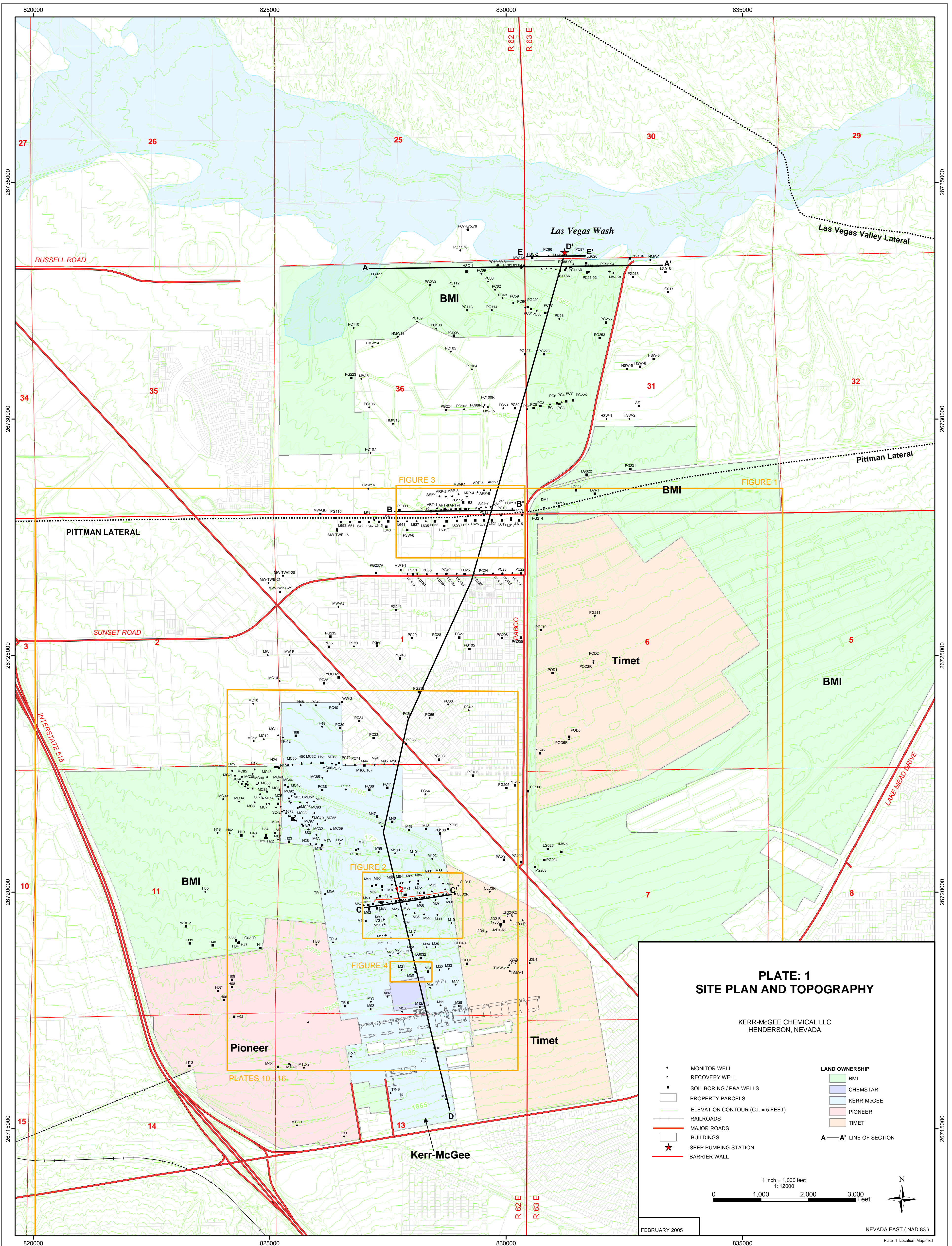


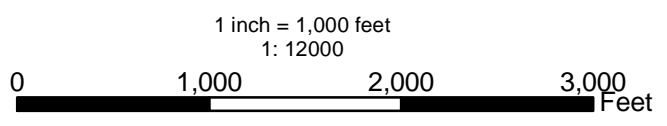
PLATES



**PLATE: 1
SITE PLAN AND TOPOGRAPHY**

KERR-McGEE CHEMICAL LLC
HENDERSON, NEVADA

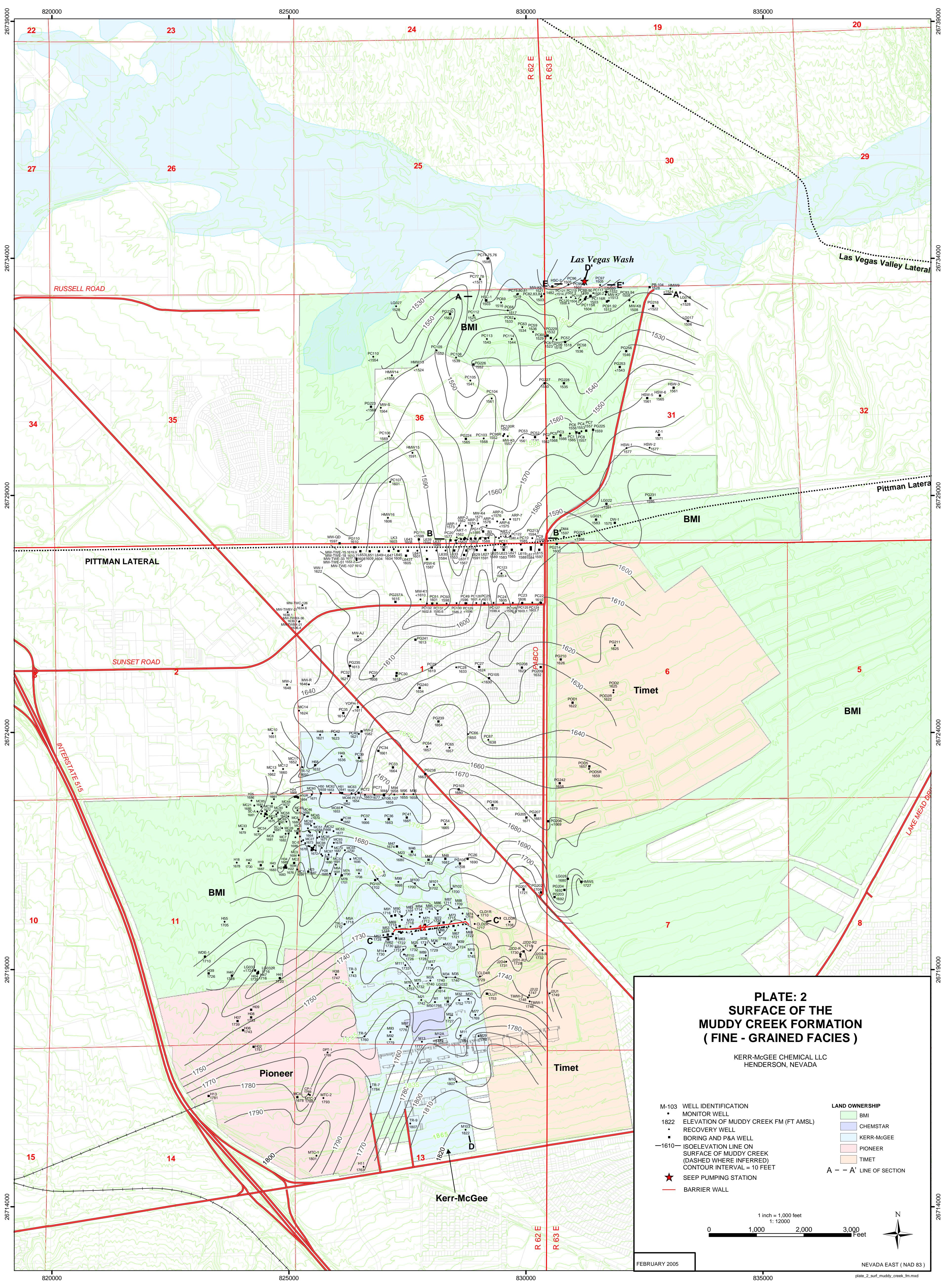
- | | |
|--|--|
| <ul style="list-style-type: none"> • MONITOR WELL • RECOVERY WELL • SOIL BORING / P&A WELLS ▭ PROPERTY PARCELS — ELEVATION CONTOUR (C.I. = 5 FEET) — RAILROADS — MAJOR ROADS ▭ BUILDINGS ★ SEEP PUMPING STATION — BARRIER WALL | <p>LAND OWNERSHIP</p> <ul style="list-style-type: none"> ▭ BMI ▭ CHEMSTAR ▭ KERR-McGEE ▭ PIONEER ▭ TIMET <p>A — A' LINE OF SECTION</p> |
|--|--|



FEBRUARY 2005

NEVADA EAST (NAD 83)

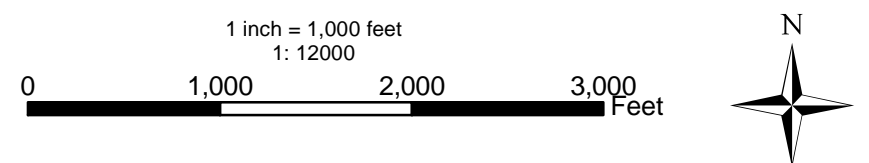
Plate_1_Location_Map.mxd



**PLATE: 2
SURFACE OF THE
MUDDY CREEK FORMATION
(FINE - GRAINED FACIES)**

KERR-McGEE CHEMICAL LLC
HENDERSON, NEVADA

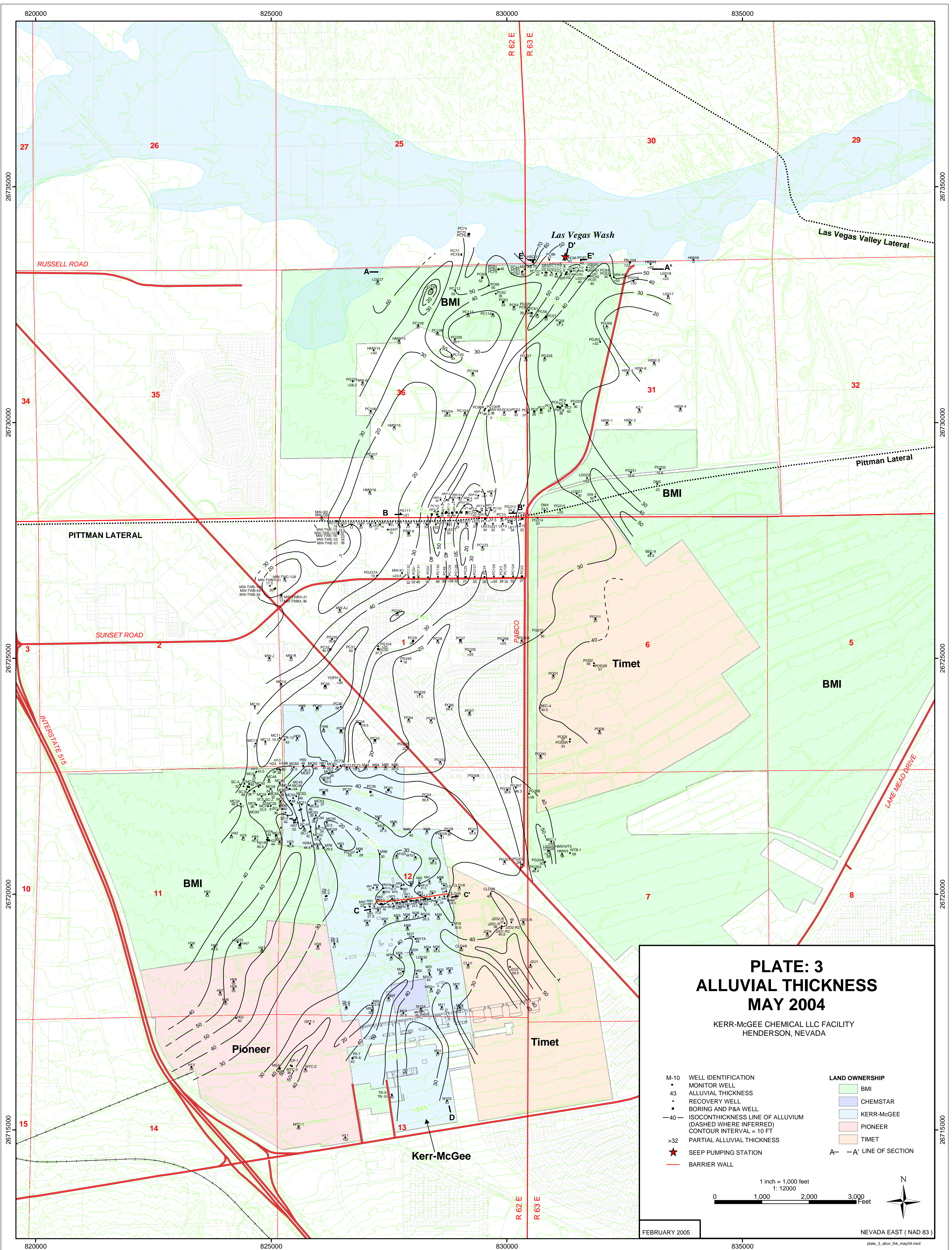
- | | | |
|--------|--|--------------------------|
| M-103 | WELL IDENTIFICATION | LAND OWNERSHIP |
| • | MONITOR WELL | BMI |
| 1822 | ELEVATION OF MUDDY CREEK FM (FT AMSL) | CHEMSTAR |
| ▲ | RECOVERY WELL | KERR-McGEE |
| ■ | BORING AND P&A WELL | PIONEER |
| —1610— | ISOELEVATION LINE ON SURFACE OF MUDDY CREEK (DASHED WHERE INFERRED) CONTOUR INTERVAL = 10 FEET | TIMET |
| ★ | SEEP PUMPING STATION | A - - A' LINE OF SECTION |
| — | BARRIER WALL | |



FEBRUARY 2005

NEVADA EAST (NAD 83)

plate_2_surf_muddy_creek_fm.mxd

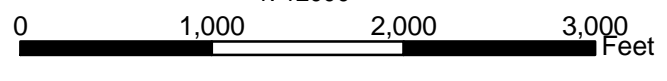


**PLATE: 3
ALLUVIAL THICKNESS
MAY 2004**

KERR-McGEE CHEMICAL LLC FACILITY
HENDERSON, NEVADA

- | | | |
|------|---|-----------------------|
| M-10 | WELL IDENTIFICATION | LAND OWNERSHIP |
| ● | MONITOR WELL | BMI |
| 43 | ALLUVIAL THICKNESS | CHEMSTAR |
| ▲ | RECOVERY WELL | KERR-McGEE |
| ▲ | BORING AND P&A WELL | PIONEER |
| -40- | ISOCONTHICKNESS LINE OF ALLUVIUM
(DASHED WHERE INFERRED)
CONTOUR INTERVAL = 10 FT | TIMET |
| >32 | PARTIAL ALLUVIAL THICKNESS | |
| ★ | SEEP PUMPING STATION | |
| — | BARRIER WALL | A— A' LINE OF SECTION |

1 inch = 1,000 feet
1:12,000



FEBRUARY 2005

NEVADA EAST (NAD 83)

plate_3_alluv_thk_may04.mxd

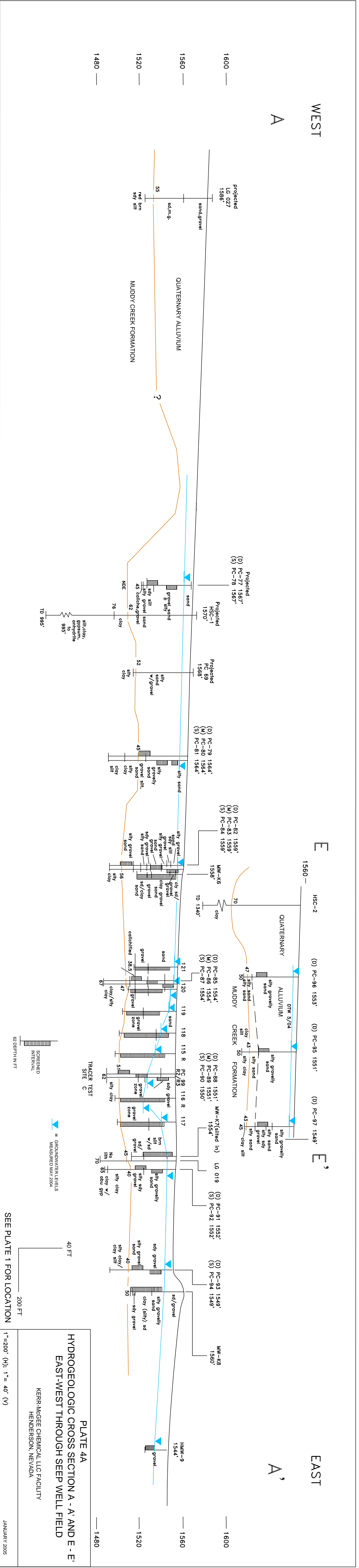


PLATE 4A
 HYDROGEOLOGIC CROSS SECTION A - A' AND E - E''
 EAST-WEST THROUGH SEEP WELL FIELD
 KERR-MAGEE CHEMICAL LLC FACILITY
 HENDERSON, NEVADA
 JANUARY 2005

WEST
B

EAST
B'

- L641 (projected)
- L639 (projected)
- L637 (projected)
- L635 (projected)
- PC20
- PC19
- PC55
- PC18
- PC17
- PC16
- PC15
- PC14
- PC13
- B6
- B5
- PC12
- B8(projected)
- PC11(projected)
- PC-122
- PC10(projected)

ART-1 (projected)

ART-2

ART-3

ART-4

ART-5

ART-6

ART-7

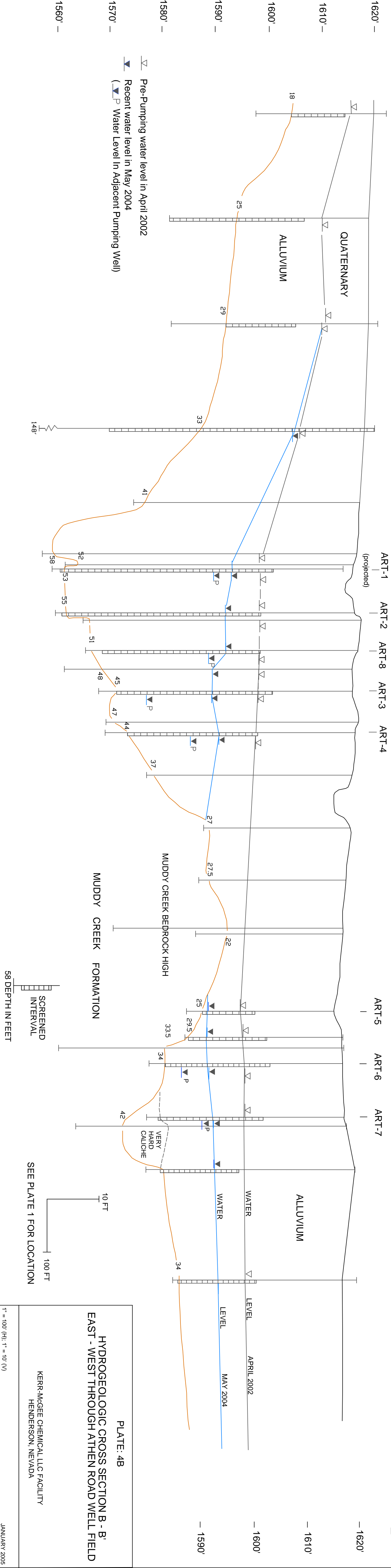


PLATE: 4B
 HYDROGEOLOGIC CROSS SECTION B - B'
 EAST - WEST THROUGH ATHEN ROAD WELL FIELD
 KERR-MCGEE CHEMICAL, LLC FACILITY
 HENDERSON, NEVADA
 JANUARY 2005
 plate_4b_hydrogeological_X_section_B'.dwg

WEST
C

EAST
C

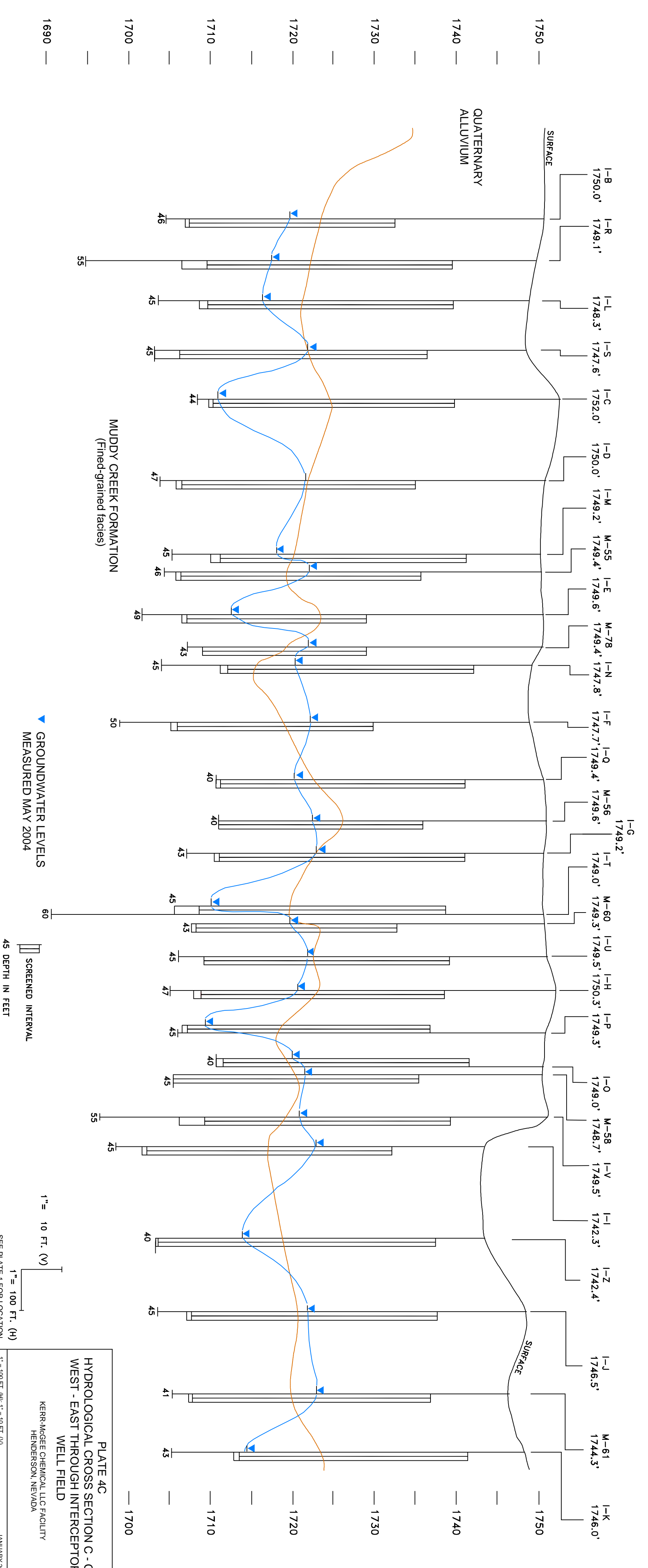


PLATE 4C
HYDROLOGICAL CROSS SECTION C - C'
WEST - EAST THROUGH INTERCEPTOR
WELL FIELD
KERR-MANAGE OPERATIONAL FACILITY
HERNDEN, NEVADA
JANUARY 2006

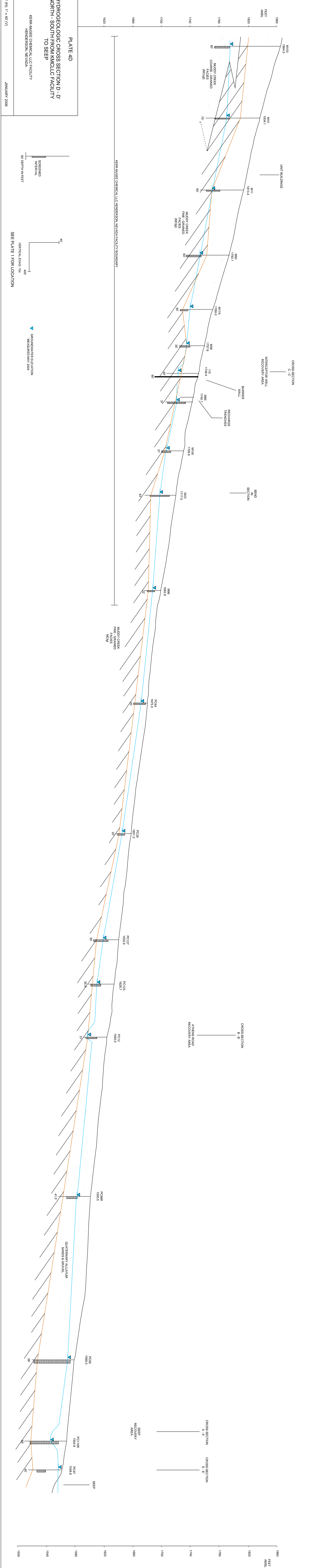
1" = 10 FT. (V)
1" = 100 FT. (H)
SEE PLATE FOR LOCATION

SCREENED INTERVAL
45 DEPTH IN FEET

GROUNDWATER LEVELS
MEASURED MAY 2004

D
SOUTH

D
NORTH



1" = 400' (H) 1" = 40' (V)
 JANUARY 2008

SEE PLATE 1 FOR LOCATION

HYDROGEOLOGIC CROSS SECTION D-D'
 NORTH-SOUTH TO SEEP

KERAMIDE CERAMIC TILE HENDERSON NEIGHBORHOOD BOUNDARY

UNIT BUILDINGS

MAJORY CREEK FINE-GRAINED (MCGF)

SCREENED INTAKEWELL 60 DEPTH IN FEET

SPRINGWATER LUTION METEORICALLY ZONE

SEE PLATE 1 FOR LOCATION

INTERCEPTOR WELL RECOVERY AREA

BARRIER WALL

INSULATED TRENCHES

ROAD AND SIDEWALK SECTION

CONDUIT SECTION

INTERCEPTOR WELL RECOVERY AREA

SEEP

SEEP RECOVERY AREA

GAVINBUR ALUMINA SANDS & GRAVEL

FEET ABOVE

FEET BELOW

1800

1780

1760

1740

1720

1700

1680

1660

1640

1620

1600

1580

1560

1540

1520

1500

M10

M11

M12

M13

M14

M15

M16

M17

M18

M19

R1

R2

R3

R4

R5

R6

R7

R8

R9

R10

1790

1780

1770

1760

1750

1740

1730

1720

1710

1700

1690

1680

1670

1660

1650

1640

1630

1620

1610

1600

1590

1580

1570

1560

1550

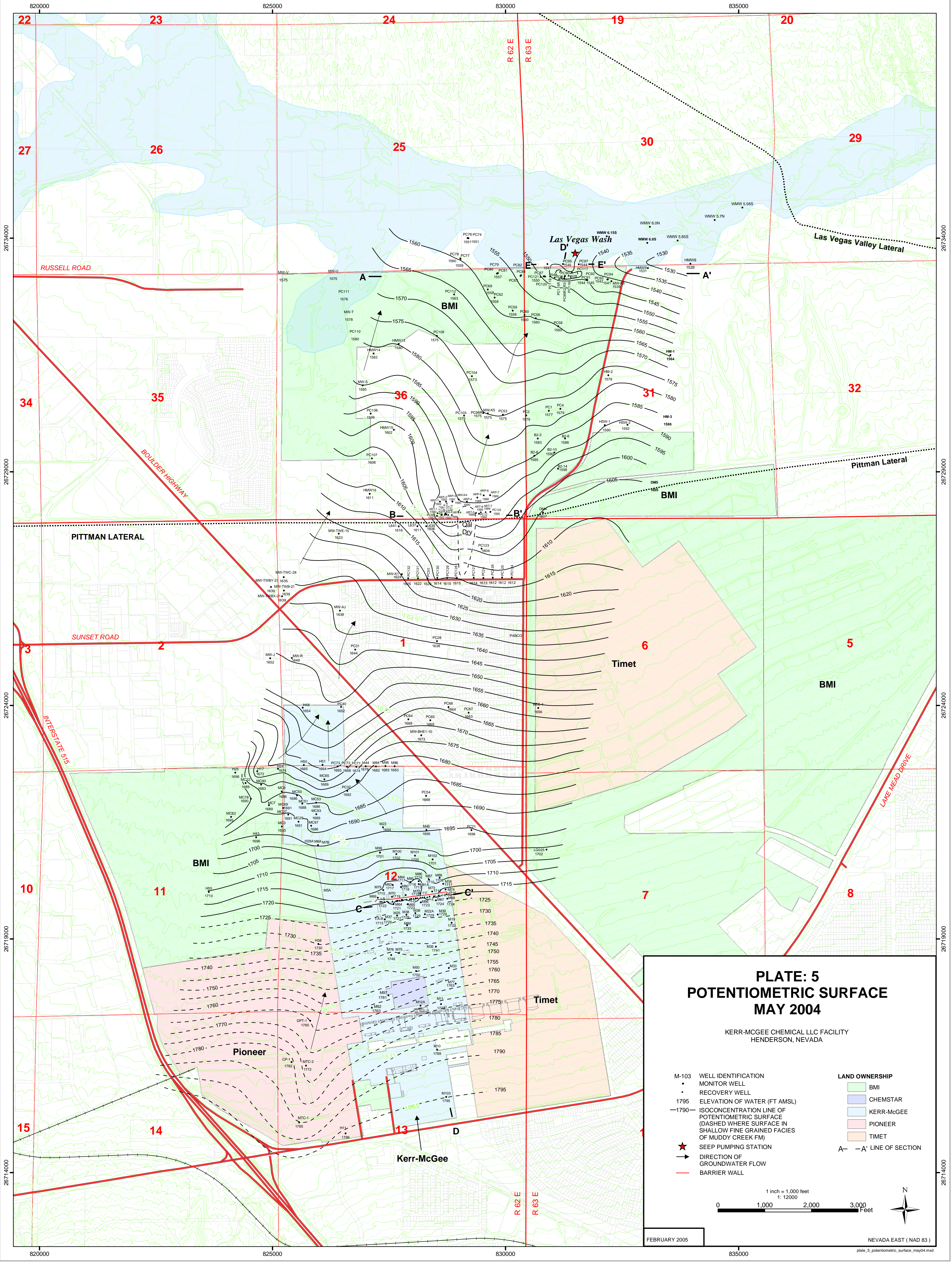
1540

1530

1520

1510

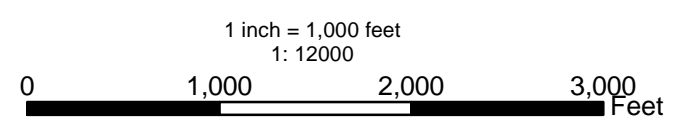
1500



**PLATE: 5
POTENTIOMETRIC SURFACE
MAY 2004**

KERR-MCGEE CHEMICAL LLC FACILITY
HENDERSON, NEVADA

- | | | |
|--------|---|----------------------|
| M-103 | WELL IDENTIFICATION | LAND OWNERSHIP |
| • | MONITOR WELL | BMI |
| ▲ | RECOVERY WELL | CHEMSTAR |
| 1795 | ELEVATION OF WATER (FT AMSL) | KERR-MCGEE |
| -1790- | ISOCONCENTRATION LINE OF POTENTIOMETRIC SURFACE (DASHED WHERE SURFACE IN SHALLOW FINE GRAINED FACIES OF MUDDY CREEK FM) | PIONEER |
| ★ | SEEP PUMPING STATION | TIMET |
| → | DIRECTION OF GROUNDWATER FLOW | |
| — | BARRIER WALL | A—A' LINE OF SECTION |



FEBRUARY 2005

NEVADA EAST (NAD 83)
plate_5_potentiometric_surface_may04.mxd

BMI COMMON AREA DISPOSAL
(UPPER & LOWER BMI PONDS)

(NE CORNER OF PROPERTY)

OPERATIONS BY:

DELBERT MADSEN & ESTATE OF
DELBERT MADSEN. (2 ACRES)
LOU #67

SOUTHERN NEVADA AUTO PARTS (SNAP)
AREA (10 ACRES)
LOU #68

DILLON POTTER SITE (2 ACRES)
LOU #69



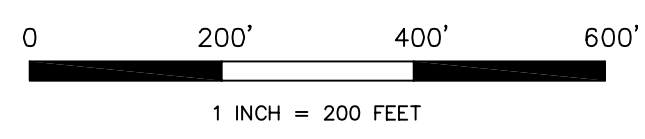
BENCHMARK - BM2
LATITUDE - 36°02'50.35"N
LONGITUDE - 113°00'01.62"W
ALTITUDE - 1,765.220 FT

BENCHMARK - BM1
LATITUDE - 36°02'34.83"N
LONGITUDE - 113°59'58.45"W
ALTITUDE - 1,812.660 FT

PLATE: 6 KERR-McGEE SOURCE AREAS IDENTIFIED IN THE LOU

KERR-McGEE CHEMICAL LLC FACILITY
HENDERSON, NEVADA

- SB6-1 • SOIL SAMPLING LOCATION WITH DESIGNATION
- M-10 ■ MONITORING WELL LOCATION WITH DESIGNATION
- KMCC PROPERTY BOUNDARY
- RAILROAD TRACKS
- BETA DITCH
- LOU #19 ITEMS IDENTIFIED BY NEVADA DIVISION OF ENVIRONMENTAL PROTECTION IN THE 1994 LETTER OF UNDERSTANDING (LOU)
- [NOT SHOWN] LOU #3 - AIR POLLUTION EMISSIONS ASSOCIATED w/ INDUSTRIAL PROCESSES
- SI SURFACE IMPOUNDMENT



JANUARY 2005

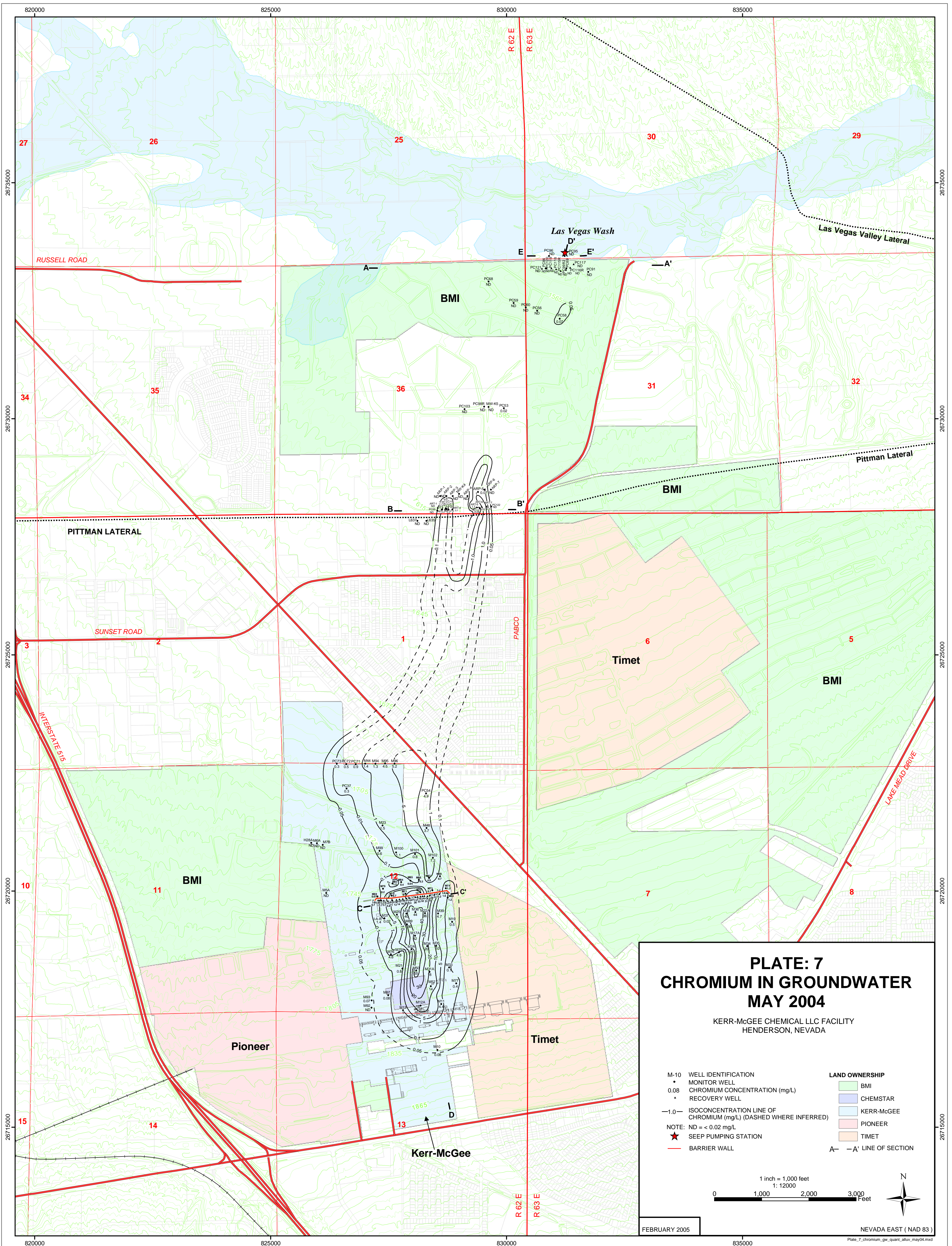
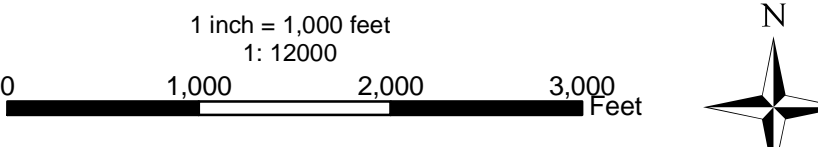


PLATE: 7
CHROMIUM IN GROUNDWATER
MAY 2004

KERR-McGEE CHEMICAL LLC FACILITY
 HENDERSON, NEVADA

- | | | |
|-------|--|-----------------------|
| M-10 | WELL IDENTIFICATION | LAND OWNERSHIP |
| • | MONITOR WELL | BMI |
| ○ | CHROMIUM CONCENTRATION (mg/L) | CHEMSTAR |
| • | RECOVERY WELL | KERR-McGEE |
| -1.0- | ISOCONCENTRATION LINE OF CHROMIUM (mg/L) (DASHED WHERE INFERRED) | PIONEER |
| ★ | NOTE: ND = < 0.02 mg/L | TIMET |
| ★ | SEEP PUMPING STATION | A— A' LINE OF SECTION |
| — | BARRIER WALL | |



FEBRUARY 2005

NEVADA EAST (NAD 83)

Plate_7_chromium_gw_quant_alluv_may04.mxd

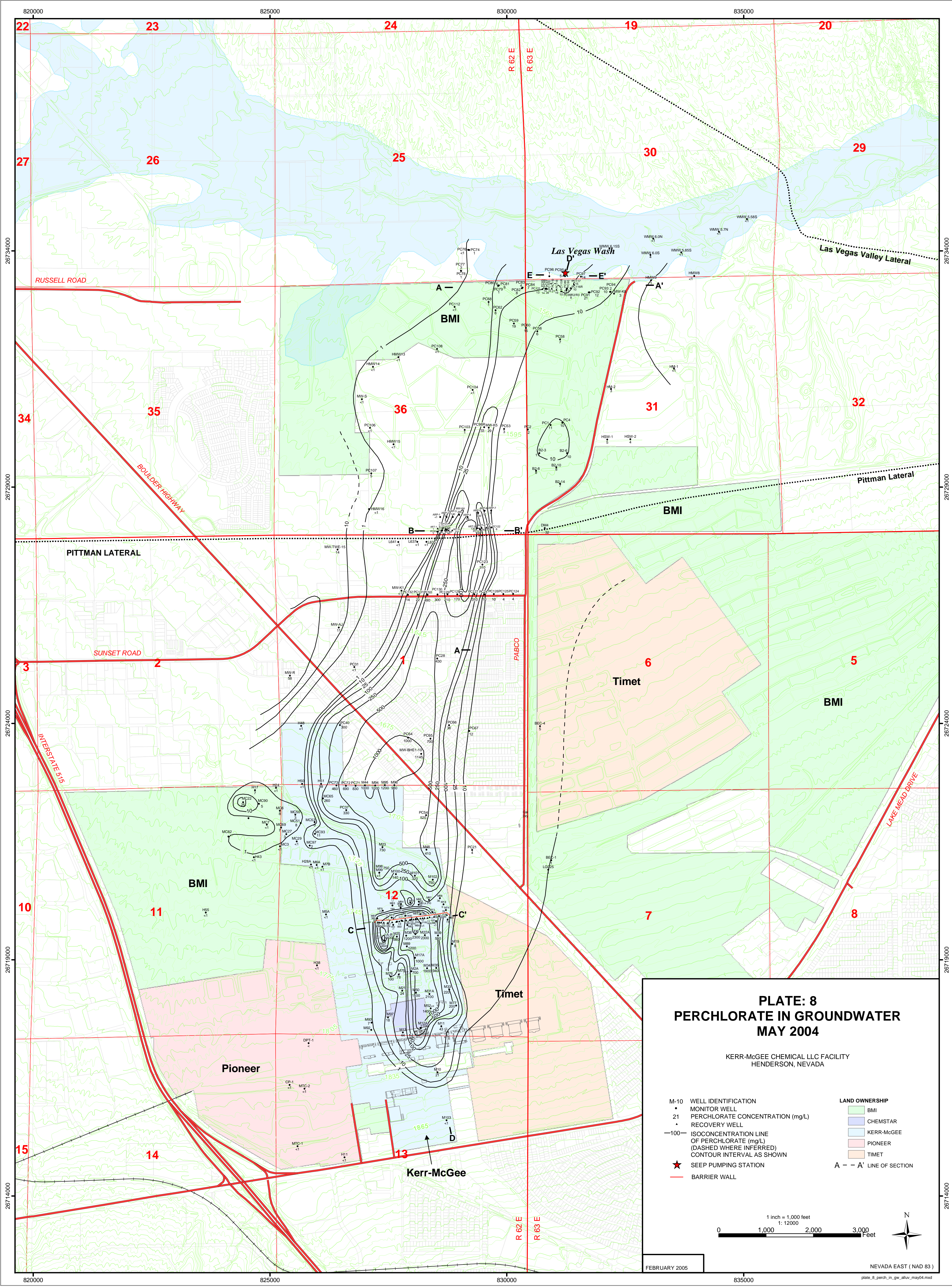


PLATE: 8
PERCHLORATE IN GROUNDWATER
MAY 2004

KERR-McGEE CHEMICAL LLC FACILITY
 HENDERSON, NEVADA

<ul style="list-style-type: none"> M-10 WELL IDENTIFICATION • MONITOR WELL • PERCHLORATE CONCENTRATION (mg/L) • RECOVERY WELL -100- ISOCONCENTRATION LINE OF PERCHLORATE (mg/L) (DASHED WHERE INFERRED) (CONTOUR INTERVAL AS SHOWN) ★ SEEP PUMPING STATION — BARRIER WALL 	<ul style="list-style-type: none"> LAND OWNERSHIP BMI CHEMSTAR KERR-McGEE PIONEER TIMET A - - A' LINE OF SECTION
--	---

1 inch = 1,000 feet
 1:12000

0 1,000 2,000 3,000 Feet

N

NEVADA EAST (NAD 83)

FEBRUARY 2005

plate_8_perchl_in_gw_alluv_may04.mxd

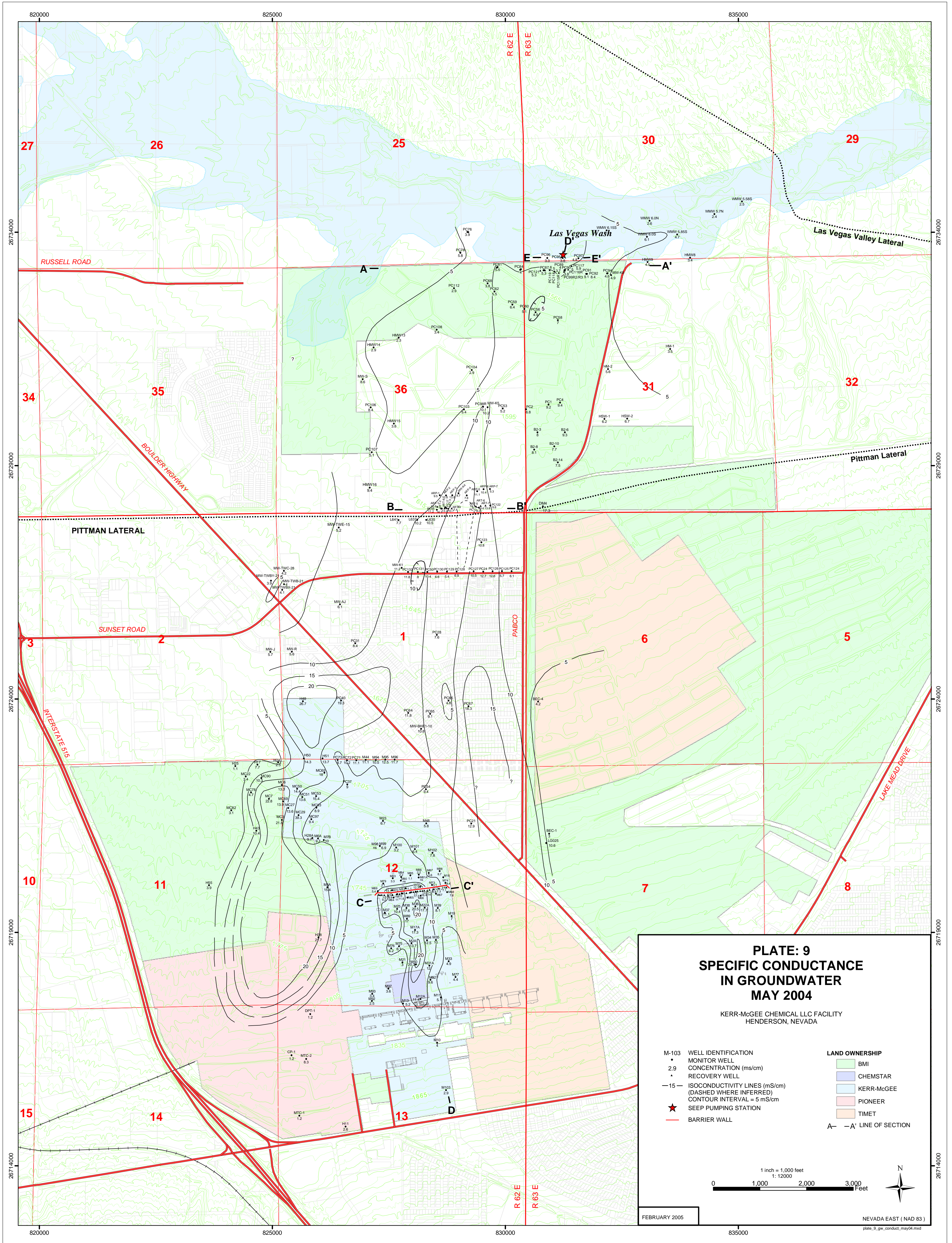
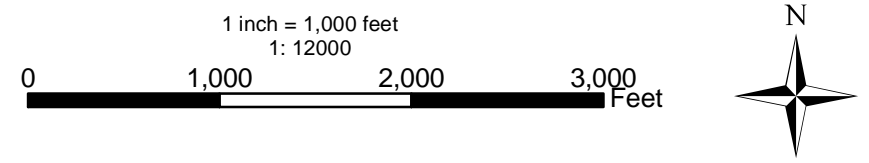


PLATE: 9
SPECIFIC CONDUCTANCE
IN GROUNDWATER
MAY 2004

KERR-McGEE CHEMICAL LLC FACILITY
 HENDERSON, NEVADA

- M-103 WELL IDENTIFICATION
- MONITOR WELL
- 2.9 CONCENTRATION (ms/cm)
- RECOVERY WELL
- 15- ISOCONDUCTIVITY LINES (mS/cm)
 (DASHED WHERE INFERRED)
 CONTOUR INTERVAL = 5 mS/cm
- ★ SEEP PUMPING STATION
- BARRIER WALL

- LAND OWNERSHIP**
- BMI
- CHEMSTAR
- KERR-McGEE
- PIONEER
- TIMET
- A- -A' LINE OF SECTION



FEBRUARY 2005

NEVADA EAST (NAD 83)

plate_9_gw_conduct_may04.mxd

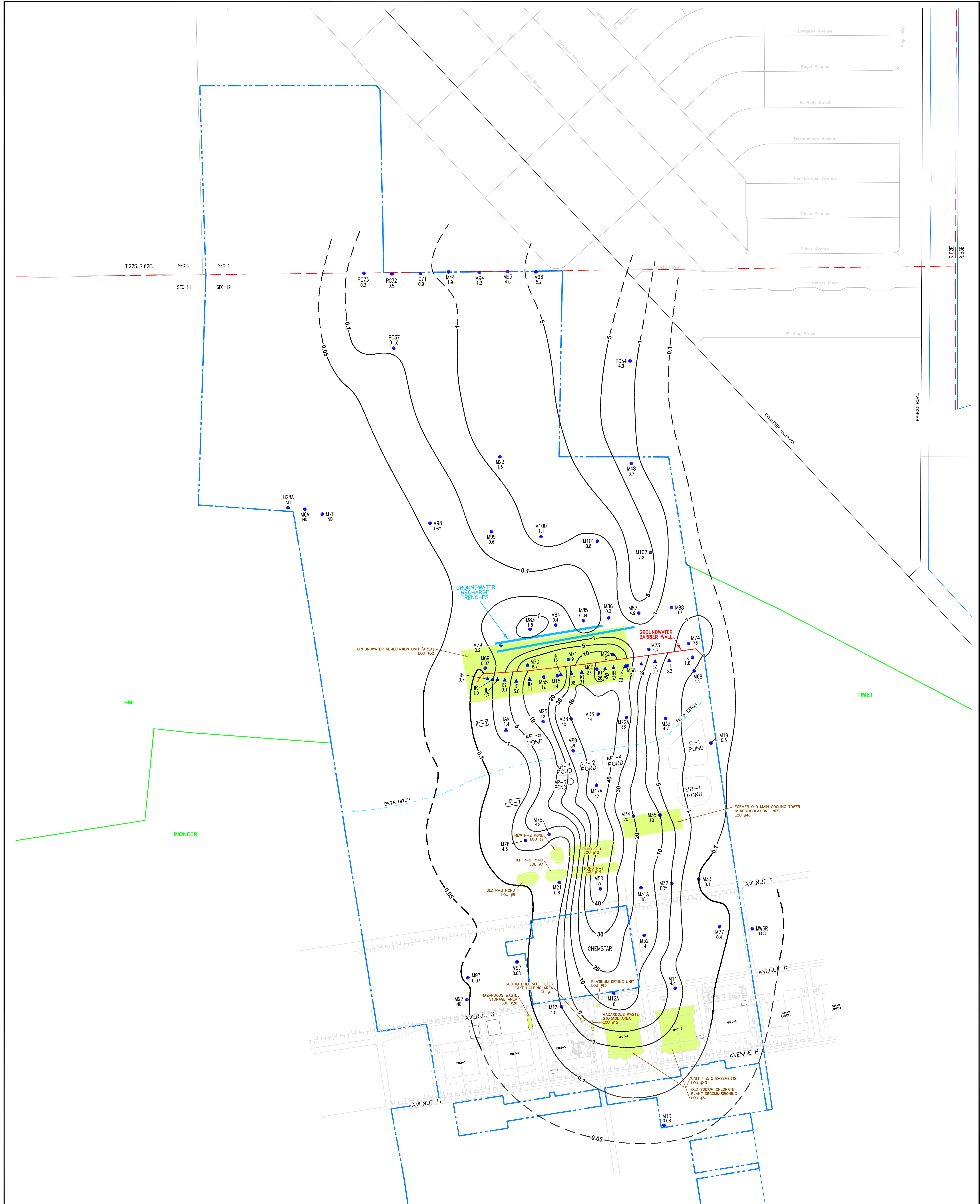


PLATE: 10
CHROMIUM IN GROUNDWATER
WITH POTENTIAL SOURCE AREAS
MAY 2004

KERR-McGEE CHEMICAL LLC FACILITY
 HENDERSON, NEVADA

- GROUNDWATER MONITOR WELL
- M50
55 WELL IDENTIFICATION
- ▲ CHROMIUM CONCENTRATION (in mg/l)
- ▲ RECOVERY WELL
- ND NOT DETECTED AT A CONCENTRATION ABOVE 0.05 mg/l
- - - ISO-CONCENTRATION CONTOUR, DASHED WHERE INFERRED CONTOUR INTERVAL AS SHOWN
- - - KERR-McGEE PROPERTY BOUNDARY
- - - NEIGHBORING PROPERTY LINES
- - - BETA DITCH
- - - RAILROAD TRACKS
- - - POTENTIAL CHROMIUM SOURCE AREA (HATCHED WHERE AREA IS LESS DEFINED)

0 300' 600' 900'
 1 INCH = 300 FEET

N

JANUARY 2005

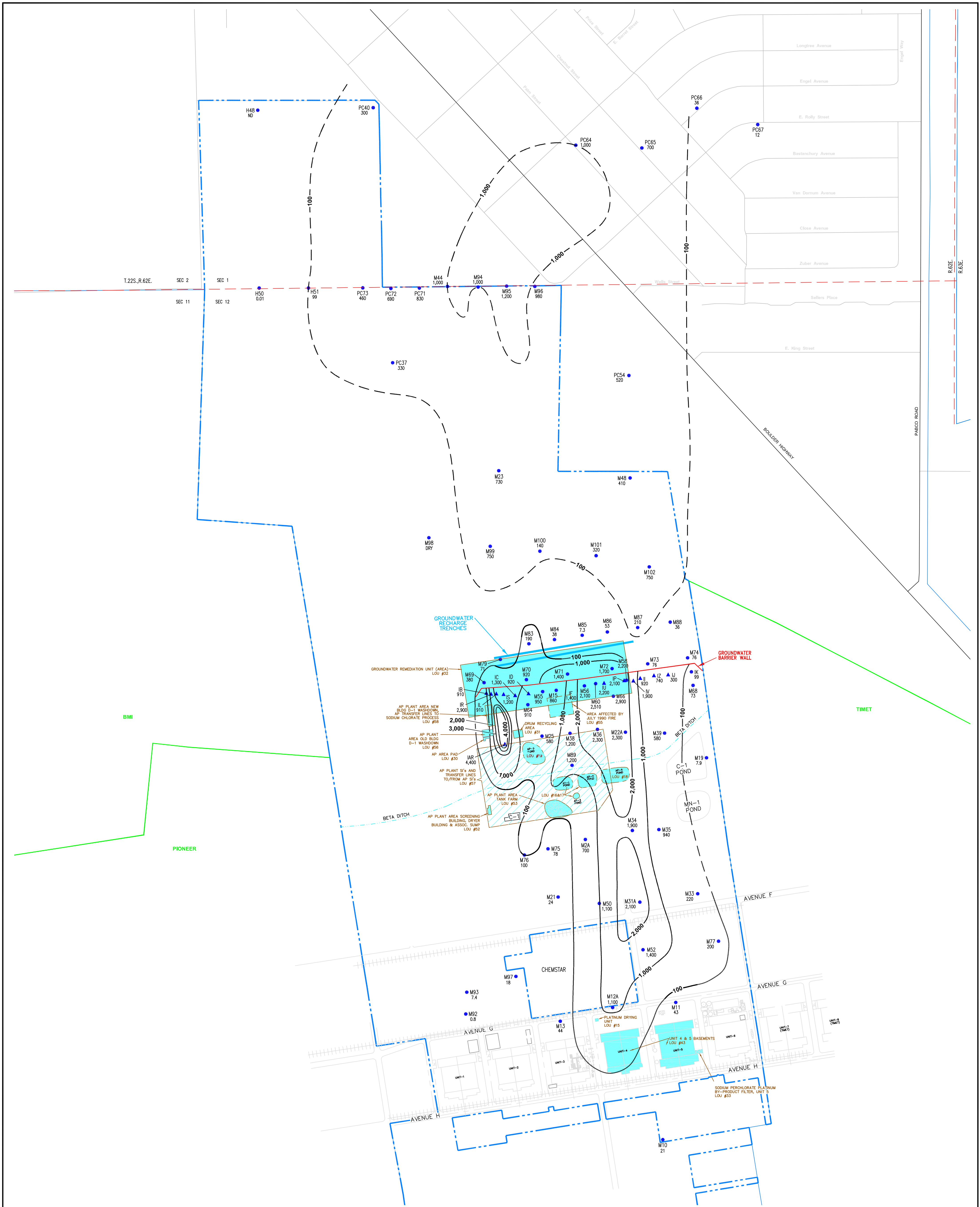


PLATE: 11
PERCHLORATE IN GROUNDWATER
WITH POTENTIAL SOURCE AREAS
MAY 2004

KERR-McGEE CHEMICAL LLC FACILITY
 HENDERSON, NEVADA

- M55 950 GROUNDWATER MONITOR WELL
- WELL IDENTIFICATION
- ▲ PERCHLORATE CONCENTRATION (in mg/l)
- ▲ RECOVERY WELL
- ND NOT DETECTED AT A CONCENTRATION ABOVE 0.004 mg/l
- ISO--CONCENTRATION CONTOUR, DASHED WHERE INFERRED
 CONTOUR INTERVAL AS SHOWN
- KERR-McGEE PROPERTY BOUNDARY
- NEIGHBORING PROPERTY LINES
- BETA DITCH
- RAILROAD TRACKS
- POTENTIAL PERCHLORATE SOURCE AREA (HATCHED WHERE AREA IS LESS DEFINED)

0 300' 600' 900'
 1 INCH = 300 FEET

JANUARY 2005

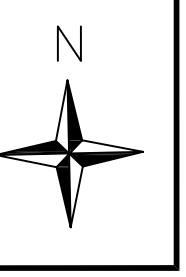




PLATE: 12
SPECIFIC CONDUCTIVITY IN
GROUNDWATER AND POTENTIAL
SOURCE AREAS
MAY 2004

KERR-McGEE CHEMICAL LLC FACILITY
 HENDERSON, NEVADA

- GROUNDWATER MONITOR WELL
- WELL IDENTIFICATION
- ▲ SPECIFIC CONDUCTIVITY $\mu\text{mhos/cm}$
- ▲ RECOVERY WELL
- ISO-CONCENTRATION CONTOUR, DASHED WHERE INFERRED
- CONTOUR INTERVAL AS SHOWN
- 5,000
- KERR-McGEE PROPERTY BOUNDARY
- NEIGHBORING PROPERTY LINES
- BETA DITCH
- RAILROAD TRACKS
- POTENTIAL CHLORATE SOURCE AREA
- POTENTIAL TOTAL DISSOLVED SOLIDS (TDS) SOURCE AREA

0 300' 600' 900'

1 INCH = 300 FEET

JANUARY 2005

N

 2Conductivity Data.dwg

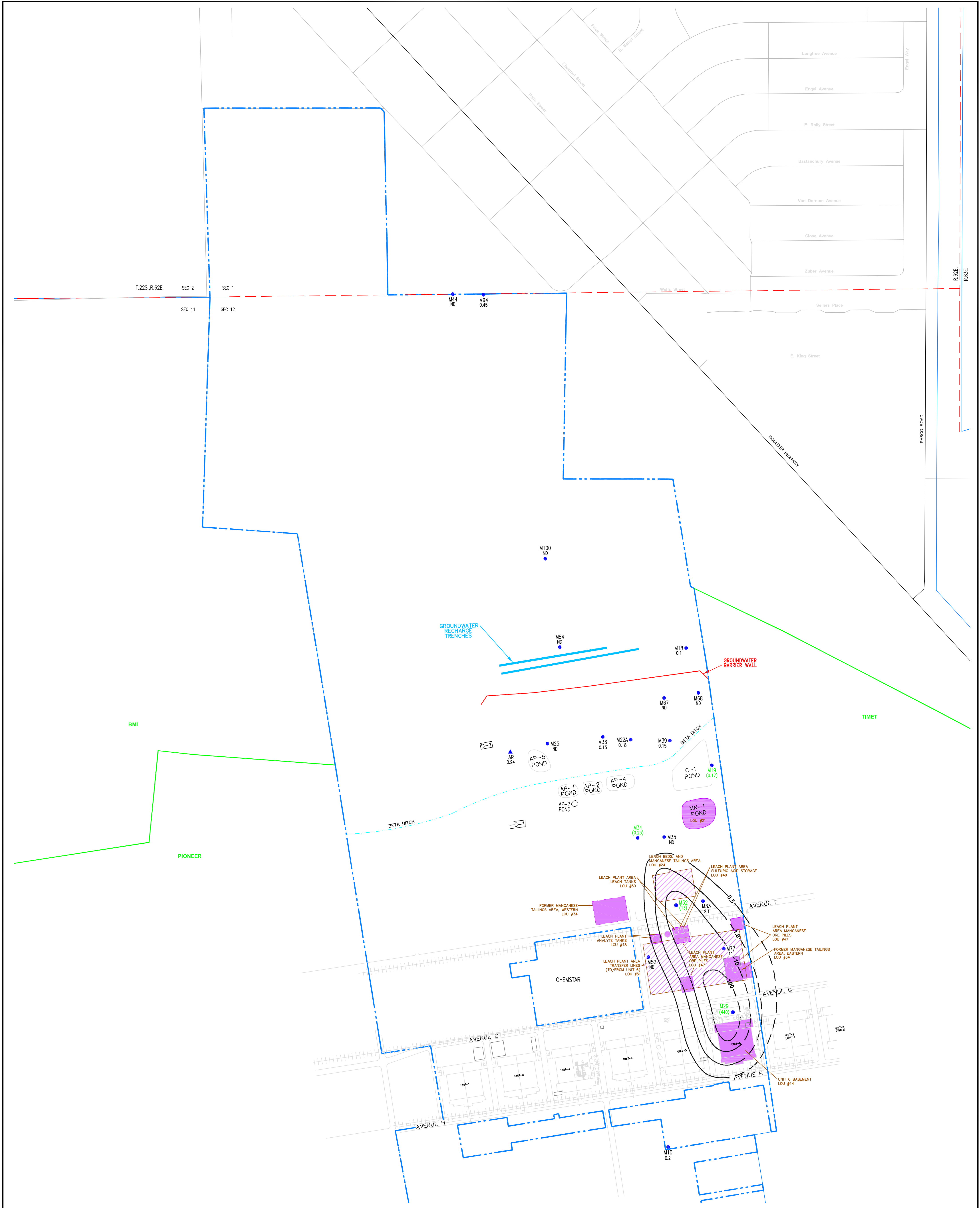
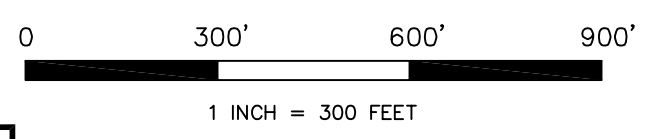


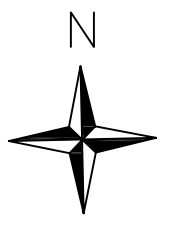
PLATE: 13
MANGANESE IN GROUNDWATER
WITH POTENTIAL SOURCE AREAS
MAY 2003

KERR-McGEE CHEMICAL LLC
 HENDERSON, NEVADA

- GROUNDWATER MONITOR WELL
- WELL IDENTIFICATION
- MANGANESE CONCENTRATION (in mg/l) FROM MAY 2003
- ▲ RECOVERY WELL
- ND NOT DETECTED AT A CONCENTRATION ABOVE 0.15 mg/l
- (440) MANGANESE CONCENTRATION (in mg/l) FROM MAY 2002
- ISO-CONCENTRATION CONTOUR, DASHED WHERE INFERRED
- CONTOUR INTERVAL AS SHOWN
- KERR-McGEE PROPERTY BOUNDARY
- NEIGHBORING PROPERTY LINES
- BETA DITCH
- RAILROAD TRACKS
- POTENTIAL MANGANESE SOURCE AREA (HATCHED WHERE AREA IS LESS DEFINED)



JANUARY 2005



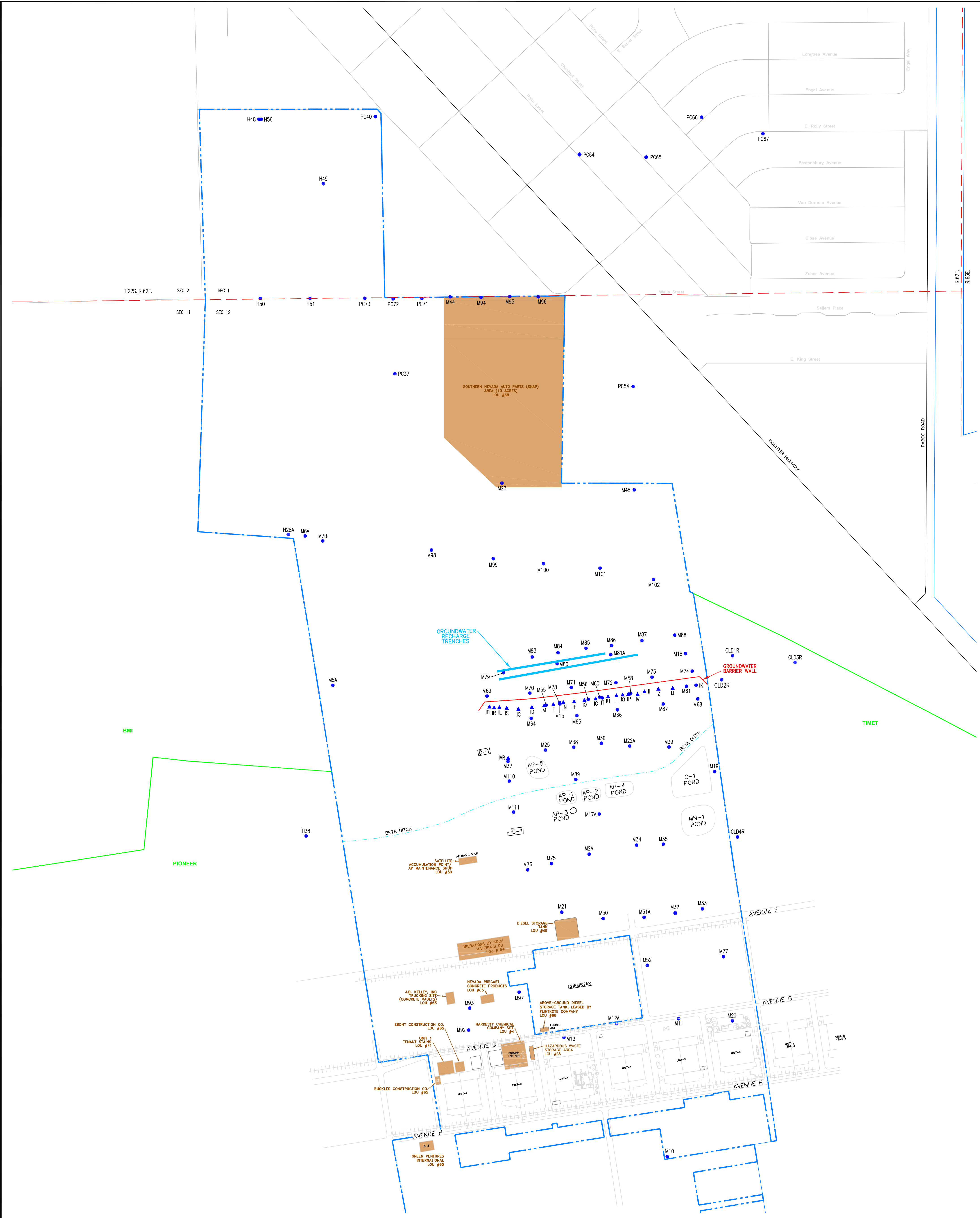
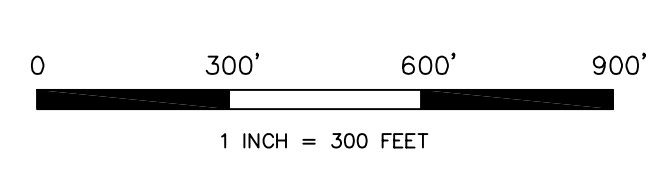


PLATE: 14
PETROLEUM HYDROCARBON
POTENTIAL SOURCE AREAS

KERR-McGEE CHEMICAL LLC FACILITY
 HENDERSON, NEVADA

- GROUNDWATER MONITOR WELL
WELL IDENTIFICATION
- RECOVERY WELL
- KERR-McGEE PROPERTY BOUNDARY
- NEIGHBORING PROPERTY LINES
- BETA DITCH
- RAILROAD TRACKS
- POTENTIAL SOURCE AREA



JANUARY 2005

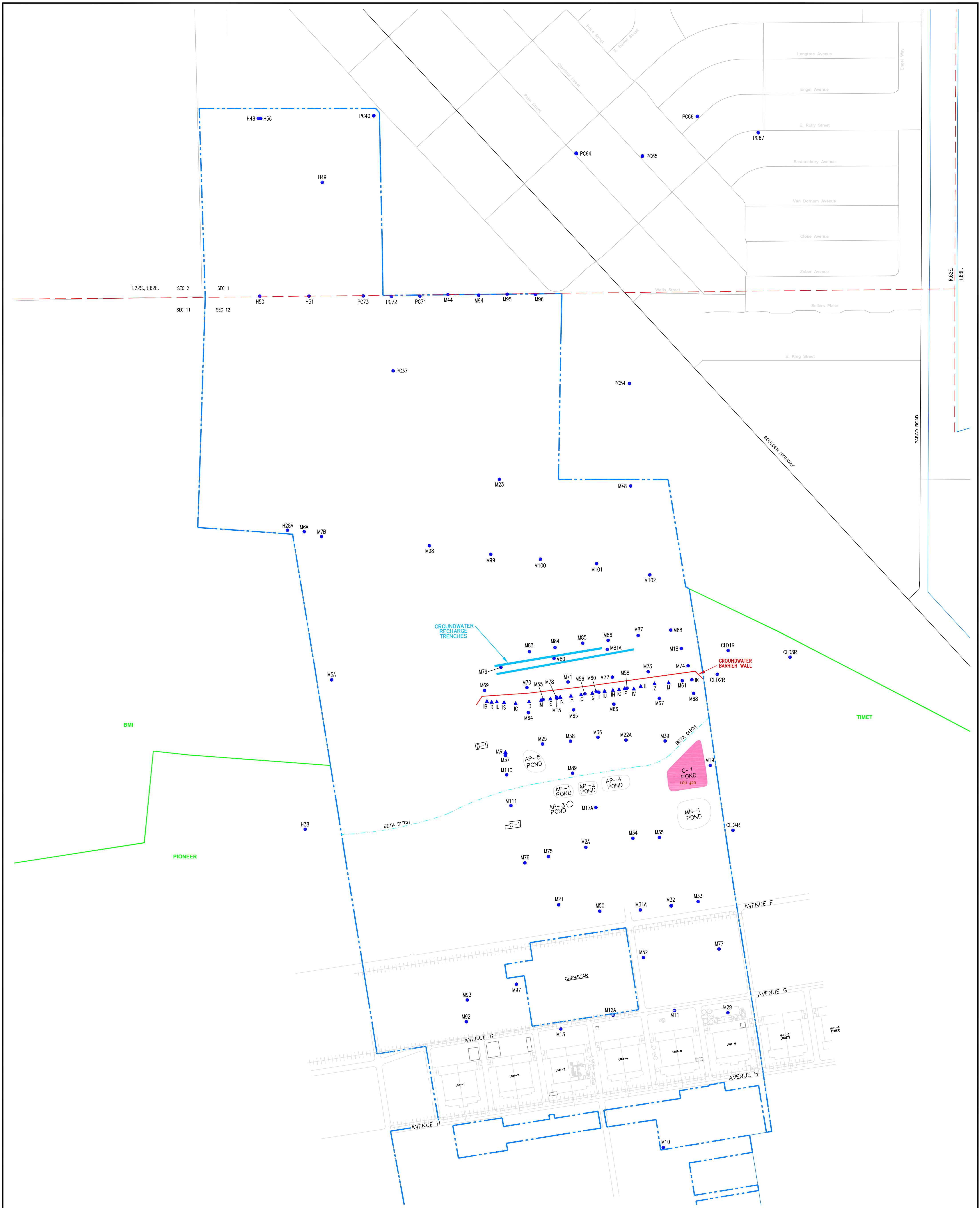


PLATE: 15
BORON POTENTIAL
SOURCE AREA

KERR-McGEE CHEMICAL LLC FACILITY
 HENDERSON, NEVADA

- GROUNDWATER MONITOR WELL
- ▲ WELL IDENTIFICATION
- ▲ RECOVERY WELL
- KERR-McGEE PROPERTY BOUNDARY
- NEIGHBORING PROPERTY LINES
- BETA DITCH
- RAILROAD TRACKS
- POTENTIAL BORON SOURCE AREA

0 300' 600' 900'

1 INCH = 300 FEET

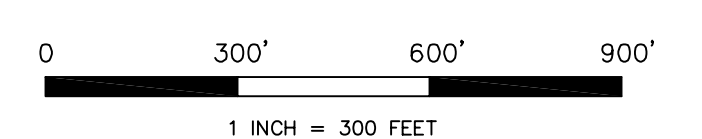
JANUARY 2005



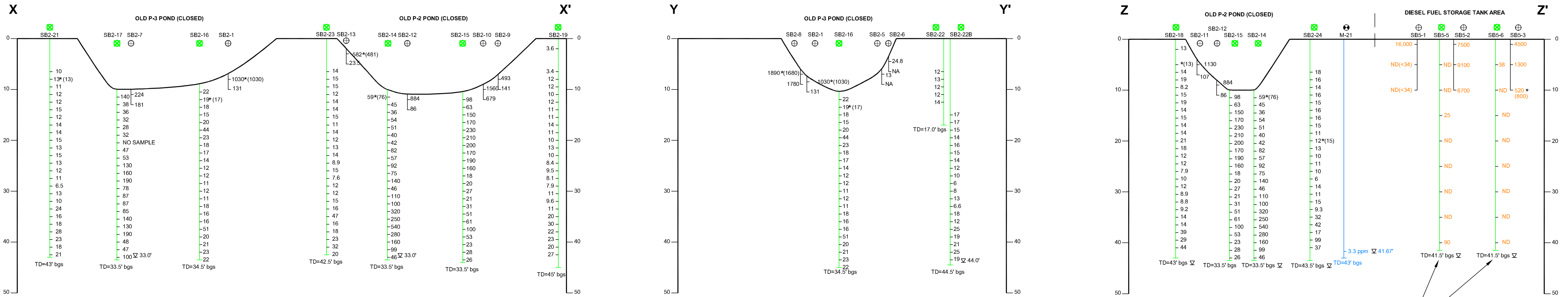
PLATE: 16
MISCELLANEOUS POTENTIAL SOURCE AREAS

KERR-McGEE CHEMICAL LLC FACILITY
HENDERSON, NEVADA

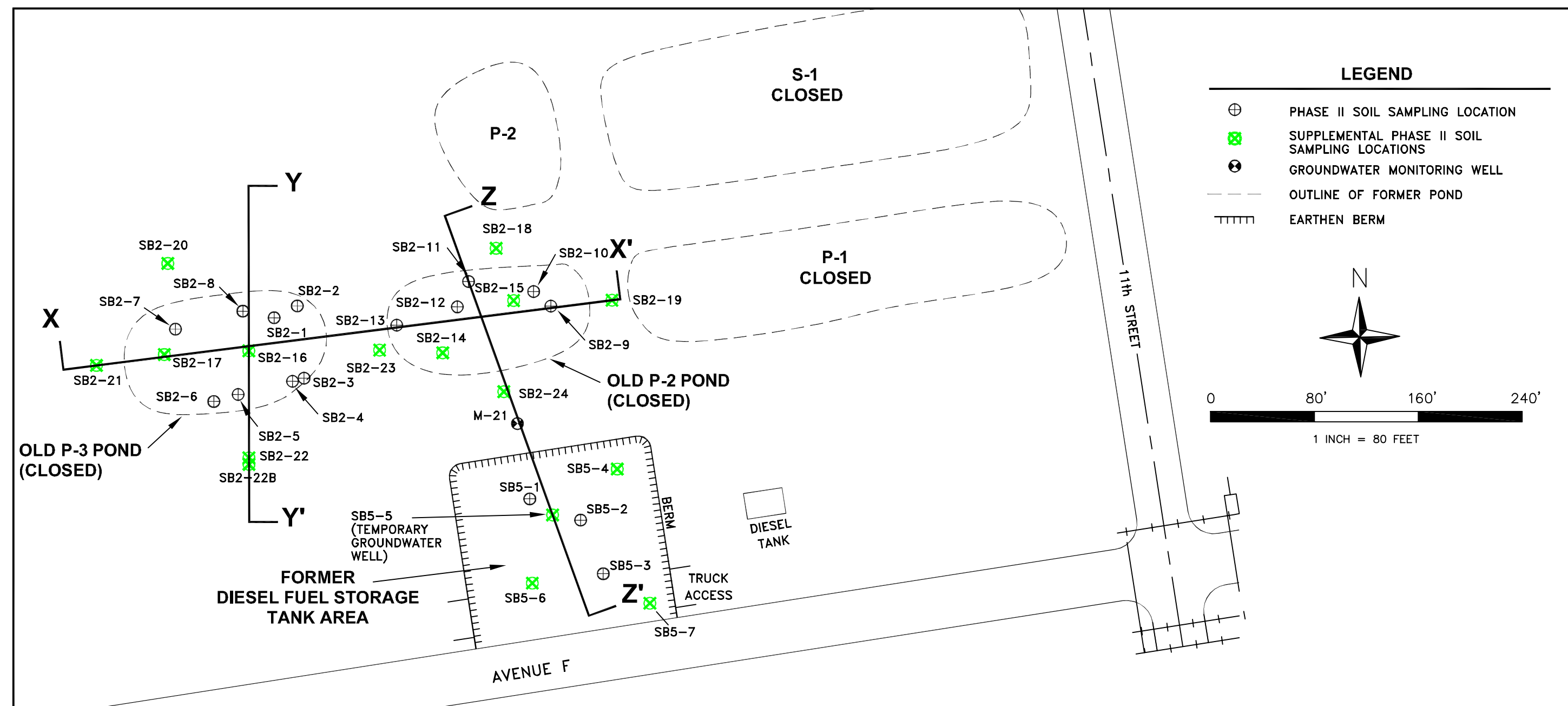
- GROUNDWATER MONITOR WELL
- WELL IDENTIFICATION
- RECOVERY WELL
- KERR-McGEE PROPERTY BOUNDARY
- NEIGHBORING PROPERTY LINES
- BETA DITCH
- RAILROAD TRACKS
- [NOT SHOWN] LOU #3 - AIR POLLUTION EMISSIONS ASSOCIATED W/ INDUSTRIAL PROCESSES
- POTENTIAL MISCELLANEOUS SOURCE AREA (HATCHED WHERE AREA IS LESS DEFINED)



JANUARY 2005



SAMPLED FOR BTEX, TPH AND PAH'S (METHODS 8015, 8020 AND 8270 RESPECTIVELY). TPH VALUES ARE SHOWN. ALL BTEX AND PAH'S WERE NON-DETECT (<5 mg/kg AND <0.5 µg/kg, RESPECTIVELY).



LEGEND

- ⊕ PHASE II SOIL SAMPLING LOCATION
- ⊗ SUPPLEMENTAL PHASE II SOIL SAMPLING LOCATIONS
- ⊖ GROUNDWATER MONITORING WELL
- OUTLINE OF FORMER POND
- TTTTTT EARTHEN BERM

N

0 80' 160' 240'

1 INCH = 80 FEET

ts\04020 - Kerr-McGee\023 - ECA Henderson, NV\figures\Figure 1 Site Location m

CROSS-SECTION LOCATION MAP AREA

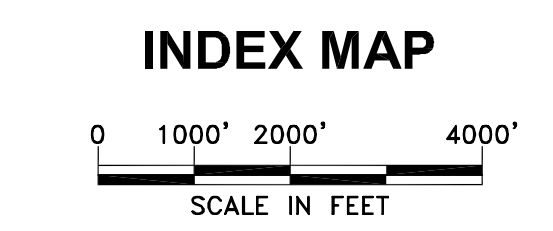


PLATE: 17
CROSS SECTIONS OF OLD P-2, P-3 PONDS AND FORMER DIESEL FUEL STORAGE TANK AREA

KERR-McGEE CHEMICAL LLC FACILITY
HENDERSON, NEVADA

<ul style="list-style-type: none"> SB2-21 DEEP BORING, HOLLOW STEM AUGER (DRILLED 1999) SB2-7 SHALLOW, HAND AUGERED (DRILLED 1997) M-21 GROUNDWATER MONITORING WELL (DRILLED 1983) 10 TOTAL CHROMIUM CONCENTRATION (n mg/kg) METHOD 6010 3.3 ppm TOTAL PETROLEUM HYDROCARBON (TPH) CONCENTRATION (n mg/kg). METHOD 8015 FOR DEEP BORINGS AND 8015 M-D FOR SHALLOW HAND AUGERING. 3.3 ppm GROUNDWATER SAMPLE TESTED FOR TOTAL CHROMIUM NA NOT ANALYZED ND NON DETECT FOR ALL TPH RANGES (<10 mg/kg) * DUPLICATE SAMPLE TAKEN, DUPLICATE RESULT SHOWN IN PARENTHESIS ∇ 33.0' GROUNDWATER LEVEL FIRST MEASURED bgs BELOW GROUND SURFACE 	
--	--

JANUARY 2005

x-sections.dwg