

P:\50000\55596\GIS\Projects\Figure 1.mxd



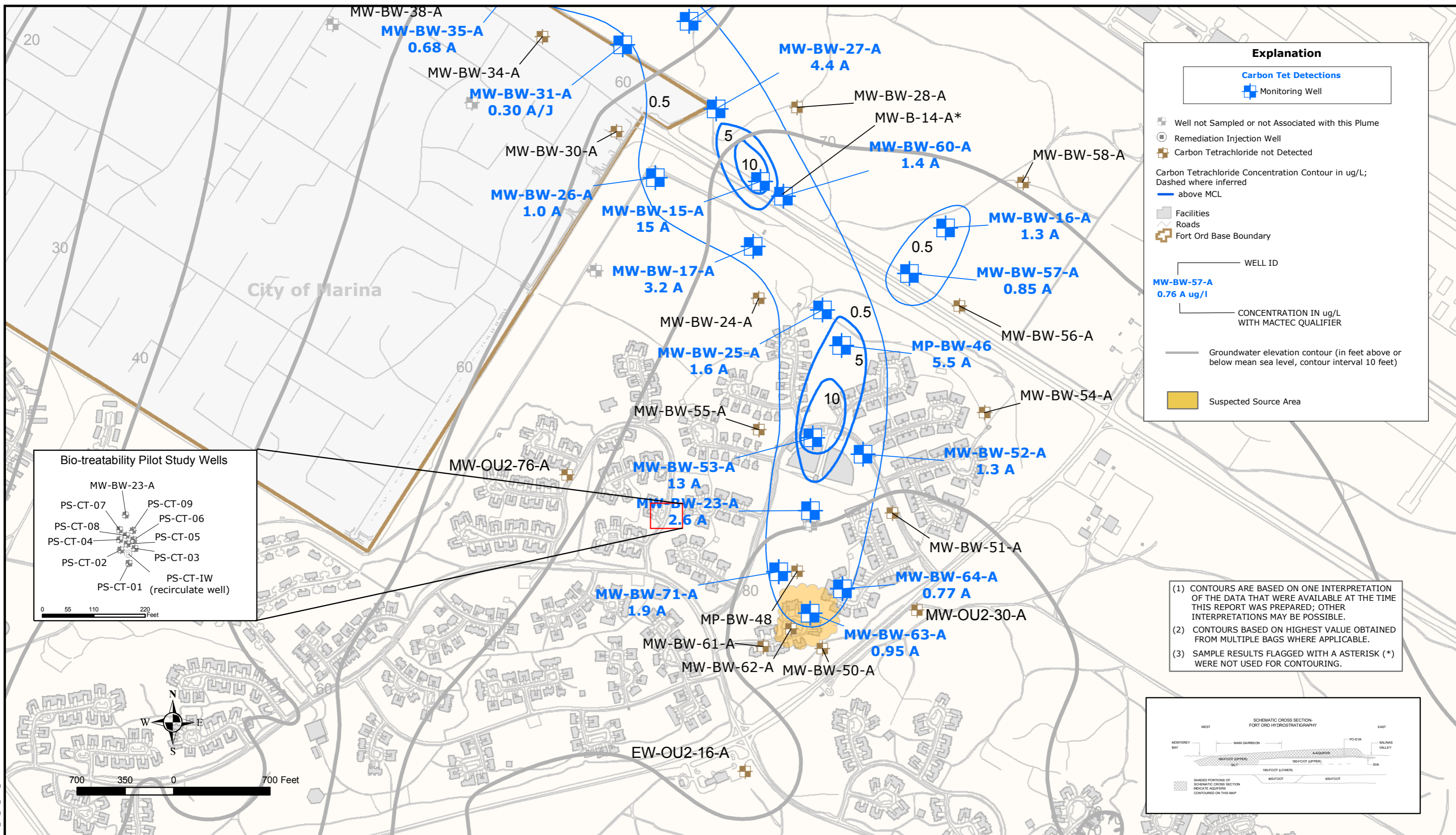
Map of Study Area

General Extent of Carbon Tetrachloride
Former Fort Ord
Monterey County, California

PLATE

1

DRAWN FPC	JOB NUMBER 55596 001701	APPROVED MLS [Signature]	DATE 02/05	REVISED DATE
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Explanation

Carbon Tet Detections

- Monitoring Well
- Well not Sampled or not Associated with this Plume
- Remediation Injection Well
- Carbon Tetrachloride not Detected

Carbon Tetrachloride Concentration Contour in ug/L;
Dashed where inferred

- above MCL

Facilities
Roads
Fort Ord Base Boundary

WELL ID
CONCENTRATION IN ug/L WITH MACTEC QUALIFIER

Groundwater elevation contour (in feet above or below mean sea level, contour interval 10 feet)

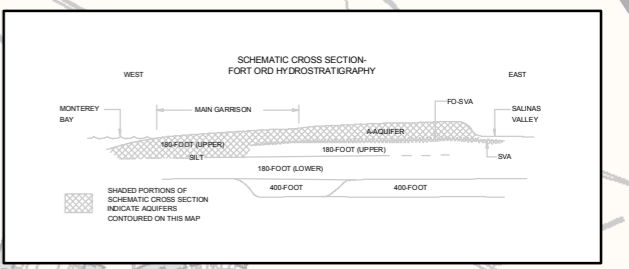
Suspected Source Area

Bio-treatability Pilot Study Wells

- MW-BW-23-A
- PS-CT-07
- PS-CT-08
- PS-CT-04
- PS-CT-02
- PS-CT-09
- PS-CT-06
- PS-CT-05
- PS-CT-03
- PS-CT-IW (recirculate well)
- PS-CT-01

0 55 110 220 Feet

- (1) CONTOURS ARE BASED ON ONE INTERPRETATION OF THE DATA THAT WERE AVAILABLE AT THE TIME THIS REPORT WAS PREPARED; OTHER INTERPRETATIONS MAY BE POSSIBLE.
- (2) CONTOURS BASED ON HIGHEST VALUE OBTAINED FROM MULTIPLE BAGS WHERE APPLICABLE.
- (3) SAMPLE RESULTS FLAGGED WITH AN ASTERISK (*) WERE NOT USED FOR CONTOURING.



Fort Ord GIS - Plate_2A_FS_CTP_A - 10/25/2005

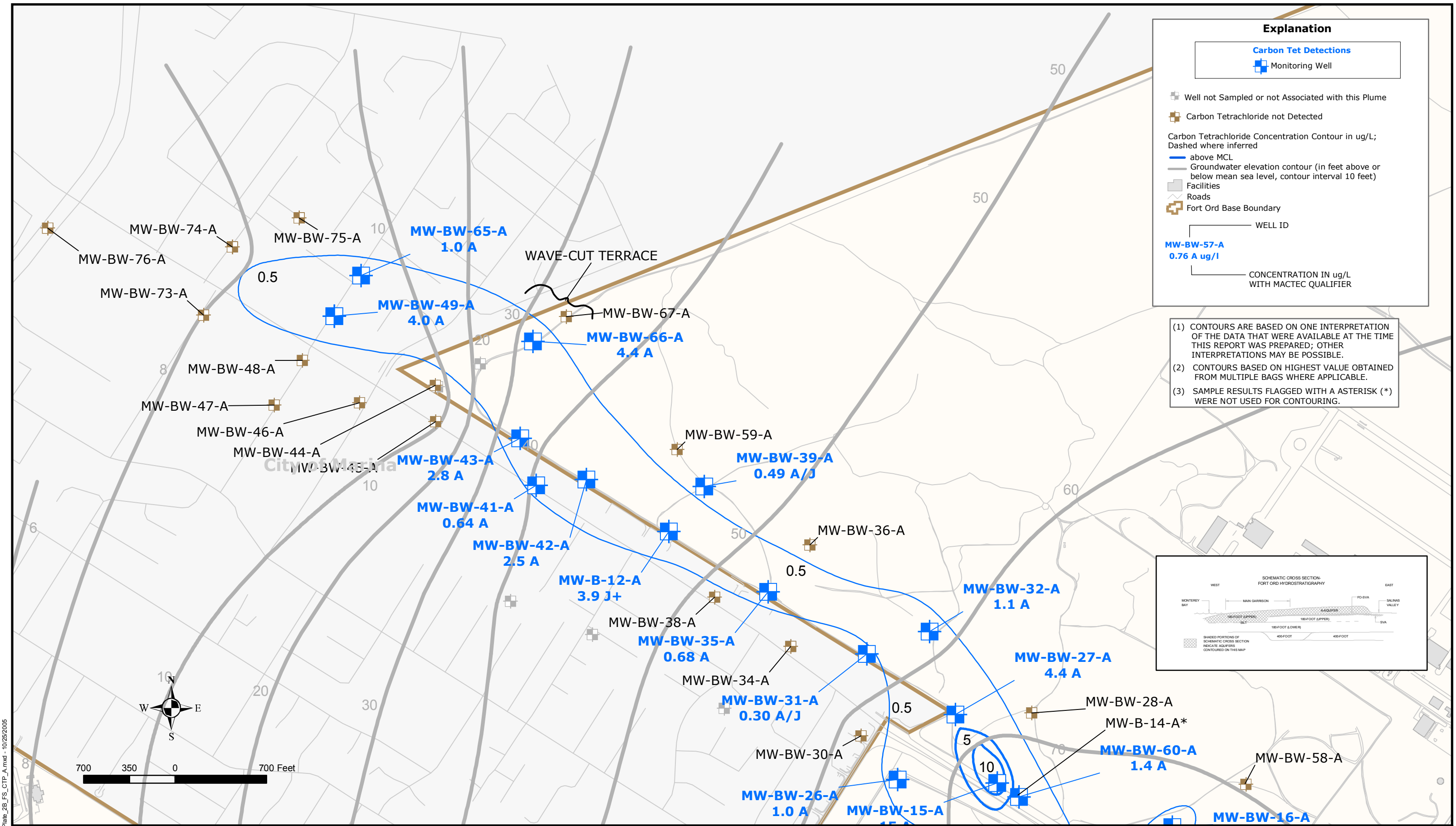
DESIGNED:	PROJECT NO: 55596 001701
DRAWN: FPC	SCALE: 1" = 667'
APPROVED: <i>MDT</i>	CHECKED:
DATE:	DATE: May 2005

MACTEC Engineering and Consulting
5341 Old Redwood Blvd, Suite 300
Petaluma, California 94952
Phone: (707) 793-3800

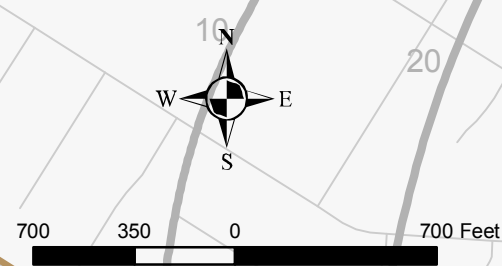
Feasibility Study--Volume III
OU CTP RI/FS
Former Fort Ord, California

A-Aquifer Southern Portion of Carbon Tetrachloride Plume
September 2004

PLATE:
2A



Fort Ord GIS - Plate 2B_FS_CTP_A.mxd - 10/25/2005

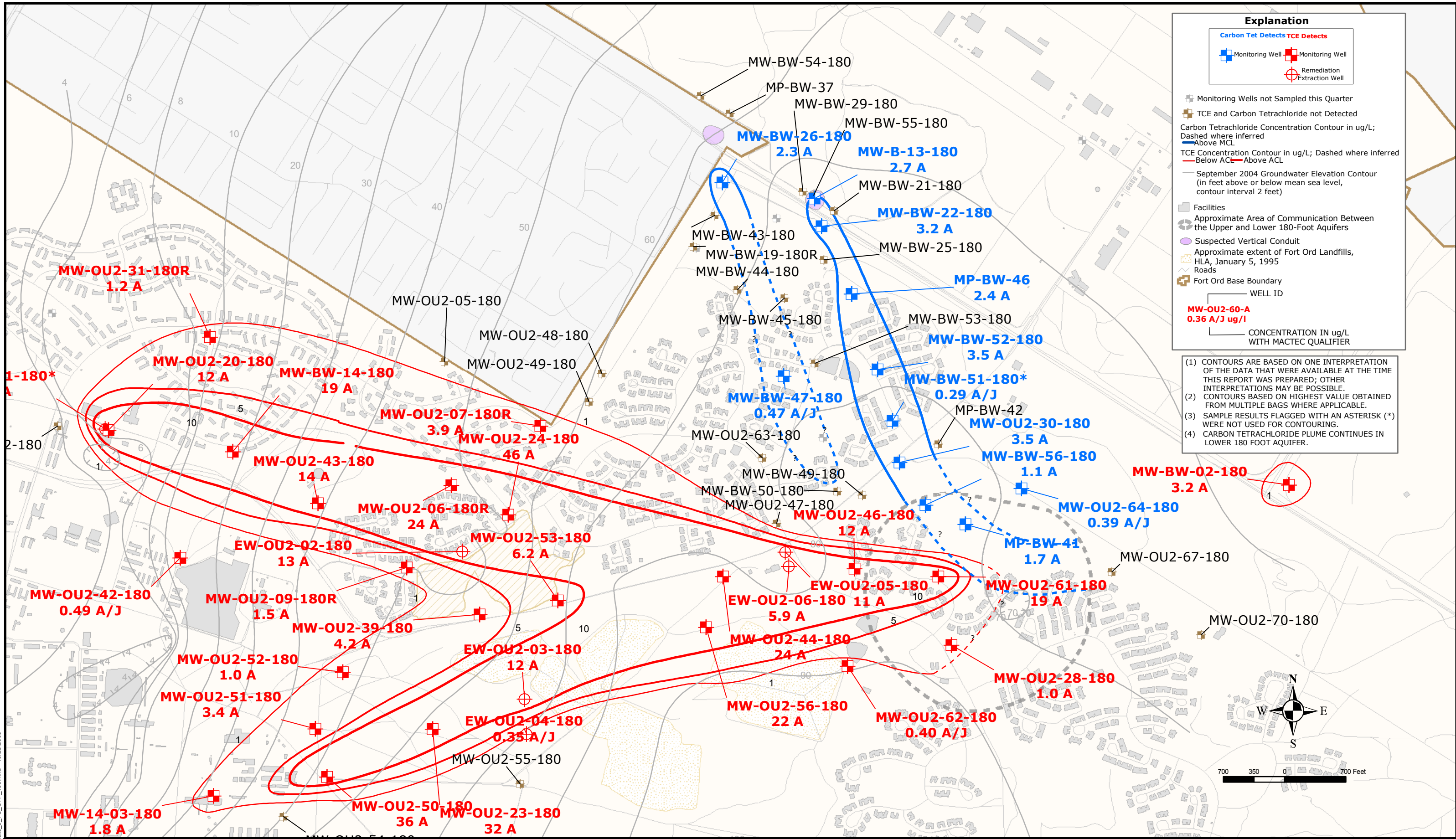


DESIGNED:	PROJECT NO: 55596 001701
DRAWN: FPC	SCALE: 1" = 667'
APPROVED: <i>MDT</i>	CHECKED:
DATE:	DATE: May 2005

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Feasibility Study—Volume III
 OU CTP RI/FS
 Former Fort Ord, California

A-Aquifer Northern Portion of Carbon Tetrachloride Plume
 September 2004

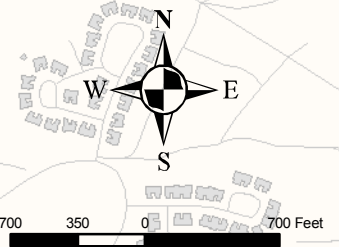


Explanation

Carbon Tet Detects **TCE Detects**

- Monitoring Well (Blue square)
- Monitoring Well (Red square)
- Remediation Extraction Well (Red circle with cross)
- Monitoring Wells not Sampled this Quarter (Grey square)
- TCE and Carbon Tetrachloride not Detected (Yellow square)
- Carbon Tetrachloride Concentration Contour in ug/L; Dashed where inferred (Blue line)
- Above MCL (Solid blue line)
- TCE Concentration Contour in ug/L; Dashed where inferred (Red line)
- Below ACL (Solid red line)
- Above ACL (Dashed red line)
- September 2004 Groundwater Elevation Contour (in feet above or below mean sea level, contour interval 2 feet) (Grey line)
- Facilities (Grey outline)
- Approximate Area of Communication Between the Upper and Lower 180-Foot Aquifers (Dotted area)
- Suspected Vertical Conduit (Purple circle)
- Approximate extent of Fort Ord Landfills, HLA, January 5, 1995 (Yellow shaded area)
- Roads (Grey line)
- Fort Ord Base Boundary (Brown line)
- WELL ID (Text label)
- MW-OU2-60-A**
0.36 A/J ug/l
- CONCENTRATION IN ug/L WITH MACTEC QUALIFIER

- (1) CONTOURS ARE BASED ON ONE INTERPRETATION OF THE DATA THAT WERE AVAILABLE AT THE TIME THIS REPORT WAS PREPARED; OTHER INTERPRETATIONS MAY BE POSSIBLE.
- (2) CONTOURS BASED ON HIGHEST VALUE OBTAINED FROM MULTIPLE BAGS WHERE APPLICABLE.
- (3) SAMPLE RESULTS FLAGGED WITH AN ASTERISK (*) WERE NOT USED FOR CONTOURING.
- (4) CARBON TETRACHLORIDE PLUME CONTINUES IN LOWER 180 FOOT AQUIFER.



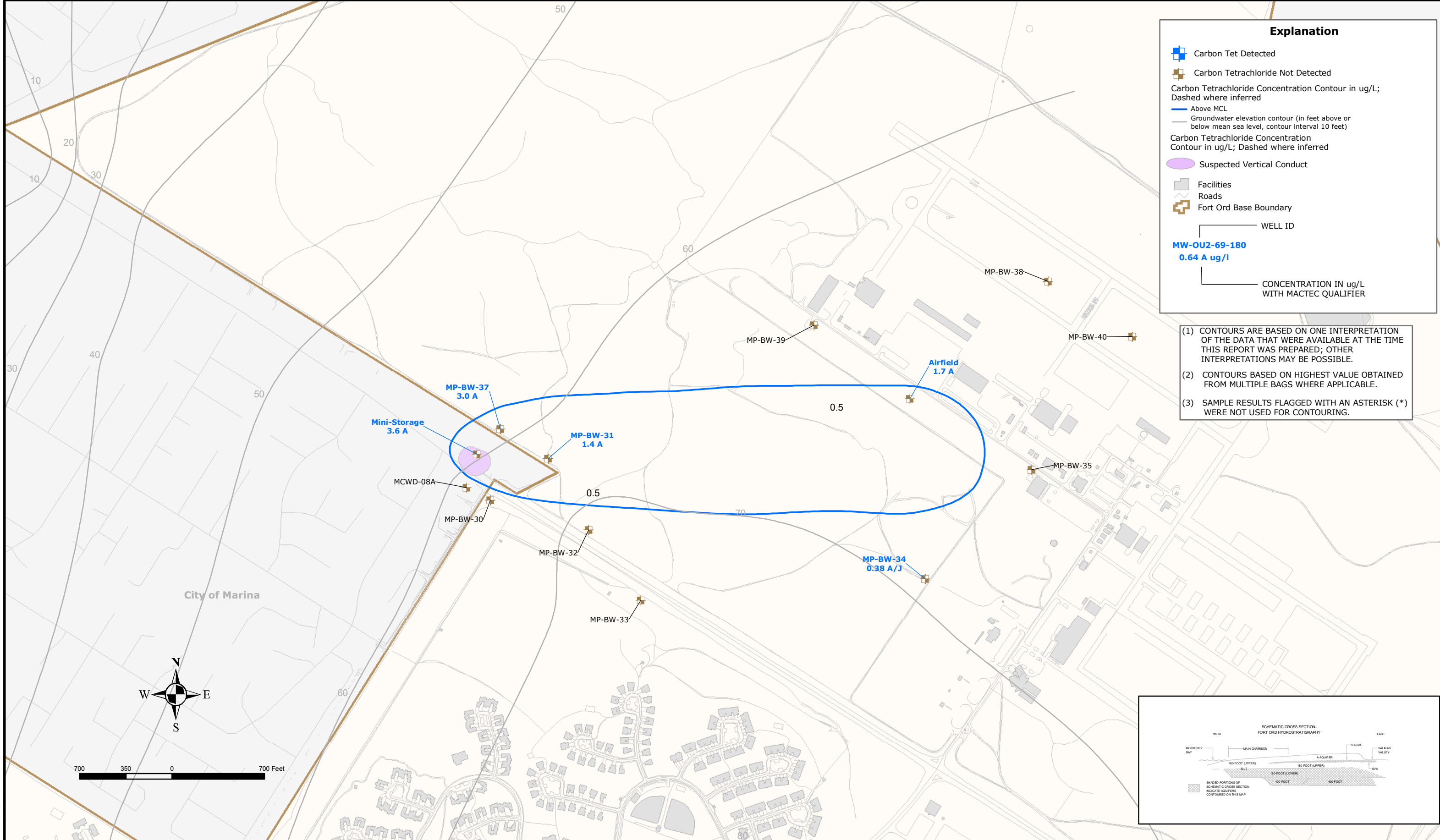
Fort Ord GIS - Plate_3_FS_CTP_180.mxd - 10/28/2005

DESIGNED:	PROJECT NO:	55596 001701
DRAWN: FPC	SCALE:	1" = 1000'
APPROVED: MDT	CHECKED:	
BY:	DATE:	October 2005

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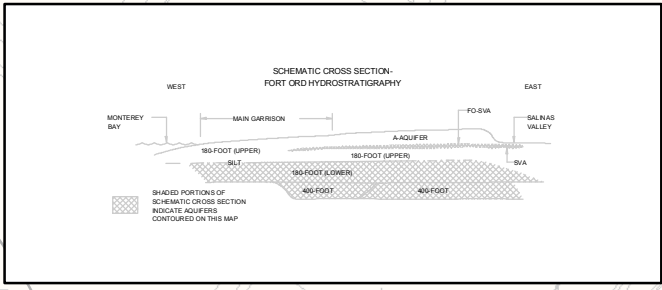
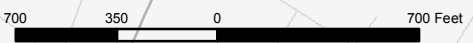
Upper 180-Foot Aquifer
 Carbon Tetrachloride Plume
 September 2004



Explanation

- Carbon Tet Detected
- Carbon Tetrachloride Not Detected
- Carbon Tetrachloride Concentration Contour in ug/L; Dashed where inferred
- Above MCL
- Groundwater elevation contour (in feet above or below mean sea level, contour interval 10 feet)
- Carbon Tetrachloride Concentration Contour in ug/L; Dashed where inferred
- Suspected Vertical Conduct
- Facilities
- Roads
- Fort Ord Base Boundary
- WELL ID
- MW-OU2-69-180
0.64 A ug/l
- CONCENTRATION IN ug/L WITH MACTEC QUALIFIER

- (1) CONTOURS ARE BASED ON ONE INTERPRETATION OF THE DATA THAT WERE AVAILABLE AT THE TIME THIS REPORT WAS PREPARED; OTHER INTERPRETATIONS MAY BE POSSIBLE.
- (2) CONTOURS BASED ON HIGHEST VALUE OBTAINED FROM MULTIPLE BAGS WHERE APPLICABLE.
- (3) SAMPLE RESULTS FLAGGED WITH AN ASTERISK (*) WERE NOT USED FOR CONTOURING.



Fort Ord GIS - Plate_4A_FS_CTP_180_400.mxd - 10/25/2005

NO.	DATE	REVISIONS	BY	CHK

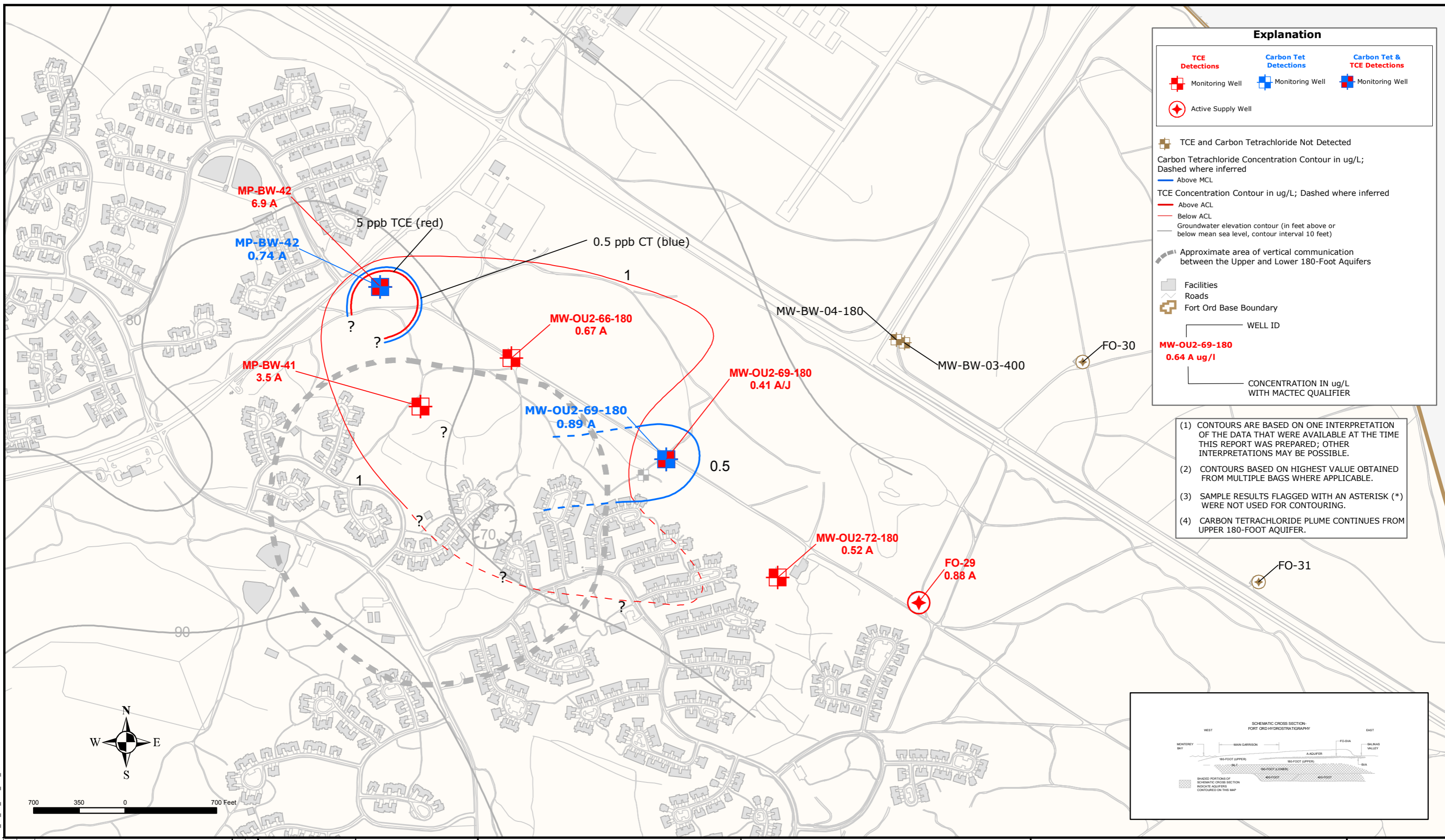
DESIGNED:	PROJECT NO: 55596 001701
DRAWN: FPC	SCALE: 1" = 1500'
APPROVED: <i>HPT</i>	CHECKED:
DATE:	DATE: May 2005

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Feasibility Study--Volume III
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 Former Fort Ord, California

Lower 180-Foot Aquifer
 Northern Portion of
 Carbon Tetrachloride Plume
 September 2004

PLATE:
4A



Explanation

TCE Detections	Carbon Tet Detections	Carbon Tet & TCE Detections
Monitoring Well	Monitoring Well	Monitoring Well
Active Supply Well		

TCE and Carbon Tetrachloride Not Detected

Carbon Tetrachloride Concentration Contour in ug/L;
Dashed where inferred

Above MCL

TCE Concentration Contour in ug/L; Dashed where inferred

Above ACL

Below ACL

Groundwater elevation contour (in feet above or below mean sea level, contour interval 10 feet)

Approximate area of vertical communication between the Upper and Lower 180-Foot Aquifers

Facilities

Roads

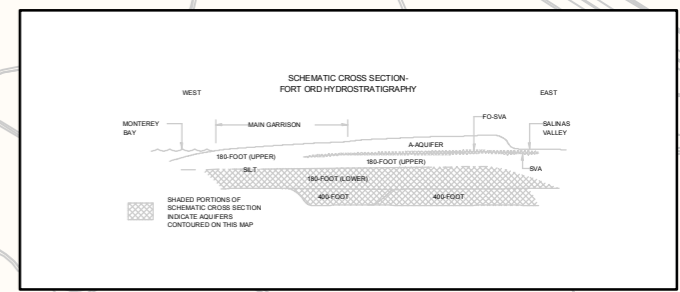
Fort Ord Base Boundary

WELL ID

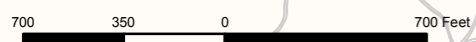
MW-OU2-69-180
0.64 A ug/l

CONCENTRATION IN ug/L WITH MACTEC QUALIFIER

- (1) CONTOURS ARE BASED ON ONE INTERPRETATION OF THE DATA THAT WERE AVAILABLE AT THE TIME THIS REPORT WAS PREPARED; OTHER INTERPRETATIONS MAY BE POSSIBLE.
- (2) CONTOURS BASED ON HIGHEST VALUE OBTAINED FROM MULTIPLE BAGS WHERE APPLICABLE.
- (3) SAMPLE RESULTS FLAGGED WITH AN ASTERISK (*) WERE NOT USED FOR CONTOURING.
- (4) CARBON TETRACHLORIDE PLUME CONTINUES FROM UPPER 180-FOOT AQUIFER.



Fort Ord GIS - Plate 4B_FS_CTP_180_400 - 10/28/2005



DESIGNED:	PROJECT NO: 55596 001701
DRAWN: FPC	SCALE: 1" = 1000'
APPROVED: <i>MDT</i>	CHECKED:
DATE:	DATE: May 2005

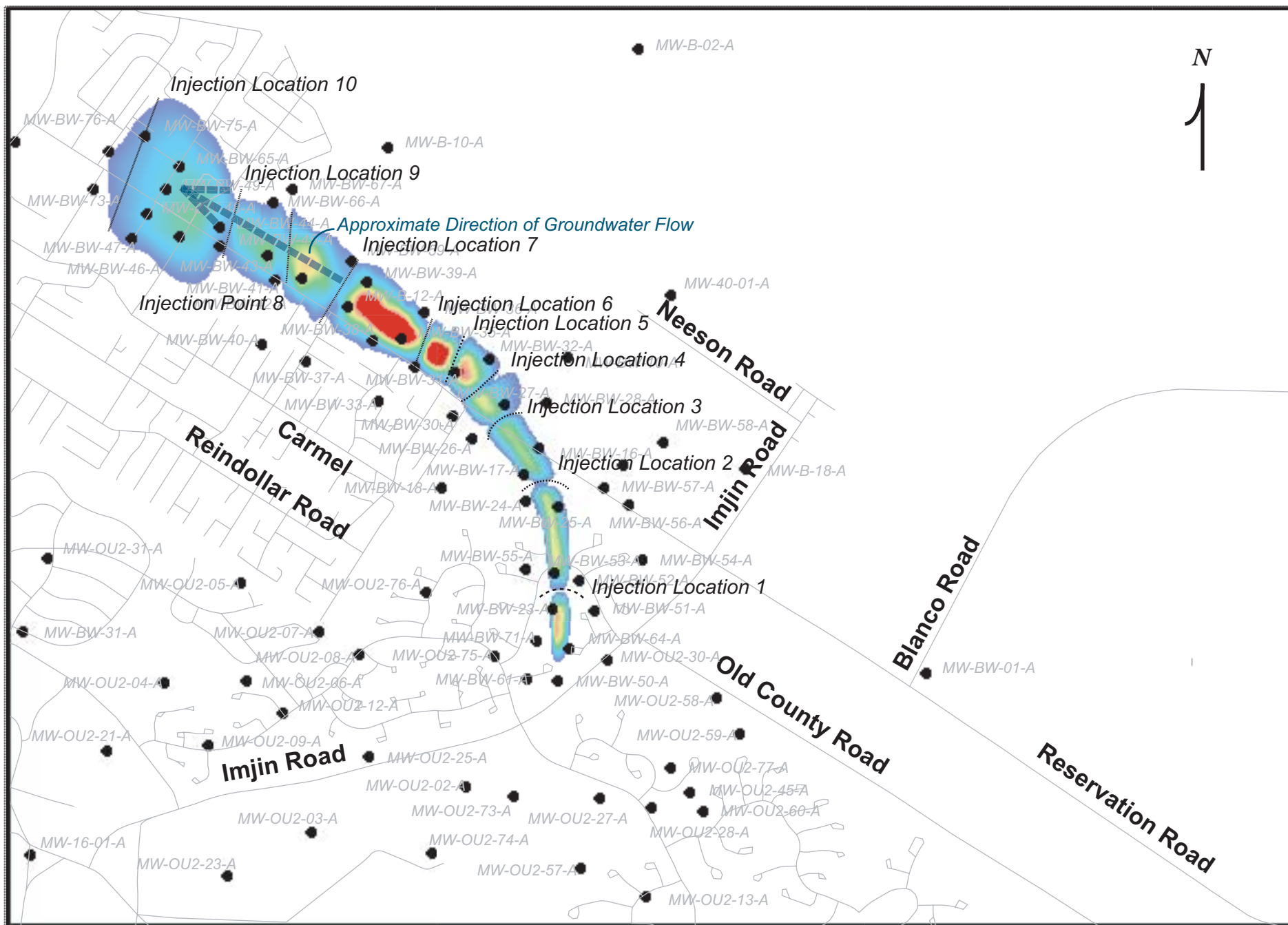
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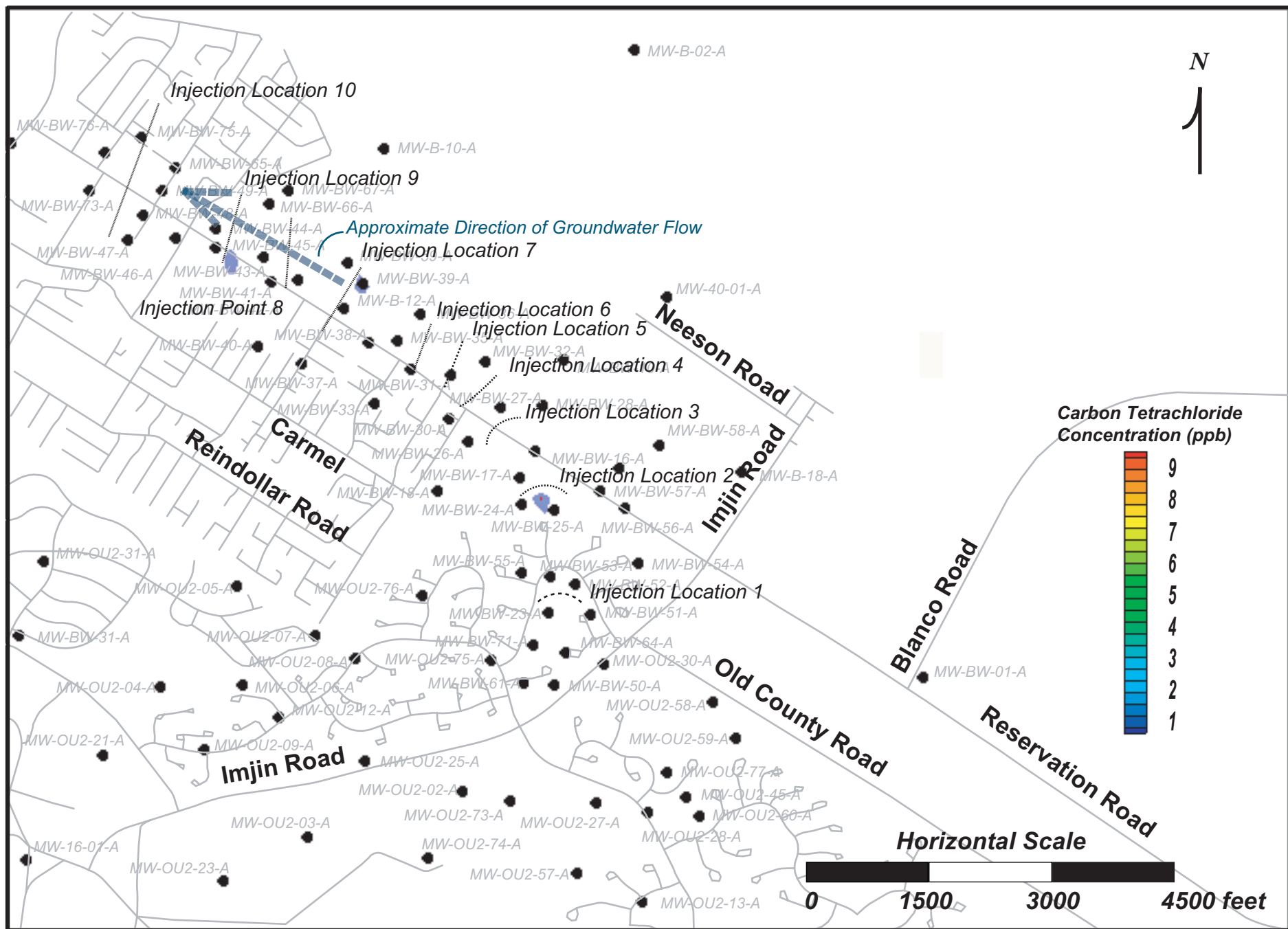
Lower 180-Foot Aquifer
 Southern Portion of Carbon
 Tetrachloride Plume
 September 2004

PLATE:
4B

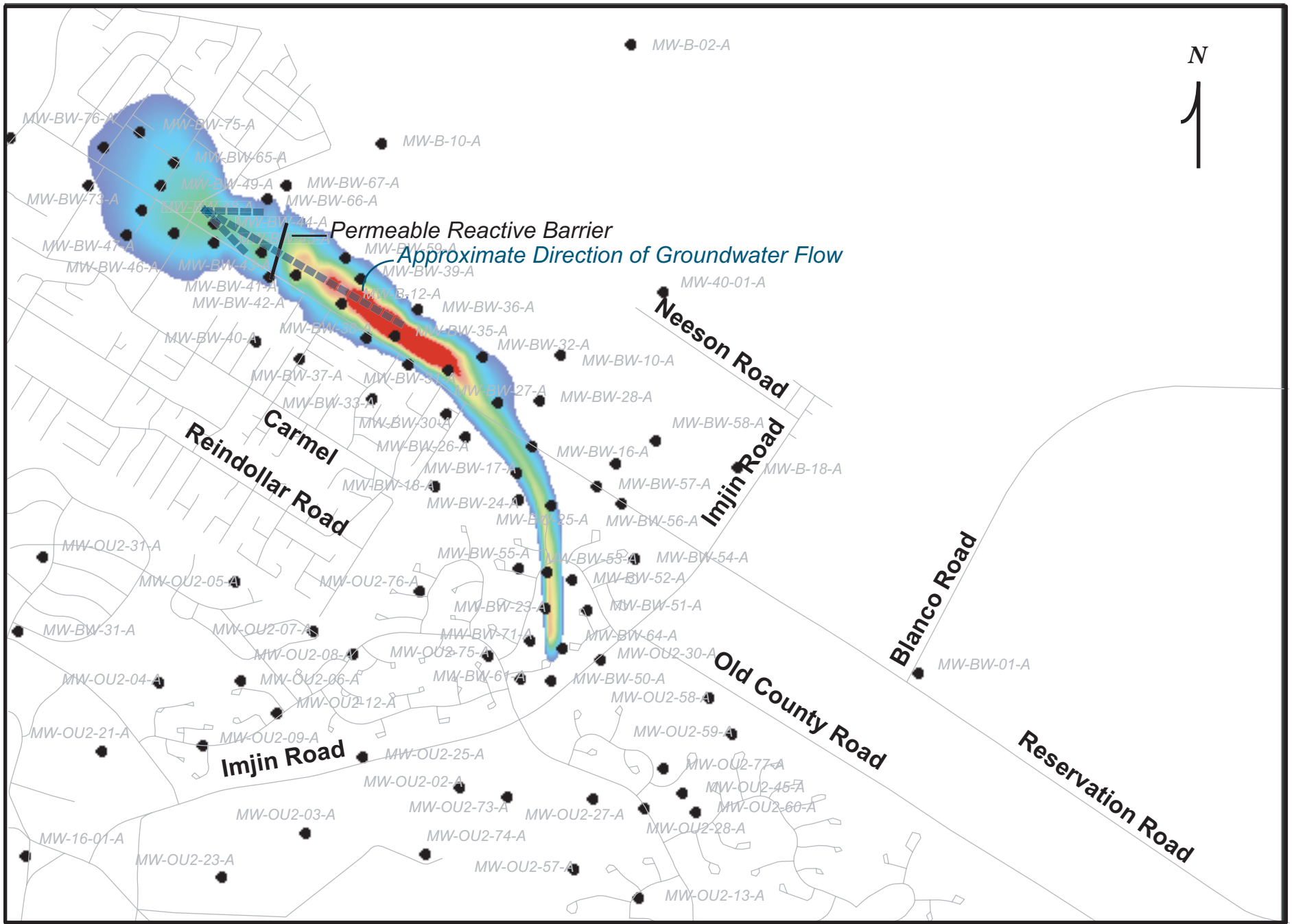
Year 1 Simulation



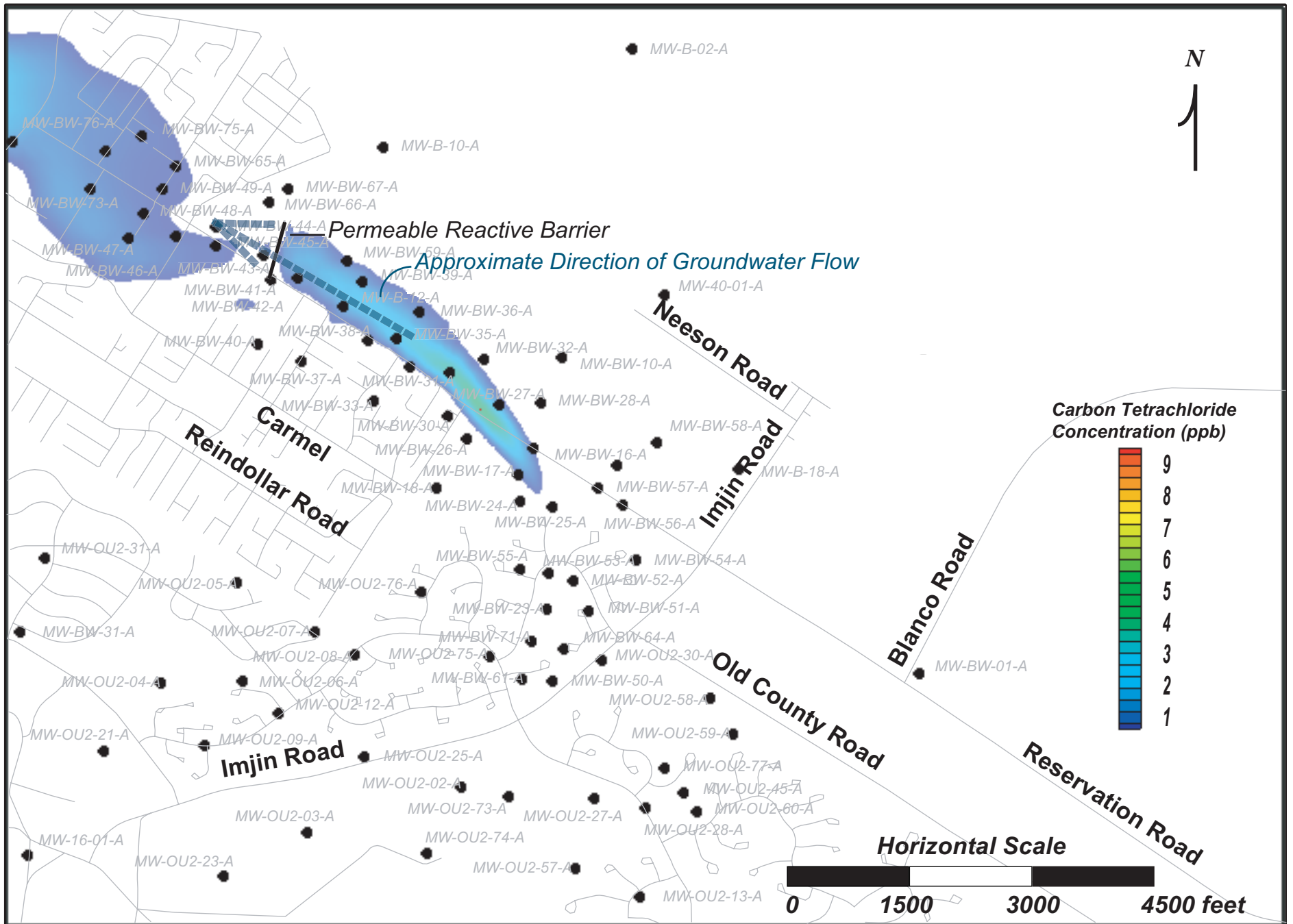
Year 15 Simulation



Year 1 Simulation



Year 30 Simulation

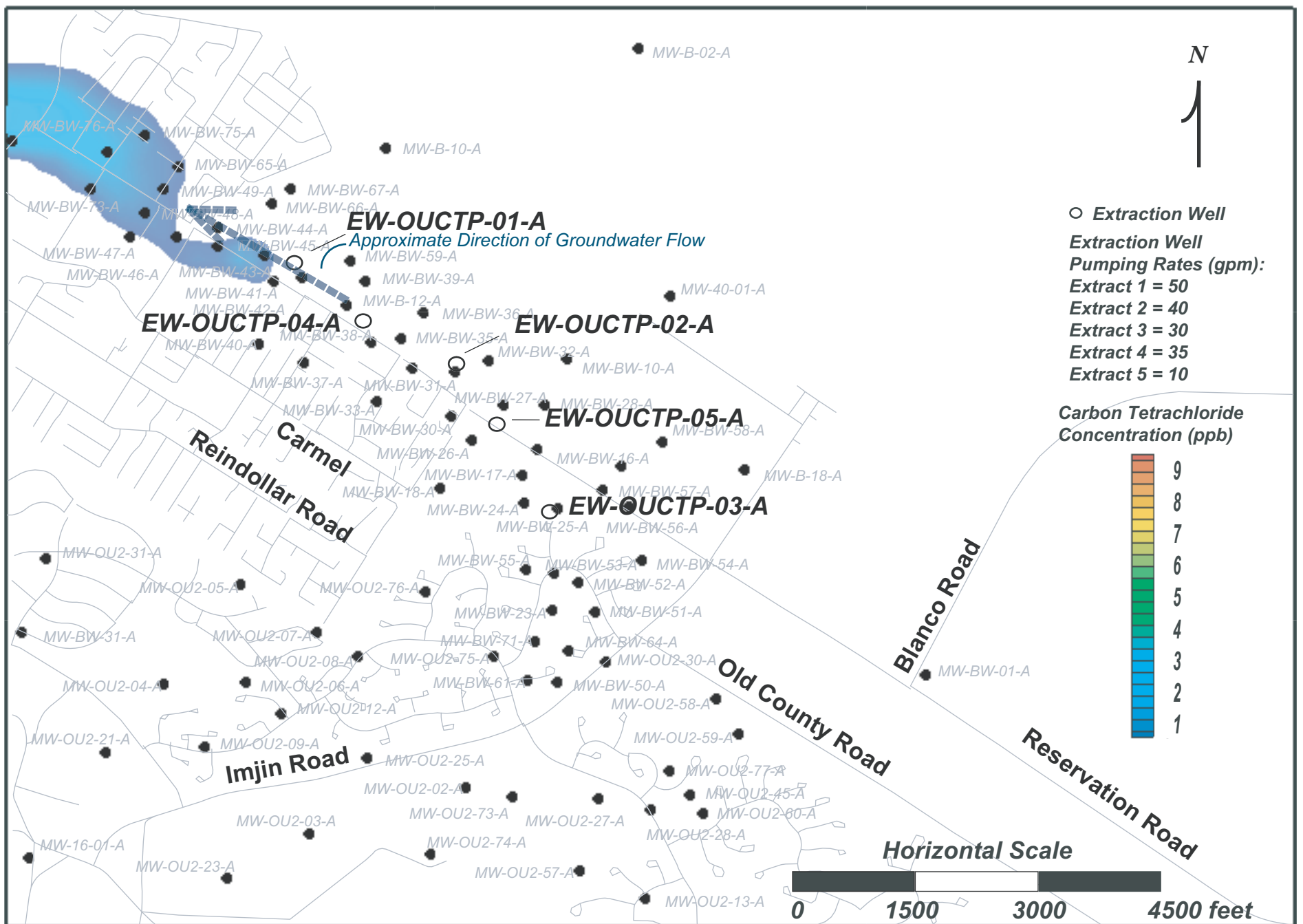


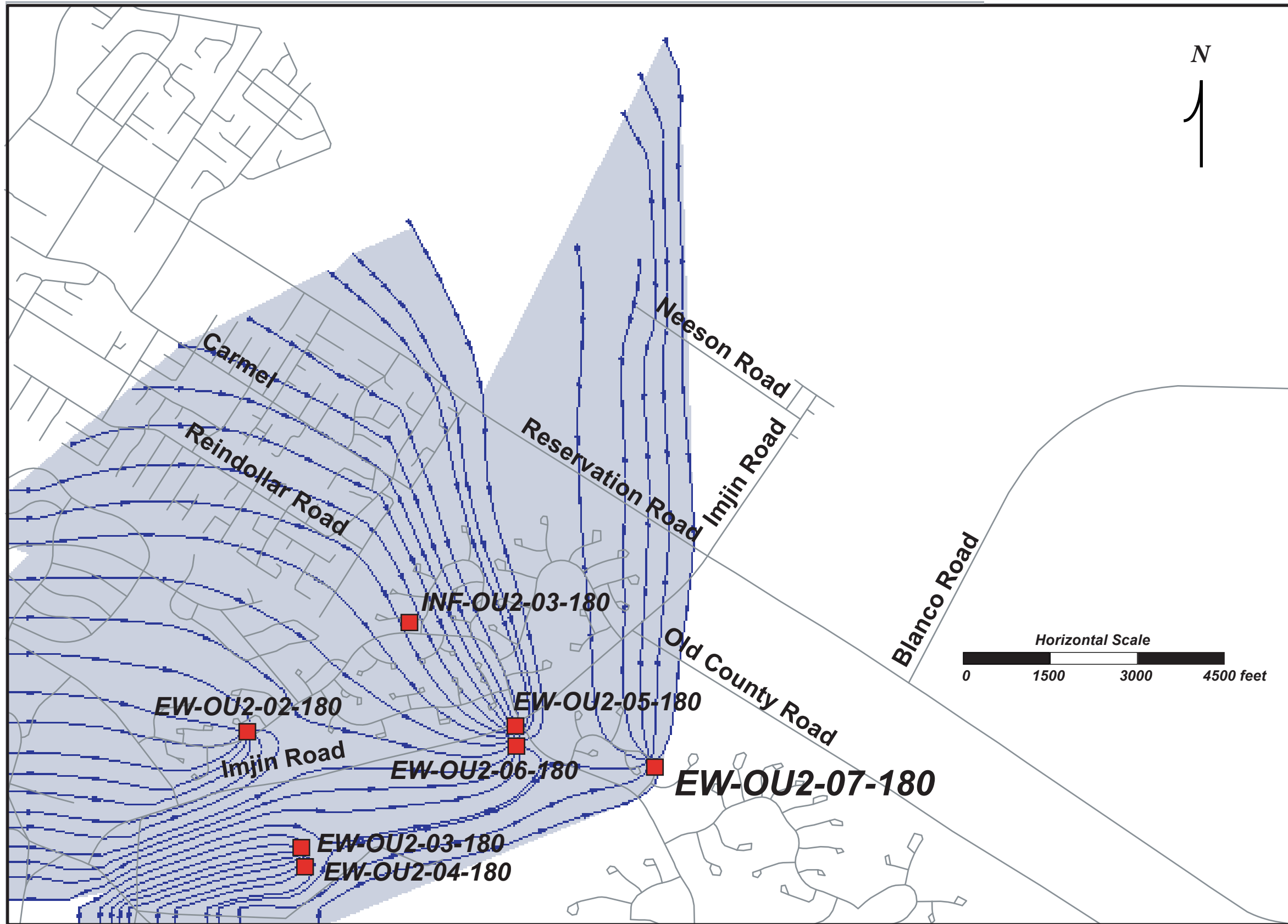
A-Aquifer Remedial Alternative 3 - In Situ Permeable Reactive Barrier
 OUCTP RI/FS, Feasibility Study - Volume III
 Former Fort Ord, California

Year 1 Simulation



Year 30 Simulation





- - - Particle Pathline
- Extraction Well

Upper 180-Foot Aquifer Remedial Alternative 2 - Groundwater Extraction and Treatment
 OUCTP RI/FS, Feasibility Study - Volume III
 Former Fort Ord, California

PL 8
 AT



DRAWN
CLH

JOB NUMBER
55596 001701

APPROVED

DATE
05/05

REVISED DATE