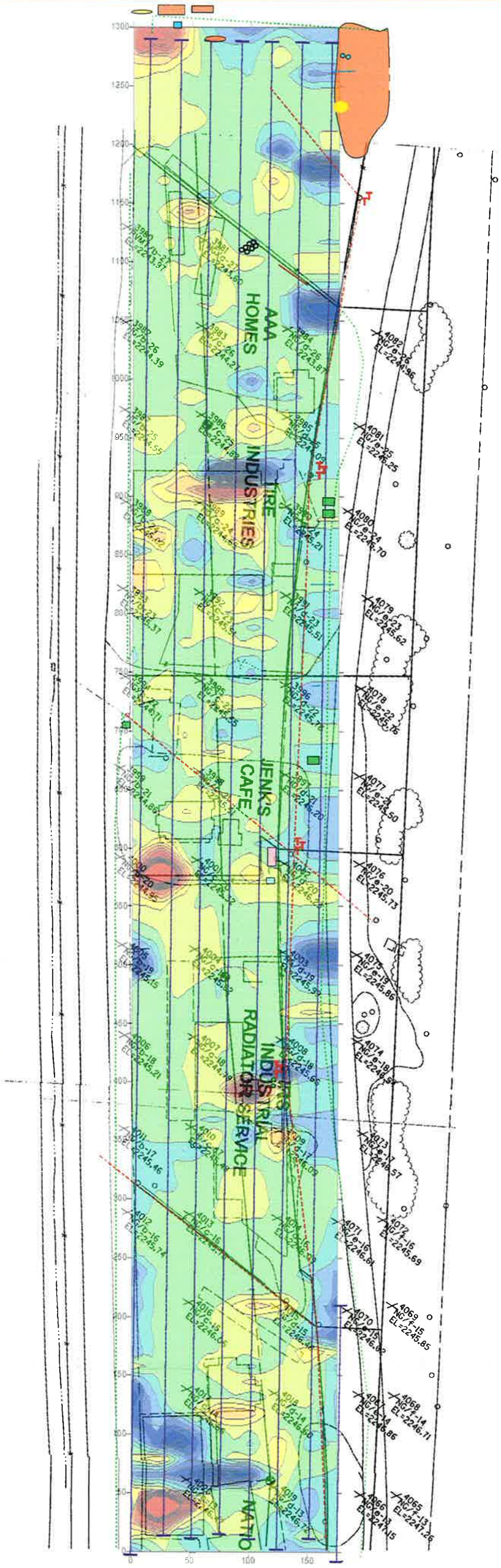
APPENDIX L

I-10 CORRIDOR GEOPHYSICAL AND SOIL-GAS SURVEY FIGURES



LEGEND

- Survey Lines
- Overhead Utilities
- Pole Mounted Transformer
- Metal Storage Trailer
- Various debris
- Billboard sign
- Well Vault box
- Well Location
- Water line
- Fence Panel
- Fence
- Asphaltic Concrete
- Tires
- Plastic Pipe
- Lumber
- Concrete Box
- Concrete AST Pad
- Stormwater Drainage Grate
- Sewer Manhole
- Soil Piles

GEOPHYSICAL SURVEY RESULTS

EG&G® Proton Precession Magnetometer

El Camino Del Cerro WQARF Site
Tucson Arizona

Figure 2.1

URS

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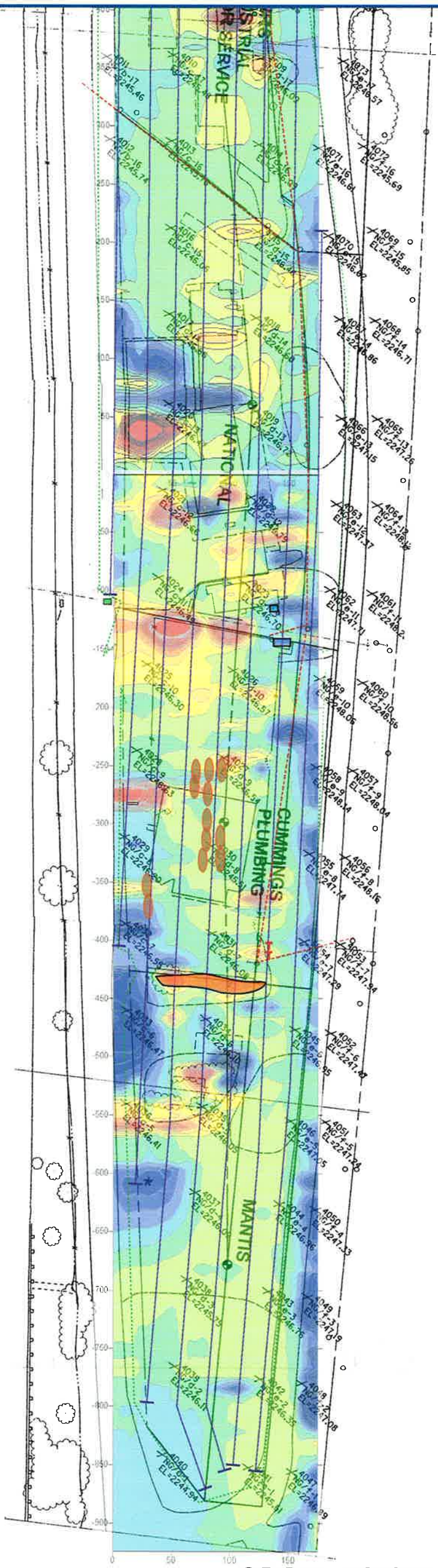

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GEOPHYSICAL SURVEY RESULTS

EG&G® Proton Precession Magnetometer

El Camino Del Cerro WQARF Site
Tucson Arizona

Figure 2.2

URS

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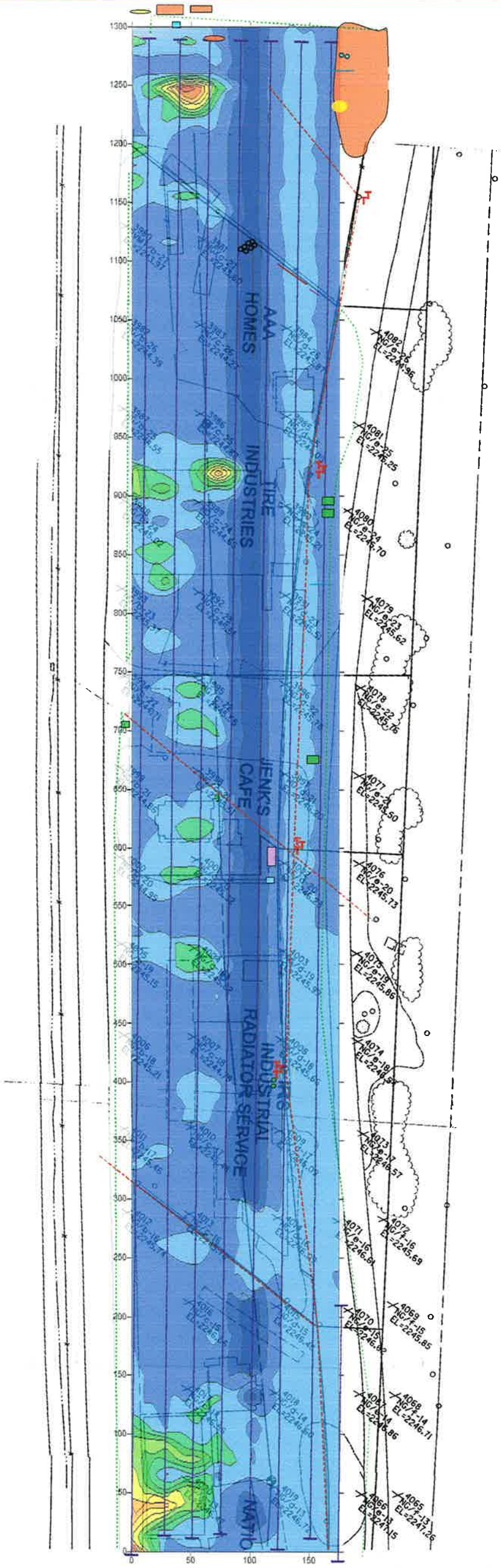

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- Soil Piles

GEOPHYSICAL SURVEY RESULTS

Geonics® EM-61 Terrain Conductivity Meter

El Camino Del Cerro WQARF Site
Tucson Arizona

Figure 3.1

URS

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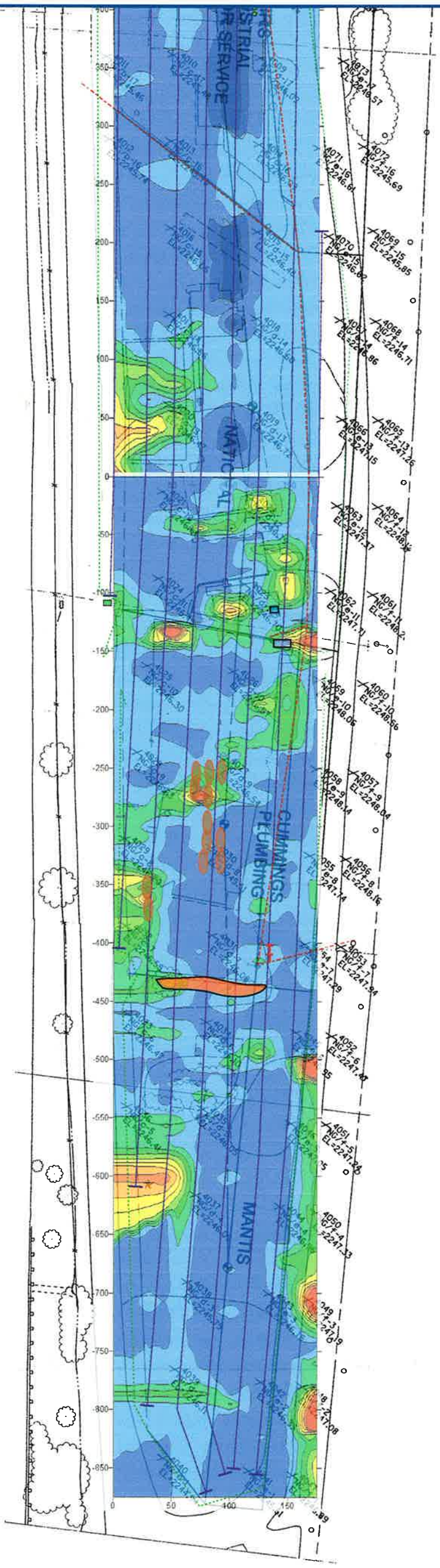

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- Sewer Manhole
- Soil Piles

N

GEOPHYSICAL SURVEY RESULTS

Geonics® EM-61 Terrain Conductivity Meter

El Camino Del Cerro WQARF Site
Tucson Arizona

Figure 3.2

URS

Concentrations

9.484
8.213
7.112
6.159
5.333
4.618
3.999
3.463
2.999
2.597
2.249
1.948
1.687
1.460
1.265
1.095
0.948
0.821
0.711
0.616
0.533
0.462
0.400
0.346
0.300
0.260
0.225
0.195
0.169
0.146
0.126
0.110
0.095
0.082
0.071
0.062
0.053
0.046
0.040
0.035
0.030

PCE
[µg]

Survey Area

0 50 100 200

Approximate Scale In Feet

P:..175645\ecdc\Soil Gas\1Soil Gas Results -N & S.CDR 12-01

a1

sa1
3

b
h

Photo Provided by Cooper Aerial Survey
Photo Date 11-29-00

Figure 4

PCE ANALYTICAL RESULTS
Passive Soil Gas Survey
July-August & October-November 2001
ECDC WQARF Site - I-10 Corridor
Tucson, Arizona

Concentrations

2.089
1.860
1.656
1.474
1.313
1.168
1.040
0.926
0.825
0.734
0.654
0.582
0.518
0.461
0.411
0.365
0.325
0.290
0.258
0.230
0.204
0.182
0.162
0.144
0.128
0.114
0.102
0.091
0.081
0.072
0.064
0.057
0.051
0.045
0.040
0.036
0.032
0.028
0.025
0.022
0.020

BTEX
[µg]

Survey Area

0 50 100 200

Approximate Scale In Feet

Photo Provided by Cooper Aerial Survey
Photo Date 11-29-00

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

URS

Figure 5

BTEX ANALYTICAL RESULTS
Passive Soil Gas Survey
July-August & October-November 2001
ECDC WQARF Site - I-10 Corridor
Tucson, Arizona

P...175645\ecdc\Soil Gas\1Soil Gas Results -N & S.CDR 12-01

a1

sa1

2
b
h

Concentrations

1.742
1.558
1.393
1.246
1.114
0.997
0.891
0.797
0.713
0.638
0.570
0.510
0.456
0.408
0.365
0.326
0.292
0.261
0.233
0.209
0.187
0.167
0.149
0.134
0.119
0.107
0.095
0.085
0.076
0.068
0.061
0.055
0.049
0.044
0.039
0.035
0.031
0.028
0.025
0.022
0.020

PAHs [µg]

Survey Area

0 50 100 200

Approximate Scale in Feet

Photo Provided by Cooper Aerial Survey
Photo Date 11-29-00

Figure 6

PAHs ANALYTICAL RESULTS
Passive Soil Gas Survey
July-August & October-November 2001

ECDC WQARF Site - I-10 Corridor
Tucson, Arizona

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

URS

P:\175645\ecdc\Soil Gas\1Soil Gas Results -N & S.CDR 12-01