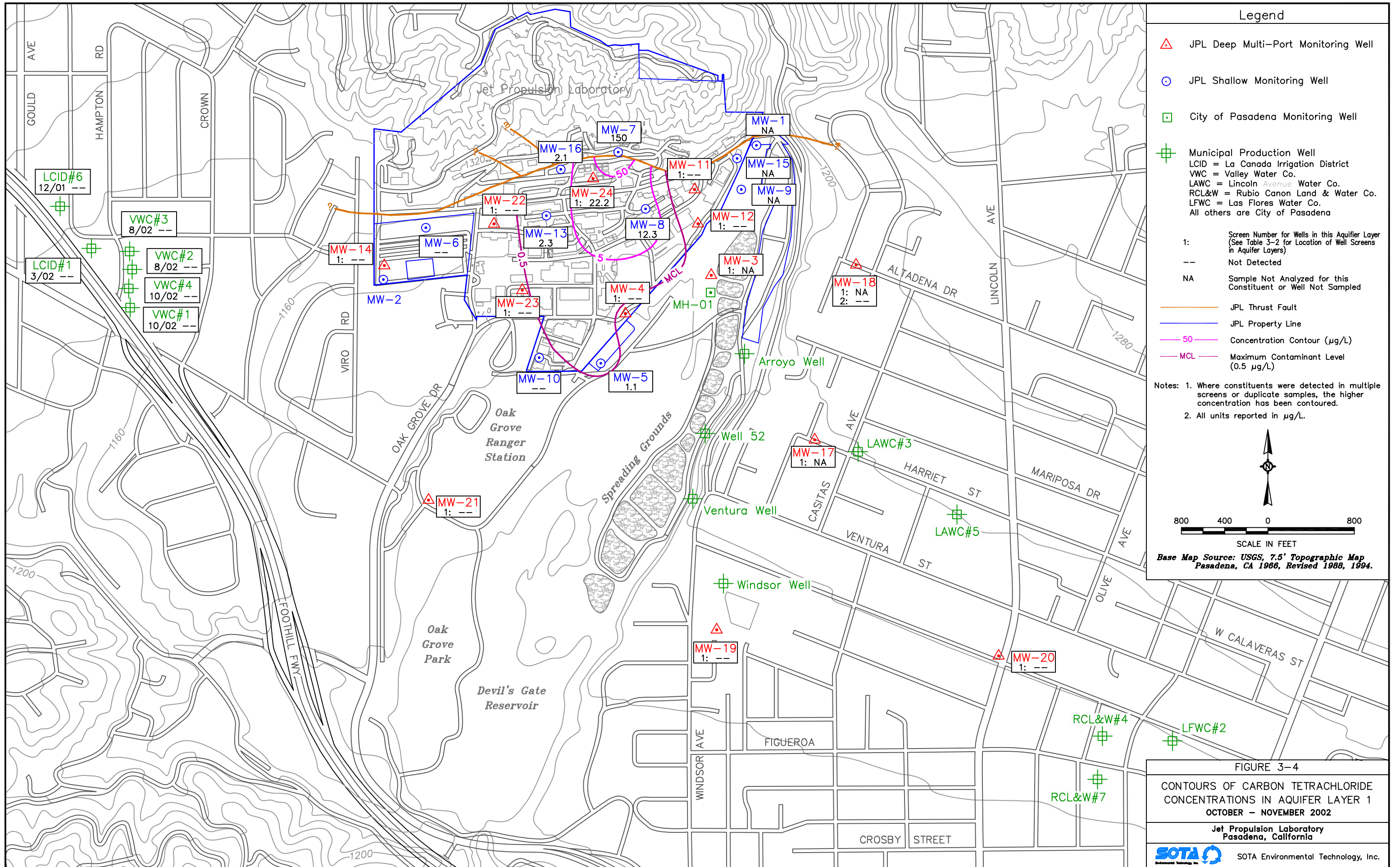
800 400 0 800
SCALE IN FEET

Base Map Source: USGS, 7.5' Topographic Map Pasadena, CA 1966, Revised 1988, 1994.

FIGURE 3-3
 CONTOURS OF CARBON TETRACHLORIDE
 CONCENTRATIONS IN AQUIFER LAYER 1
 JULY 2002

Jet Propulsion Laboratory
 Pasadena, California

 SOTA Environmental Technology, Inc.



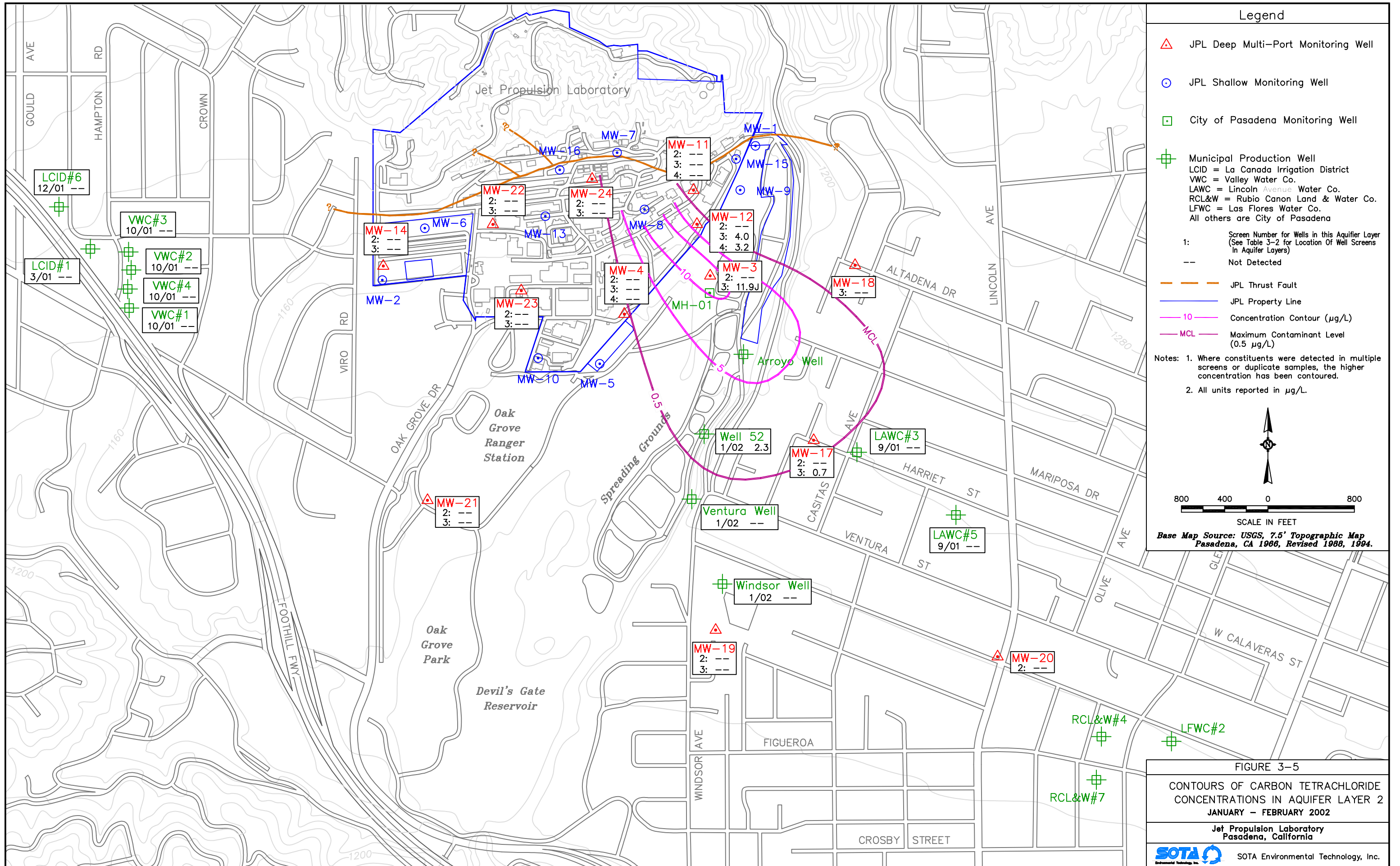
Legend

- ▲ JPL Deep Multi-Port Monitoring Well
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 - City of Pasadena Monitoring Well
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 LAWG = Lincoln Avenue Water Co.
 RCL&W = Rubio Canon Land & Water Co.
 LFWC = Las Flores Water Co.
 All others are City of Pasadena
- 1: Screen Number for Wells in this Aquifer Layer (See Table 3-2 for Location of Well Screens in Aquifer Layers)
 -- Not Detected
 NA Sample Not Analyzed for this Constituent or Well Not Sampled
- JPL Thrust Fault
 - JPL Property Line
 - 50 Concentration Contour (µg/L)
 - MCL Maximum Contaminant Level (0.5 µg/L)

Notes: 1. Where constituents were detected in multiple screens or duplicate samples, the higher concentration has been contoured.
 2. All units reported in µg/L.

800 400 0 800
 SCALE IN FEET
 Base Map Source: USGS, 7.5' Topographic Map Pasadena, CA 1966, Revised 1988, 1994.

FIGURE 3-4
 CONTOURS OF CARBON TETRACHLORIDE CONCENTRATIONS IN AQUIFER LAYER 1
 OCTOBER - NOVEMBER 2002
 Jet Propulsion Laboratory
 Pasadena, California
 SOTA Environmental Technology, Inc.



Legend

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 LAWC = Lincoln Avenue Water Co.
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 LFWC = Las Flores Water Co.
 All others are City of Pasadena

1: Screen Number for Wells in this Aquifer Layer (See Table 3-2 for Location Of Well Screens In Aquifer Layers)
 -- Not Detected

- JPL Thrust Fault
- JPL Property Line
- 10 Concentration Contour (µg/L)
- MCL Maximum Contaminant Level (0.5 µg/L)

Notes: 1. Where constituents were detected in multiple screens or duplicate samples, the higher concentration has been contoured.
 2. All units reported in µg/L.

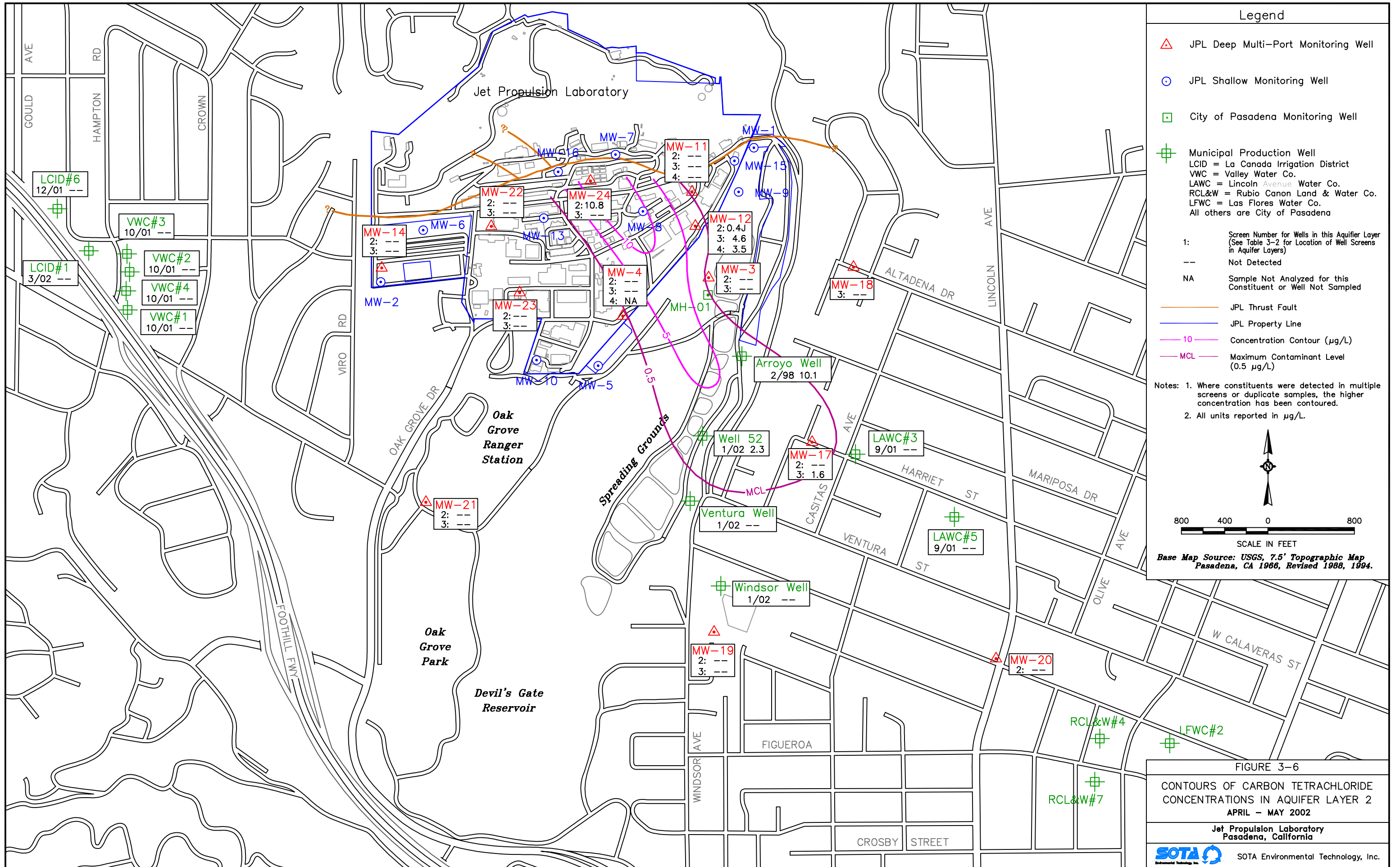
800 400 0 800
SCALE IN FEET

Base Map Source: USGS, 7.5' Topographic Map Pasadena, CA 1966, Revised 1988, 1994.

FIGURE 3-5
 CONTOURS OF CARBON TETRACHLORIDE
 CONCENTRATIONS IN AQUIFER LAYER 2
 JANUARY - FEBRUARY 2002

Jet Propulsion Laboratory
 Pasadena, California

SOTA Environmental Technology, Inc.



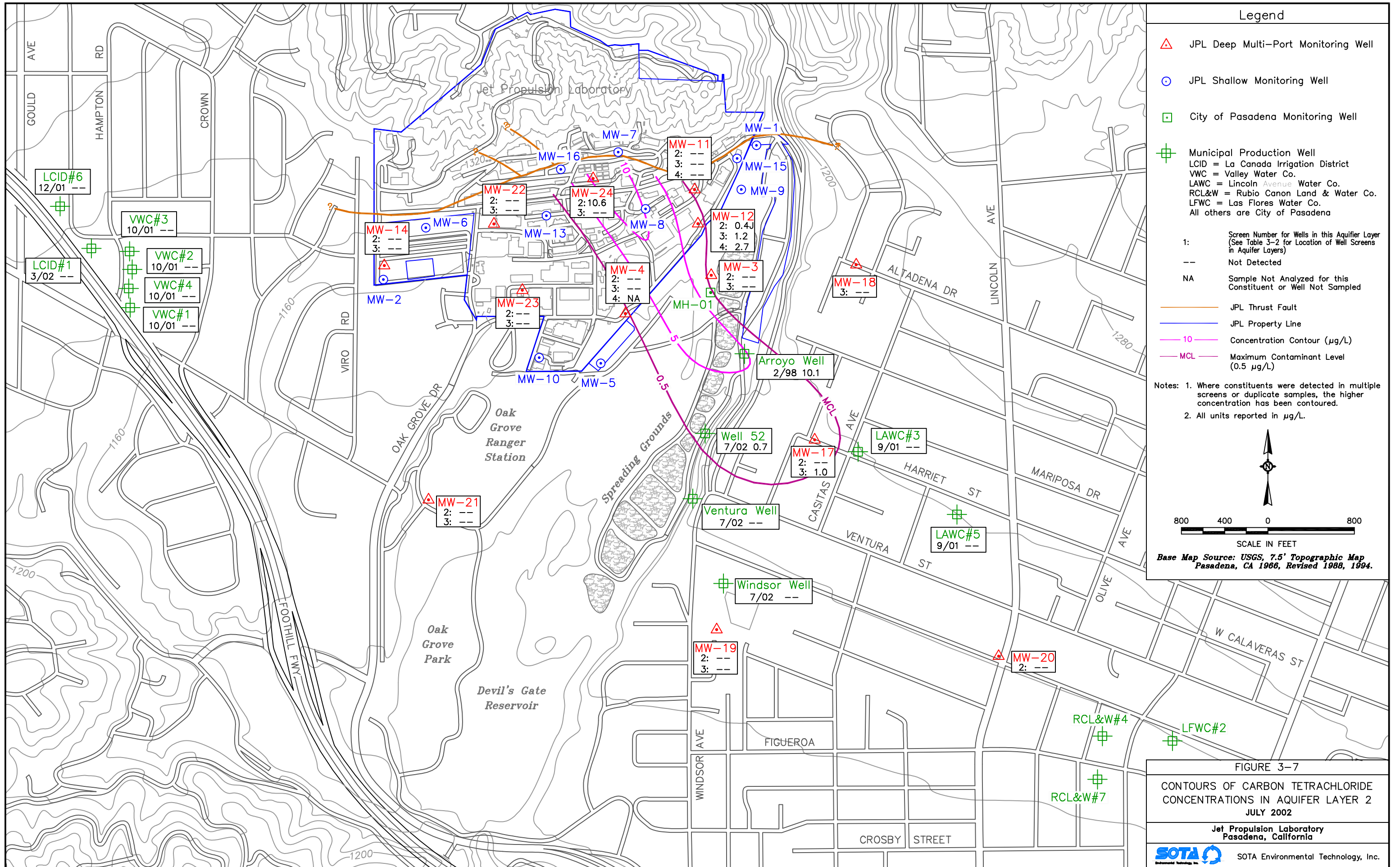
Legend

- △ JPL Deep Multi-Port Monitoring Well
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 LFWC = Las Flores Water Co.
 All others are City of Pasadena
- 1: Screen Number for Wells in this Aquifer Layer (See Table 3-2 for Location of Well Screens in Aquifer Layers)
- Not Detected
- NA Sample Not Analyzed for this Constituent or Well Not Sampled
- JPL Thrust Fault
 - JPL Property Line
 - 10 Concentration Contour (µg/L)
 - MCL Maximum Contaminant Level (0.5 µg/L)

Notes: 1. Where constituents were detected in multiple screens or duplicate samples, the higher concentration has been contoured.
 2. All units reported in µg/L.

800 400 0 800
 SCALE IN FEET
 Base Map Source: USGS, 7.5' Topographic Map Pasadena, CA 1966, Revised 1988, 1994.

FIGURE 3-6
 CONTOURS OF CARBON TETRACHLORIDE CONCENTRATIONS IN AQUIFER LAYER 2
 APRIL - MAY 2002
 Jet Propulsion Laboratory
 Pasadena, California
 SOTA Environmental Technology, Inc.



Legend

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 LFWC = Las Flores Water Co.
 All others are City of Pasadena

1: Screen Number for Wells in this Aquifer Layer (See Table 3-2 for Location of Well Screens in Aquifer Layers)
 -- Not Detected
 NA Sample Not Analyzed for this Constituent or Well Not Sampled

- JPL Thrust Fault
- JPL Property Line
- 10 Concentration Contour (µg/L)
- MCL Maximum Contaminant Level (0.5 µg/L)

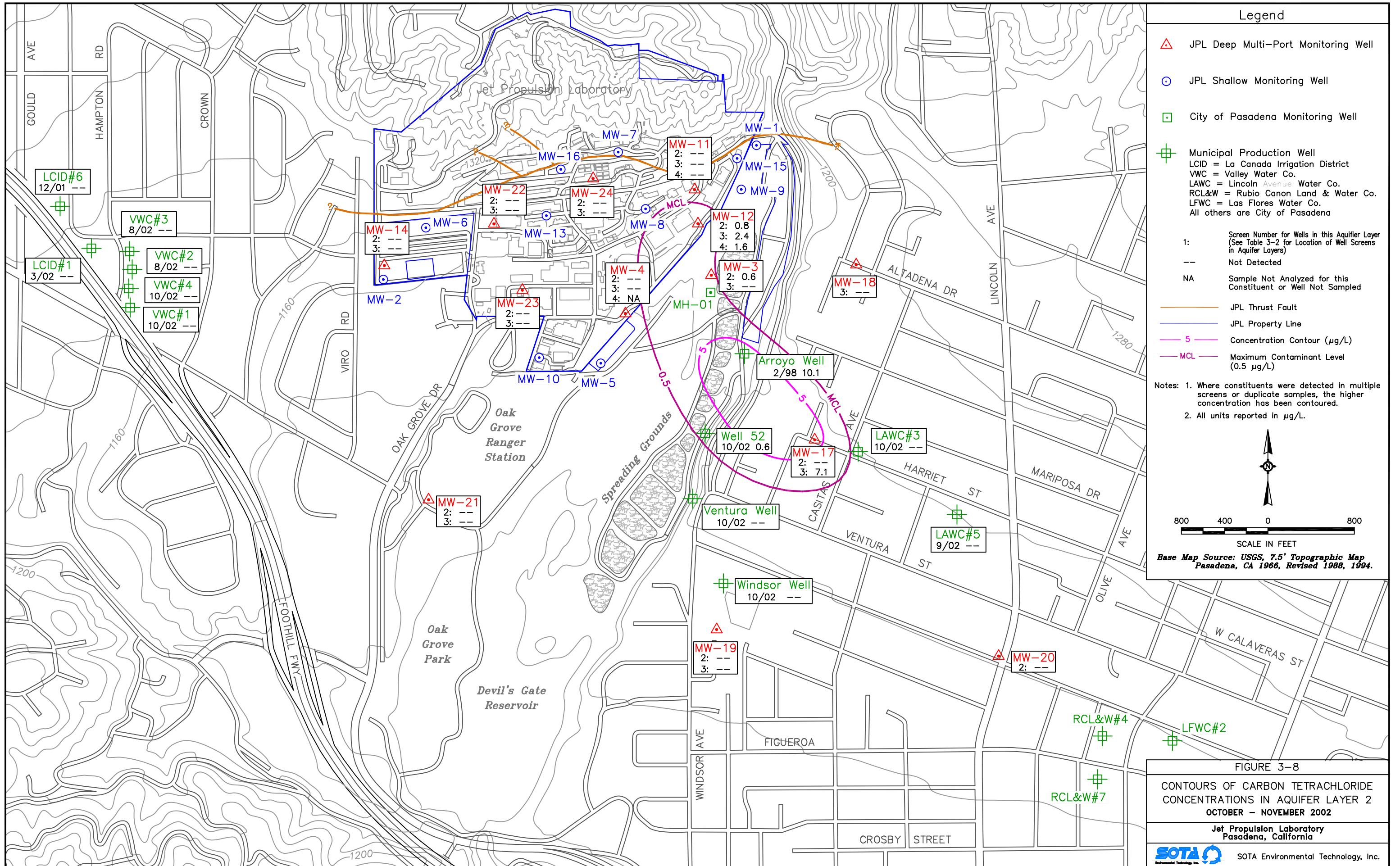
Notes: 1. Where constituents were detected in multiple screens or duplicate samples, the higher concentration has been contoured.
 2. All units reported in µg/L.

800 400 0 800
 SCALE IN FEET
 Base Map Source: USGS, 7.5' Topographic Map Pasadena, CA 1966, Revised 1988, 1994.

FIGURE 3-7
 CONTOURS OF CARBON TETRACHLORIDE
 CONCENTRATIONS IN AQUIFER LAYER 2
 JULY 2002

Jet Propulsion Laboratory
 Pasadena, California

SOTA Environmental Technology, Inc.



Legend

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 LFWC = Las Flores Water Co.
 All others are City of Pasadena
- 1: Screen Number for Wells in this Aquifer Layer (See Table 3-2 for Location of Well Screens in Aquifer Layers)
 -- Not Detected
 NA Sample Not Analyzed for this Constituent or Well Not Sampled
- JPL Thrust Fault
 - JPL Property Line
 - 5 Concentration Contour (µg/L)
 - MCL Maximum Contaminant Level (0.5 µg/L)

Notes: 1. Where constituents were detected in multiple screens or duplicate samples, the higher concentration has been contoured.
 2. All units reported in µg/L.



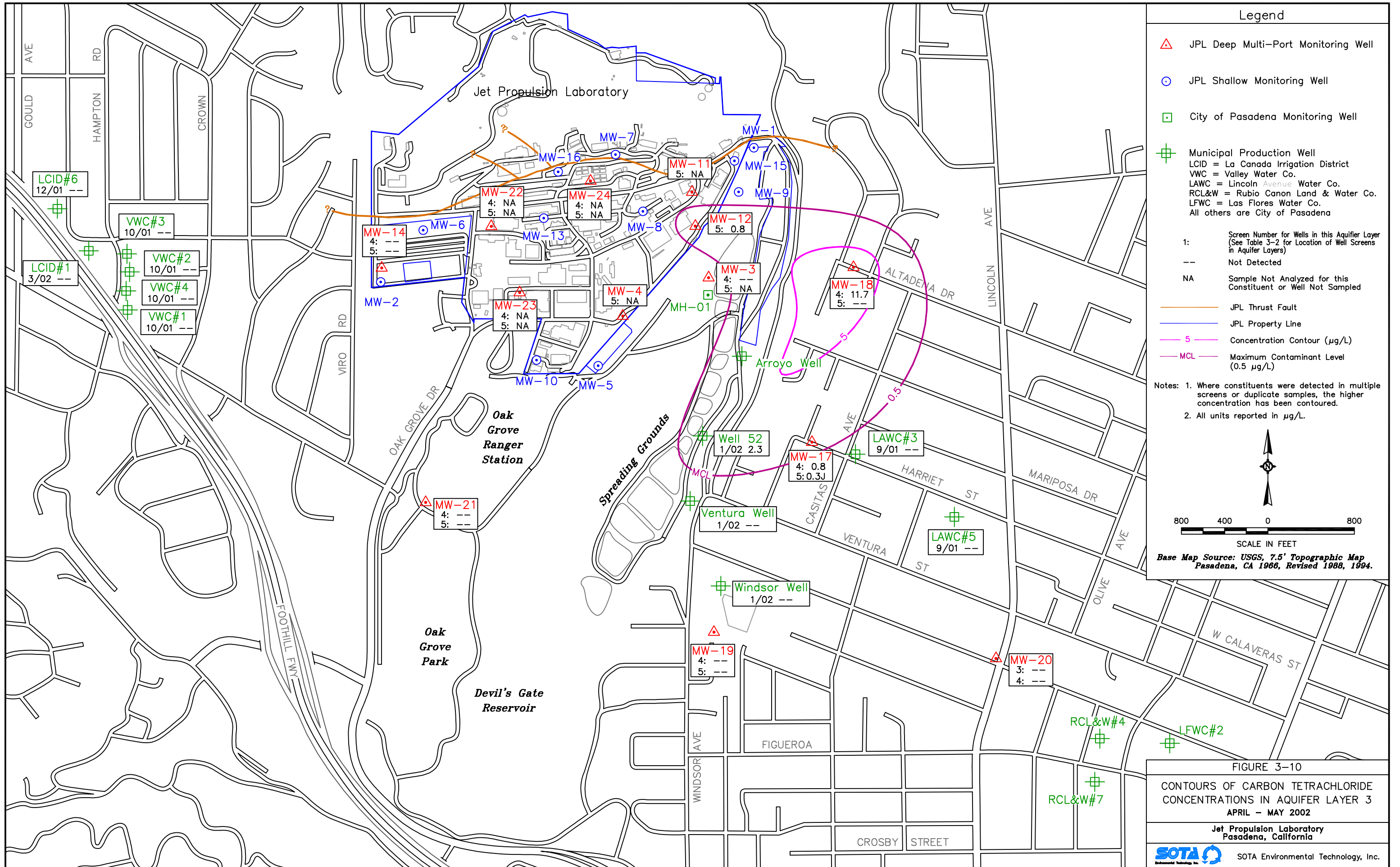

 800 400 0 800
 SCALE IN FEET
 Base Map Source: USGS, 7.5' Topographic Map Pasadena, CA 1966, Revised 1988, 1994.

FIGURE 3-8
 CONTOURS OF CARBON TETRACHLORIDE CONCENTRATIONS IN AQUIFER LAYER 2
 OCTOBER - NOVEMBER 2002
 Jet Propulsion Laboratory
 Pasadena, California
 SOTA Environmental Technology, Inc.



Legend

- ▲ JPL Deep Multi-Port Monitoring Well
 - JPL Shallow Monitoring Well
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 LFWC = Las Flores Water Co.
 All others are City of Pasadena
- 1: Screen Number for Wells in this Aquifer Layer (See Table 3-2 for Location of Well Screens in Aquifer Layers)
- Not Detected
- NA Sample Not Analyzed for this Constituent or Well Not Sampled
- JPL Thrust Fault
 - JPL Property Line
 - 5 Concentration Contour ($\mu\text{g/L}$)
 - MCL Maximum Contaminant Level ($0.5 \mu\text{g/L}$)

Notes: 1. Where constituents were detected in multiple screens or duplicate samples, the higher concentration has been contoured.
 2. All units reported in $\mu\text{g/L}$.

800 400 0 800
 SCALE IN FEET
 Base Map Source: USGS, 7.5' Topographic Map Pasadena, CA 1966, Revised 1988, 1994.

FIGURE 3-10
 CONTOURS OF CARBON TETRACHLORIDE CONCENTRATIONS IN AQUIFER LAYER 3
 APRIL - MAY 2002
 Jet Propulsion Laboratory
 Pasadena, California
 SOTA Environmental Technology, Inc.