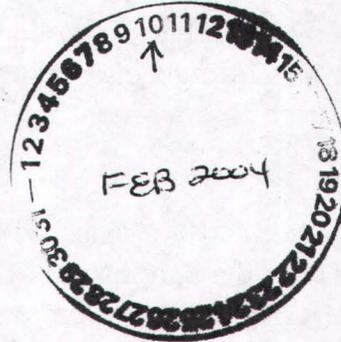


FILE

September 18, 2003

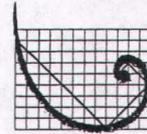
Ms. Peggy DiPaola
GOJO Industries, Inc.
One GOJO Plaza, Suite 500
Akron, OH 44309-0991

Subject: Geophysical Survey Report
Former Abbott Laboratories Facility
Laurinburg, North Carolina



Environmental
Resources
Management

7300 Carmel Executive
Park, Suite 200
Charlotte, NC 28226
(704) 541-8345
(704) 541-8416 (fax)



ERM.

Dear Ms. DiPaola:

On behalf of GOJO Industries, Inc., ERM conducted a reconnaissance geophysical survey over all undeveloped and paved portions of the Abbott Laboratories property located in Laurinburg, North Carolina. The objective of the geophysical survey was to identify any potential debris disposal or drum burial sites on the property. It should be noted that there is no prior evidence of, or specific knowledge of buried drums or debris at the site. The survey was conducted on September 8-12, 2003.

SITE CONDITIONS

The Abbott facility consists of manufacturing buildings, parking lots, and lawn areas. The property encompasses approximately 50 acres, and includes approximately 300,000 ft² under roof. An aerial photograph of the site is shown in Figure 1. The site conditions are well suited to conducting surface geophysical surveys for several reasons, including unrestricted access, flat terrain that facilitates the movement of personnel and equipment, and relatively accurate spatial control of data compared with sloping or more rugged terrain lacking landmarks or control points.

SURVEY PROCEDURES

Sensor Selection/Deployment Configuration

Schonstedt GA-52C magnetic anomaly detectors (MAD) and an EM-61 MK2 Electromagnetic (EM) Detector were deployed at the site. The purpose of this survey was to determine the location of subsurface anomalies and investigate potential drum burial and metallic debris

locations. The most effective geophysical survey system for the site conditions was determined to be a hand-carried equipment configuration for ease of movement and providing full coverage. Utility maps made available by Abbott were used to document the locations of known utilities during the survey.



The EM survey was conducted in two phases. Phase I was a surface sweep of 100% of the site with the Schonstedt MAD equipment. Any magnetic anomalies were flagged to see if patterns existed. This survey provides a very general idea where subsurface items may be located but is not designed to determine location, depth or type of subsurface contacts. The depth limitation for a drum sized target using this method is approximately 8 feet below the ground surface. The water table depth ranges from 2 to 6 feet below grade. Therefore, the MAD equipment selected for the initial surface sweep is appropriate for this site.

Phase II employed the use of the EM equipment over areas that contained higher concentrations of subsurface contacts. The equipment was employed in a grid pattern around the flagged anomalies in an attempt to verify their presence and determine the relative depth of contact. The EM equipment was used to clarify the type of anomaly present and its approximate depth. In addition, several anomalies were hand-excavated and determined to be either reinforcing steel bars or other construction debris buried in the shallow subsurface.

SURVEY RESULTS

The data collected for this project have been assimilated and plotted on the attached figures. The complete area of the former Abbott Laboratories facility was surface swept. Approximately 250 potential subsurface targets were indicated on the Abbott property using the Schonstedt MAD equipment. The results of the MAD survey are indicated on Figure 2. The majority of the potential subsurface contacts appear to be small shallow anomalies. Two anomalies were removed with a shovel and found to be small pieces of reinforcing steel.

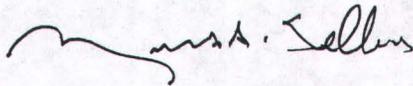
Three areas with higher concentrations of potential subsurface contacts were surveyed with EM equipment. Figure 2 shows the location of these areas. The EM survey indicated that anomalies were localized and relatively shallow. Results of the EM survey are indicated on Figures 3, 4 and 5. Table 1 presents the approximate depth of the anomalies. The signature of these areas is consistent with construction debris.

Ms. Peggy DiPaola
September 18, 2003
Page 3 of 3

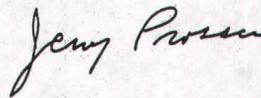
The results of the geophysical surveys conducted at the site do not indicate the presence of potential drum or tank burial locations on the Abbott Laboratories property.

Please contact the undersigned with any questions that you may have regarding either this letter or the project in general.

Sincerely,



Mark A. Sellers, P.G.
Principal



Jerry Prosser
Principal





FIGURE 1. Aerial Photograph
Abbott Laboratories Facility
16900 Aberdeen Road
Laurinburg, North Carolina

GRID 1 Differential Channel (3)

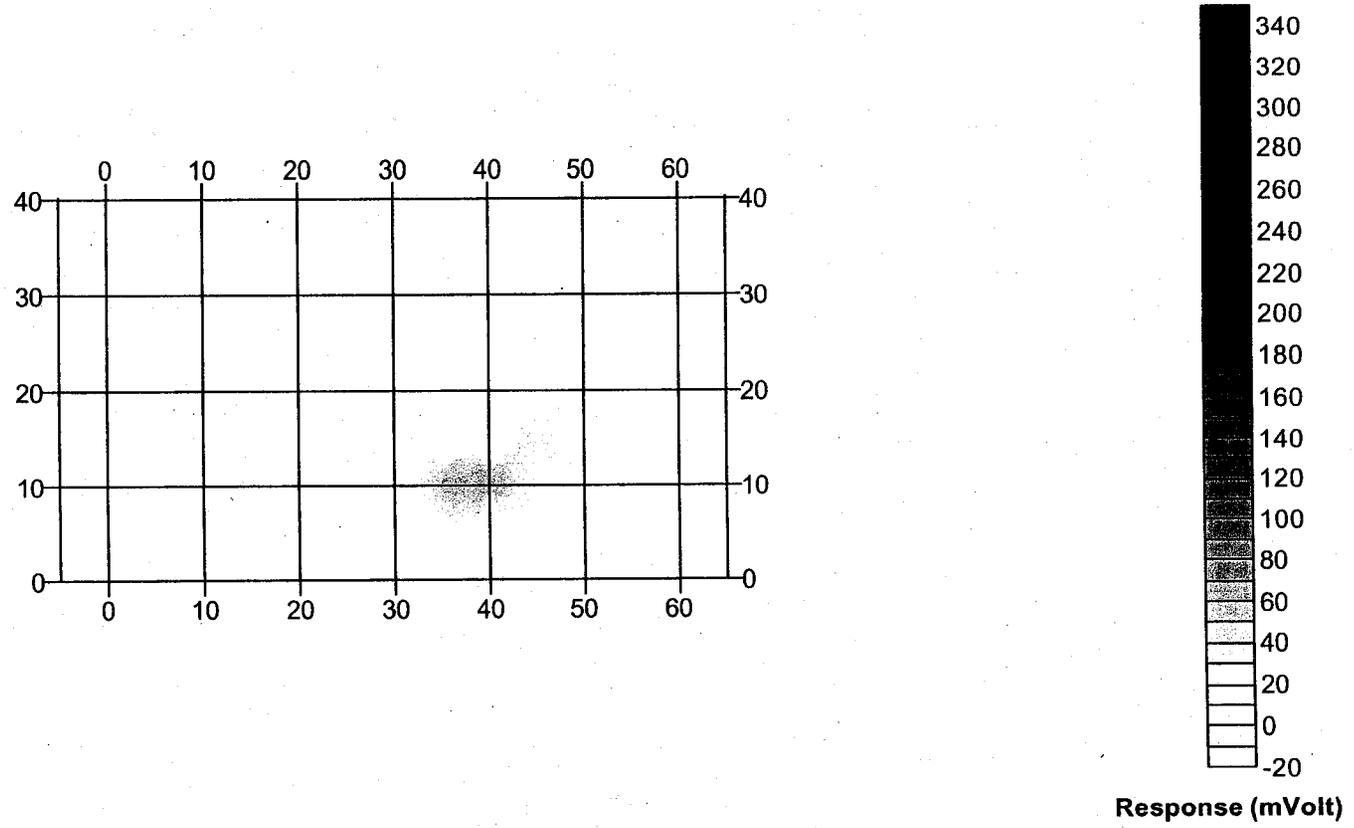
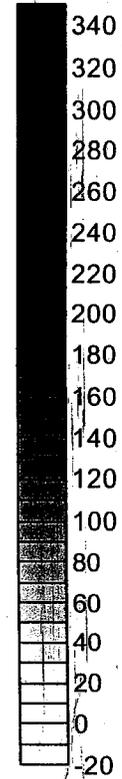
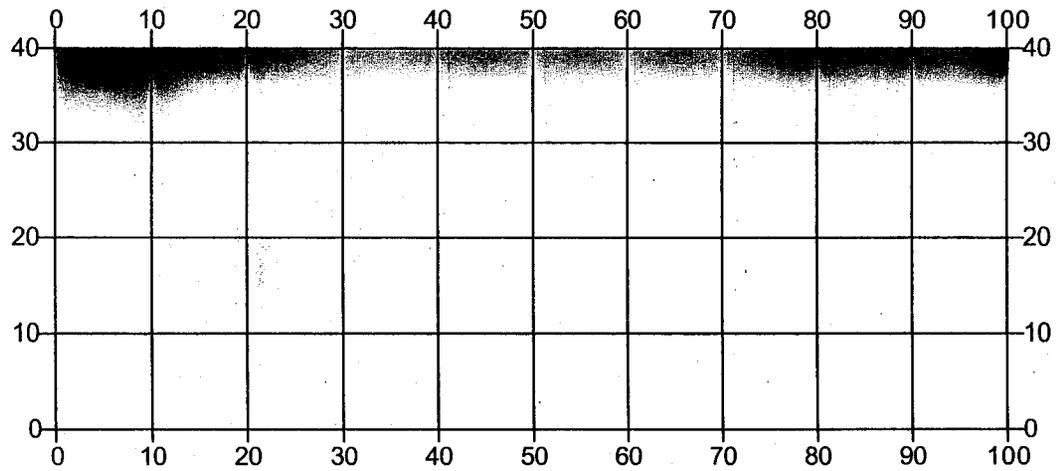


FIGURE 3. EM61 GRID #1 PLAN VIEW
COORDINATE 38/10 = CONSTRUCTION DEBRIS - CONFIRMED BY HAND-EXCAVATION

GRID 2 Differential Channel (3)

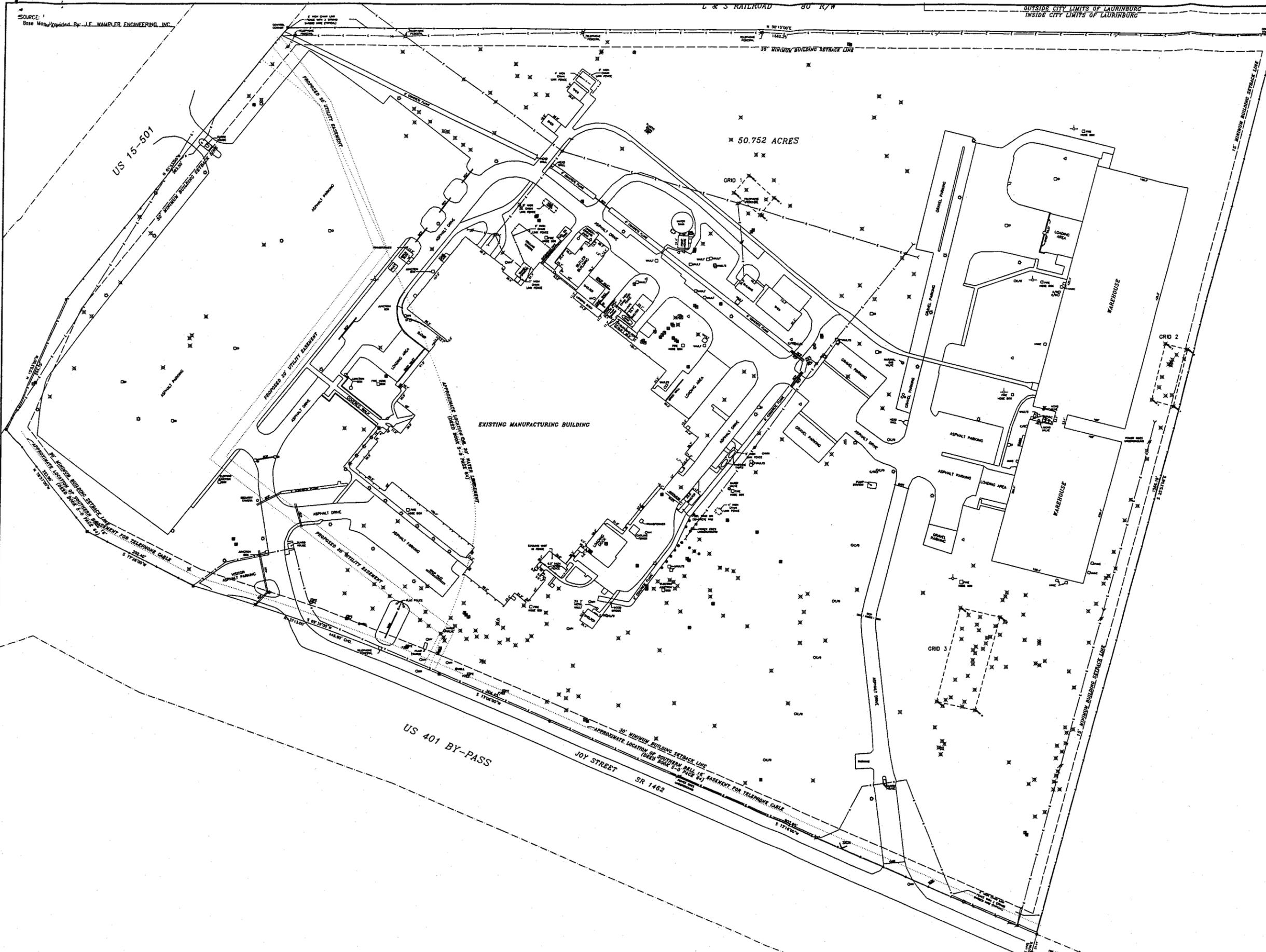


Response (mVolt)

FIGURE 4. EM61 GRID #2 PLAN VIEW

CHAIN-LINK FENCE IS LOCATED AT TOP OF GRID

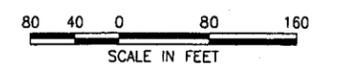
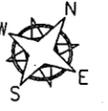
SOURCE:
Base Map Provided By: J.E. WAMPLER ENGINEERING, INC.



LEGEND

⊗ MAGNETIC ANOMALIES

--- GRID



REVISION	DESCRIPTION	DATE	APPROVED	MADE
REVISIONS				
	BY	DATE	BY	DATE
DESIGNED:	CRS	9/12/03	DDP	9/16/03
CHECKED:	-	-	CADD FILE:	03-09-BM-02
APPROVED:				
PREPARED BY:	 Environmental Resources Management			
PREPARED FOR:	GOJO INDUSTRIES AKRON, OHIO			
MAGNETIC ANOMALIES AND ELECTROMAGNETIC SURVEY AREA MAP				
SCALE AS SHOWN	PROJECT NUMBER	FIGURE NUMBER	REVISION	
	-	2	-	

GRID 3 Differential Channel (3)

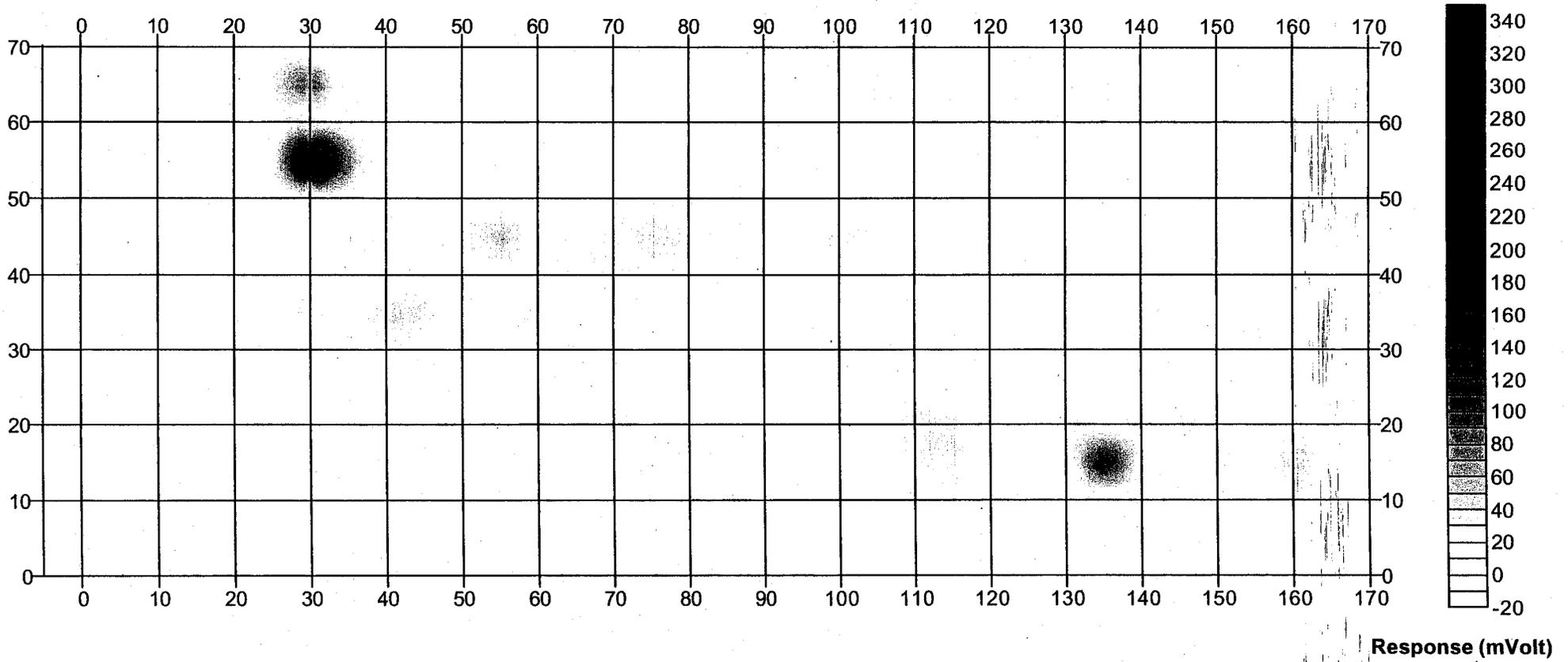


FIGURE 5. EM61 GRID #3 PLAN VIEW

COORDINATE 30/55 = REBAR - CONFIRMED BY HAND EXCAVATION

COORDINATE 15/135 = CONSTRUCTION DEBRIS - CONFIRMED BY HAND EXCAVATION

12. *Permit for the Construction and Operation of a Well for Injection*, prepared by NCDENR, dated July 16, 2001.
13. *Semi-Annual Groundwater Monitoring Report and Semi-Annual Operations and Maintenance Report*, prepared by URS Corporation – North Carolina, P.C. (URS), dated December 2001.
14. *In Situ Remediation Pilot Test Report and Site Closure Strategy*, prepared by URS, dated December 2001.
15. *Source Area Remediation Feasibility Study*, prepared by URS, dated February 2002.
16. *Site Closure Strategy and Conceptual Design*, prepared by URS, dated February 2002.
17. *Application for Permit to Construct and/or Use a Well(s) for Injection of HRC Application*, prepared by Matrix Environmental, Inc. (Matrix), dated May 2002.
18. *Semi-Annual Groundwater Monitoring Report and Semi-Annual Operations and Maintenance Report*, prepared by URS, dated June 2002.
19. *Supplemental Investigation Work Plan*, prepared by Matrix, dated June 17, 2002.
20. *Remedial Action Plan Amendment*, prepared by Matrix, dated June 2002.
21. *Remedial Action Plan Amendment Response to Comments Letter*, prepared by Matrix, dated August 15, 2002.
22. *Review of Remedial Action Plan Amendment Letter*, prepared by NCDENR, dated August 30, 2002.
23. *Approval of Remedial action Plan Amendment Letter*, prepared by NCDENR, dated October 15, 2002.
24. *Supplemental Investigation Findings*, prepared by Matrix, dated October 21, 2002.
25. *2nd and 3rd Quarter 2002 Progress Report*, prepared by Matrix, dated December 23, 2002.
26. *4th Quarter 2002 Progress Report*, prepared by Matrix, dated February 15, 2003.
27. *1st Quarter 2003 Progress Report*, prepared by Matrix, dated April 24, 2003.
28. *Indirect Discharge Monitoring Reports*, prepared by Radian, URS, and Matrix, for the years 2001 to year-to-date 2003.

For the fuel oil release, these reports consist of the following:

- ✗ 1. *Preliminary Site Characterization Report*, prepared by Radian, dated August 2000.
- ✓ 2. *Phase II Site Characterization Report*, prepared by Radian, dated February 2001.
- ✗ 3. *Semi-Annual Groundwater Monitoring Report*, prepared by Radian, dated June 2001.
- ✓ 4. *Semi-Annual Groundwater Monitoring Report*, prepared by URS, dated December 2001.
- ✓ 5. *Semi-Annual Groundwater Monitoring Report*, prepared by URS, dated June 2002.
- ✓ 6. *Petroleum Release Semi-Annual Groundwater Monitoring Report*, prepared by Matrix, dated December 2002.
- ✓ 7. *Comprehensive Site Assessment*, prepared by Matrix, dated June 2003 *w/o Appendices*

In addition, the following general documents are also provided for your review:

1. Phase I Environmental Site Assessment, prepared by URS, dated October 2001.
2. Presentation summarizing remedial activities conducted at the site, prepared by *Abbott* Corporate Environmental Services.

