0816 TTW

REPORT

SECOND SEMIANNUAL 2007 GROUNDWATER MONITORING REPORT

FORMER ASHLAND CHEMICAL COMPANY
10505 SOUTH PAINTER AVENUE
SANTA FE SPRINGS, CALIFORNIA

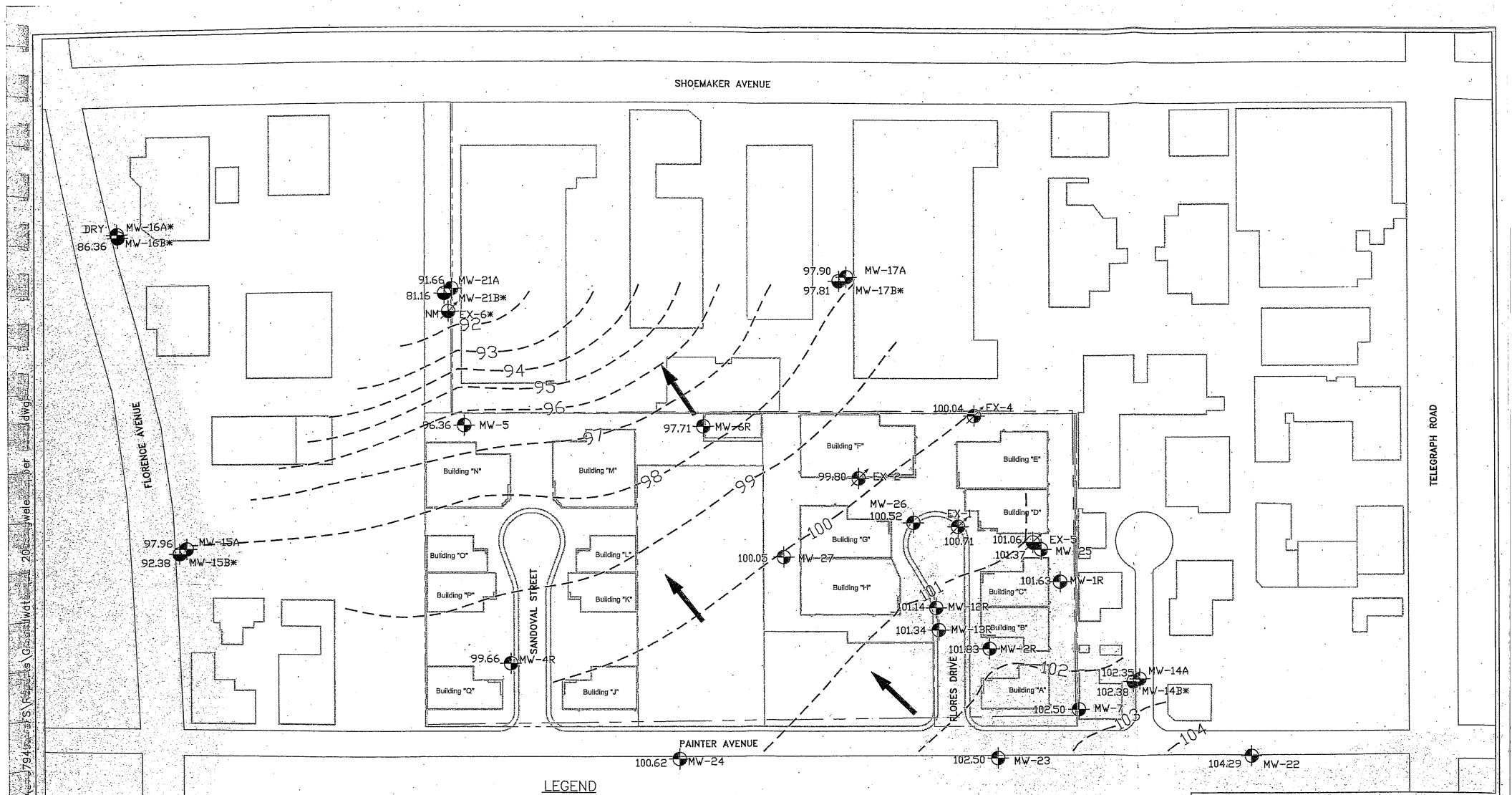
Prepared for

ASHLAND

Ashland Inc.
5200 Blazer Parkway
Dublin, Ohio

January 15, 2008

URS
2020 East First Street
Suite 400
Santa Ana, California 92705
37680106



LEGEND

INDICATES DIRECTION OF GROUNDWATER FLOW

* WELL ELEVATION EXCLUDED FROM CONTOURING

SITE BOUNDARY

97.90 MW-17A — GROUNDWATER MONITORING WELL – UPPER PORTION OF SHALLOW ZONE WITH GROUNDWATER ELEVATION IN FEET MEAN SEA LEVEL (FT MSL)

99.80 EX-2 — GROUNDWATER EXTRACTION WELL – UPPER PORTION OF SHALLOW ZONE WITH GROUNDWATER ELEVATION IN FEET MEAN SEA LEVEL (FT MSL)

MW-17B — GROUNDWATER MONITORING WELL – LOWER PORTION OF SHALLOW ZONE

EX-5 — GROUNDWATER EXTRACTION WELL – LOWER PORTION OF SHALLOW ZONE

N

0 80 160

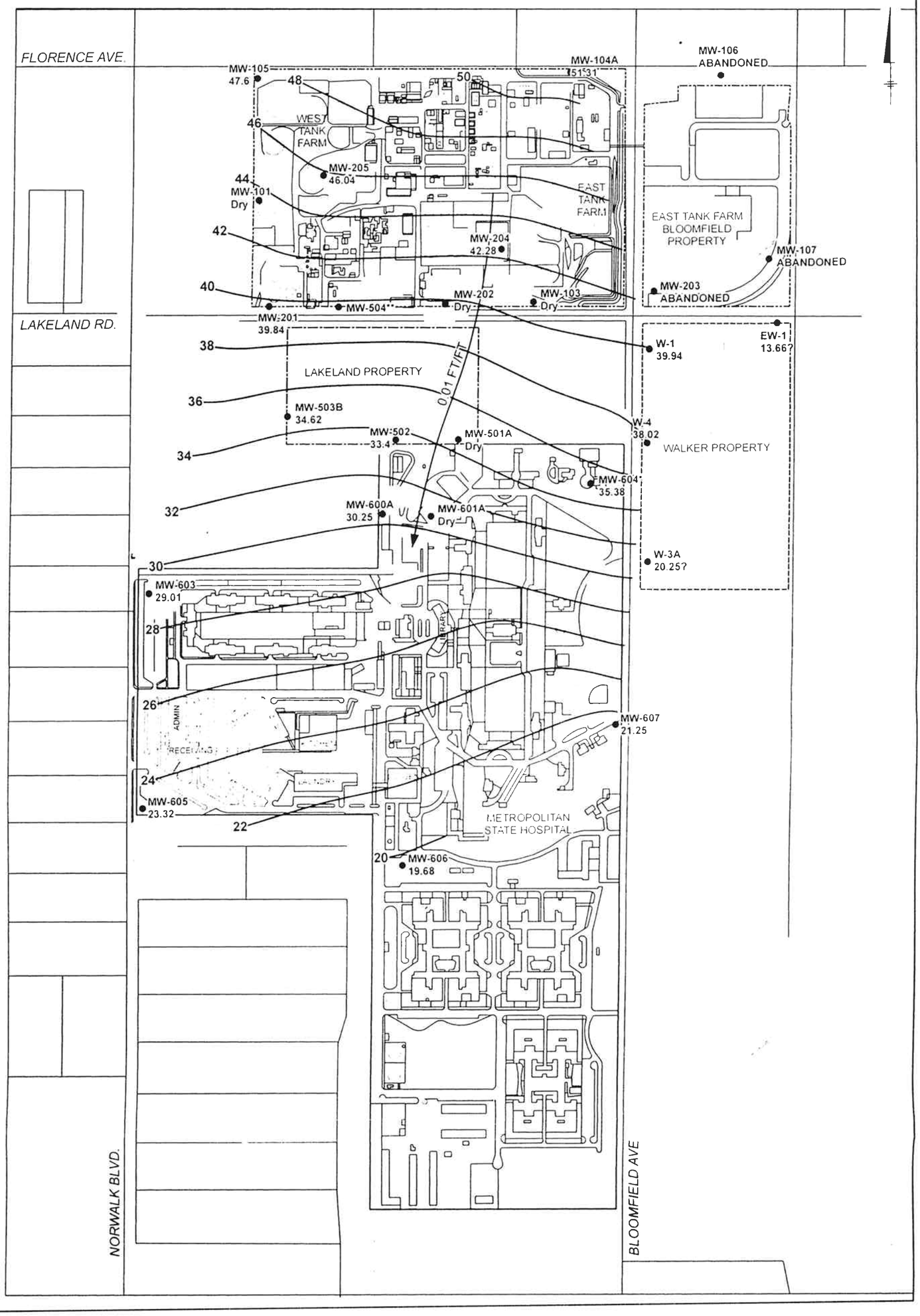
1" = 160'

URS CORPORATION

GROUNDWATER EQUIPOTENTIAL MAP
AUGUST 7, 2007

Proj. No.: 37680106	Date: NOVEMBER 2007
Project: FORMER ASHLAND CHEMICAL SANTA FE SPRINGS, CA	CAD ID.:
	Figure: 4A

T:\Projects\Ashland\Santa Fe Springs\GW Reports\2007 Annual GW Report\Figures\Figure 4A - Groundwater Equipotential Map - August 2007.dwg



LEGEND:

- MW-607 23.47 MONITORING WELL LOCATION ID GROUNDWATER ELEVATION (ft-msl)
- 24 GROUNDWATER ELEVATION CONTOUR (ft-msl)
- CENCO PROPERTY
- FORMER LAKELAND PROPERTY
- METROPOLITAN STATE HOSPITAL
- WALKER PROPERTY BOUNDARY

NOTES

1. * MONITORING WELL MW-604 DID NOT RECOVER AFTER PURGING WHEN SAMPLING WAS ATTEMPTED ON 10/6/2005
2. ** MONITORING WELL MW-504 DID NOT HAVE HYDROCARBONS PRESENT DURING INITIAL GAUGING, BUT FOLLOWING PURGING, HYDROCARBONS WERE MEASURED
3. ? GROUNDWATER ELEVATION NOT CONSISTENT WITH REGION AND WAS EXCLUDED FROM INTERPOLATION

0 500 1,000 Feet

GRAPHIC SCALE

1/27/06 SYR-85 EAB
Isola and Ascociates - Former Cenco Refinery
Q:\IsolaandAssociates\SantaFeSprings\FormerCencoRefinery\G_W_M_\mxd\GWSurface.mxd

ISOLA AND ASSOCIATES LLP
FORMER CENCO REFINERY
SANTA FE SPRINGS, CALIFORNIA

GROUNDWATER SURFACE ELEVATIONS OCTOBER 2005

BLASLAND BOUCK & LEE INC
engineers, scientists, economists

FIGURE 3

Results of Groundwater Characterization of the Oil Field Reclamation Project Study Area (OFRP)

Santa Fe Springs, California

RESTRICTIVE LEGEND: THIS STUDY WAS CONDUCTED IN ACCORDANCE WITH SPECIFIC PROJECT OBJECTIVES AS DETERMINED BY THE OIL FIELD RECLAMATION PROJECT (OFRP). ANY RELIANCE OR REUSE OF ALL OR ANY PORTION OF THE DATA CONTAINED HEREIN OUTSIDE OF ITS INTENDED USE BY OTHER THAN THE OFRP WILL BE AT USER'S SOLE RISK AND LIABILITY.

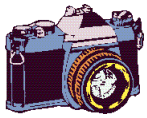
July 31, 1996

Prepared by:

McLaren/Hart, Inc.
16755 Von Karman Avenue
Irvine, California 92606-4918

Results of Groundwater Characterization

McLaren/Hart Project No. 03.0601373.006



Site Photo

Oil Field Reclamation Project Study Area (OFRP)
Santa Fe Springs, California

July 31, 1996

Prepared for: **Oil Field Reclamation Project**
10737 South Shoemaker Avenue
Santa Fe Springs, California 90670

Prepared by: **McLaren/Hart, Inc.**
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Everett Ferguson Jr.
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Senior Geoscientist

Douglas W. Jones, P.E.
Senior Vice President
Managing Principal Engineer

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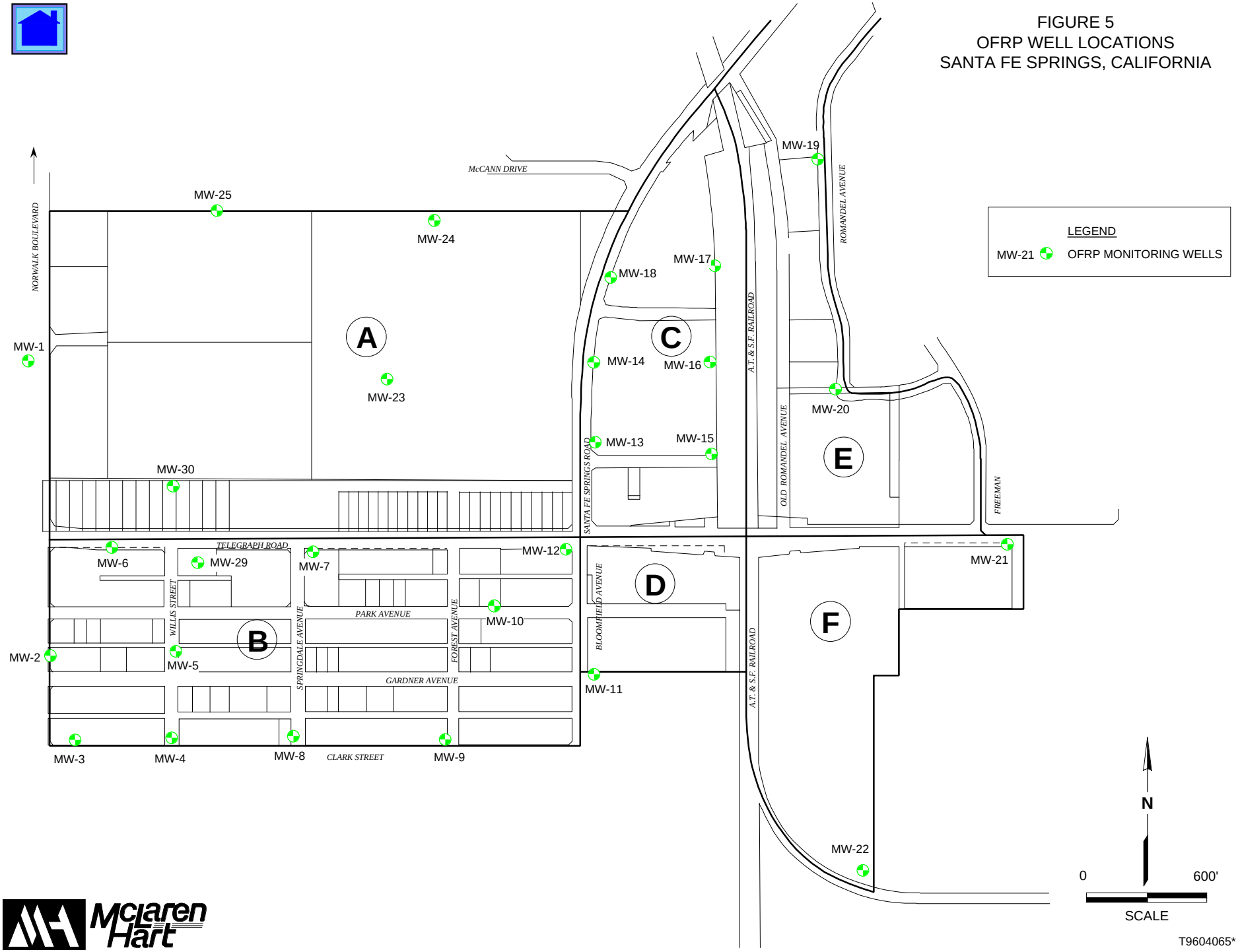
FIGURE 5
OFRP WELL LOCATIONS
SANTA FE SPRINGS, CALIFORNIA



McLaren Hart

T9604065*

GROUNDWATER DATA EVALUATION REPORT

Waste Disposal, Inc. Superfund Site

Santa Fe Springs, California

Prepared under Contract DACW05-D-0008 for:

U.S. Army Corps of Engineers
Sacramento District
Sacramento, California

for the

U.S. Environmental Protection Agency
Region 9
75 Hawthorne Street
San Francisco, California

Prepared by:

CDM Federal Programs Corporation
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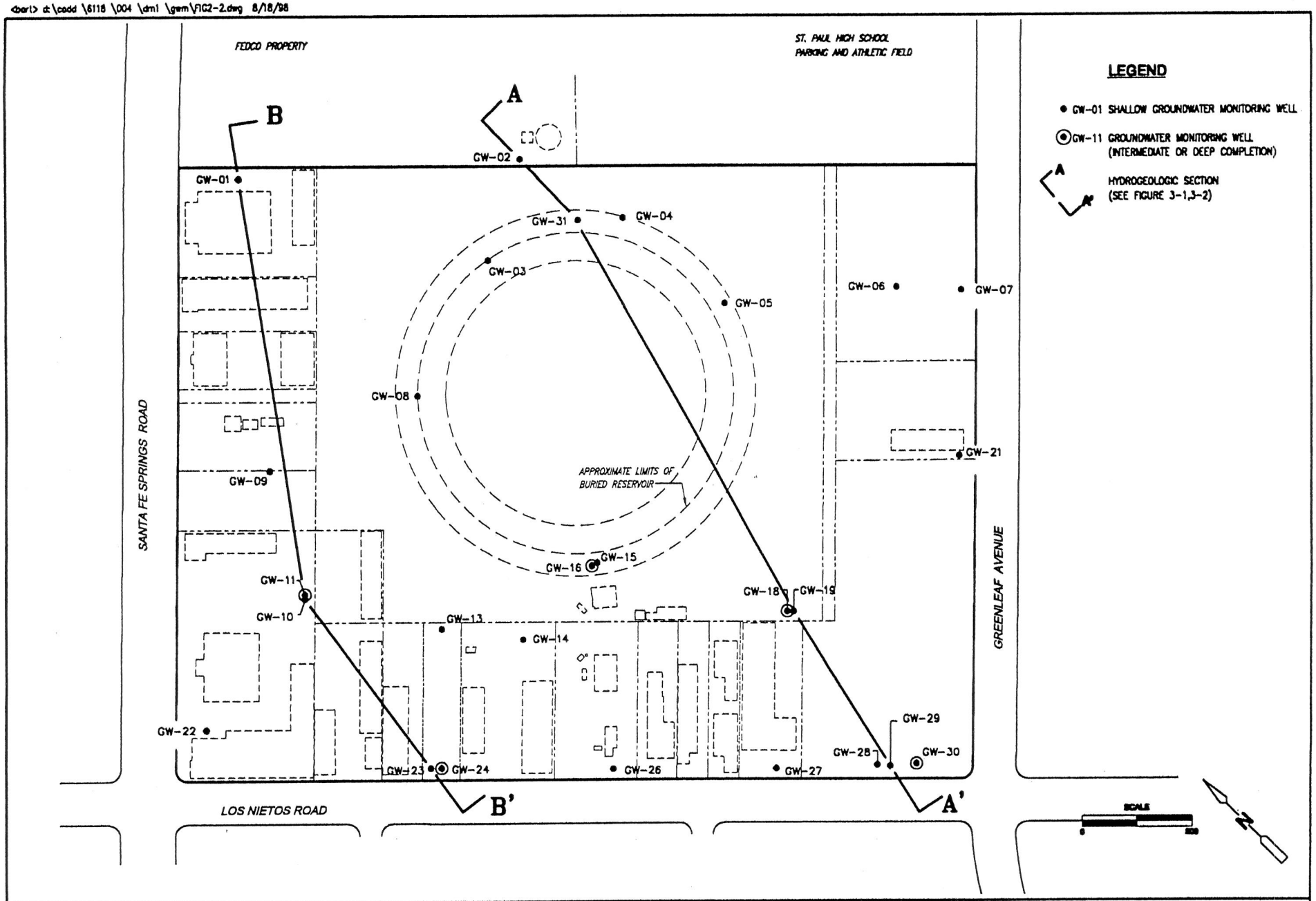
Walnut Creek, California

January 14, 1999



Location of Groundwater Monitoring Wells and Cross Sections

Waste Disposal, Inc., Santa Fe Springs, California

Figure 2-2

CDM Federal Programs Corporation
A Subsidiary of Camp Dresser & McKee Inc.