

REPORT

Ground Water Recovery System Performance Test

**Maestri Site
904 State Fair Boulevard
Geddes, New York**

August 1994



O'BRIEN & GERE
ENGINEERS, INC.

REPORT

**Ground Water Recovery System
Performance Test**

**Maestri Site
904 State Fair Boulevard
Geddes, New York**

August 1994



O'BRIEN & GERE
ENGINEERS, INC.

REPORT

**GROUND WATER RECOVERY SYSTEM
PERFORMANCE TEST**

SEP - 8

**MAESTRI SITE
904 STATE FAIR BOULEVARD
GEDDES, NEW YORK**

AUGUST 1994

**O'BRIEN AND GERE ENGINEERS, INC.
5000 BRITTONFIELD PARKWAY
SYRACUSE, NEW YORK 13221**

TABLE OF CONTENTS

SECTION 1 - INTRODUCTION	1
1.1 Background	1
1.2 Initial Recovery Well Operation	2
1.3 Objective	3
1.4 Modified Recovery Well Operation	4
SECTION 2 - SYSTEM PERFORMANCE EVALUATION	6
2.1 Preliminary Tasks	6
2.2 Data Collection	7
2.3 Unanticipated Events	9
2.4 Water Level Data Correction	11
2.5 Data Summary	11
2.6 Data Analysis	12
2.6.1 Geologic Cross-Sections	12
2.6.2 Hydraulic Conductivity Variations	13
2.6.3 Ground Water Elevation Maps	14
2.6.4 Drawdown Maps	15
2.6.5 Data Plots	15
SECTION 3 - SYSTEM PERFORMANCE EVALUATION	17
3.1 Interpretation of Ground Water Elevation Maps	17
3.2 Area of Capture	19
3.3 Aquifer Dewatering	21
3.4 Ground Water Quality Data	24
SECTION 4 - SUMMARY, RESULTS, AND CONCLUSIONS	26
4.1 Summary	26
4.2 Results and Conclusions	27

TABLES

1	Monitoring Well, Piezometer, and Recovery Well Specifications
2	Pressure Transducer Information
3	Recovery Well Flow Information

FIGURES

1	Site Map
2	Cross Section Location Map
3	Geologic Cross Section (A-A')
4	Geologic Cross Section (B-B')
5	Baseline Ground Water Elevation Map
6	24 Hour Ground Water Elevation Map

- 7 48 Hour Ground Water Elevation Map
- 8 72 Hour Ground Water Elevation Map
- 9 Day 5 Ground Water Elevation Map
- 10 Day 10 Ground Water Elevation Map
- 11 Day 15 Ground Water Elevation Map
- 12 24 Hour Drawdown Map
- 13 48 Hour Drawdown Map
- 14 72 Hour Drawdown Map
- 15 Day 5 Drawdown Map
- 16 Day 10 Drawdown Map
- 17 Day 15 Drawdown Map

APPENDICES

- A Piezometer Boring Logs
- B Laboratory Data Sheets
- C Baseline Ground Water Elevation Data
- D 72-Hour Pressure Transducer Data
- E 72-Hour Ground Water Elevation Data
- F 2-Hour Pressure Transducer Data
- G Distance Drawdown Plots
- H Time Drawdown Curves

SECTION 1 - INTRODUCTION

1.1 Background

The Maestri site, located at 904 State Fair Boulevard in the Town of Geddes, New York, is approximately 6.7 acres in area and is owned by Bert Maestri. Site investigations, initiated in 1987, focused on evaluating the environmental effects of a former waste disposal area located in the northeastern portion of the property. This area contained drums of industrial waste materials which were reportedly buried in the early 1970's and alleged to have been generated by the Stauffer Chemical Company. Subsequent to disclosure of the disposal area, the site was placed on the New York State Registry of Inactive Hazardous Waste Sites (Site #7-34-025).

The results of site investigations are summarized in the Site Investigation and Development of Interim Remedial Measures (SIDIRM) Final Report (OBG, September 1992) and the Focused Remedial Investigations (FRI) Report (OBG, February 1994). Based on the findings of the investigations, a ground water recovery and treatment Interim Remedial Measure (IRM) was developed to control the migration of contaminants in the ground water from the site within the shallow, overburden aquifer. The focus of this report is to evaluate the effectiveness of the ground water recovery system.

Based on investigations at the site, the following briefly summarizes the geologic conditions at the site. The overburden aquifer at the site is limited in extent and thickness and has a localized recharge area. The site has documented lateral and vertical nonhomogeneities which are evidenced by permeability and grain size changes across the site.

The principle components of the ground water recovery and treatment IIRM are six ground water recovery wells (RW-1 to RW-6) and an activated carbon treatment system. Ground water recovered from the six wells is treated using the activated carbon system and then discharged to a storm sewer. The basis of the recovery well design was presented in the Yield Test Evaluation Report (OBG, March 1992) and details concerning the construction of the recovery wells are summarized in the SIDIRM report (OBG, September 1992) and the FRI report (OBG, February 1994). Due to the low permeabilities and limited thickness of the aquifer, the flow rates from the recovery wells are low (typically less than 1 gpm). This requires the recovery well pumps to cycle on and off at different time intervals during normal operation. To monitor the ground water quality and elevations in the vicinity of the site, nineteen piezometers (PZ-1 to PZ-19) and sixteen monitoring wells (MW-6 to MW-21) were installed at on- and off-site locations. The locations of the piezometers, monitoring wells, and recovery wells are presented on Figure 1 and the specifications are summarized on Table 1.

The ground water recovery and treatment system began operation in May 1992. A system operator, retained by the Stauffer Management Company (SMC), maintains the recovery and treatment system on a semi-weekly basis.

1.2 Initial Recovery Well Operation

The ground water recovery system, as initially designed, utilized Coyote® pump motor control and protection devices to control the operation of the pumps and regulate the level of water in the recovery wells. The detailed operation of the Coyote® system is discussed

in the Ground Water Recovery Wells Effectiveness Report (OBG, June 1993). The effectiveness of the ground water recovery system was evaluated after approximately one year of operation and the results are presented in the Ground Water Recovery Wells Effectiveness Report (OBG, June 1993). This report concluded that the control of the ground water elevations within the recovery wells and the aquifer were not being optimized by the Coyote® system. In addition, the report concluded that the recovery wells required redevelopment to improve the specific capacity of the wells. Based on these conclusions, the recovery wells were redeveloped in September 1993 and the system controls were modified in May 1994.

1.3 Objective

The objective of the program presented in this report was to assess the effectiveness of the recovery well system to recover the contaminated ground water at the Maestri site following recovery well redevelopment and installation of the modified control system. To accomplish the performance evaluation, a short-term and long-term system monitoring program was completed in accordance with the proposal letters dated July 19, 1993 and June 22, 1994 which were transmitted to the NYSDEC. The short-term monitoring program consisted of a 72-hour aquifer performance test. The long-term monitoring program consisted of monitoring water levels for an additional 6 weeks. The data collected for the first 15 days are used in this report.

1.4 Modified Recovery Well Operation

The pump controls were modified by installing pressure transducers in each of the recovery wells to monitor the water levels in the wells. The pressure transducers were placed below the pump intakes and connected to the programmable logic controller (PLC) which was reprogrammed to control the operation of the pumps based on water levels in the recovery wells.

The PLC program includes low, high, and high/high set point elevations representing water level elevations above the pressure transducer. During operation, the PLC allows a given pump to run until the water level in the recovery well decreases to the low set point elevation and the PLC turns off the pump. The PLC then monitors the pressure transducer which measures the increasing water level in the well during recovery. When the water level elevation increases to the high set point elevation, the PLC turns on the pump again. The low set point elevations were set at the bottom of the well screens or just above the pump intake port to optimize drawdown in the recovery wells. The high set point elevations and the high/high set point elevations were set approximately 2 feet and 5 feet, respectively, above the low set point elevations. Table 2 summarizes the high and low set points elevations for the recovery wells.

The flow rate for each of the recovery well pumps are set at a rate sufficient to depress the ground water in the recovery wells to the low set point elevation. After significant precipitation events or in the spring, the set pumping rate may be insufficient to decrease the water level in the recovery well to the low set point elevation. During or subsequent to these recharge events, the water level may rise high enough to trigger the

high/high set point elevation. If this happens, the PLC would signal an alarm condition to the system operator. The operator can then increase the flow rate of the pump until the water level decreases to the low set point elevation.

This control system optimizes the amount of drawdown in the recovery wells and maintains a low water level elevation in the recovery wells. System operation of the PLC, pressure transducers, and flow rates are monitored by a personal computer (PC) and daily system operational parameters are printed out in the control building.

SECTION 2 - SYSTEM PERFORMANCE EVALUATION

To properly evaluate system performance, data were collected prior to and during the short-term and long-term operation of the system. The data were developed from the installation and testing of piezometers, collection of ground water samples, collection of system operational information, and collection of ground water elevation data. These data were analyzed using the specific site geology, ground water elevation maps, drawdown maps, capture zone calculations, time drawdown plots, distance drawdown plots, and estimates of ground water flow through the area compared to the water recovered by the system.

2.1 Preliminary Tasks

To enhance the array of existing ground water monitoring points, fourteen additional piezometers (PZ-6 to PZ-19) were installed in June 1994 in the vicinity of the five on-site recovery wells. Boring logs for these additional piezometers are included in Appendix A. The location of the piezometers are shown on Figure 1. Subsequent to installation, in situ permeability tests were performed on five piezometers to estimate the variation in permeability across the site.

Ground water samples were collected from monitoring wells MW-6, MW-9, MW-10, MW-14, MW-16, MW-17, MW-18, MW-20, and MW-21 and piezometers PZ-4, PZ-5, and PZ-6 during the week of July 4, 1994. The samples were submitted for analyses of volatile organic compounds (VOCs) using EPA method 8010/8020. Results of the sample analyses are included on the laboratory data sheets in Appendix B.

2.2 Data Collection

On July 8, 1994, the ground water recovery system was shut down for approximately 72 hours to allow water levels to recover to baseline water level conditions. During shut down, ground water elevations were measured from selected monitoring wells and recovery wells to assess static conditions and to establish the baseline trend. These data are included in Appendix C.

At 11:00 am on Monday, July 11, 1994, the short-term test was initiated by turning on the on-site recovery wells RW-1, RW-2, RW-3, RW-4, and RW-5. To reduce the potential for well interference from the downgradient and off-site portion of the system, recovery well RW-6 was not operated for the first 72 hours of the test.

Recovery well yield and pump operation information was recorded and monitored during the test to assess the total volume and rate of discharge by the system. At the start of the test, the recovery well pumps operated continuously at the set flow rate as indicated on Table 3. Once the water level in a recovery well reached the low set point elevation, the pump turned off and began the cycling operation. The recovery well pump flow rate during the cycling operation was calculated by dividing the total volume of water pumped for the test interval by the duration of the interval in minutes. For reference, the volume of water pumped and the flow rate calculated for the recovery wells during the first, second, and third 24-hour periods are shown on Table 3. In addition, Table 3 indicates the elapsed time for the water levels in the recovery wells to reach the low set point elevations.

Additional pressure transducers were placed in monitoring wells MW-14 and MW-9 and piezometers PZ-1, PZ-2, and PZ-3 for the short-term test to measure the water level

response to pumping in the observation point closest to the five on-site recovery wells (RW-1 through RW-5). The pressure transducers were connected to a data logger which was programmed with the following measurement frequency information:

<u>Elapsed Time</u>	<u>Measurement Frequency</u>
0 to 3 min	Every 0.5 minutes
3 to 15 min	Every minute
15 to 60 min	Every 5 minutes
1 to 2 hours	Every 10 minutes
2 to 10 hours	Every 30 minutes
10 to 24 hours	Every hour
24 to 72 hours	Every 4 hours

The collected data from the pressure transducers are included in Appendix D.

Ground water levels were measured in the observation points (monitoring wells and piezometers) in the vicinity of recovery wells RW-1 to RW-5 in accordance with the above measurement frequency. Ground water elevation data from the off-site observation points were also collected during the short-term test. Water level probes with 0.01 foot graduations were used to measure the ground water levels during the test. Data were recorded as depth to water measurements from the top of the well casing and are included in Appendix E. Additionally, manual depth to water measurements were collected from the wells equipped with pressure transducers.

At 11:00 am on Thursday, July 14, 1994 (72 hours following initiation of the test), the water level measurement frequency changed from short-term to long-term monitoring program. To assess the effect of recovery well RW-6 on the aquifer system, a 2-hour aquifer performance test was conducted by bringing recovery well RW-6 on-line with the other five recovery wells. Prior to the 2-hour test, pressure transducers were placed in piezometers

PZ-4 and PZ-5, monitoring well MW-17, and recovery well RW-6. The pressure transducers were connected to a data logger which was programmed to record the pressure transducer readings at the following frequencies:

<u>Elapsed Time</u>	<u>Measurement Frequency</u>
0 to 3 min	Every 0.5 minutes
3 to 15 min	Every minute
15 to 60 min	Every 5 minutes
1 to 2 hours	Every 10 minutes

Water level probes were used to measure the water levels in monitoring wells MW-16, MW-18, MW-20, and MW-21. Water levels in monitoring well MW-16 were measured in accordance with the above measurement frequency. Water levels were measured in monitoring wells MW-18, MW-20, and MW-21 at 5-minute intervals from 15 minutes to 60 minutes and at 10-minute intervals from 60 minutes to 120 minutes. The data collected during the 2-hour test are included in Appendix F.

At the end of the 2-hour test the recovery well system continued to operate. System operation data and ground water levels were monitored from July 15 (Day-4) to July 26 (Day-15) in accordance with the long-term monitoring program. These data are included on the data sheets in Appendix F.

2.3 Unanticipated Events

A temporary electrical problem shut the system down at 11:30 pm on Monday, July 11, 1994 for approximately 90 minutes. The water levels in some monitoring wells and piezometers began to increase slightly but returned to the pre-shut down condition within 30 minutes of system reactivation. The rapid return of water levels to pre-shutdown

conditions indicate that short duration shutdown events do not significantly impact the effectiveness of the system.

An electrical storm passed through the area between 6:00 pm and 7:30 pm on Tuesday, July 12, 1994. During the electrical storm, lightning struck the ground in the vicinity of the site and appeared to have affected the pressure transducer readings in piezometer PZ-3, monitoring well MW-9, and recovery well RW-5. Subsequently, ground water elevations were measured from these observation points using an electronic water level probe. In addition, approximately 0.3 inches of rain fell on the site as measured by an on-site rain gauge. Review of the water level data for the background monitoring wells MW-10, MW-12, MW-20, and MW-21 during this period reveal that the change in barometric pressure and precipitation resulting from this storm appear to have had minimal impact on the ground water elevations.

On Saturday, July 16, 1994 at approximately 2:00 pm, the main circuit breaker in the system control building failed which shut the system down. The circuit breaker may have been weakened due to the lightning strike. Due to a problem with the battery-backup power supply, the system operator was not notified of the shut down. The battery-backup and main breaker were fixed and the system was put back on-line at approximately 11:30 am on July 18, 1994. Review of the water level data indicate that the water elevations returned quickly to the pre-shut down levels once the system was reactivated.

2.4 Water Level Data Correction

The collected water level data were converted using Jacob's equation to correct the drawdown values observed in the unconfined aquifer to account for transmissivity changes due to aquifer thickness changes. Jacob's correction equation is as follows:

$$s = s_o - s_o^2 \div (2b)$$

Where: s = Corrected drawdown in feet
 s_o = Observed drawdown in feet
 b = Aquifer thickness in feet

$$s = s_o - \frac{s_o^2}{2b}$$

*Reference?
Correct Use?*

Transmissivity values were estimated using graphical solutions of the corrected drawdown values in this report.

2.5 Data Summary

The data collected for the evaluation of the system effectiveness include:

- Subsurface geologic conditions based on monitoring well, piezometer, and recovery well boring logs.
- Ground water quality data from the July 1994 sampling event and the historic data included in the FRI report.
- Hydraulic conductivity calculations based on previous data included in the FRI report, the SIDIRM report, and the Yield Test Evaluation report.
- Ground water elevation and time data collected from the monitoring wells, piezometers, and recovery wells during the short-term and a portion of the long-term monitoring programs.

- Recovery well flow information collected from the system flow meters during the short-term and long-term monitoring programs.

2.6 Data Analysis

This section briefly summarizes the analysis of the data collected during the aquifer testing. This analysis included the preparation of geologic cross-sections, ground water elevation and drawdown maps, distance drawdown plots, and time drawdown plots.

2.6.1 Geologic Cross-Sections

An assessment of the ground water hydraulics at the site requires an understanding of the site geologic conditions and an evaluation of any impacts geology may have on interpreting the ground water elevation data. Geologic cross-sections of the site were prepared based on the boring logs from the monitoring wells, the existing and newly installed piezometers, and the recovery wells included in Appendix A and the Focused Remedial Investigation Report (OBG, February 1994). The location of the cross-sections are shown on Figure 2.

A north-south cross-section (A-A'), Figure 3, was prepared to illustrate the geologic variations that occur roughly perpendicular to ground water flow. Ground water elevations representing baseline conditions and 72-hour pumping conditions are shown on the figure. Also, the high and low set points elevations in the ground water recovery wells are shown on the cross-section. This cross-section indicates the overburden aquifer is represented by a gravel layer occurring between piezometers

PZ-19 and PZ-1. Between piezometer PZ-1 and monitoring well MW-9, the gravel layer is overlain by a layer of fine to medium grained sand. South of monitoring well MW-9, the gravel layer is thin or absent and the aquifer is represented by the fine to medium grained sand.

A west-east cross-section (B-B') was prepared to illustrate the geologic variations approximately parallel to ground water flow (Figure 4). A review of this figure indicates the limited extent of the overburden aquifer and the general downgradient coarsening of the sediments.

2.6.2 Hydraulic Conductivity Variations

The nonhomogeneities shown in the geologic cross sections are also illustrated by variations of hydraulic conductivity across the site. Based on in-situ hydraulic permeability test results and interpretation of time drawdown plots, hydraulic conductivities were estimated. The results indicate that the gravel layer has a hydraulic conductivity of approximately 21 gpd/ft² whereas the fine to medium grained sand layer has a hydraulic conductivity of approximately 2.3 gpd/ft² (approximately an order of magnitude lower). Since many interpretations of hydrogeologic data assume homogeneous material, the noted variation of the hydraulic conductivities with respect to the site geology complicates the interpretation of the site data.

2.6.3 Ground Water Elevation Maps

Contoured ground water elevation data were used to illustrate the ground water flow direction and variations of hydraulic gradient across the site. Baseline ground water elevation data collected prior to system startup were used to generate a baseline ground water elevation map (Figure 5). This figure illustrates that, at pre-pumping conditions, ground water flows north to northeast at the site. The hydraulic gradient on-site is approximately 0.05 ft/ft and increase to approximately 0.23 ft/ft near the downgradient property boundary. Between the downgradient property boundary and monitoring well MW-16, the hydraulic gradient decreases to approximately 0.006 ft/ft and then increases to approximately 0.04 ft/ft downgradient of monitoring well MW-16. These changing gradients result from the nonhomogeneous nature of the aquifer and topographic effects. The most dramatic increase in hydraulic gradient occurs from piezometer PZ-14, with a baseline water level elevation of 394.56 feet, to PZ-15, with a baseline water level elevation of 388.32 feet, over a horizontal distance of approximately 27 feet. This increase in hydraulic gradient (6.24 feet vertical versus 27 feet horizontal) is the result of a change in hydraulic conductivities from fine to medium grained sand in piezometer PZ-14 to gravel in piezometer PZ-15. The effect of this lateral change can be seen in the B-B' geologic cross section (See Figure 4).

Ground water flow maps were also prepared to illustrate the ground water elevation data with continued system operation testing. Ground water elevation data from the 24-hour, 48-hour, 72-hour, Day-5, Day-10, and Day-15 are included as

Figures 6, 7, 8, 9, 10, and 11, respectively. These maps illustrate the progression of decreasing ground water elevations due to system operation as the aquifer continues to reach equilibrium with the pumping of the recovery system. As such, these maps indicate expanding areas of influence around the recovery wells.

2.6.4 Drawdown Maps

Contoured drawdown maps illustrate the area of hydraulic influence developed around the recovery wells. Drawdown contour maps were generated for the same six time intervals selected for the ground water elevation maps and are shown in Figures 12, 13, 14, 15, 16, and 17, respectively. These maps depict the amount of drawdown compared with baseline (initial) conditions as the test progressed.

2.6.5 Data Plots

Distance drawdown plots were constructed to graphically depict the expansion of the cone of influence and to assess the effect of well interference. These plots were generated on semi-logarithmic paper using drawdown data from the monitoring wells and piezometers around the recovery wells and plotting the drawdown values versus the distance of the monitoring well or piezometer from the recovery well. The distance drawdown plots for the 24-hour, 48-hour, and 72-hour time intervals for the on-site recovery wells are included in Appendix G.

Time drawdown plots were generated to illustrate the aquifer response to pumping in different areas of the site. Time drawdown plots for piezometers and monitoring wells from representative areas of the site were produced on semi-logarithmic paper with time on the logarithmic axis. These plots include piezometers PZ-1, PZ-2, PZ-3, PZ-15, and PZ-17, and monitoring wells MW-9, MW-10, MW-12, and MW-18 and are included in Appendix H. Piezometers PZ-1, PZ-15, and PZ-17 are located adjacent to recovery wells RW-1 and RW-3 and are screened mainly in the gravel zone; piezometer PZ-3 is located adjacent to recovery well RW-5 and is screened in the fine to medium grained sand layer; and piezometer PZ-2 and monitoring well MW-9 are located adjacent to recovery wells RW-2 and RW-4 and are screened in both the gravel layer and the fine to medium grained sand layer. In addition, monitoring wells MW-10 and MW-12, located upgradient of the recovery well system, represent the area of aquifer thinning. Monitoring well MW-18 is included to illustrate the aquifer response downgradient of the recovery well system.

SECTION 3 - SYSTEM PERFORMANCE EVALUATION

3.1 Interpretation of Ground Water Elevation Maps

Ground water elevation maps (Figures 6, 7, 8, 9, 10, and 11) indicate a trend of decreasing ground water elevations with system operation. Also, the ground water elevation contours indicate localized ground water flow toward the recovery wells. The greatest influence of the system operation on the ground water elevation contours is in the vicinity of recovery wells RW-1, RW-3, RW-4, and RW-6 where localized ground water flow toward these recovery wells are illustrated by the figures. These four recovery wells are screened mainly in the higher permeability gravel layer.

Ground water flow contours around recovery RW-2 and RW-5, mainly screened in the lower permeability fine to medium grained sand layer, show less of an influence to the system operation. This results from the longer time period required to develop the cone of influence in lower permeability materials.

For recovery well RW-2, the documentation of the cone of influence is complicated because the high/low set point elevations straddle the contact between the fine to medium grained sand layer and the gravel layer. This recovery well removes water from both the fine to medium grained sand layer and the gravel layer. Monitoring wells in the vicinity of RW-2 are screened in both the fine to medium grained sand layer and the gravel layer and measure the combined ground water elevations in both layers. The lower hydraulic conductivity of the fine to medium grained sand slows the development of the cone of influence in that layer. At the same time, the drawdown in the gravel is limited due to the

low set point elevation which is just below the top of the gravel. To illustrate this point, monitoring well MW-9, located within 10 feet of recovery well RW-2 and screened in both the fine to medium grained sand layer and the gravel layer, began responding to the pumping of RW-2 when the water level in RW-2 approached the low set point elevation which was within the gravel layer.

A demonstration of the effectiveness of the system operation based solely on contoured ground water elevation data may be possible in aquifers that are homogeneous and isotropic. However, the Maestri site has nonhomogeneities and permeability differences based on the geologic cross sections and the in situ permeability data. Thus, these nonhomogeneities must be considered when interpreting contoured ground water elevation data from the site. Where recovery and monitoring wells are screened in homogenous aquifer material, such as around recovery wells RW-1, RW-3, RW-4, and RW-6, the interpretation of contoured ground water elevation data provide evidence of controlling ground water flow. In areas of the site where nonhomogeneities are more pronounced, such as around recovery wells RW-2 and RW-5, the interpretation of the contoured ground water elevation data is not as straightforward.

The interpretation of the ground water elevation data from monitoring wells in areas of nonhomogeneity must consider the permeability differences in the aquifer. Well screens positioned in both the lower permeability (fine to medium grained sand layer) and higher permeability (gravel layer) portions of the aquifer result in combining ground water elevations from these layers. In higher permeable layers (gravel layer), the development of the cone of influence occurs quicker than in the lower permeable layers (fine to medium

grained sand). Therefore, the delineation of the cone of influence development will be preferentially observed in monitoring wells screened in the higher permeable gravel layer, such as around recovery wells RW-1, RW-3, RW-4, and RW-6. The delineation of the cone of influence in the lower permeable fine to medium grained sand layer is less well defined by monitoring wells which screen both the fine to medium grained sand layer and the gravel layer.

In addition, the ground water elevation maps do not necessarily indicate the influence of the ground water recovery system in areas where the static hydraulic gradient steepens. To illustrate this situation, the time drawdown curve for monitoring well MW-18 indicates that the cone of influence from the recovery system is affecting drawdown after approximately 2000 minutes of operation. Although the ground water elevation contour maps do not indicate influence at monitoring well MW-18, the time drawdown plot of MW-18 clearly indicates influence.

3.2 Area of Capture

The nonhomogeneities and permeability differences at the site complicate the interpretation of the capture zones. Numerical models can be used to accommodate the lateral nonhomogeneities to some extent, although the calibration of such models requires precise definition of aquifer variables. Therefore Todd's equation (Todd, 1980) and distance drawdown plots were used in estimating the area of capture.

Distance drawdown plots indicate well interferences between recovery wells RW-1, RW-3, and RW-4. These well interferences are due to overlapping influence cones and are

accentuated by lateral nonhomogeneities. The distance drawdown plot for recovery well RW-2 indicates little effect of well interference. The monitoring wells and piezometers in the vicinity of recovery well RW-2 are screened in both the gravel layer and the less permeable fine to medium grained sand layer and therefore the cone of influence developing in the fine to medium grained sand is not well defined. Recovery well RW-5 indicates little well interference due to its location south of RW-2 and having no other recovery well to the south.

To provide an estimate of the capture zone radii around the recovery wells, Todd's equation was utilized. This equation is as follows:

$$Y = \pm Q \div (2 \times K \times b \times i)$$

Where: Y = Radius of capture zone
 Q = Flow rate from pumping recovery wells
 K = Hydraulic conductivity
 b = Aquifer thickness
 i = Hydraulic gradient

The hydraulic conductivity values used and the results are as follows:

<u>Well Number</u>	<u>Hydraulic Conductivity</u>	<u>Radius of Capture</u>
RW-1	21.2 gpd/ft ²	64 ft
RW-2	0.78 gpd/ft ²	326 ft
RW-3	58.9 gpd/ft ²	12 ft
RW-4	9.30 gpd/ft ²	41 ft
RW-5	1.70 gpd/ft ²	360 ft

The results of the calculations indicate that the radii of capture from the recovery wells overlap and suggest capture of the ground water flowing through the site. As indicated in the above table, the radii of capture calculated for recovery wells RW-2 and RW-5 was

over 300 feet. These radii are based on theoretical calculations and would be attained over a long time period in a homogeneous aquifer.

3.3 Aquifer Dewatering

Various data developed during the system operation indicate that the ground water recovery system is dewatering the aquifer. Simply stated, aquifer dewatering means that the system is recovering more ground water than is currently flowing through the site. The excess water is being removed from the aquifer storage. The following paragraphs are illustrative examples of aquifer dewatering;

- Drawdown maps, illustrating the cone of influence around the recovery wells, indicate that the upgradient monitoring wells MW-10 and MW-12 are being influenced by the pumping of the recovery well system. Based on the evidence of aquifer thinning in the vicinity of these upgradient monitoring wells (Figure 4), the cone of influence extending as far as these monitoring wells suggests aquifer dewatering. The area defined by the drawdown contours represent the volume of water removed from storage.
- Time drawdown plots generated for selected monitoring wells are also illustrative of aquifer dewatering. A review of the time drawdown plots (Appendix G) indicate that the piezometers and monitoring wells situated in close proximity to the recovery system (PZ-1, PZ-2, PZ-3, PZ-15, PZ-17, and

MW-9) show notable recharge at the time of the two system shut downs, at approximately 700 and 8000 minutes (elapsed time). However, the plots for wells situated further away from the recovery system (MW-10, MW-12, and MW-18) show almost no recharge. This indicates that the aquifer in the vicinity of the on-site recovery wells recharges fairly quickly whereas the aquifer further away from the on-site recovery wells does not because water is not available for recharge. This situation confirms the limited extent of the aquifer and indicates that the system is dewatering the aquifer.

- Time drawdown plots for monitoring wells MW-10, MW-12, and MW-18 indicate slight variability in the ground water elevations with time, which are typical of background monitoring wells. However, a consistent drawdown pattern begins to appear in these monitoring wells at approximately 2000 minutes and represents influence from the operation of the recovery wells. A review of other time drawdown plots indicates an increased change in slope beginning at approximately 2000 minutes. These drawdown patterns indicate that a low-flow boundary condition was encountered which affected the aquifer recharge and therefore the ground water levels at the site. These data provide evidence of aquifer dewatering.
- Ground water volumes recovered by the well system during the 72-hour test are shown on Table 3. A review of these data indicates that the volumes

decreased in each successive 24-hour time period of system operation. These decreasing volumes indicate that the aquifer was producing less water through time, which is a further indication of aquifer dewatering. The volumes should continue to decrease until the equilibrium conditions are established.

- To further evaluate the effectiveness of the ground water recovery system, the volume of water recovered by the system was compared to the estimated volume of water flowing across the site. The volume of water recovered by the system is based on meter readings from the system whereas the volume of water flowing through the site was calculated using the Darcy flow equation:

$$Q = K \times i \times A$$

Where: Q = Flow
 K = Hydraulic conductivity
 i = Hydraulic gradient
 A = Area (Aquifer Width x Aquifer Thickness)

The cross sectional areas of the gravel layer and the fine to medium grained sand layer were calculated to be 970 ft² and 860 ft², respectively, along a transect drawn across the area of impacted ground water at the site. Using estimates of hydraulic conductivity for the gravel layer, of 21 gpd/ft, and the fine to medium grained sand layer, of 2.3 gpd/ft, presented in section 2.6.2 and a hydraulic gradient of approximately 0.05 ft/ft from the baseline ground water elevation map, the volume of water flowing through the site was calculated to be approximately 1200 gallons per day. This estimate is much

lower than the approximately 2000 gallons of water per day recovered by the system during the test which indicates that the recovery system, as operating, is collecting the impacted ground water flowing through the site and is dewatering the aquifer.

Aquifer dewatering will continue until the aquifer reaches equilibrium with the recovery well system. The dewatering effect removes water from aquifer storage and continues until the excess storage has been removed and the volume of water flowing through the site equals the volume of water being removed by the recovery system (equilibrium). As an estimate of when the water in storage will be depleted, the volume of water in the aquifer upgradient of the recovery system, calculated to be approximately 1.6 million gallons, was compared to volume of water being removed by the system daily, approximately 2000 gallons per day. Based on these estimates, the water in storage will be depleted in 2.2 years. However, equilibrium conditions will likely be attained prior to complete water storage depletion.

3.4 Ground Water Quality Data

The purpose of implementing a ground water recovery system at the site is to recover the impacted ground water and to mitigate off-site migration of impacted ground water. Prior to system operation, the ground water quality in the area indicated concentrations of xylene in off-site monitoring wells MW-16 (57 ppb) and MW-17 (7800 ppb) during the

August 1990 sampling event. In addition, xylene concentrations were noted in a residential sump downgradient of the site.

Since operation of the ground water recovery system began in May 1992, the concentration of xylene in monitoring well MW-16 and the residential sump have been reduced to below the detection limit of 3 ppb. Also, the concentration of xylene in monitoring well MW-17 has decreased to 5500 ppb as detected in July 1994. The decreasing xylene concentrations in the downgradient monitoring wells and residential sump indicate that the ground water recovery system is effectively reducing and controlling the xylene concentrations in the ground water.

SECTION 4 - SUMMARY, RESULTS, AND CONCLUSIONS

4.1 Summary

The results of the data collection efforts performed to fulfill the objectives of the ground water recovery well effectiveness study described in this report are summarized below. This summary outlines the methods and procedures used to demonstrate the operational efficiency and applicability of the recovery well system as required by the NYSDEC.

1. The pump control system for the ground water recovery wells was evaluated based on the recommendations presented in the Ground Water Recovery Wells Effectiveness Report (OBG, June 1993). The evaluation of the pump control system resulted in modifications to the system by installing pressure transducers in the recovery wells to monitor the ground water elevations. Signals from the pressure transducers are sent to the programmable logic controller which operate the pumps based on the water level elevations.
2. Prior to testing the modified ground water recovery system, fourteen additional piezometers were installed at the site in June 1994 to supplement the existing subsurface geologic and hydrogeologic information. Ground water quality samples were collected to augment the existing data base. Ground water elevations were measured to establish a pretest baseline.

3. The ground water recovery system was tested by operating the five on-site ground water recovery wells (RW-1 to RW-5). After 72 hours, recovery well RW-6 was brought on-line. The ground water elevations from the on- and off-site monitoring wells and piezometers were measured for both a short-term and long-term monitoring program. The short-term monitoring program was 72 hours. The long-term monitoring program was six weeks. Data for the first 15 days of operation were used in this report.
4. Data used in the evaluation of the effectiveness of the ground water recovery system included: 1) The existing subsurface geologic information which was supplemented by the installation of additional piezometers; 2) Hydraulic conductivity data; 3) Ground water quality data; 4) Ground water elevation data collected during the short and long-term monitoring programs; and 5) Ground water recovery well yield information collected during the short- and long-term monitoring programs.
5. The data were used to assess: 1) site geologic variations; 2) hydraulic conductivity variations and prepare; 3) ground water elevation maps; 4) distance drawdown maps; and 5) plots of ground water level data with respect to time.

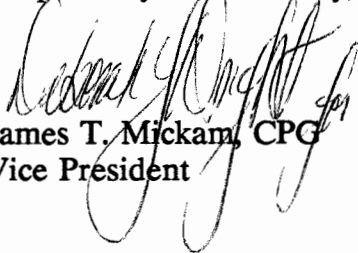
4.2 Results and Conclusions

Based on the evaluation of the available data, the results and conclusions developed from this report are summarized below. Specifically:

1. Analyses of the collected data confirm the limited extent and thickness of the overburden aquifer at the site. In addition, the permeability and hydraulic gradient changes across the site have been confirmed and further delineated.
2. The ground water elevation maps illustrate a trend of decreasing ground water elevations with time. The ground water elevation contours indicate localized ground water flow toward the recovery wells, especially around recovery wells RW-1, RW-3, RW-4, and RW-6.
3. Using Todd's equation, calculated areas of capture around the recovery wells indicate overlapping ground water capture zones which suggest effective recovery of ground water from the site.
4. The ground water recovery system is dewatering the aquifer at the site based on the lines of evidence presented in Section 3.3. Aquifer dewatering means that more water is being removed from the aquifer than is flowing through the site. Therefore, the system is removing the available water and is thus effectively recovering the impacted ground water at the site. Aquifer dewatering will continue until an equilibrium is reached where the amount of water flowing through the site equals the amount of water being recovered by the system.

5. Ground water quality data collected from off-site monitoring wells indicate that since system startup in May 1992, the xylene concentration in the ground water has decreased at several downgradient wells. These data supported the conclusion that the ground water recovery system is controlling migration of contaminants from the site.
6. The results of the data analysis demonstrate that the modified system controls at the site optimize the effectiveness of the recovery wells. The evidence provided by the performance test demonstrate that the ground water recovery system at the Maestri site is effectively capturing the volatile organic compound plume in the ground water.

Respectfully submitted by,



James T. Mickam, CPG
Vice President

Prepared by:

Deborah Y. Wright, CPG
Managing Hydrogeologist

John M. Mason
Hydrogeologist

TABLE 1
MONITORING WELL, RECOVERY WELL, AND PIEZOMETER SPECIFICATION

MASETRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

WELL NO.	WELL DEPTH BELOW GRADE (FEET)	GRADE ELEV. (FT)	PROTECTIVE STEEL CASING ELEV. (FT)	DEPTH TO BEDROCK (FEET)	MEASURING POINT ELEVATIONS (*/**) (FEET)	SCREENED - INTERVAL (FEET)	HYDRAULIC COND. (cm/s)
MW-5	34.51	432.80	434.73	8.0	434.50 *	398.29 - 413.29	7.8 X 10 ⁻³
MW-6	20.40	407.20	409.44	21.0	409.26 *	386.80 - 401.80	8.0 X 10 ⁻⁶
MW-7	38.27	406.90	409.15	21.0	408.99 *	368.63 - 378.63	8.0 X 10 ⁻⁶
MW-8	37.04	406.14	408.14	20.0	408.02 *	369.10 - 379.10	2.1 X 10 ⁻⁵
MW-9	19.20	406.20	407.79	20.0	407.51 *	387.00 - 397.00	3.7 X 10 ⁻⁵
MW-10	19.48	412.50	414.13	20.0	413.92 *	393.02 - 403.02	1.5 X 10 ⁻⁵
MW-11	40.46	416.50	417.93	21.0	417.46 **	376.04 - 386.04	1.0 X 10 ⁻⁴
MW-12	19.16	416.60	418.54	21.0	418.36 **	397.44 - 407.44	3.2 X 10 ⁻⁴
MW-13	46.44	404.60	406.00	27.8	405.68 **	358.16 - 368.16	3.2 X 10 ⁻⁷
MW-14	19.93	404.50	405.79	27.8	405.18 **	384.57 - 394.57	9.8 X 10 ⁻⁴
MW-15	45.03	391.10	392.58	28.0	391.04 **	346.07 - 356.07	2.1 X 10 ⁻⁶
MW-16	17.82	391.00	392.56	28.0	390.57 **	373.18 - 383.18	4.8 X 10 ⁻²
MW-17	19.10	393.60	395.28	NA	393.26 **	374.50 - 384.50	1.6 X 10 ⁻³
MW-18	15.65	394.00	395.11	18.5	393.59 **	378.35 - 388.35	4.0 X 10 ⁻⁴
MW-19	39.96	394.00	395.06	18.5	393.26 **	354.04 - 364.04	8.4 X 10 ⁻⁶
MW-20	16.72	386.80	386.85	NA	386.59 **	369.87 - 379.87	2.9 X 10 ⁻⁴
MW-21	19.86	385.80	385.95	NA	385.70 **	365.84 - 375.84	3.6 X 10 ⁻⁶

TABLE 1
MONITORING WELL, RECOVERY WELL, AND PIEZOMETER SPECIFICATION

MASETRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

WELL NO.	WELL DEPTH BELOW GRADE (FEET)	GRADE ELEV. (FT)	PROTECTIVE STEEL CASING ELEV. (FT)	DEPTH TO BEDROCK (FEET)	MEASURING POINT ELEVATIONS (*/**) (FEET)	SCREENED - INTERVAL (FEET)	HYDRAULIC COND. (cm/s)
PZ-1	22.80	405.00	407.16	NA	407.02 **	382.20 - 392.20	1.1 x 10 ⁻⁴
PZ-2	19.66	405.50	407.37	NA	407.24 **	385.84 - 395.84	2.5 x 10 ⁻⁵
PZ-3	20.10	407.80	409.75	NA	409.60 **	387.70 - 397.70	8.1 x 10 ⁻⁵
PZ-4	19.50	394.70	394.84	NA	394.50 **	375.00 - 385.00	NA
PZ-5	20.00	393.70	393.71	NA	393.34 **	373.34 - 383.34	NA
PZ-6	20.30	408.30	410.42	NA	410.22 *	377.96 - 387.96	NA
PZ-7	23.10	407.20	409.30	NA	409.17 *	374.09 - 384.09	NA
PZ-8	20.10	408.30	410.24	NA	410.07 *	378.24 - 388.24	NA
PZ-9	21.20	406.90	408.92	NA	408.77 *	375.73 - 385.73	NA
PZ-10	20.00	405.90	407.21	NA	407.07 *	375.37 - 385.37	NA
PZ-11	20.90	407.20	409.32	NA	409.17 *	376.27 - 386.27	NA
PZ-12	20.50	406.20	408.35	NA	408.21 *	375.72 - 385.72	NA
PZ-13	19.70	405.30	407.31	NA	407.17 *	375.57 - 385.57	NA
PZ-14	22.70	406.70	408.61	NA	408.47 *	374.01 - 384.01	NA
PZ-15	22.10	405.00	406.90	NA	406.77 *	372.91 - 382.91	NA
PZ-16	25.20	404.70	406.84	NA	406.70 *	369.46 - 379.46	NA
PZ-17	25.30	405.80	407.79	NA	407.61 *	370.47 - 380.47	NA
PZ-18	23.20	404.40	406.48	NA	406.32 *	371.18 - 381.18	NA
PZ-19	23.90	404.90	407.04	NA	406.90 *	371.03 - 381.03	NA

TABLE 1
MONITORING WELL, RECOVERY WELL, AND PIEZOMETER SPECIFICATION

MASETRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

WELL NO.	WELL DEPTH BELOW GRADE (FEET)	GRADE ELEV. (FT)	PROTECTIVE STEEL CASING ELEV. (FT)	DEPTH TO BEDROCK (FEET)	MEASURING POINT ELEVATIONS (*/**) (FEET)	SCREENED - INTERVAL (FEET)	HYDRAULIC COND. (cm/s)
RW-1	25.09	405.40	407.75	NA	406.86 **	383.31 - 393.31	NA
RW-2	20.64	405.50	407.86	NA	406.46 **	386.86 - 396.86	NA
RW-3	25.33	404.30	407.19	NA	407.02 **	381.97 - 391.97	NA
RW-4	22.95	406.30	409.11	NA	408.90 **	386.35 - 395.35	NA
RW-5	24.53	407.70	NA	NA	409.67 **	386.17 - 396.17	NA
RW-6	21.86	393.60	393.64	NA	393.29 **	374.74 - 384.74	NA

NOTES: MW-5 and MW-6 Installed by Malcolm-Pirnie, Inc. in December 1987.

* - PVC

** - Stainless Steel

NA - Not Available

TABLE 2
PRESSURE TRANSDUCER INFORMATION

MASETRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

WELL #	TOP OF CASING ELEVATION	BOTTOM OF WELL SCREEN ELEVATION	PUMP INTAKE ELEVATION	PRESSURE TRANSDUCER ELEVATION	SET POINT ELEVATIONS		
					LOW	HIGH	HIGH/HIGH
RW-1	406.86	382.73	382.56	381.79	383.29	385.29	388.29
RW-2	406.46	386.86	388.26	386.01	388.65	390.65	393.65
RW-3	407.02	381.97	382.12	380.06	382.59	384.59	387.59
RW-4	408.90	386.35	386.90	384.65	387.30	389.30	392.30
RW-5	409.67	386.17	386.57	383.59	386.92	388.92	391.92
RW-6	393.29	374.74	373.39	372.29	375.29	378.79	380.29

TABLE 3
RECOVERY WELL FLOW INFORMATION

MASETRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

WELL #	PUMP FLOW RATE SETTINGS (GPM)	INITIAL TIME OF PUMP SHUT OFF (MIN)	CALCULATED FLOW RATES (GPM) *			TOTAL FLOW VOLUME (GALLONS)		
			24 HOUR	48 HOUR	72 HOUR	24 HOUR	48 HOUR	72 HOUR
RW-1	0.97	220.0	0.64	0.51	0.46	921	736	656
RW-2	0.80	17.5	0.13	0.10	0.09	187	139	123
RW-3	0.92	13.3	0.39	0.37	0.34	566	535	495
RW-4	0.85	24.7	0.19	0.18	0.16	278	252	226
RW-5	0.44	183.8	0.32	0.29	0.27	461	413	392
RW-6	0.00	NA	0.00	0.00	0.00	0	0	0
TOTALS:			2413	2075	1892			

NOTE: (*) - Flow rates calculated by taking volume pumped in one 24 hour period and dividing by 1440 minutes (24 hours).
(NA) - Not Applicable.

FIGURES

FIGURE 1

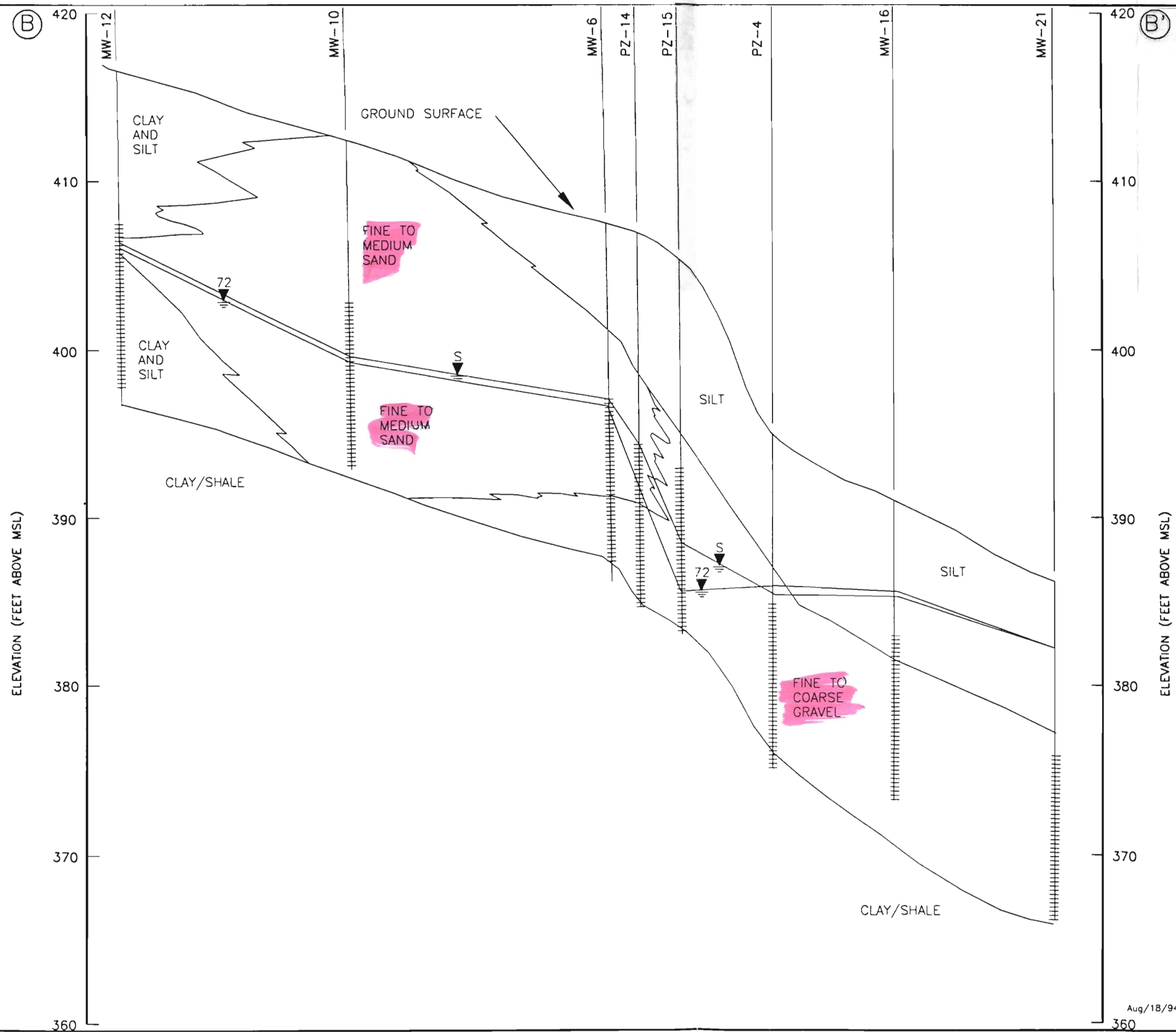
MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

SITE MAP
(ENLARGED)



FIGURE 4

MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK



LEGEND

WELL SCREEN INTERVAL

STATIC GROUND WATER ELEVATION

GROUND WATER ELEVATION (72 HOURS)

NOTE:
VERTICAL EXAGGERATION = 10X.

GEOLOGIC CROSS
SECTION B-B'

60 0 60

APPROX. SCALE IN FEET

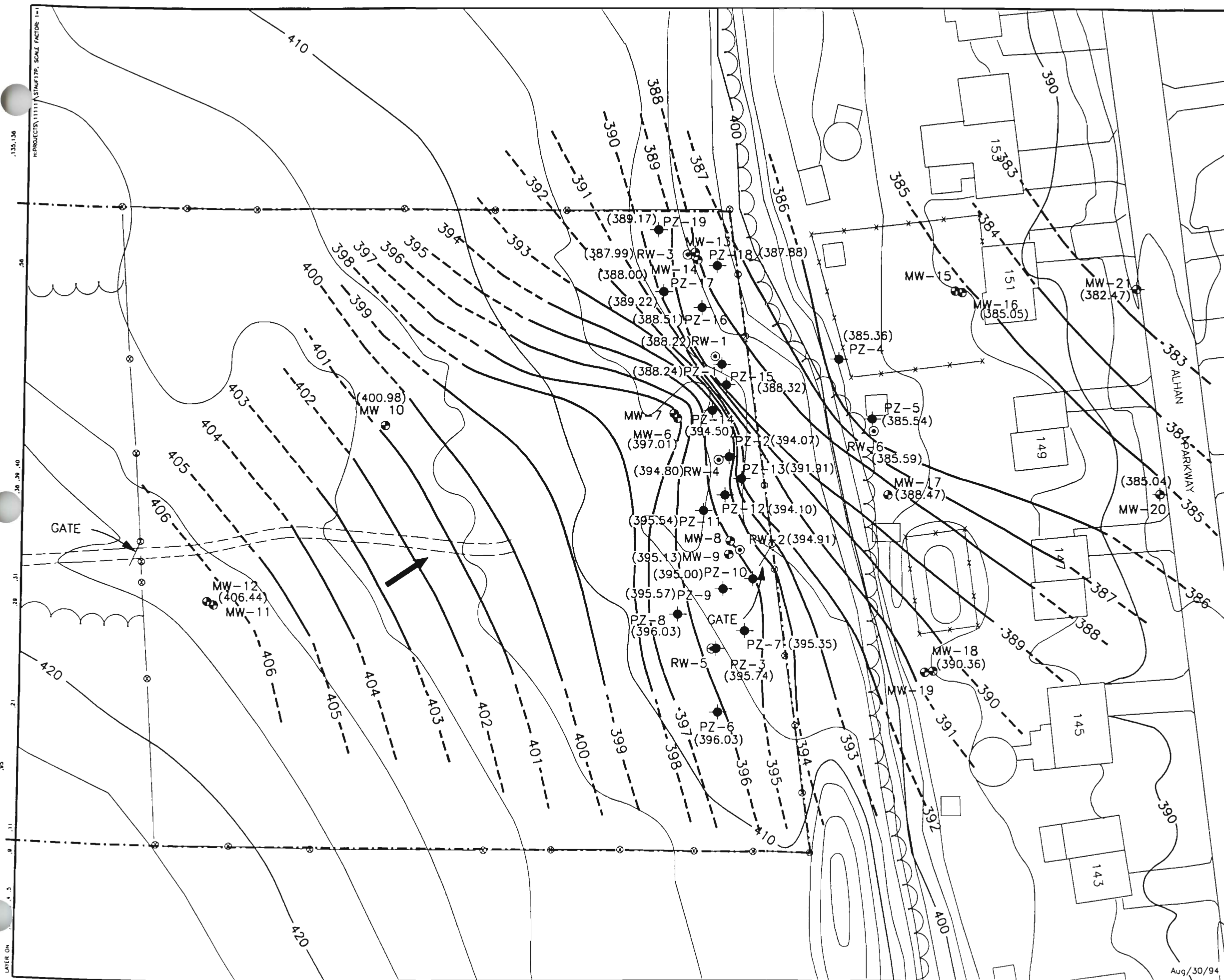
5618.003-15F

O'BRIEN & GERE
ENGINEERS, INC.

Aug/18/94

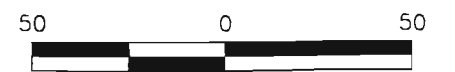
FIGURE 5

MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK
BASELINE GROUND WATER
ELEVATION MAP
(7/11/94)



LEGEND

- TREE LINE
- ACCESS ROAD
- MAESTRI SITE PROPERTY BOUNDARY
- FENCE
- 8' HIGH SECURITY FENCE
- MONITORING WELLS
- RECOVERY WELL
- PIEZOMETER
- (385.04) GROUND WATER ELEVATION
- GROUND WATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- GROUND WATER FLOW DIRECTION



APPROX. SCALE IN FEET

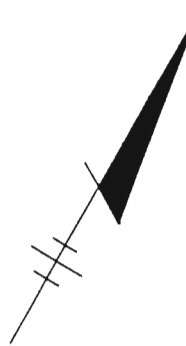
5618.003 - 08F

Aug/30/94

FIGURE 6

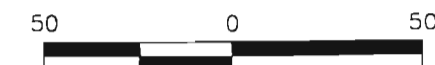
MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

24 HOUR GROUND WATER
ELEVATION MAP
(7/12/94)



LEGEND

- TREE LINE
- ACCESS ROAD
- MAESTRI SITE PROPERTY BOUNDARY
- FENCE
- 8' HIGH SECURITY FENCE
- MONITORING WELLS
- RECOVERY WELL
- PIEZOMETER
- (385.10) GROUND WATER ELEVATION
- GROUND WATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- GROUND WATER FLOW DIRECTION



APPROX. SCALE IN FEET
5618.003-01F

O'BRIEN & GERE
ENGINEERS, INC.

Aug/30/94

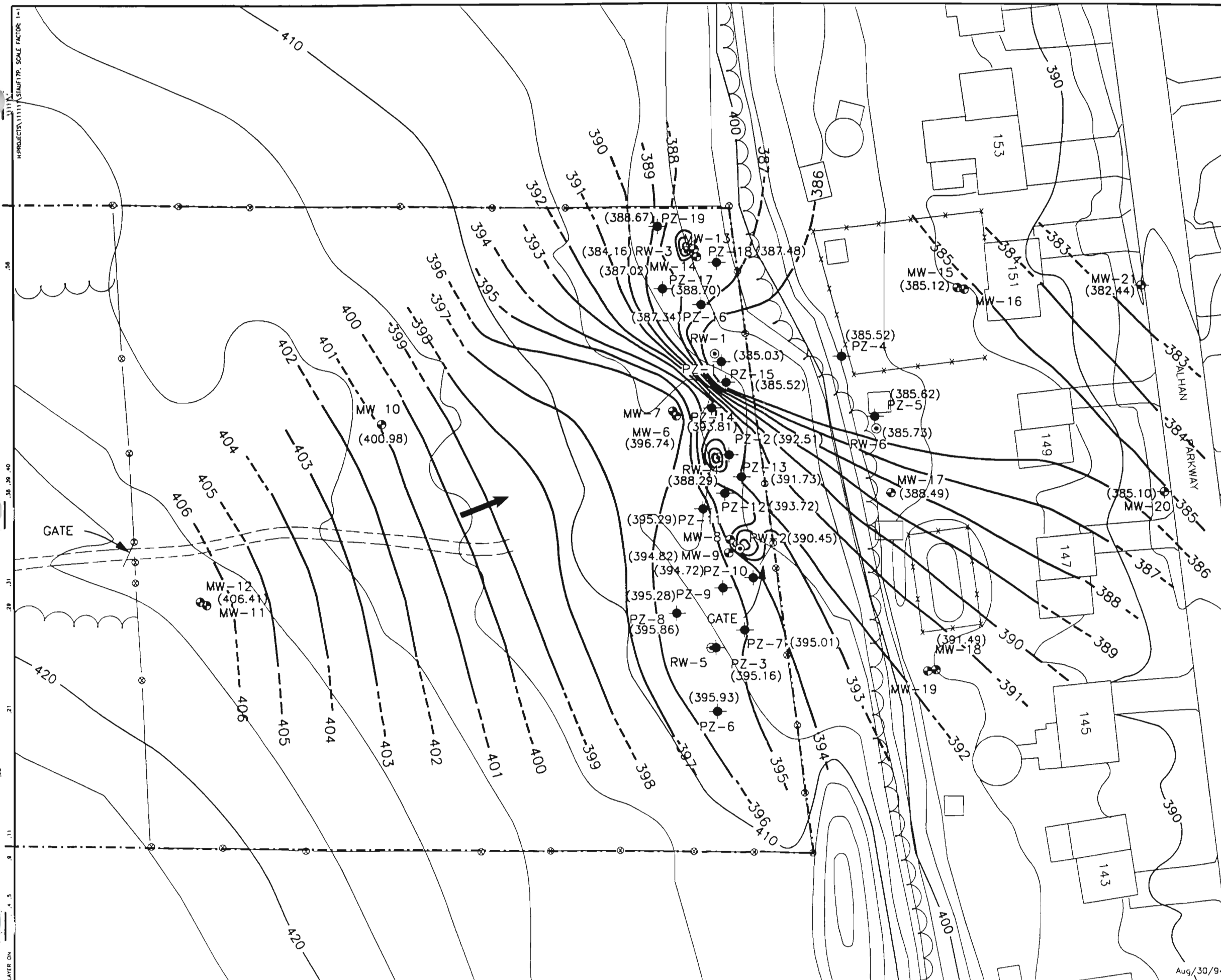


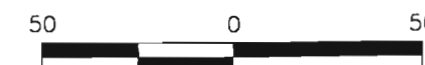
FIGURE 7

MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

48 HOUR GROUND WATER
ELEVATION MAP
(7/13/94)

LEGEND

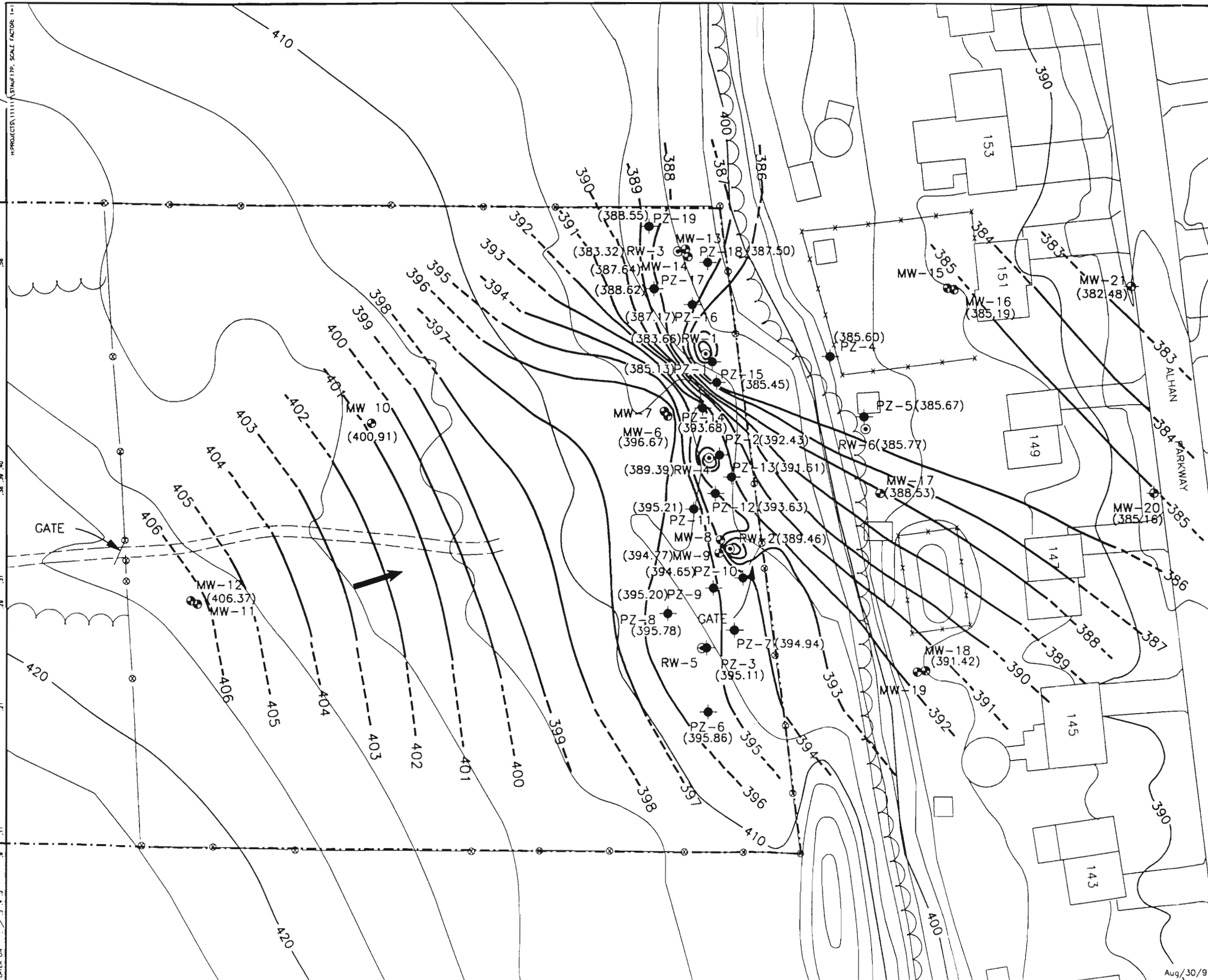
- TREE LINE
- ACCESS ROAD
- MAESTRI SITE PROPERTY BOUNDARY
- FENCE
- 8' HIGH SECURITY FENCE
- MONITORING WELLS
- RECOVERY WELL
- PIEZOMETER
- (385.19) GROUND WATER ELEVATION
- GROUND WATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- GROUND WATER FLOW DIRECTION



APPROX. SCALE IN FEET
5618.003 - 18F

O'BRIEN & GERE
ENGINEERS, INC.

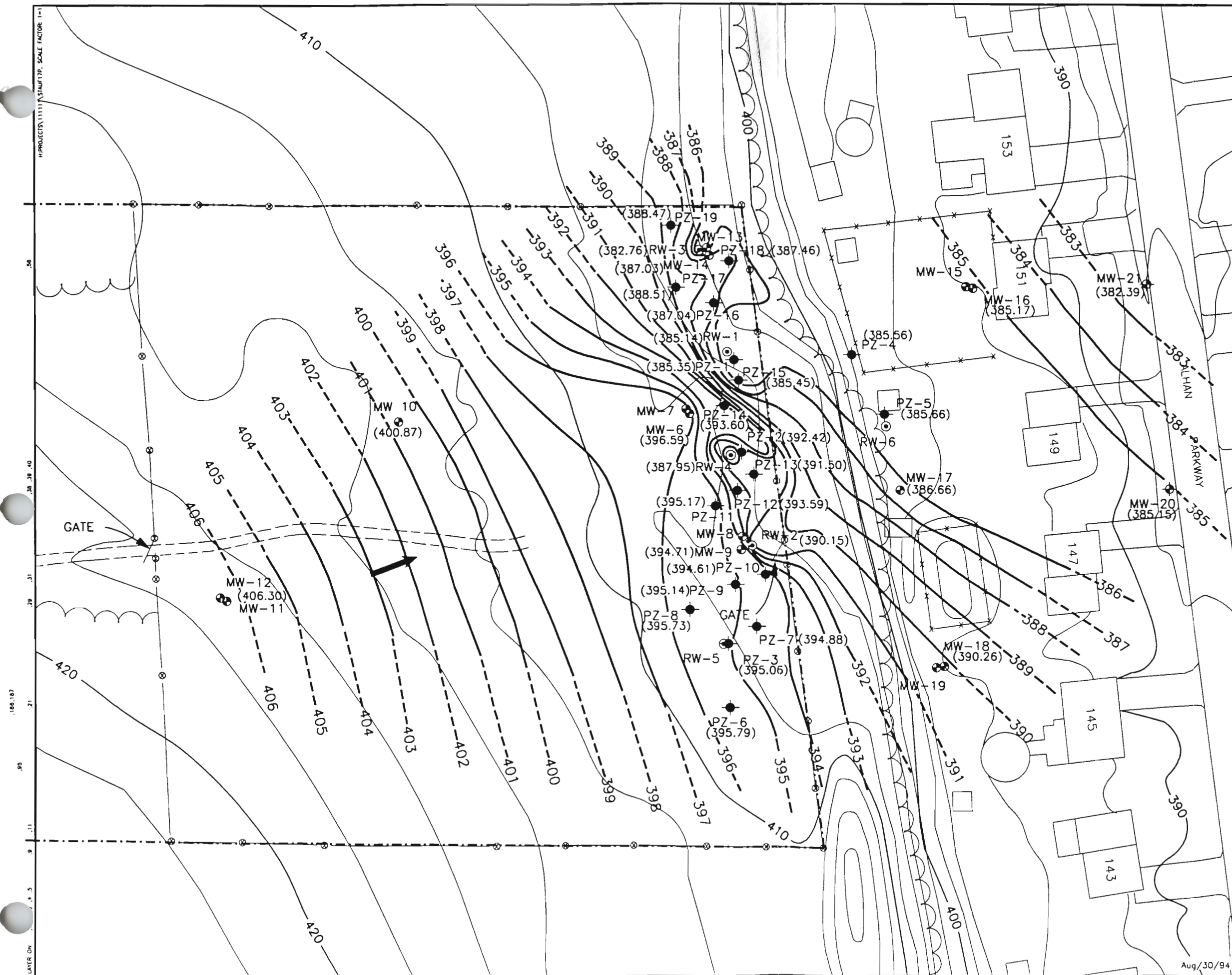
Aug/30/94



LAYER ON 11/11/94 STAFF TP. SCALE FACTOR 1=1

FIGURE 8

MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK
72 HOUR GROUND WATER
ELEVATION MAP
(7/14/94)



- LEGEND**
- TREE LINE
 - - - ACCESS ROAD
 - - - MAESTRI SITE PROPERTY BOUNDARY
 - - - FENCE
 - ⊗ 8' HIGH SECURITY FENCE
 - ⊙ MONITORING WELLS
 - ⊙ RECOVERY WELL
 - ⊙ PIEZOMETER
 - (395.79) GROUND WATER ELEVATION
 - - - GROUND WATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
 - GROUND WATER FLOW DIRECTION

50 0 50

APPROX. SCALE IN FEET

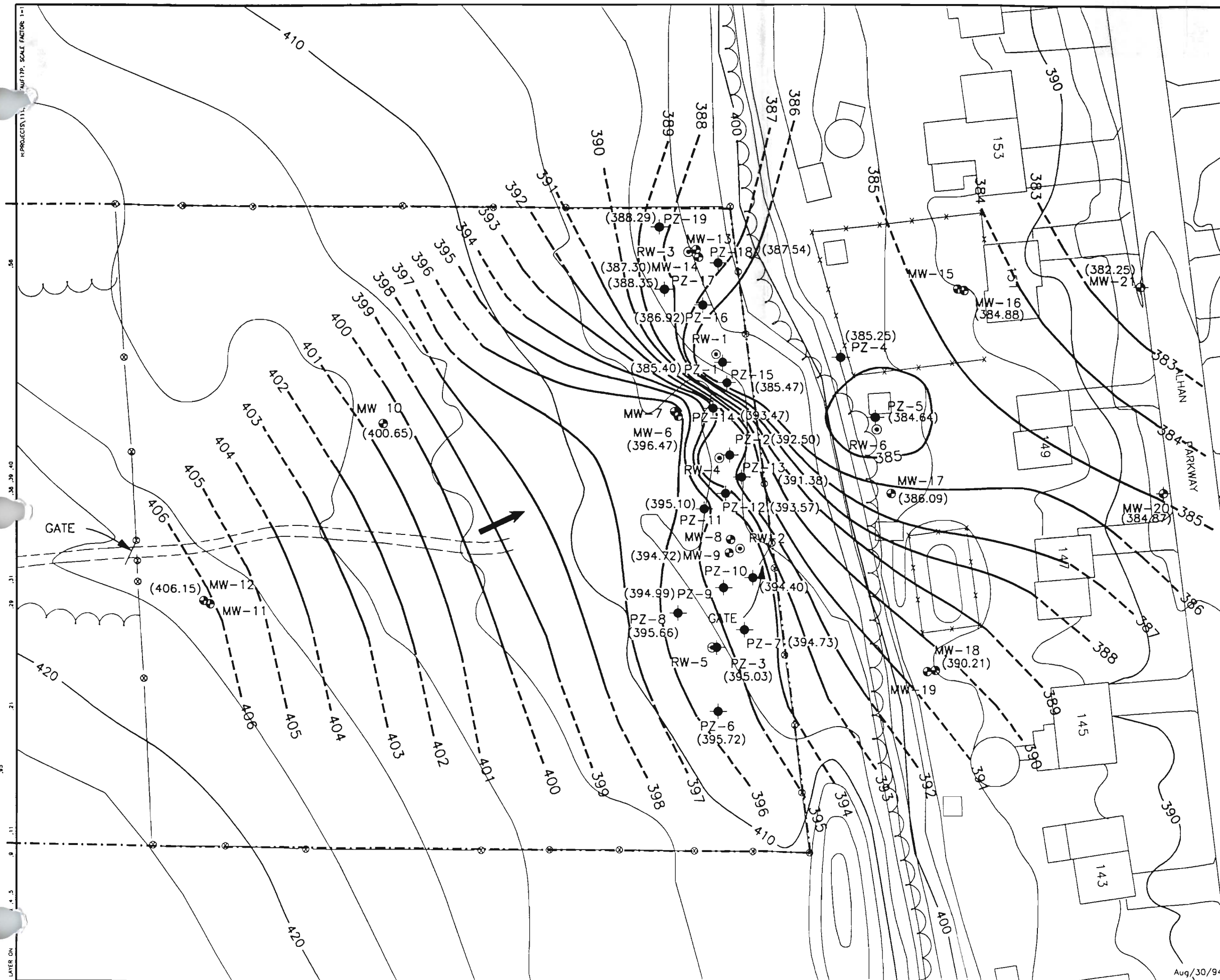
5618.003-19F

O'BRIEN & GERE
ENGINEERS, INC.

Aug/30/94

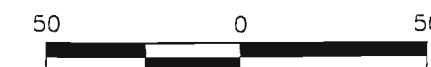
FIGURE 9

MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK
DAY 5 GROUND WATER
ELEVATION MAP
(7/16/94)



LEGEND

- TREE LINE
- ACCESS ROAD
- MAESTRI SITE PROPERTY BOUNDARY
- FENCE
- 8' HIGH SECURITY FENCE
- MONITORING WELLS
- RECOVERY WELL
- PIEZOMETER
- (384.87) GROUND WATER ELEVATION
- GROUND WATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- GROUND WATER FLOW DIRECTION



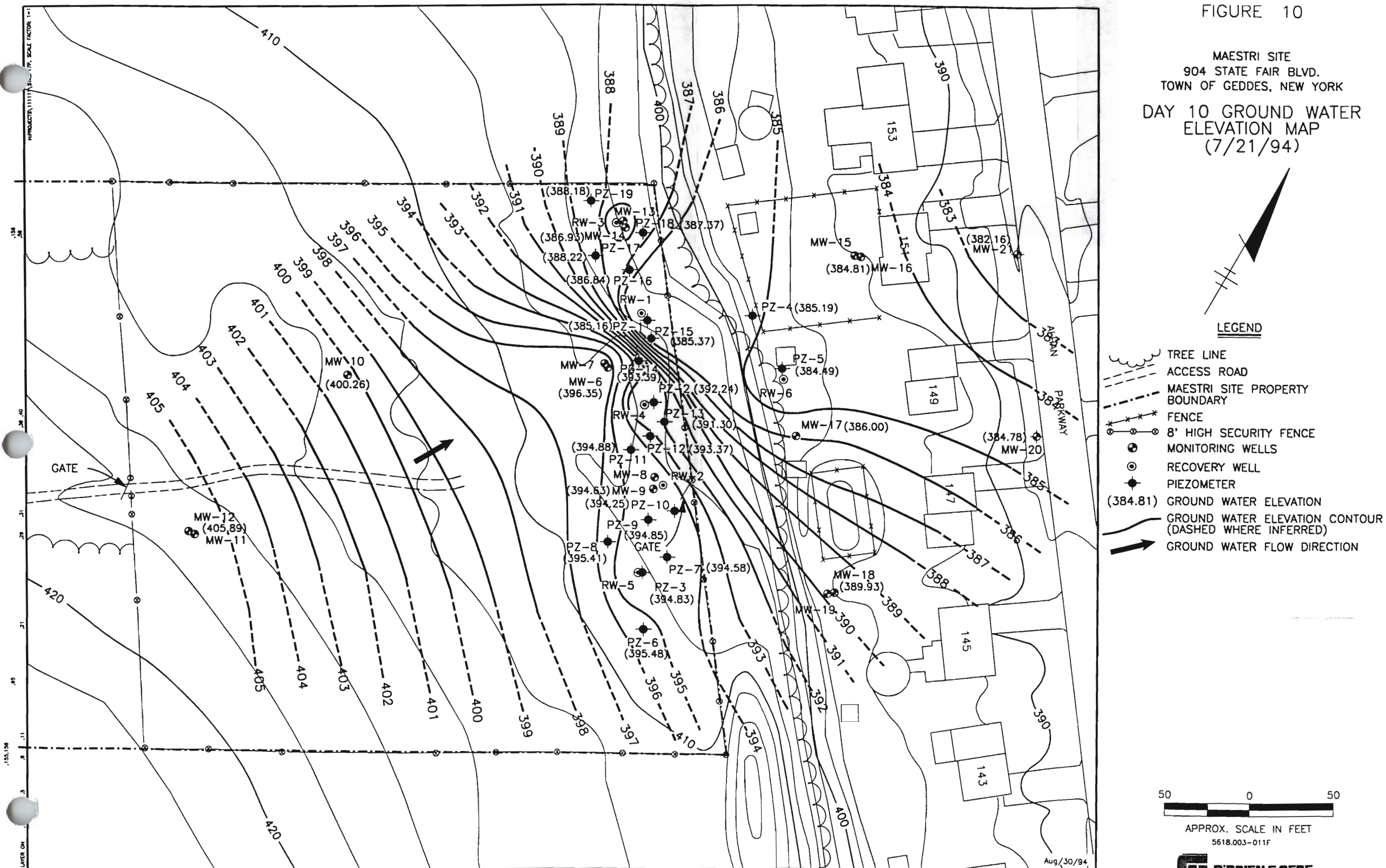
APPROX. SCALE IN FEET
5618.003-09F

O'BRIEN & GERE
ENGINEERS, INC.

Aug/30/94

FIGURE 10

MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK
DAY 10 GROUND WATER
ELEVATION MAP
(7/21/94)



50 0 50

APPROX. SCALE IN FEET

5618.003-011F

O'BRIEN & GERE
ENGINEERS, INC.

FIGURE 11

MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

DAY 15 GROUND WATER
ELEVATION MAP
(7/26/94)

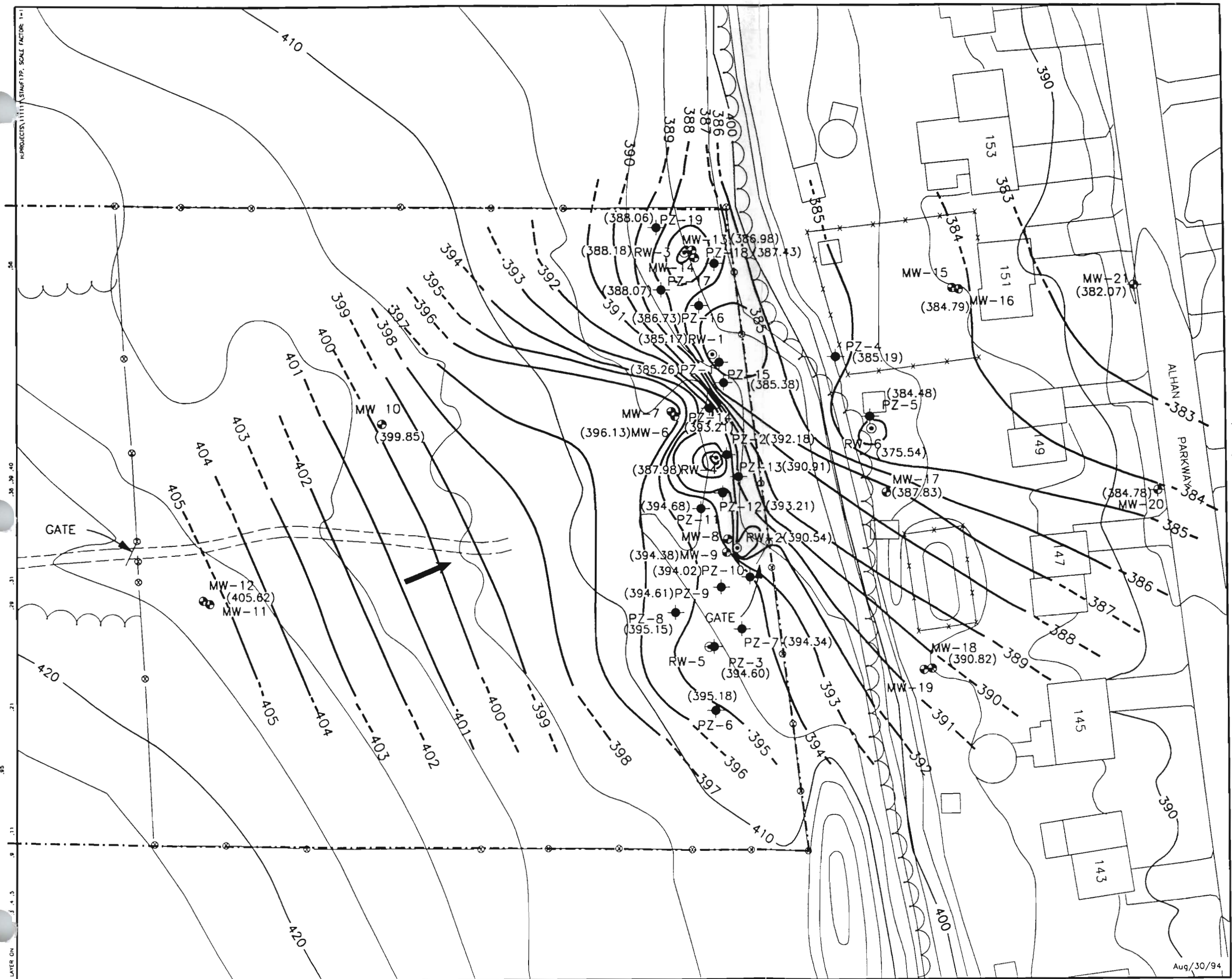


FIGURE 12

MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK
24 HOUR DRAWDOWN MAP
(7/12/94)

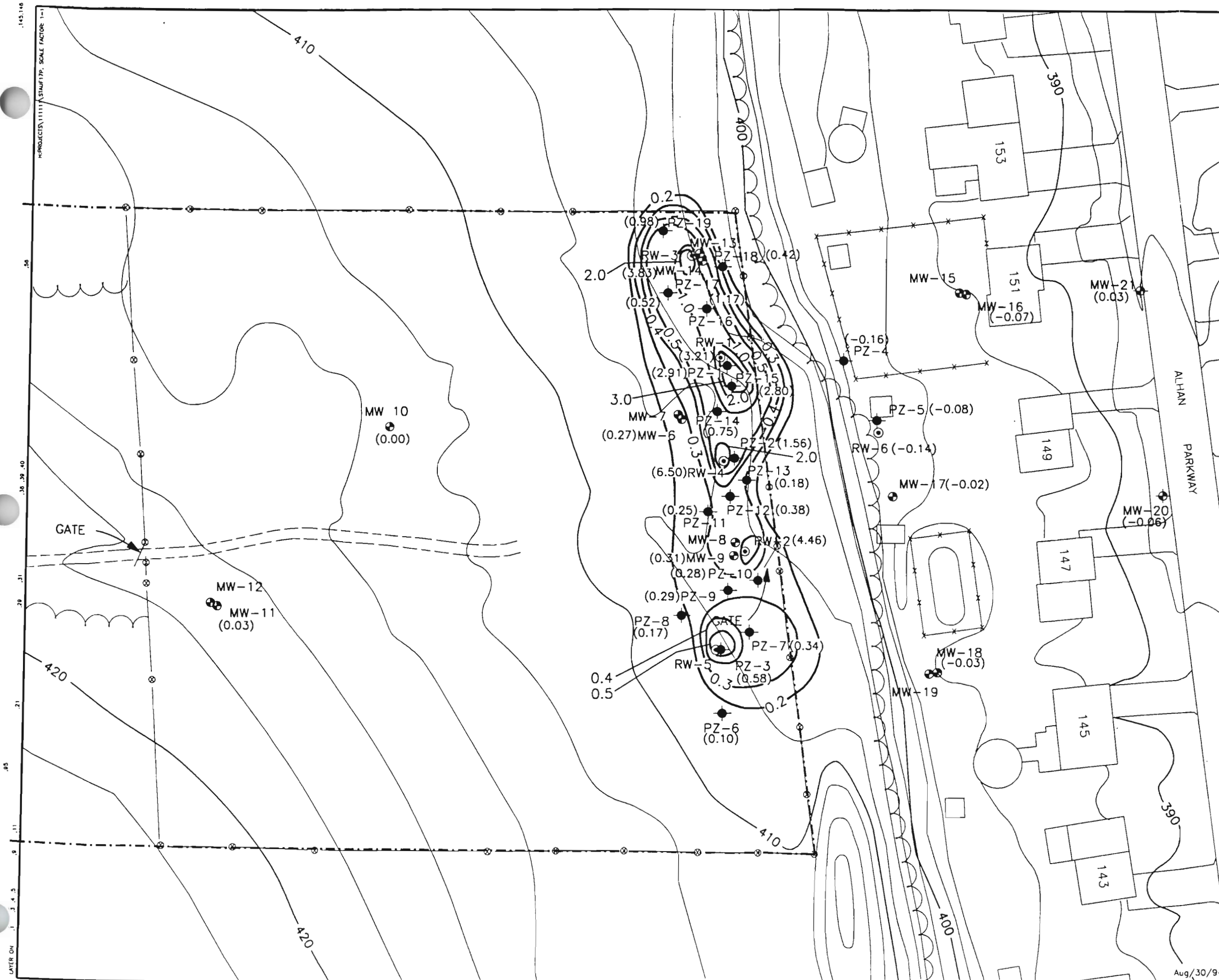
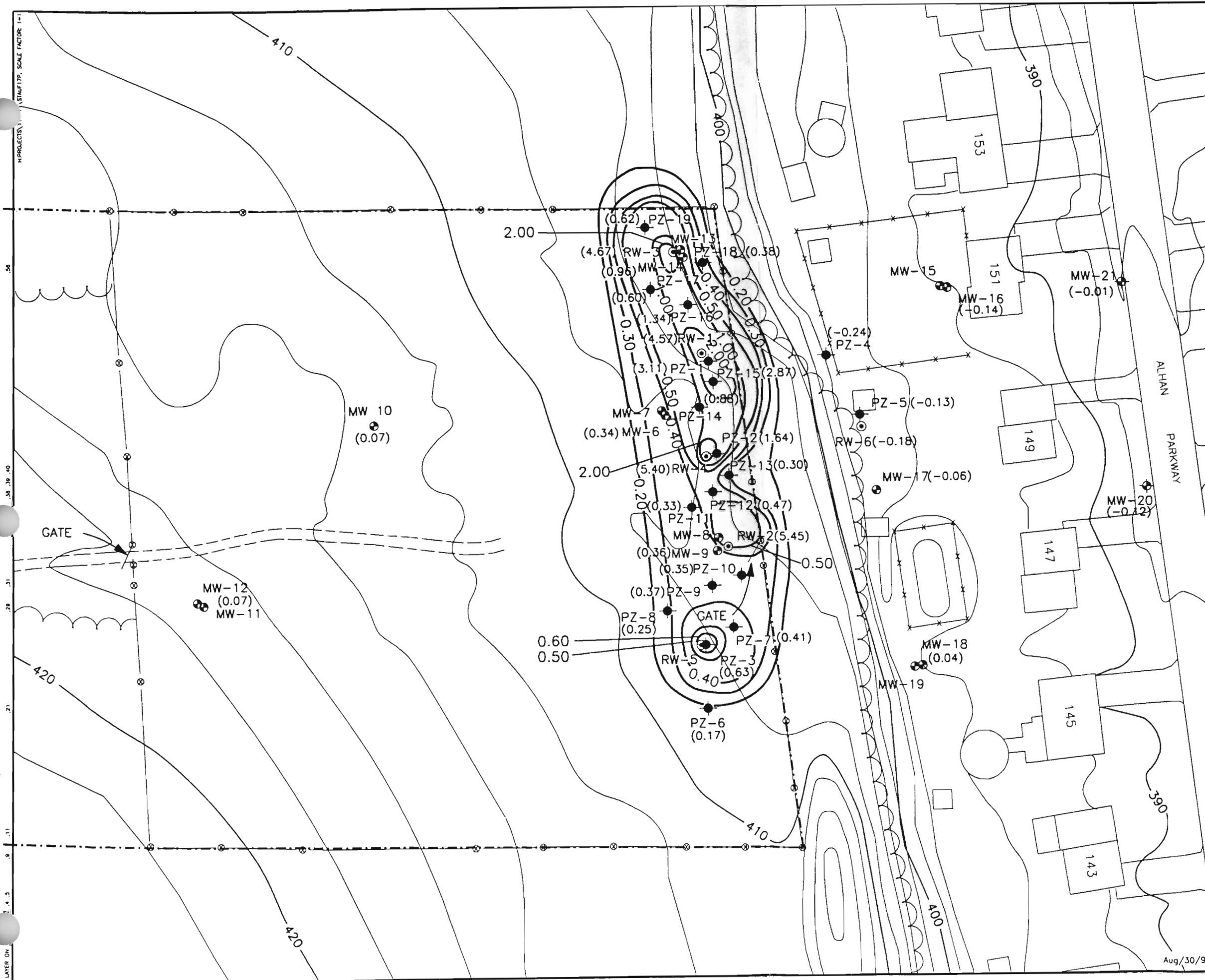


FIGURE 13

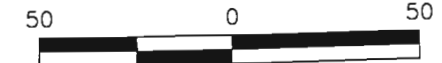
MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK
48 HOUR DRAWDOWN MAP
(7/13/94)



LEGEND

- TREE LINE
- - - ACCESS ROAD
- - - MAESTRI SITE PROPERTY BOUNDARY
- x - x - FENCE
- x - x - 8' HIGH SECURITY FENCE
- MONITORING WELLS
- ⊙ RECOVERY WELL
- PIEZOMETER
- (0.88) DRAWDOWN FROM BASELINE (IN FEET)
- DRAWDOWN CONTOUR (IN FEET)

NOTE:
DRAWDOWN CONTOUR INTERVAL VARIES.



APPROX. SCALE IN FEET
5618.003-03F

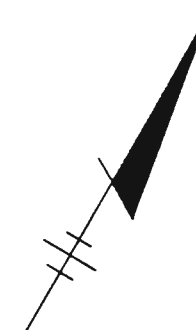
O'BRIEN & GERE
ENGINEERS, INC.

Aug/30/94

FIGURE 14

MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

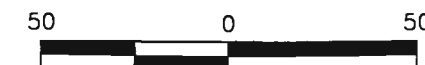
72 HOUR DRAWDOWN MAP
(7/14/94)



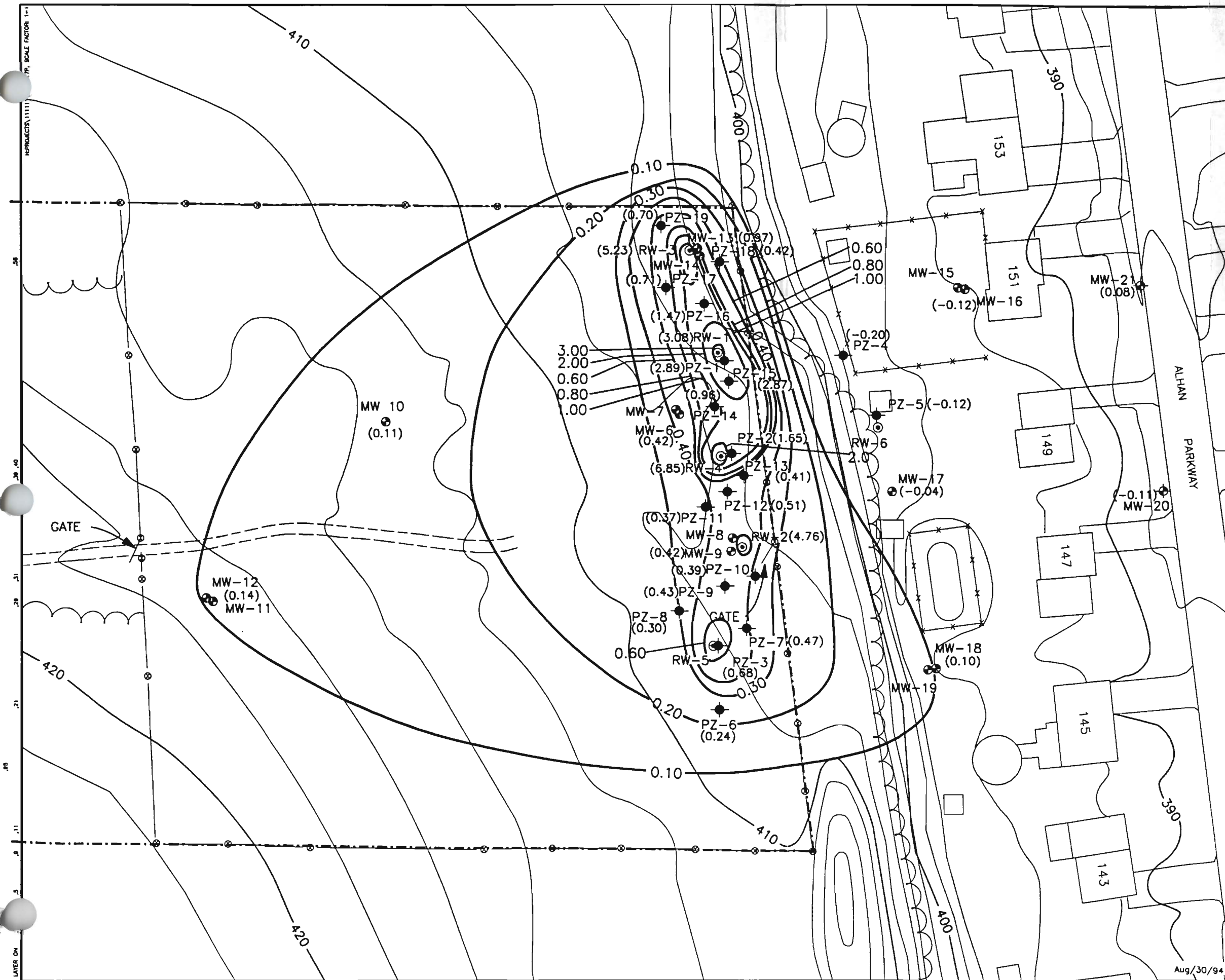
LEGEND

- TREE LINE
- ACCESS ROAD
- MAESTRI SITE PROPERTY BOUNDARY
- FENCE
- 8' HIGH SECURITY FENCE
- MONITORING WELLS
- RECOVERY WELL
- PIEZOMETER
- (0.37) DRAWDOWN FROM BASELINE (IN FEET)
- 0.75 DRAWDOWN CONTOUR (IN FEET)

NOTE:
DRAWDOWN CONTOUR INTERVAL VARIES.



APPROX. SCALE IN FEET
5618.003 - 06F

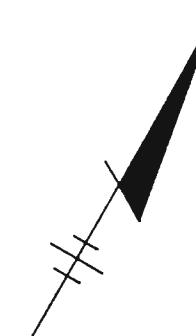


Aug/30/94

FIGURE 15

MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

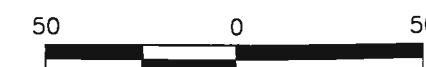
DAY 5
DRAWDOWN MAP
(7/16/94)



LEGEND

- TREE LINE
- ACCESS ROAD
- MAESTRI SITE PROPERTY BOUNDARY
- FENCE
- 8' HIGH SECURITY FENCE
- MONITORING WELLS
- RECOVERY WELL
- PIEZOMETER
- (0.17) DRAWDOWN FROM BASE LINE (IN FEET)
- 0.5 DRAWDOWN CONTOUR (IN FEET)

NOTE:
DRAWDOWN CONTOUR INTERVAL VARIES.



APPROX. SCALE IN FEET
5618.003-010F

O'BRIEN & GERE
ENGINEERS, INC.



MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

TREE LINE
 ACCESS ROAD
 MAESTRI SITE PROPERTY BOUNDARY
 FENCE
 8' HIGH SECURITY FENCE
 MONITORING WELLS
 RECOVERY WELL
 PIEZOMETER
 (0.69) DRAWDOWN FROM BASE LINE (IN FEET)
 0.5 DRAWDOWN CONTOUR (IN FEET)

5618.003-012F

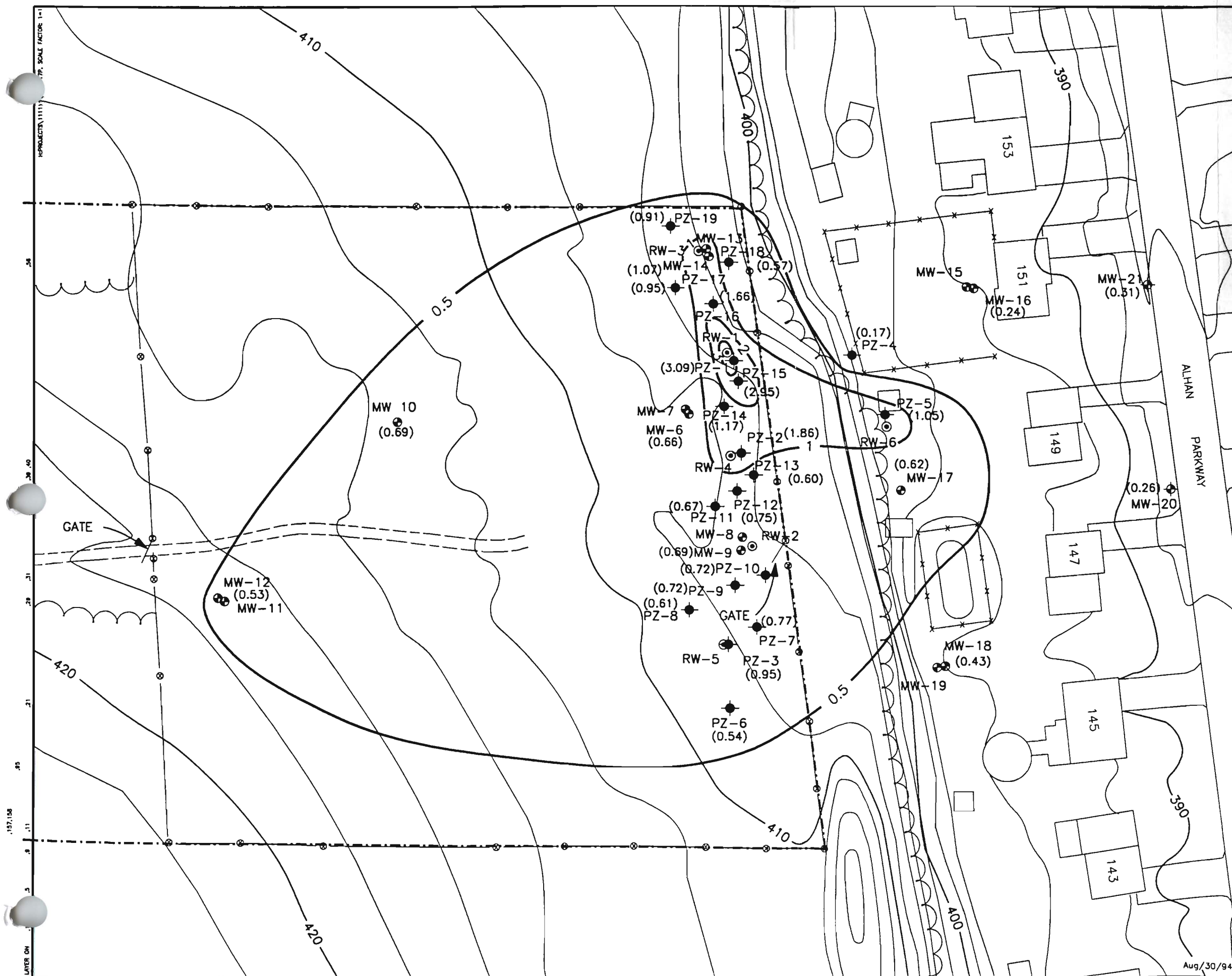
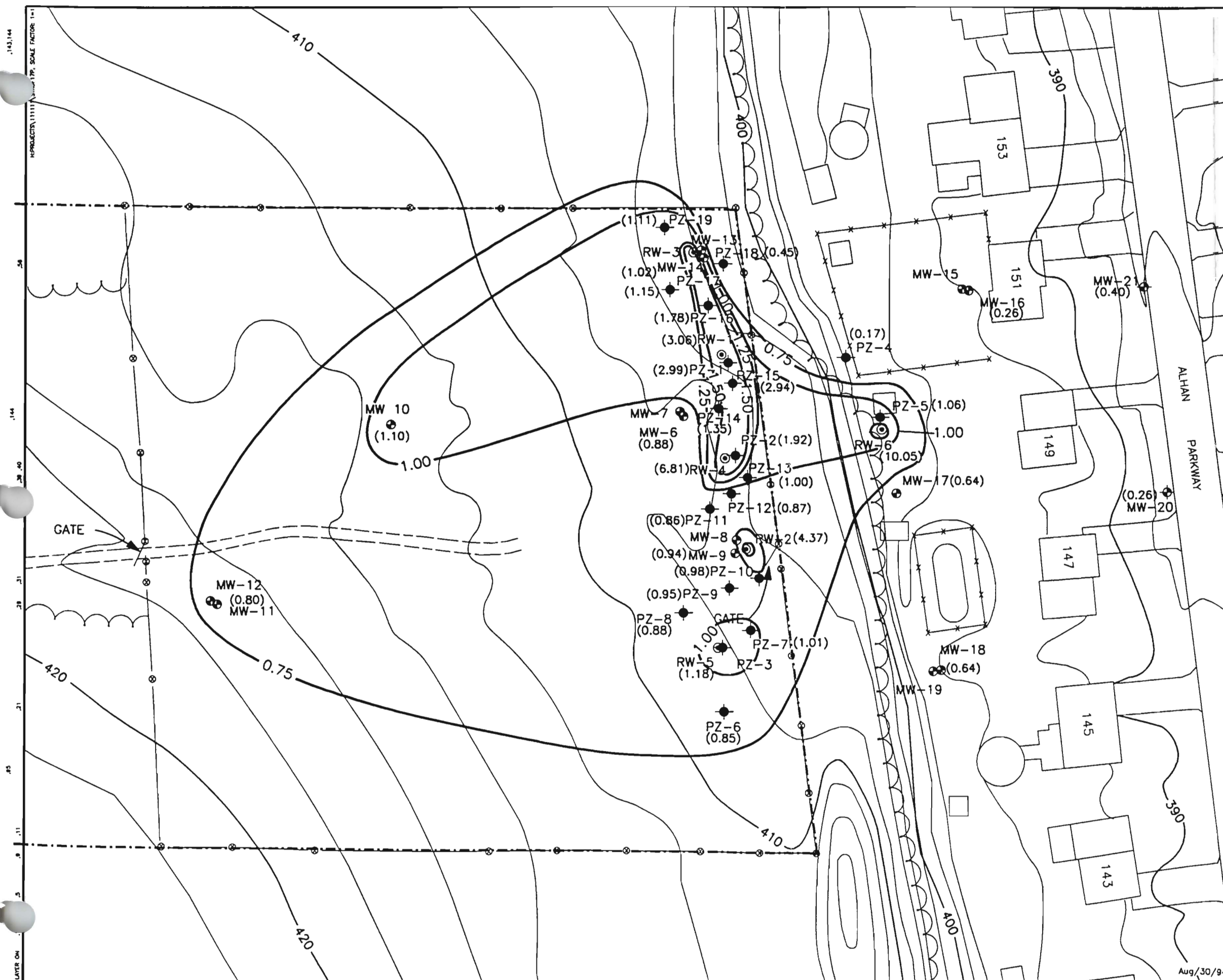


FIGURE 17

MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

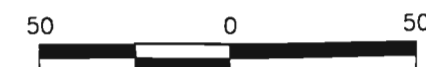
DAY 15 DRAWDOWN MAP
(7/26/94)



LEGEND

- TREE LINE
- ACCESS ROAD
- MAESTRI SITE PROPERTY BOUNDARY
- FENCE
- 8' HIGH SECURITY FENCE
- MONITORING WELLS
- RECOVERY WELL
- PIEZOMETER
- (0.87) DRAWDOWN FROM BASELINE (IN FEET)
- 0.75 DRAWDOWN CONTOUR (IN FEET)

NOTE:
DRAWDOWN CONTOUR INTERVAL VARIES.



APPROX. SCALE IN FEET

5618.003-04F

O'BRIEN & GERE
ENGINEERS, INC.

Aug/30/94

FIGURE 2

MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

CROSS SECTION
LOCATION MAP

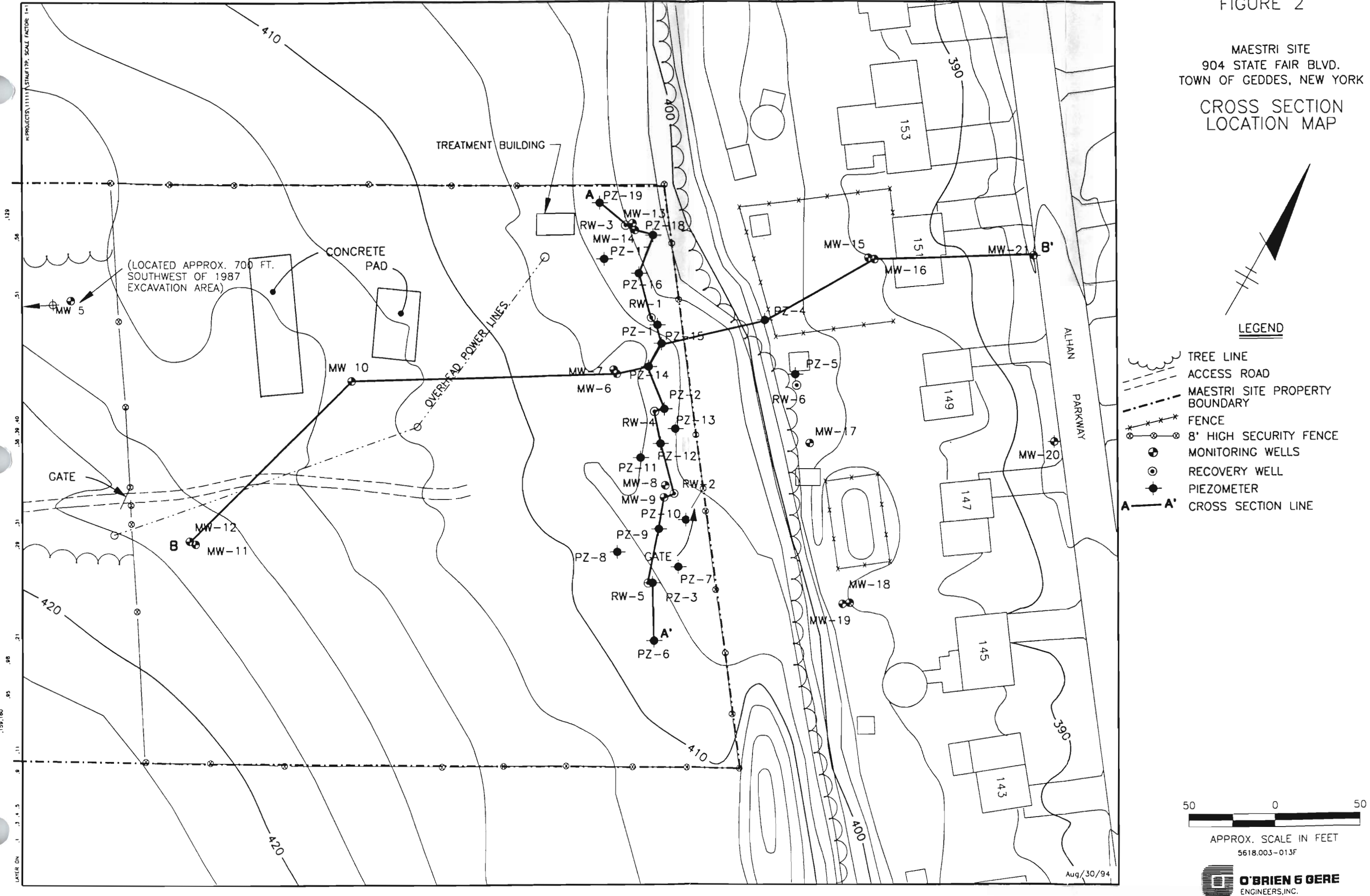
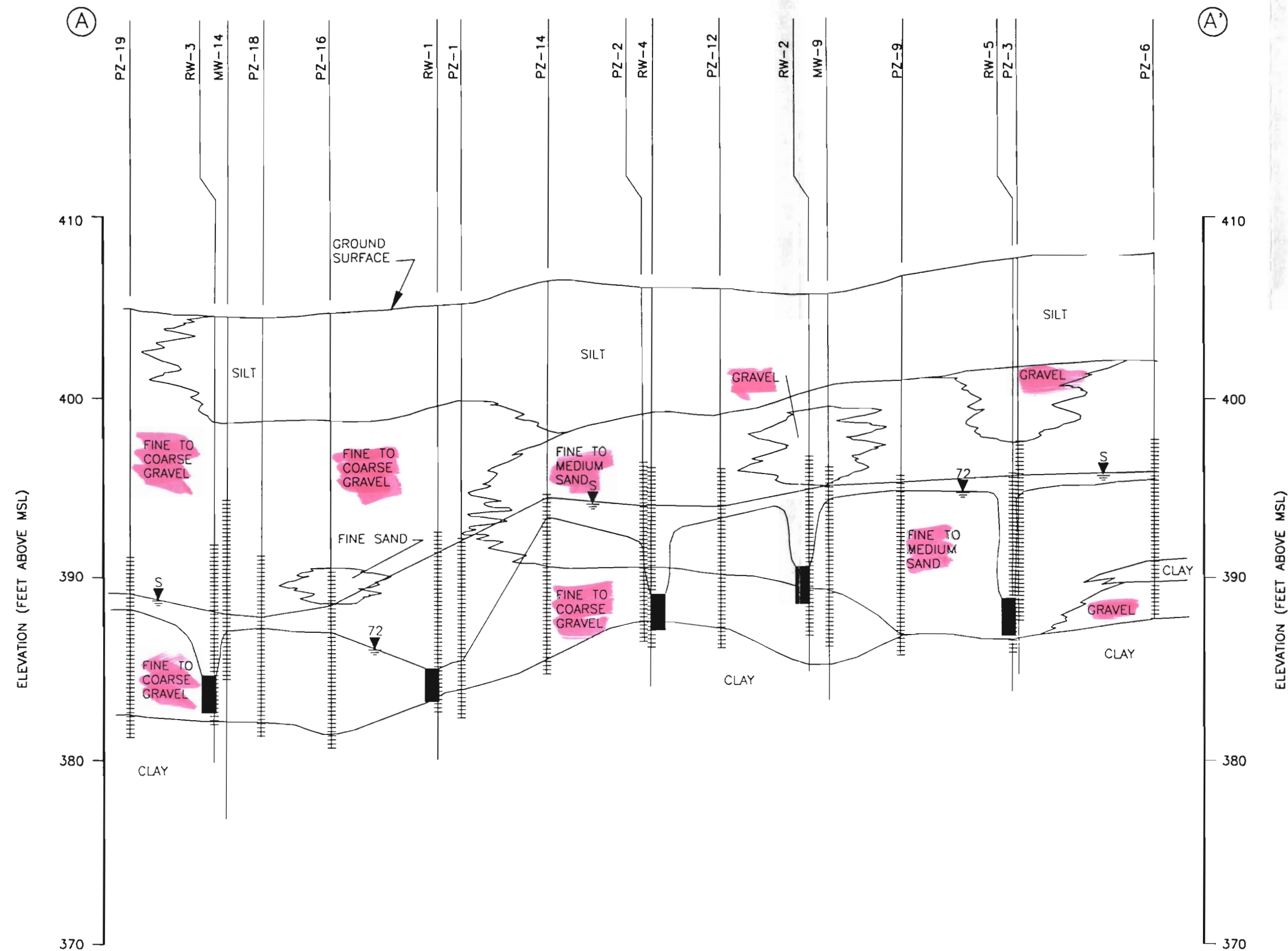


FIGURE 3

MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

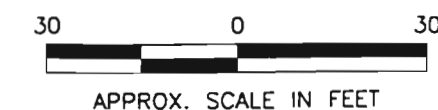


LEGEND

- WELL SCREEN INTERVAL
- STATIC GROUND WATER ELEVATION
- GROUND WATER ELEVATION (72 HOURS)
- HIGH AND LOW SET POINT ELEVATIONS

NOTE:
VERTICAL EXAGGERATION = 5X.

GEOLOGIC CROSS
SECTION A-A'



5618.003-14F

O'BRIEN & GERE
ENGINEERS, INC.

Aug/18/94

FIGURE 3
FOCUSED REMEDIAL INVESTIGATION
MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

SITE MAP
(ENLARGED)



LEGEND

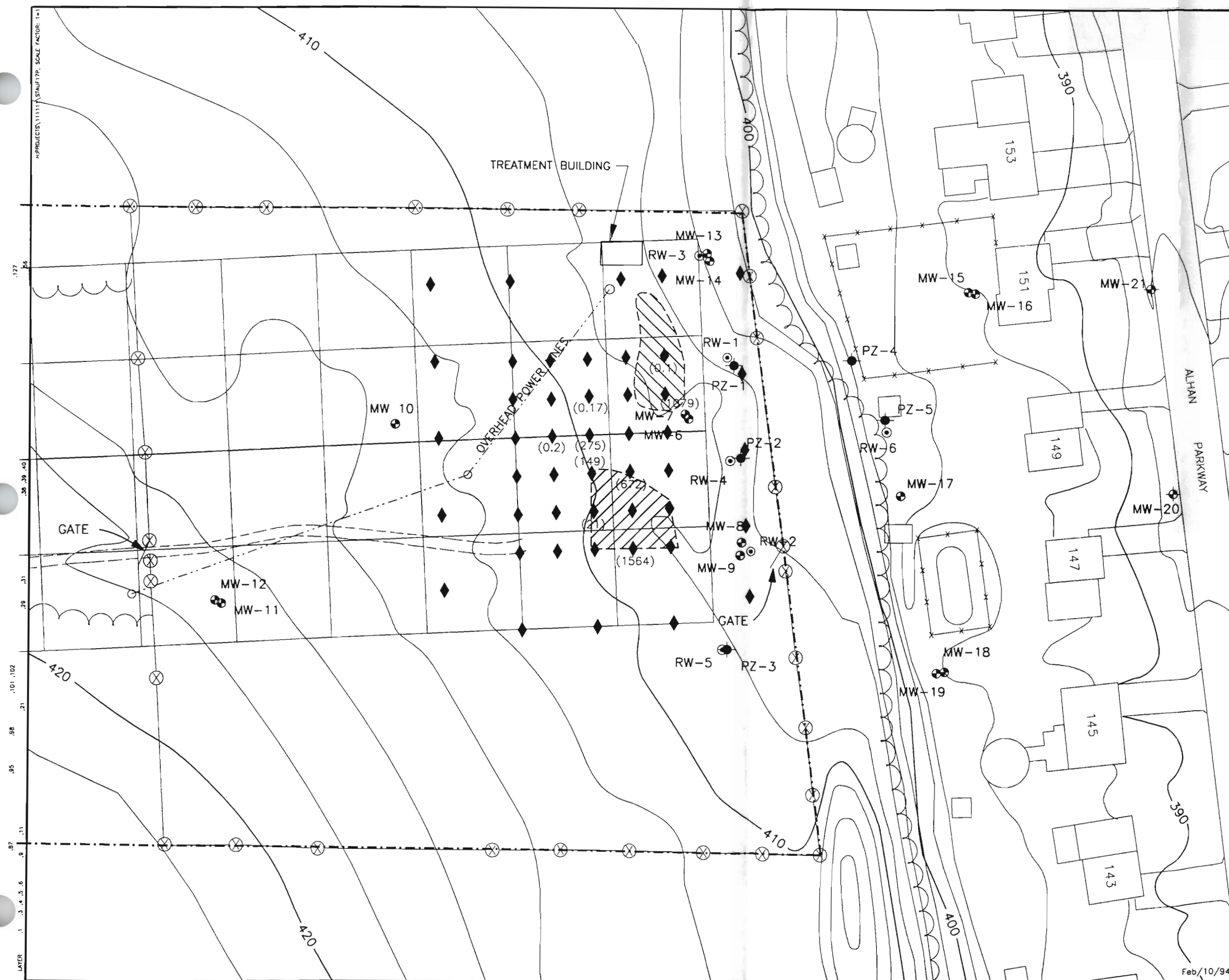
- TREE LINE
- ACCESS ROAD
- MAESTRI SITE PROPERTY BOUNDARY
- FENCE
- 8' HIGH SECURITY FENCE
- MONITORING WELLS
- RECOVERY WELL
- PIEZOMETER
- APPROXIMATE LIMITS OF 1987 EXCAVATION
- APPROXIMATE LIMITS OF 1990 EXCAVATION

50 0 50
SCALE IN FEET

5618.003.476

FIGURE 4

FOCUSED REMEDIAL INVESTIGATION
MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK
SOIL VAPOR SURVEY
LOCATION MAP
(JULY 1989)



LEGEND

- TREE LINE
- ACCESS ROAD
- MAESTRI SITE PROPERTY BOUNDARY
- FENCE
- 8' HIGH SECURITY FENCE
- SURVEY GRID LINES AND COORDINATES
- MONITORING WELLS
- RECOVERY WELL
- PIEZOMETER
- SOIL GAS PROBE LOCATION
- SOIL VAPOR CONCENTRATION OF XYLENE IN (ppm-v/v)
- APPROXIMATE LIMITS OF 1987 EXCAVATION
- APPROXIMATE LIMITS OF 1990 EXCAVATION

NOTE: RESULTS ARE NON-DETECTED UNLESS NOTED.

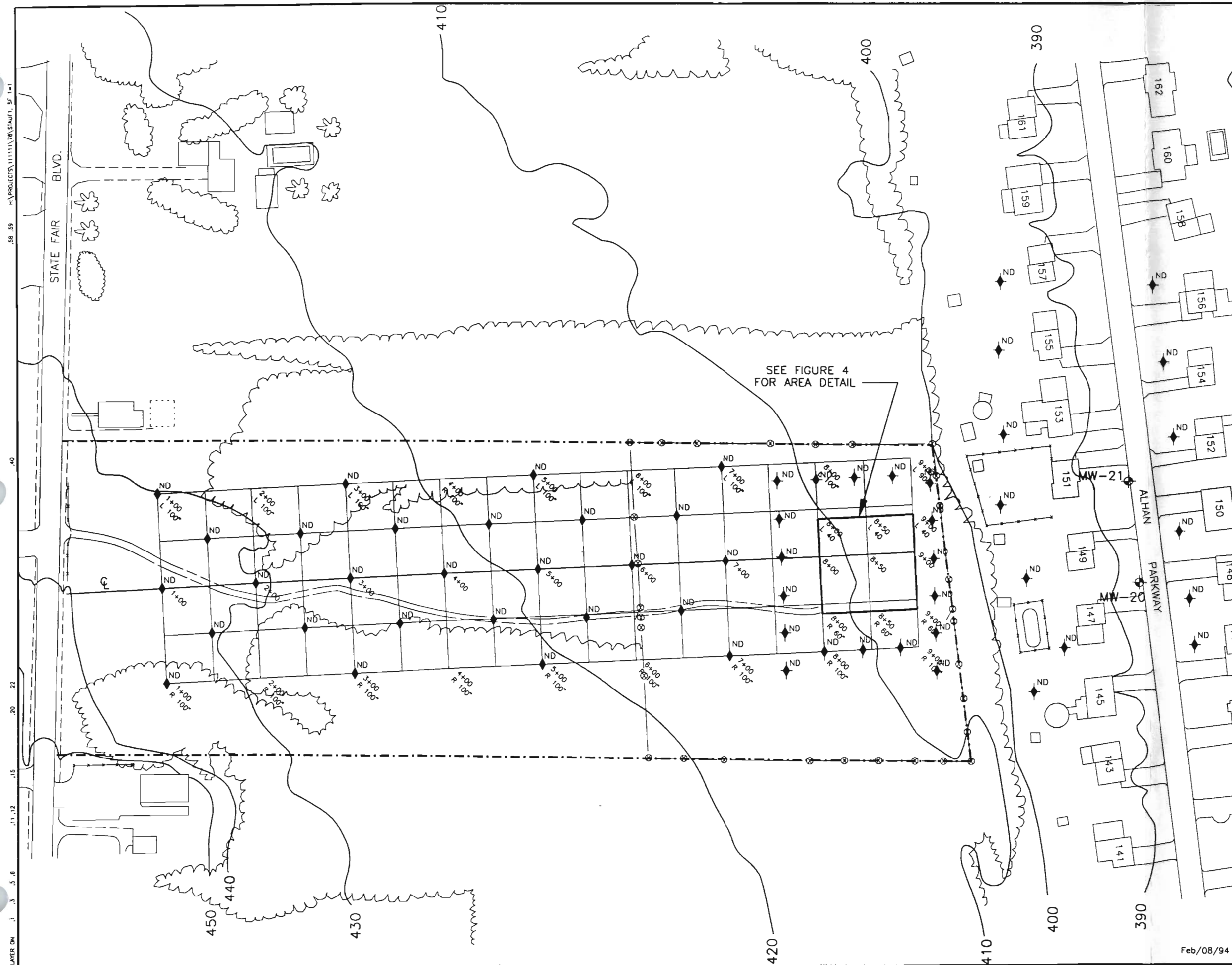


SCALE IN FEET

5618.003.476

FIGURE 5
FOCUSED REMEDIAL INVESTIGATION
MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

SOIL GAS PROBE LOCATIONS
AND RESULTS
(JULY 1989)



LEGEND

- MAESTRI SITE PROPERTY BOUNDARY
- ACCESS ROAD
- FENCE
- 8' HIGH SECURITY FENCE
- TREE LINE
- SURVEY GRID LINES AND COORDINATES
- SOIL GAS PROBE LOCATION HNU ANALYSIS
- SOIL GAS PROBE LOCATION G.C. ANALYSIS

0 100 200
SCALE IN FEET

5618.001.136

FIGURE 6

FOCUSED REMEDIAL INVESTIGATION
MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

SOIL BORING LOCATIONS AND
XYLENE CONCENTRATIONS
(AUGUST 1989)

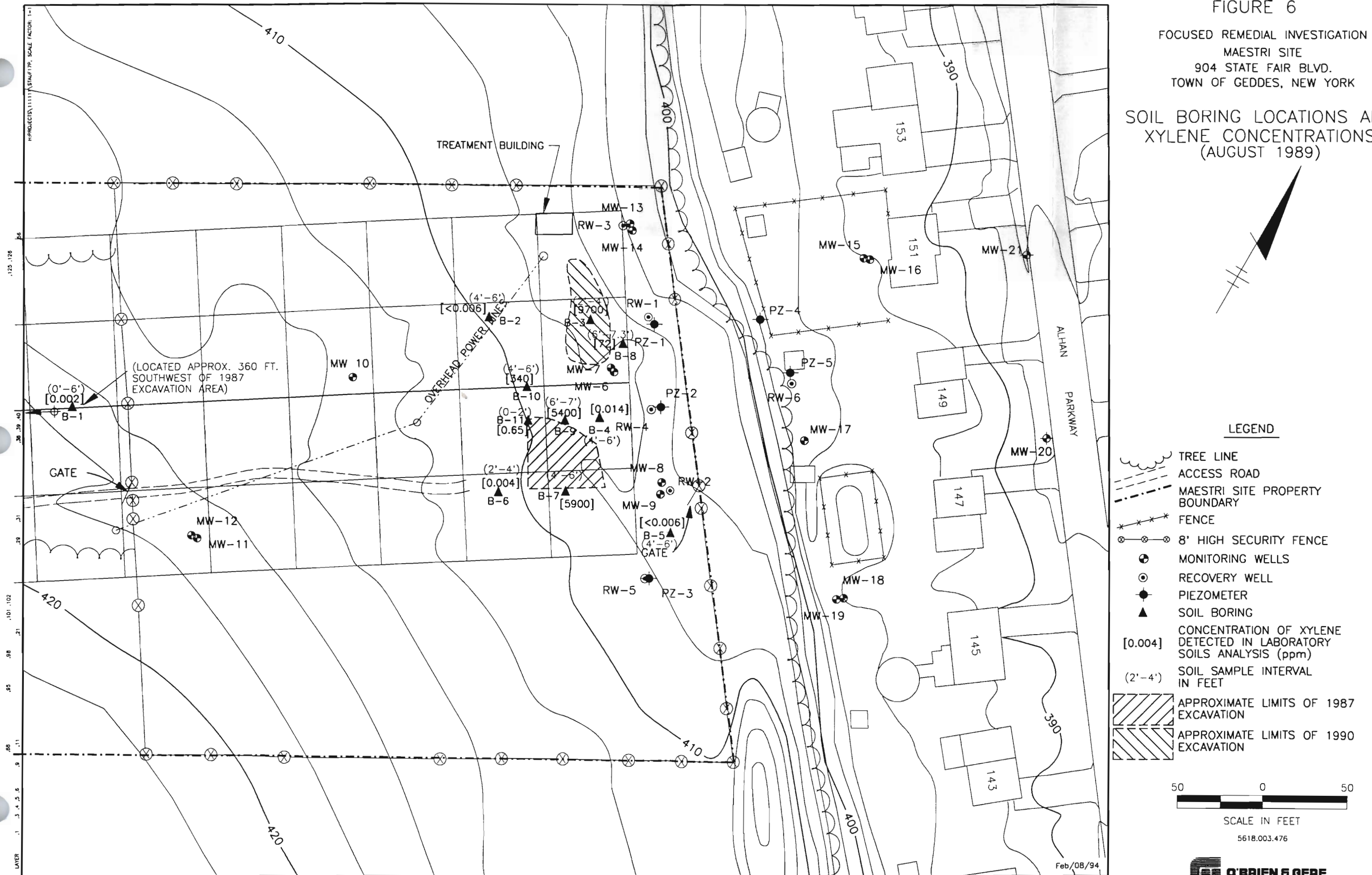


FIGURE 7

FOCUSED REMEDIAL INVESTIGATION
MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

PASSIVE SOIL GAS SURVEY
(DECEMBER 1992)

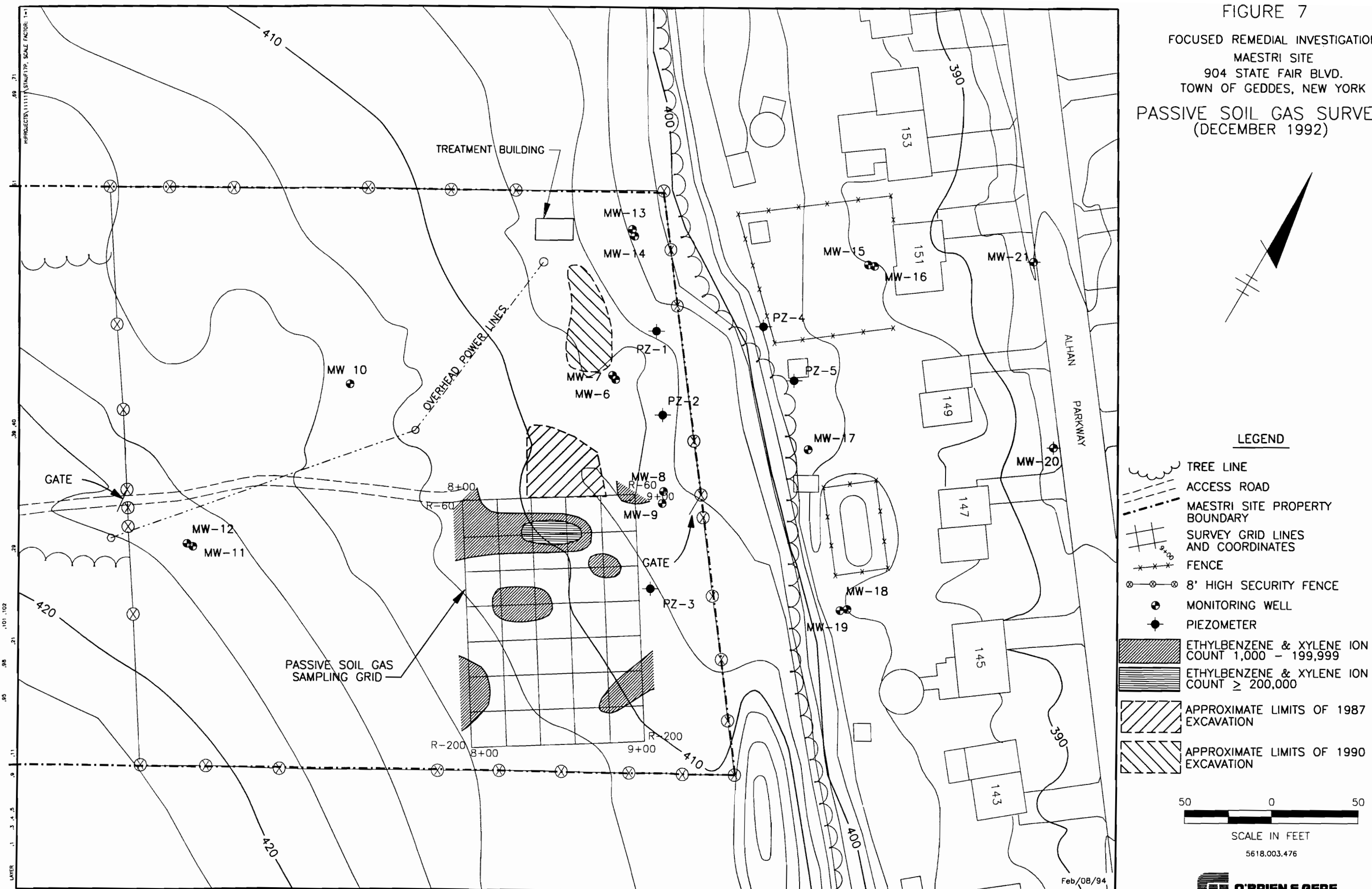


FIGURE 8

FOCUSED REMEDIAL INVESTIGATION

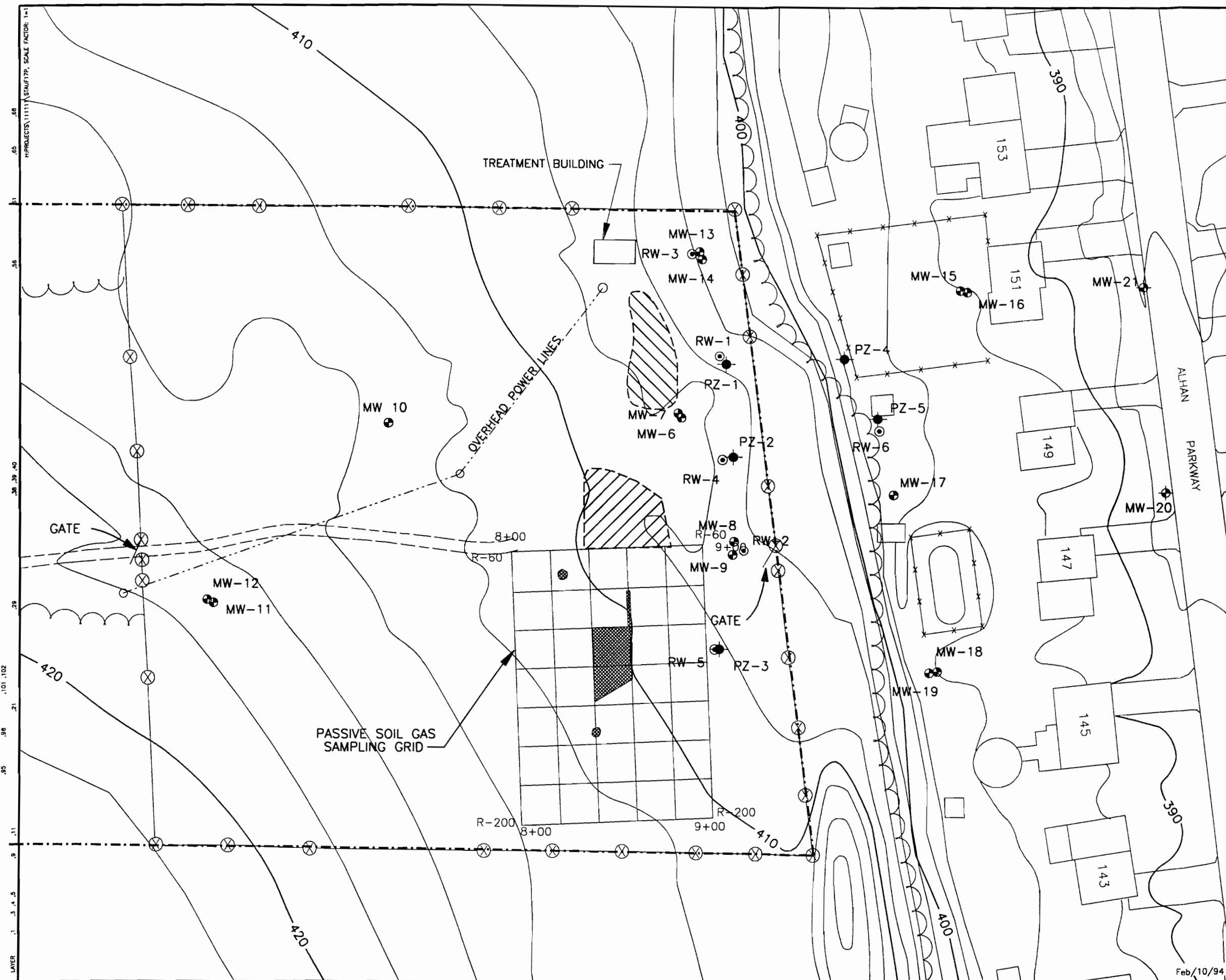
MAESTRI SITE

904 STATE FAIR BLVD.

TOWN OF GEDDES, NEW YORK

ELECTROMAGNETIC ANOMALY
LOCATIONS

(JANUARY 1993)



LEGEND

- TREE LINE
- ACCESS ROAD
- MAESTRI SITE PROPERTY BOUNDARY
- SURVEY GRID LINES AND COORDINATES
- FENCE
- 8' HIGH SECURITY FENCE
- MONITORING WELLS
- RECOVERY WELL
- PIEZOMETER
- ELECTROMAGNETIC ANOMALY
- APPROXIMATE LIMITS OF 1987 EXCAVATION
- APPROXIMATE LIMITS OF 1990 EXCAVATION

50 0 50

SCALE IN FEET

5618.003.476

O'BRIEN & GERE
ENGINEERS, INC.

FIGURE 9
 FOCUSED REMEDIAL INVESTIGATION
 MAESTRI SITE
 904 STATE FAIR BLVD.
 TOWN OF GEDDES, NEW YORK
 EM SURVEY
 (JUNE 22, 1993)

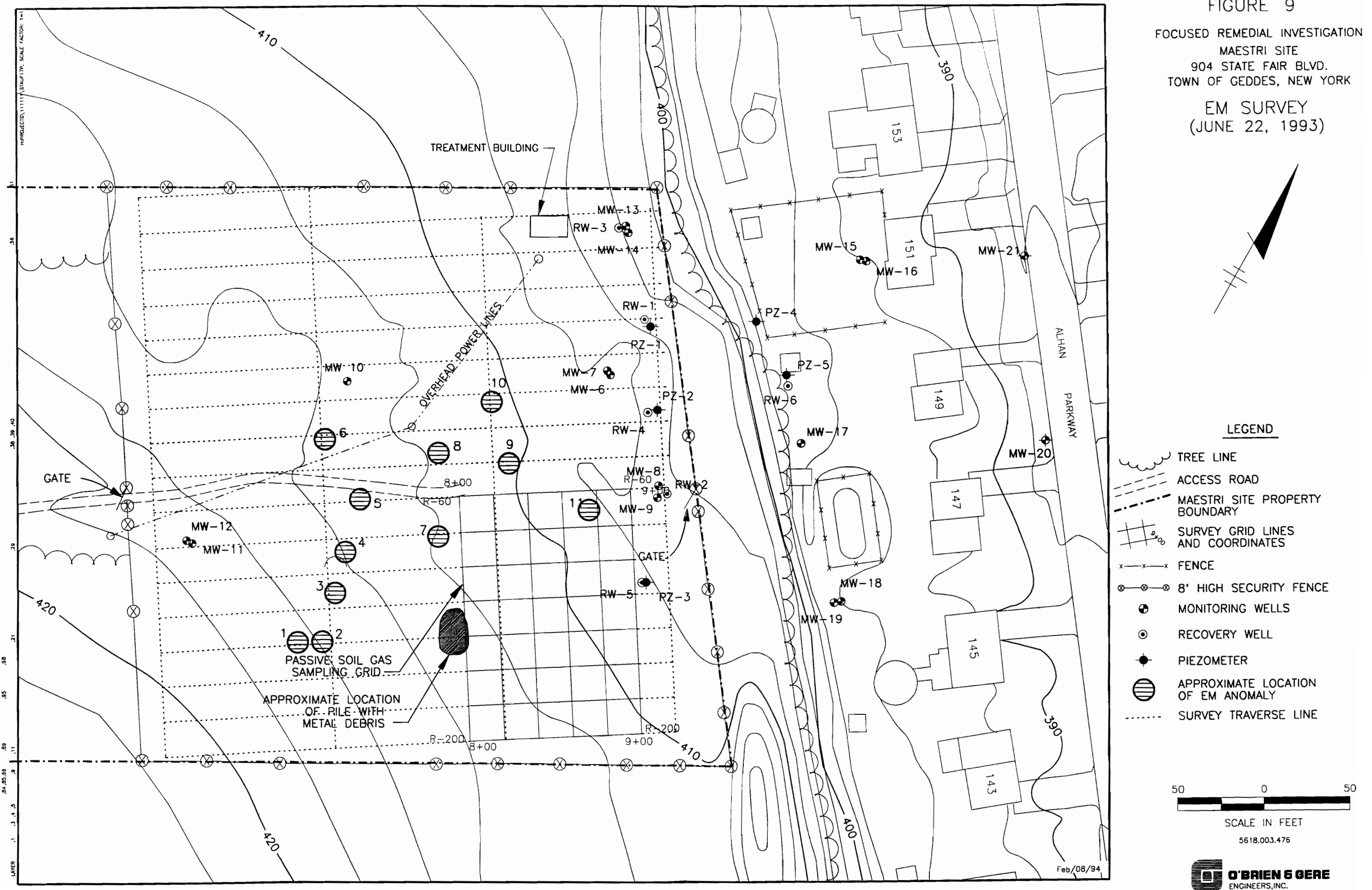


FIGURE 10
 FOCUSED REMEDIAL INVESTIGATION
 MAESTRI SITE
 904 STATE FAIR BLVD.
 TOWN OF GEDDES, NEW YORK
 TEST PIT LOCATIONS
 (APRIL 1993)

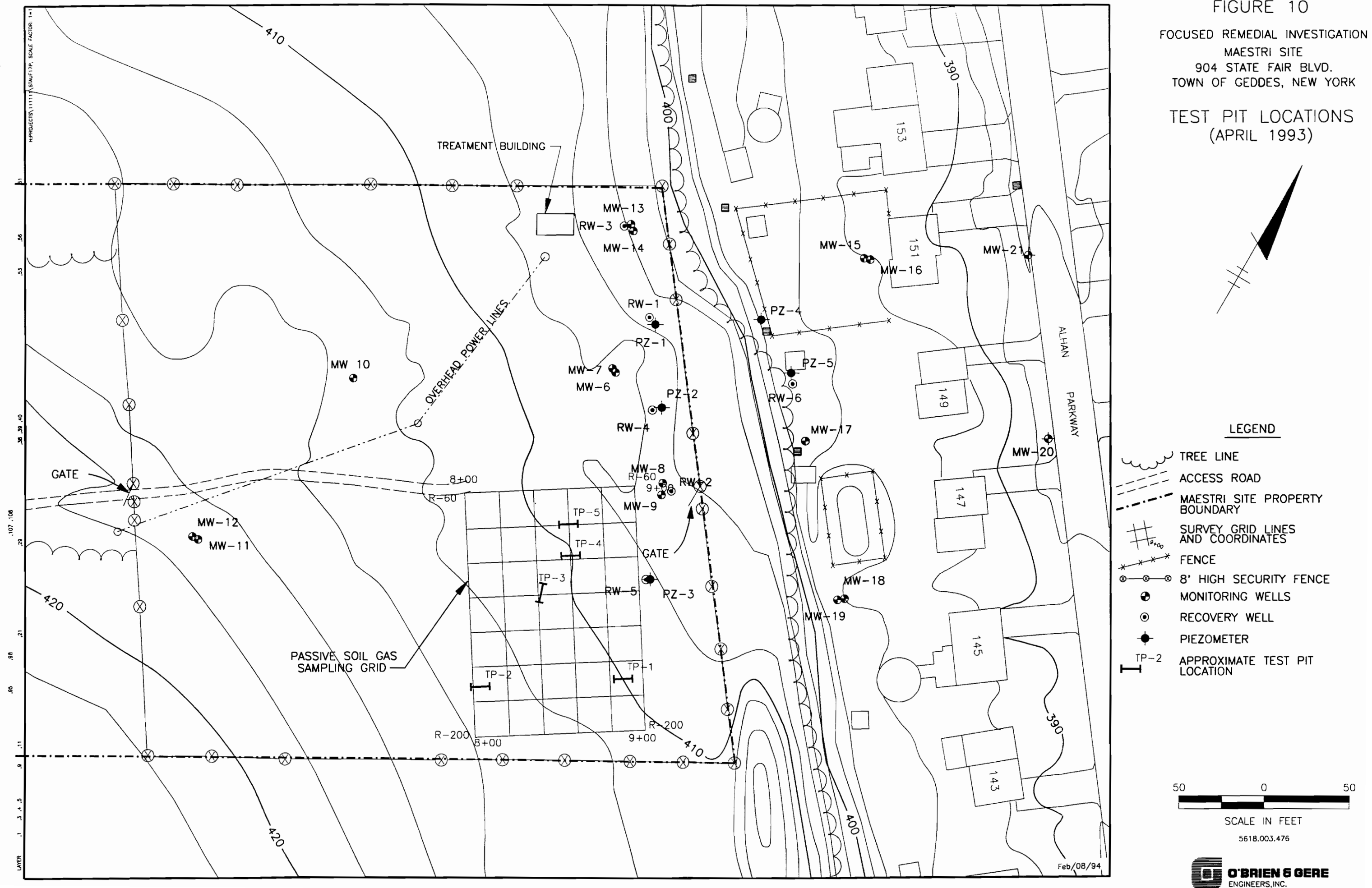


FIGURE 11

FOCUSED REMEDIAL INVESTIGATION
MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

TEST PIT LOCATIONS
(JULY, 1993)

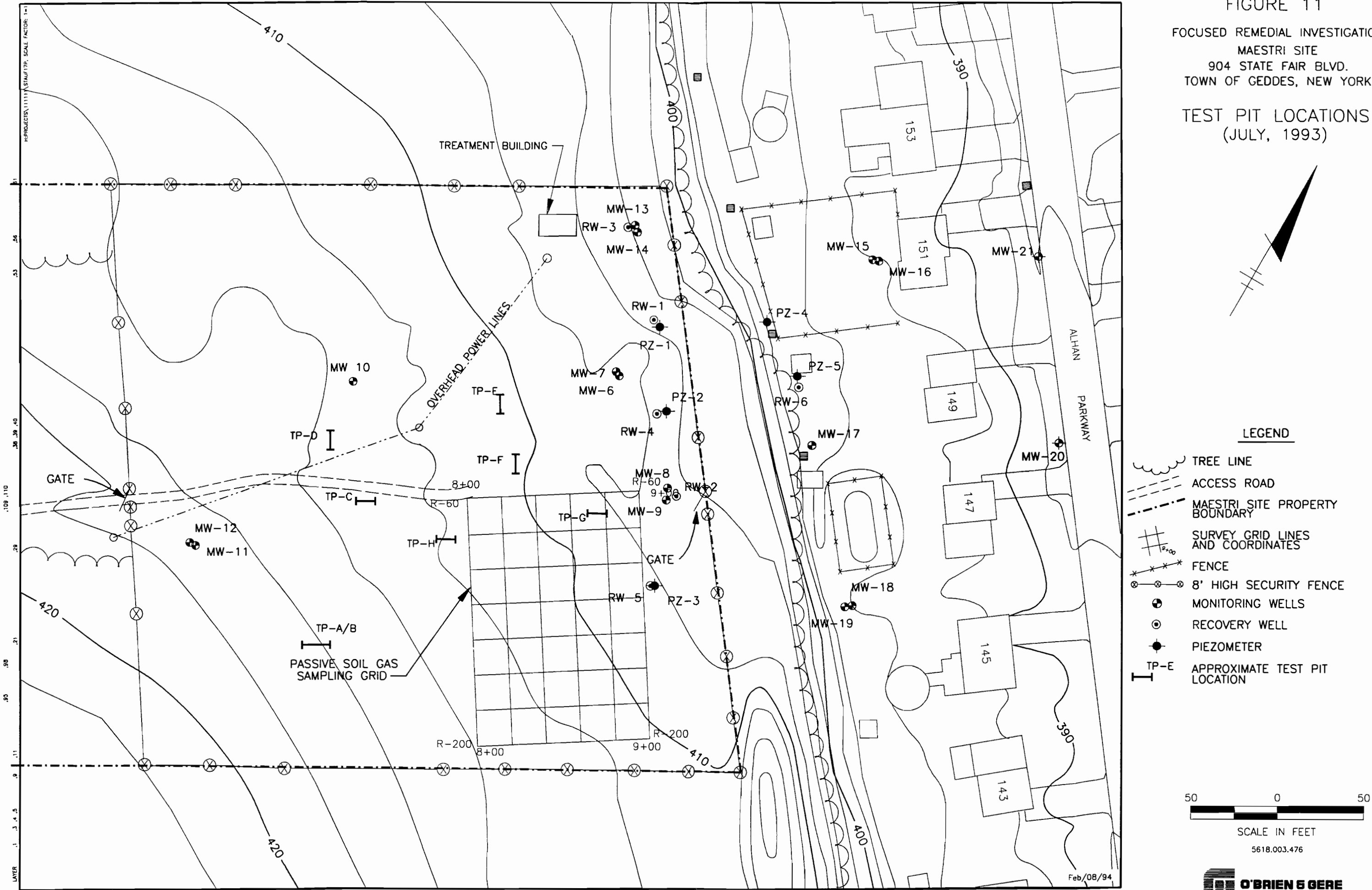


FIGURE 12

FOCUSED REMEDIAL INVESTIGATION

MAESTRI SITE

904 STATE FAIR BLVD.

TOWN OF GEDDES, NEW YORK

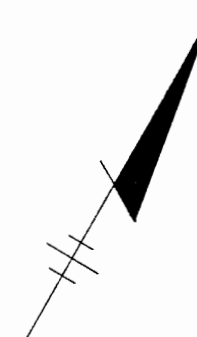
SOIL BORING
LOCATION MAP
(SEPTEMBER 1993)



FIGURE 13

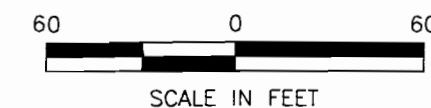
FOCUSED REMEDIAL INVESTIGATION
MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

GROUND WATER SCREENING
SAMPLE LOCATION MAP
(MARCH to MAY 1993)



LEGEND

- TREE LINE
- ACCESS ROAD
- MAESTRI SITE PROPERTY BOUNDARY
- FENCE
- 8' HIGH SECURITY FENCE
- MONITORING WELL
- RECOVERY WELL
- PIEZOMETER
- GROUND WATER SAMPLING POINT
- CATCH BASIN
- STORM SEWER LOCATION



5618.001.070

O'BRIEN & GERE
ENGINEERS, INC.

Feb/09/94

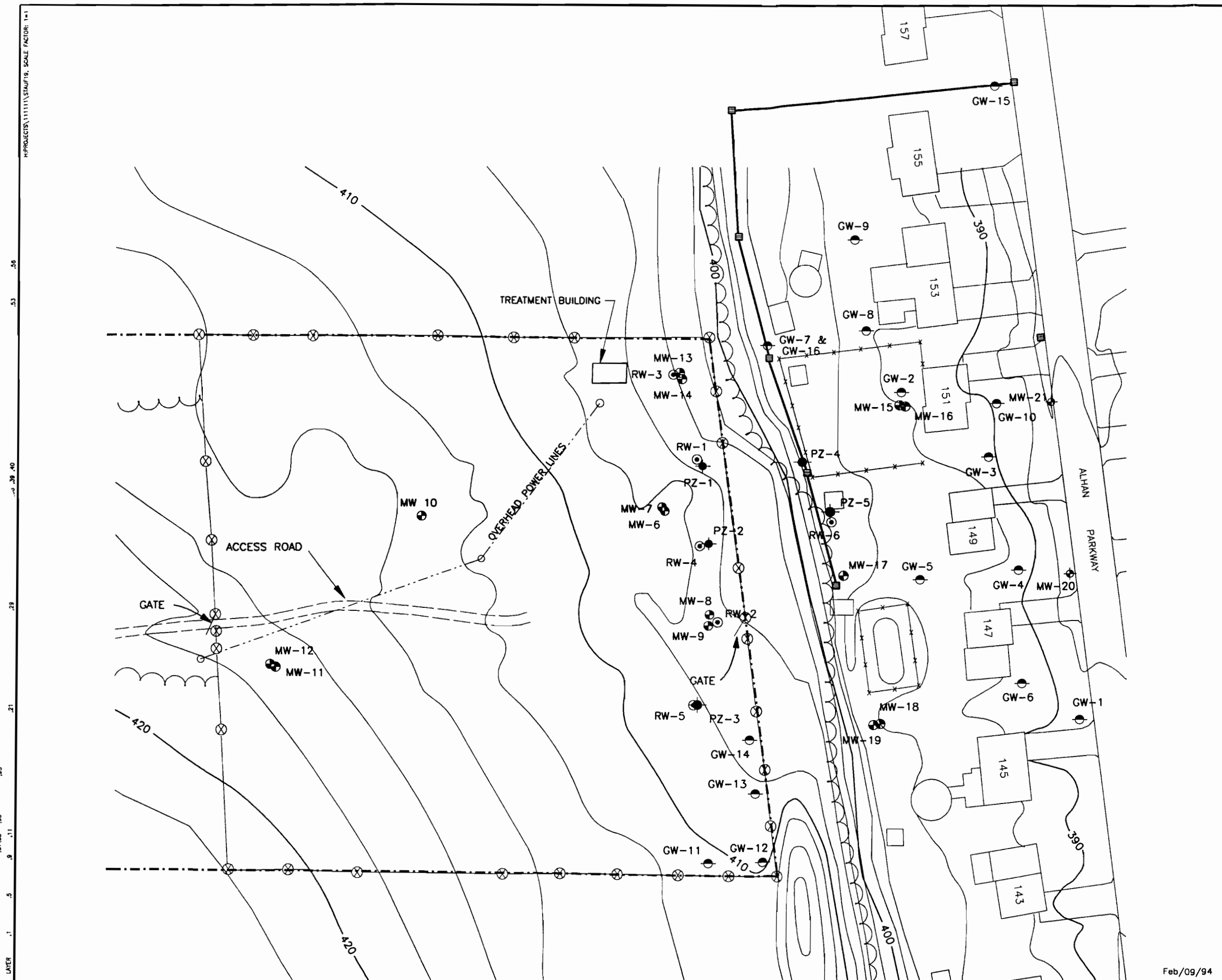


FIGURE 14
FOCUSED REMEDIAL INVESTIGATION
MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

CROSS SECTION
LOCATION MAP

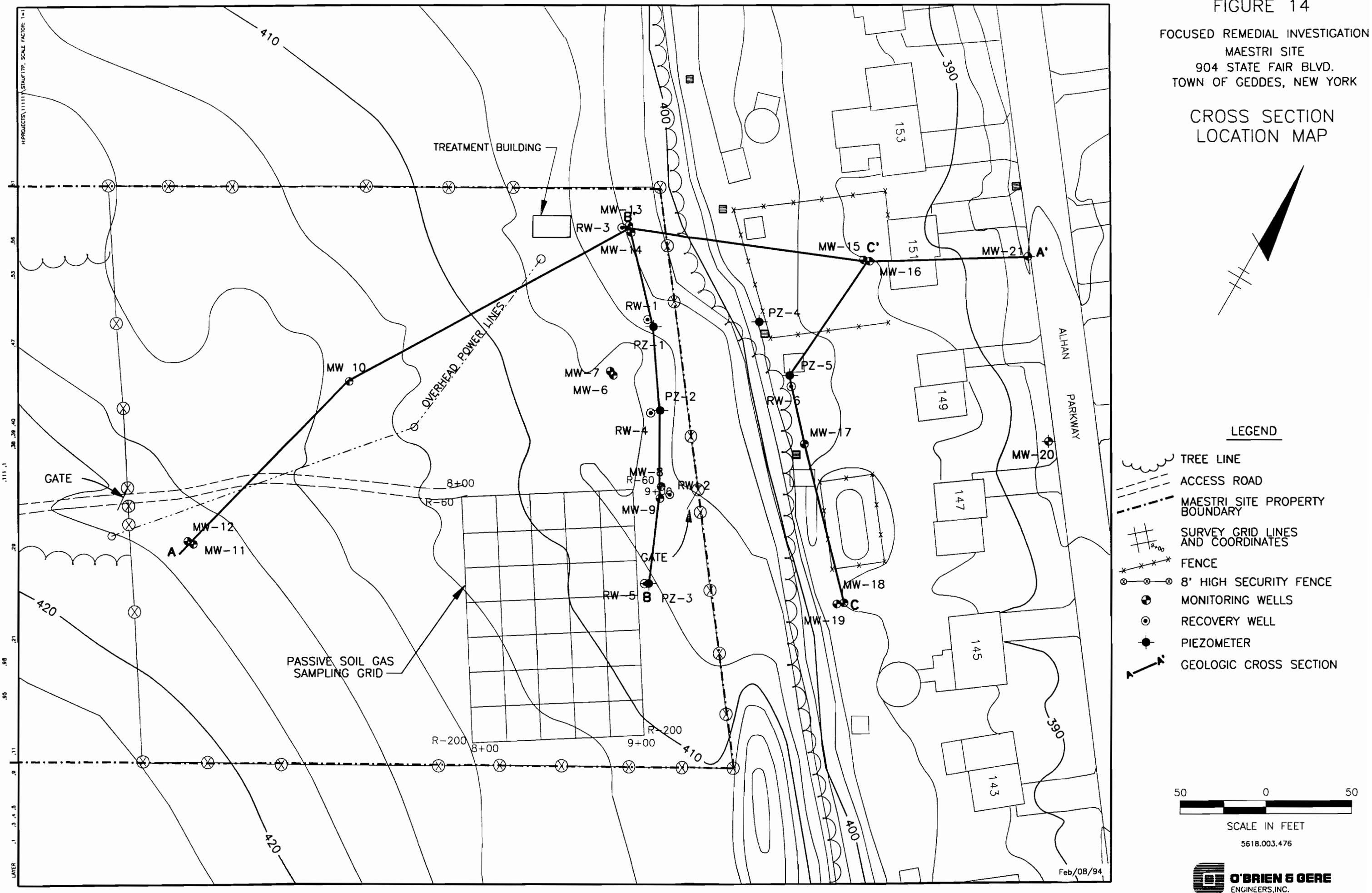


FIGURE 15

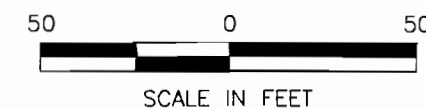
FOCUSED REMEDIAL INVESTIGATION
MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

HYDROGEOLOGIC
CROSS SECTION A-A'

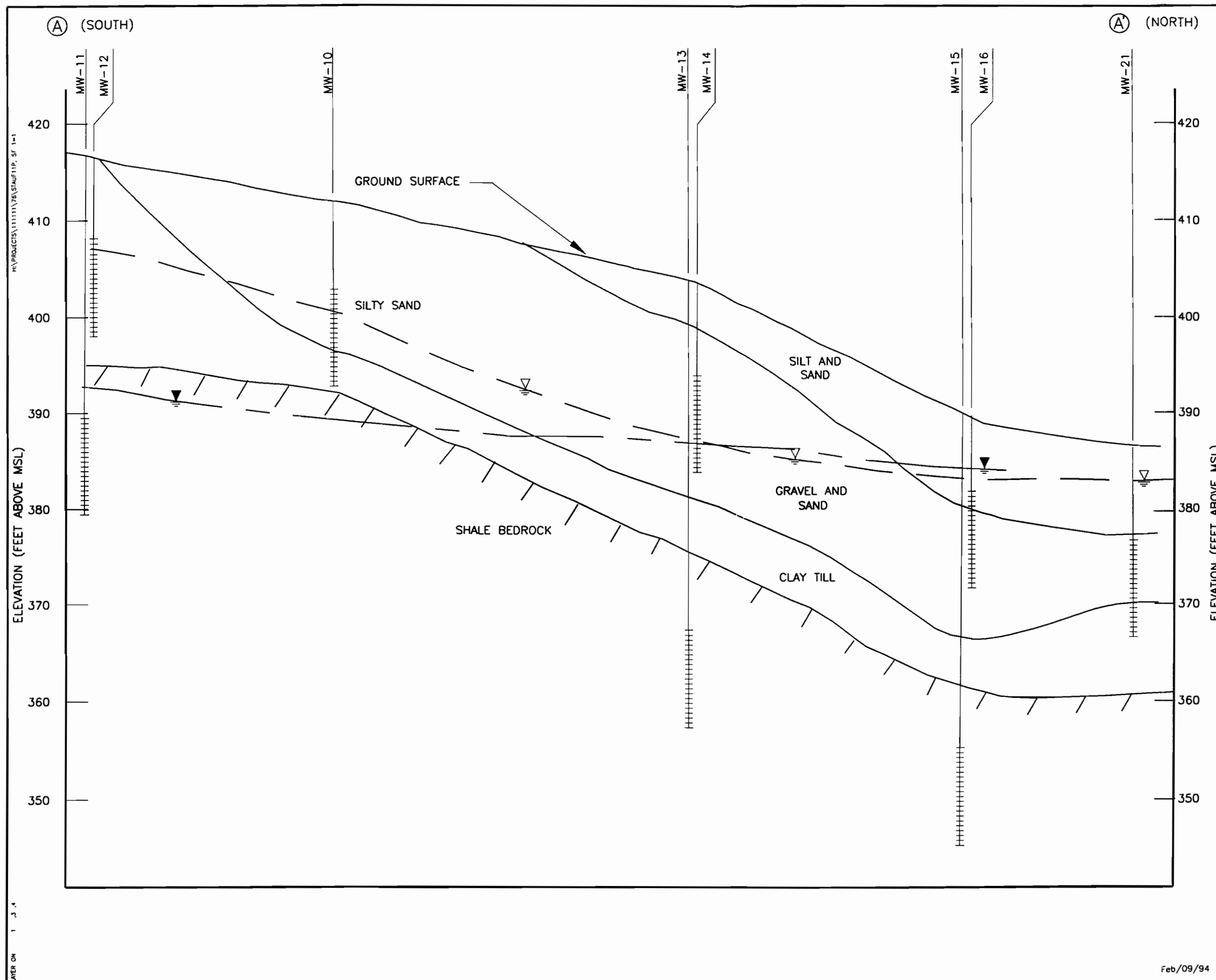
LEGEND

- WATER TABLE IN OVERBURDEN (6/23/93)
- POTENTIOMETRIC SURFACE IN BEDROCK (6/23/93)
- MONITORING WELL OR PIEZOMETER LOCATION

NOTE: VERTICAL EXAGGERATION IS 5X



3213.004.176



Feb/09/94

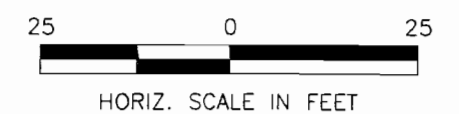
FIGURE 16
FOCUSED REMEDIAL INVESTIGATION
MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

HYDROGEOLOGIC
CROSS SECTION B-B'

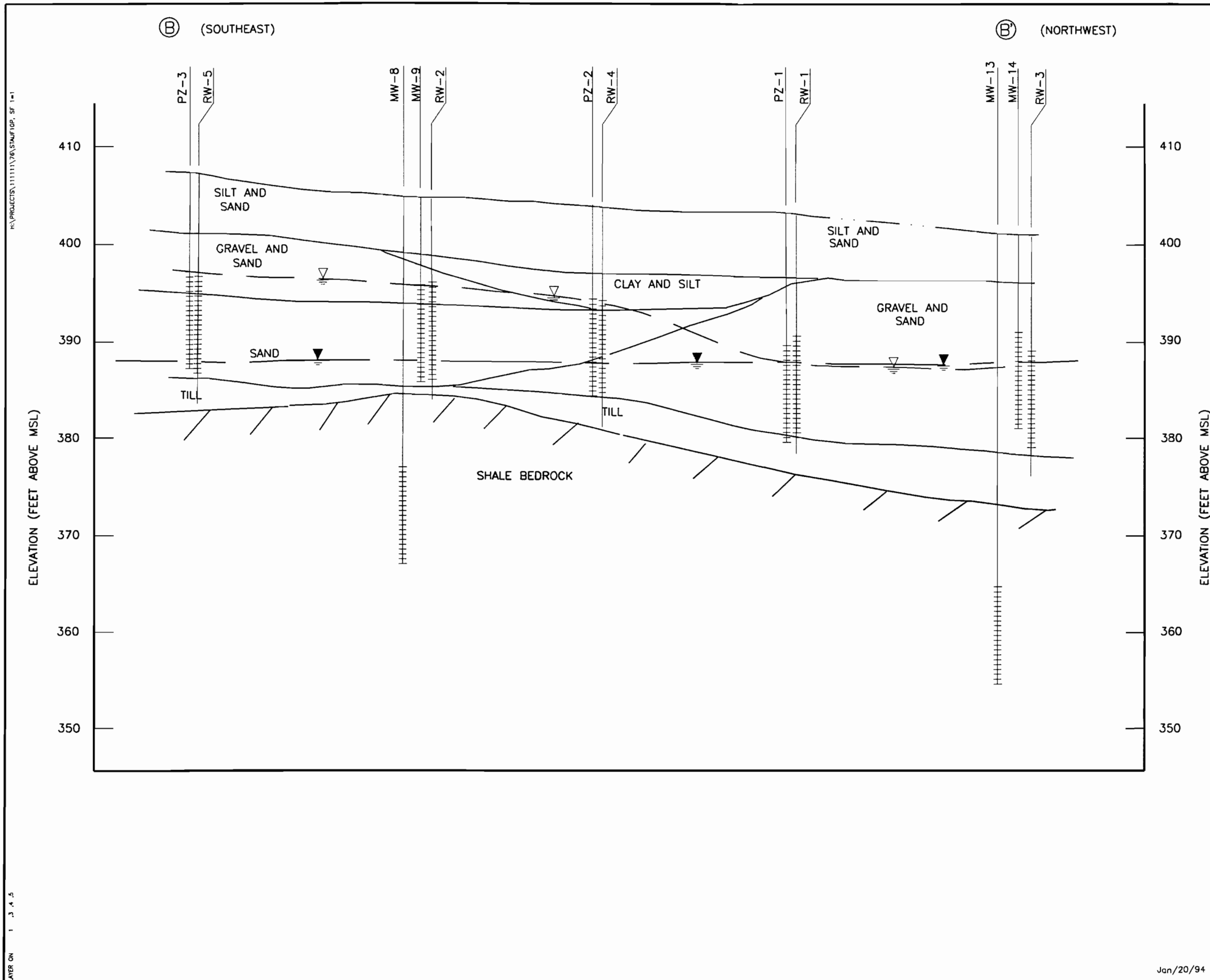
LEGEND

-  WATER TABLE IN OVERBURDEN (6/23/93)
-  POTENTIOMETRIC SURFACE IN BEDROCK (6/23/93)
-  MONITORING WELL OR PIEZOMETER LOCATION

NOTE: VERTICAL EXAGGERATION IS 2.5X



5618.001.136



Jan/20/94

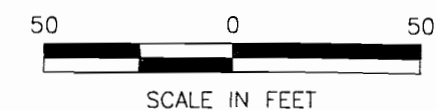
FIGURE 17
 FOCUSED REMEDIAL INVESTIGATION
 MAESTRI SITE
 904 STATE FAIR BLVD.
 TOWN OF GEDDES, NEW YORK

HYDROGEOLOGIC
 CROSS SECTION C-C'

LEGEND

-  WATER TABLE IN OVERBURDEN (6/23/93)
-  POTENTIOMETRIC SURFACE IN BEDROCK (6/23/93)
-  MONITORING WELL OR PIEZOMETER LOCATION

NOTE: VERTICAL EXAGGERATION IS 5X



5618.001.136

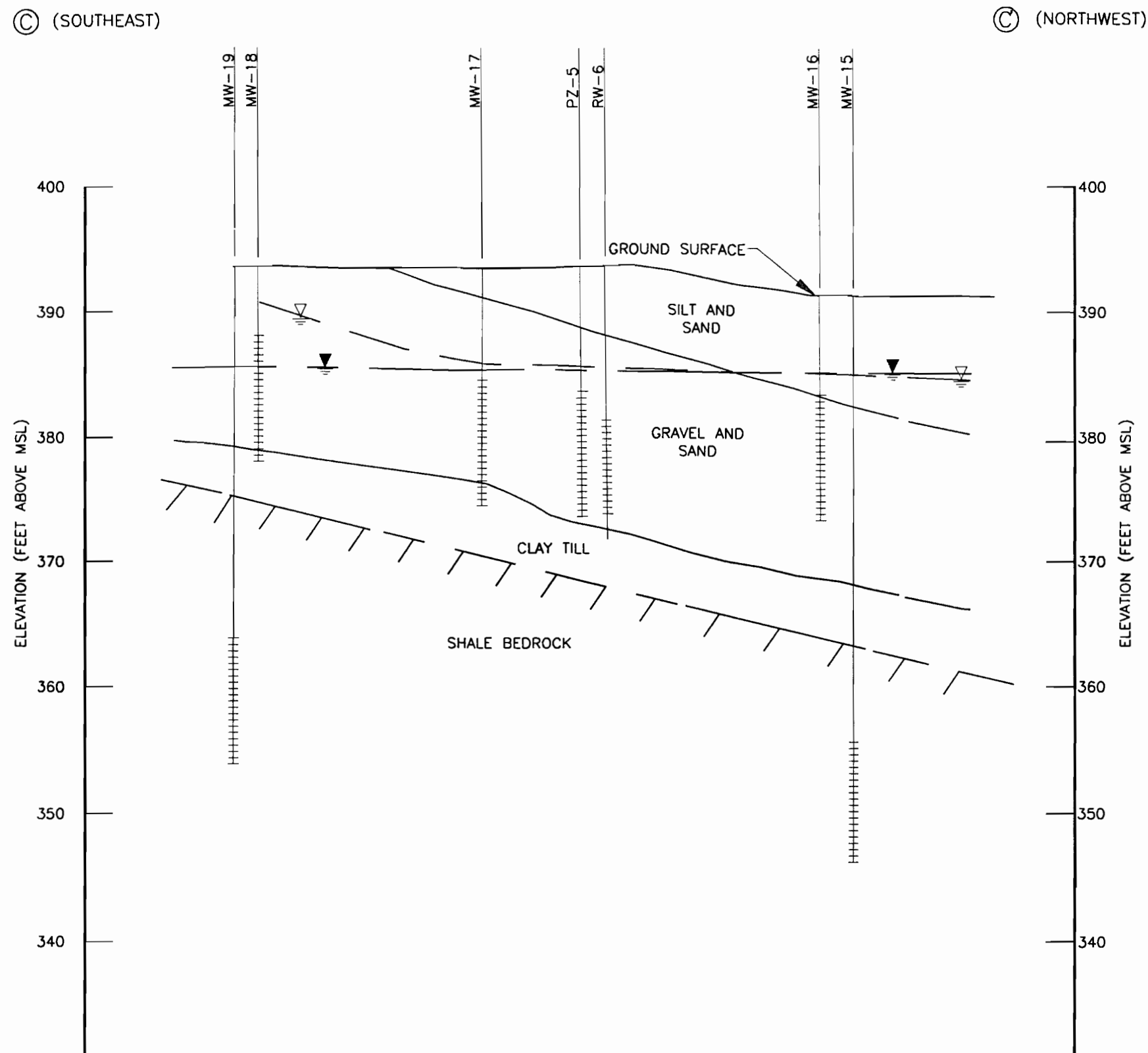
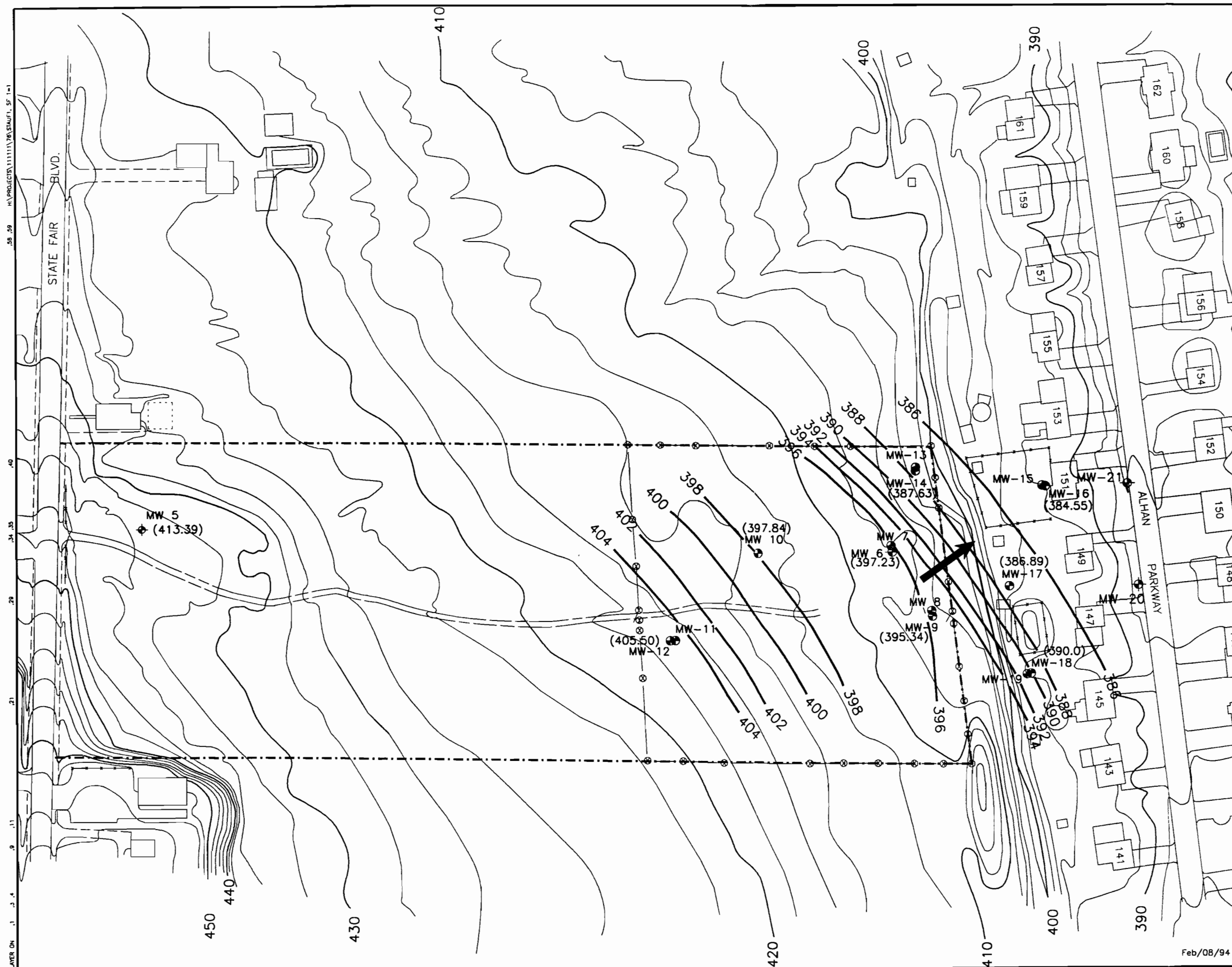


FIGURE 18
 FOCUSED REMEDIAL INVESTIGATION
 MAESTRI SITE
 904 STATE FAIR BLVD.
 TOWN OF GEDDES, NEW YORK

GROUND WATER
 ELEVATION MAP
 SHALLOW GROUND WATER
 (AUGUST 21, 1990)



- LEGEND**
- x x x FENCE
 - ⊗ ⊗ ⊗ 8' HIGH SECURITY FENCE
 - ACCESS ROAD
 - - - MAESTRI SITE PROPERTY BOUNDARY
 - MW 17 MONITORING WELL LOCATION
 - ➔ FLOW DIRECTION
 - 396 SHALLOW GROUND WATER CONTOUR
 - MW 10 MONITORING WELL

0 100 200
 SCALE IN FEET
 5618.001.136

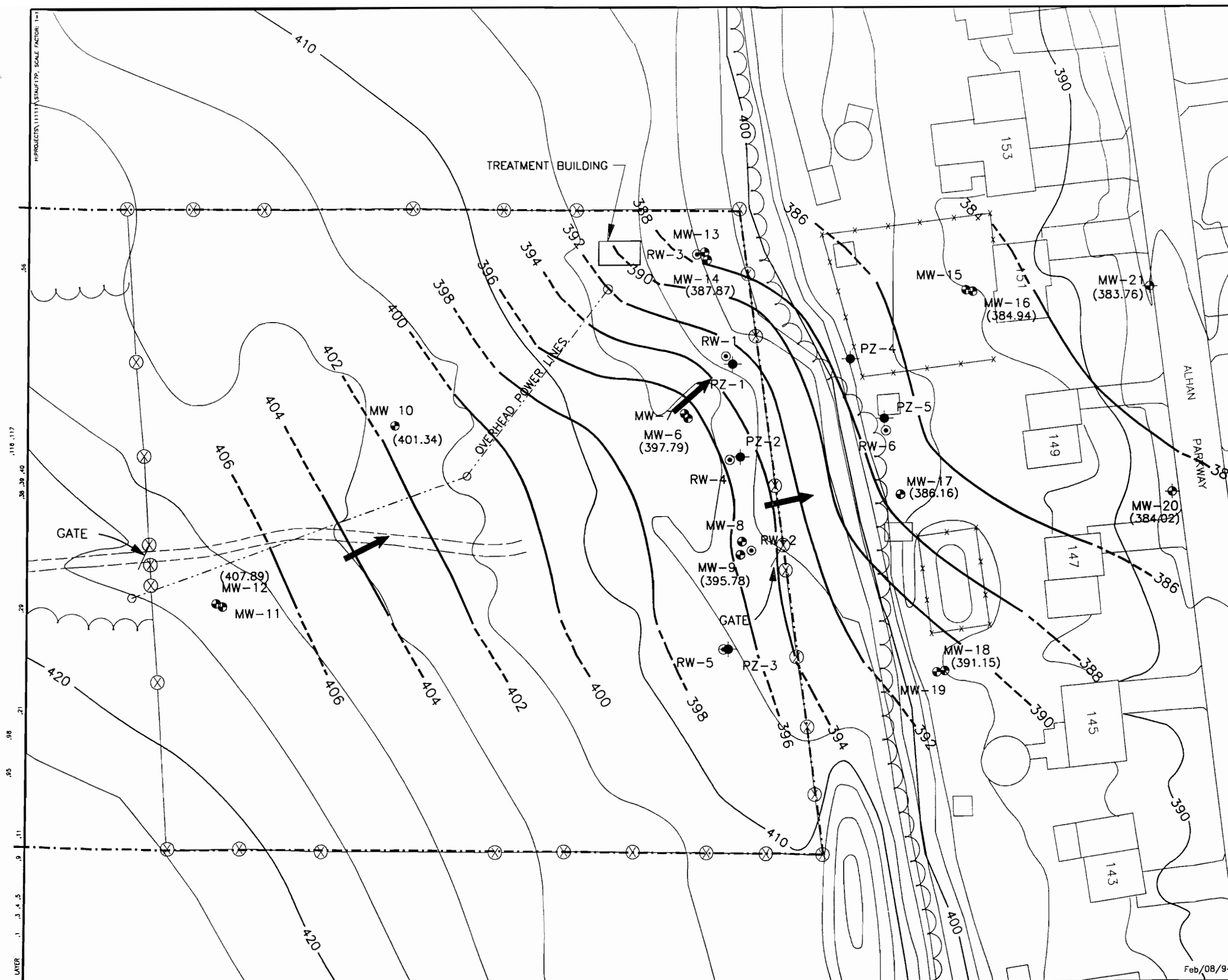
O'BRIEN & GERE
 ENGINEERS, INC.

Feb/08/94

FIGURE 19

FOCUSED REMEDIAL INVESTIGATION
MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

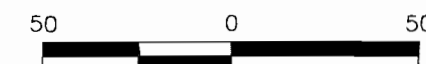
GROUND WATER ELEVATION MAP
SHALLOW GROUND WATER
(JUNE 28, 1993)



LEGEND

- TREE LINE
- - - ACCESS ROAD
- - - MAESTRI SITE PROPERTY BOUNDARY
- FENCE
- ⊗ 8' HIGH SECURITY FENCE
- MONITORING WELLS
- ⊙ RECOVERY WELL
- PIEZOMETER
- (384.02) GROUND WATER ELEVATION
- - - GROUND WATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- GROUND WATER FLOW DIRECTION

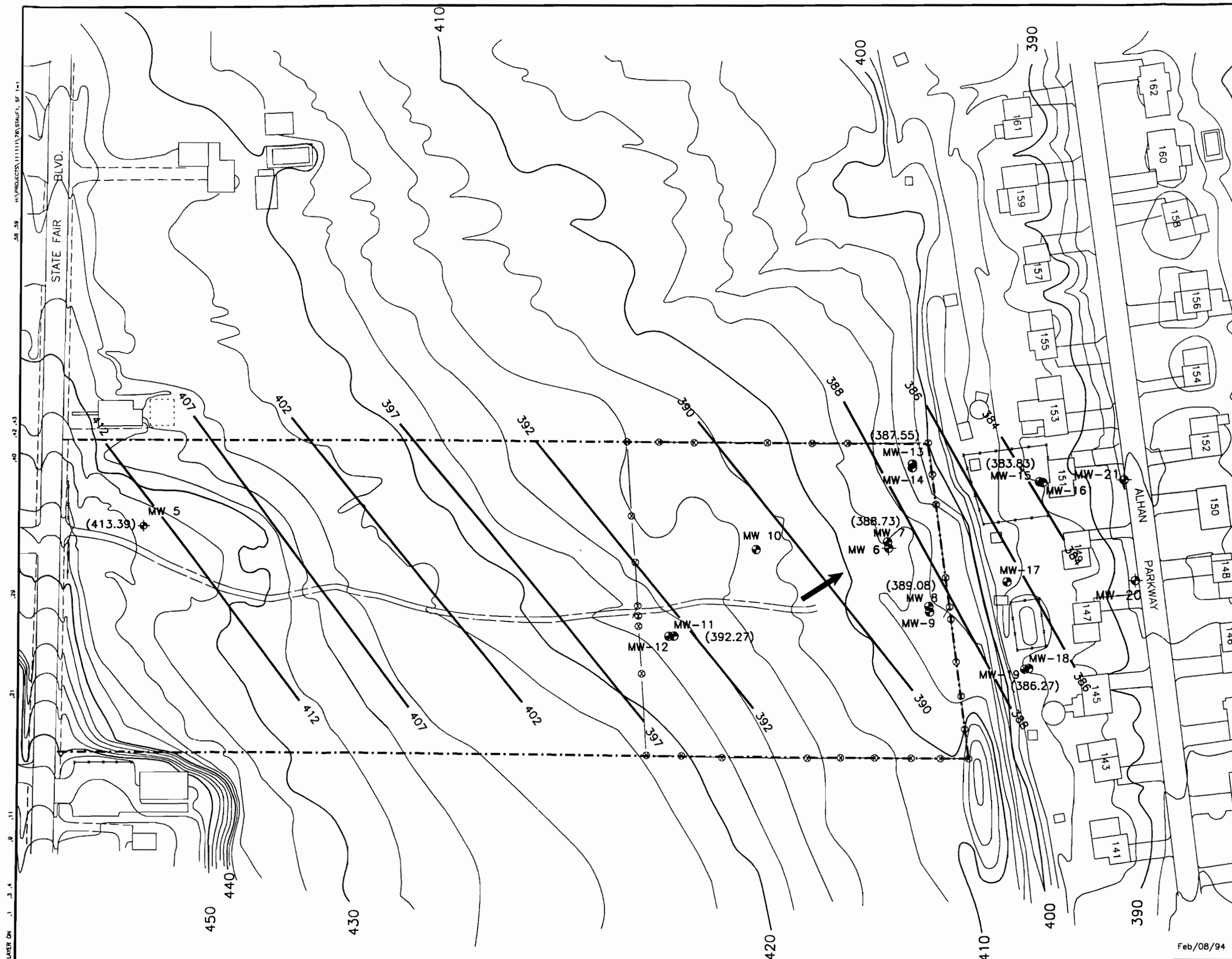
NOTE: GROUND WATER ELEVATION FROM THE RECOVERY WELLS ARE NOT DEPICTED FOR CLARITY.



SCALE IN FEET

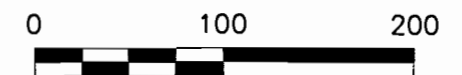
5618.003.476

FIGURE 20
 FOCUSED REMEDIAL INVESTIGATION
 MAESTRI SITE
 904 STATE FAIR BLVD.
 TOWN OF GEDDES, NEW YORK
 GROUND WATER
 ELEVATION MAP
 BEDROCK GROUND WATER
 (AUGUST 21, 1990)



LEGEND

- x — FENCE
- x — x — 8' HIGH SECURITY FENCE
- — — ACCESS ROAD
- — — MAESTRI SITE PROPERTY BOUNDARY
- MW 17 MONITORING WELL LOCATION
- FLOW DIRECTION
- 390 — BEDROCK GROUND WATER CONTOUR



SCALE IN FEET

5618.001.136



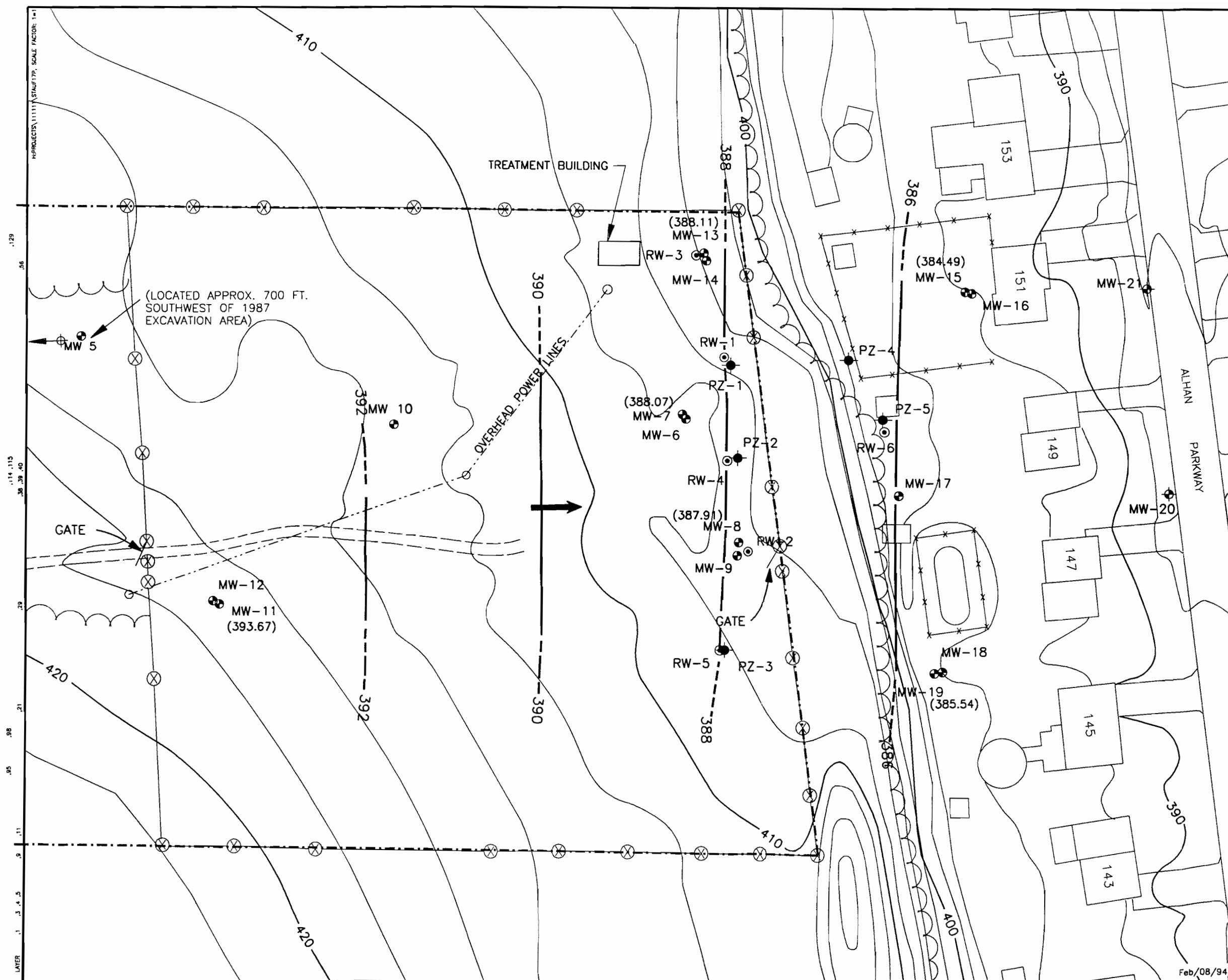
O'BRIEN & GERE
 ENGINEERS, INC.

Feb/08/94

FIGURE 21

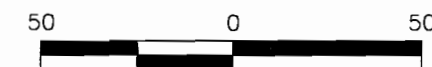
FOCUSED REMEDIAL INVESTIGATION
MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

GROUND WATER ELEVATION MAP
BEDROCK GROUND WATER
(JUNE 28, 1993)



LEGEND

- TREE LINE
- ACCESS ROAD
- MAESTRI SITE PROPERTY BOUNDARY
- FENCE
- 8' HIGH SECURITY FENCE
- MONITORING WELLS
- RECOVERY WELL
- PIEZOMETER
- (393.67) GROUND WATER ELEVATION
- GROUND WATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- GROUND WATER FLOW DIRECTION



SCALE IN FEET

5618.003.476

FOCUSED REMEDIAL INVESTIGATION
MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

 TREE LINE
 ACCESS ROAD
 MAESTRI SITE PROPERTY BOUNDARY
 FENCE
 8' HIGH SECURITY FENCE
 MONITORING WELLS
 RECOVERY WELL
 PIEZOMETER
 APPROXIMATE LIMITS OF 1987 EXCAVATION
 APPROXIMATE LIMITS OF 1990 EXCAVATION
 APPROXIMATE LIMITS OF 1993 EXCAVATION
 90
 2-SWS
 A
 CONFIRMATION SAMPLE LOCATION



SCALE IN FEET

5618.003.476

FIGURE 23

FOCUSED REMEDIAL INVESTIGATION
MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

DISTRIBUTION OF XYLENE
IN SOIL

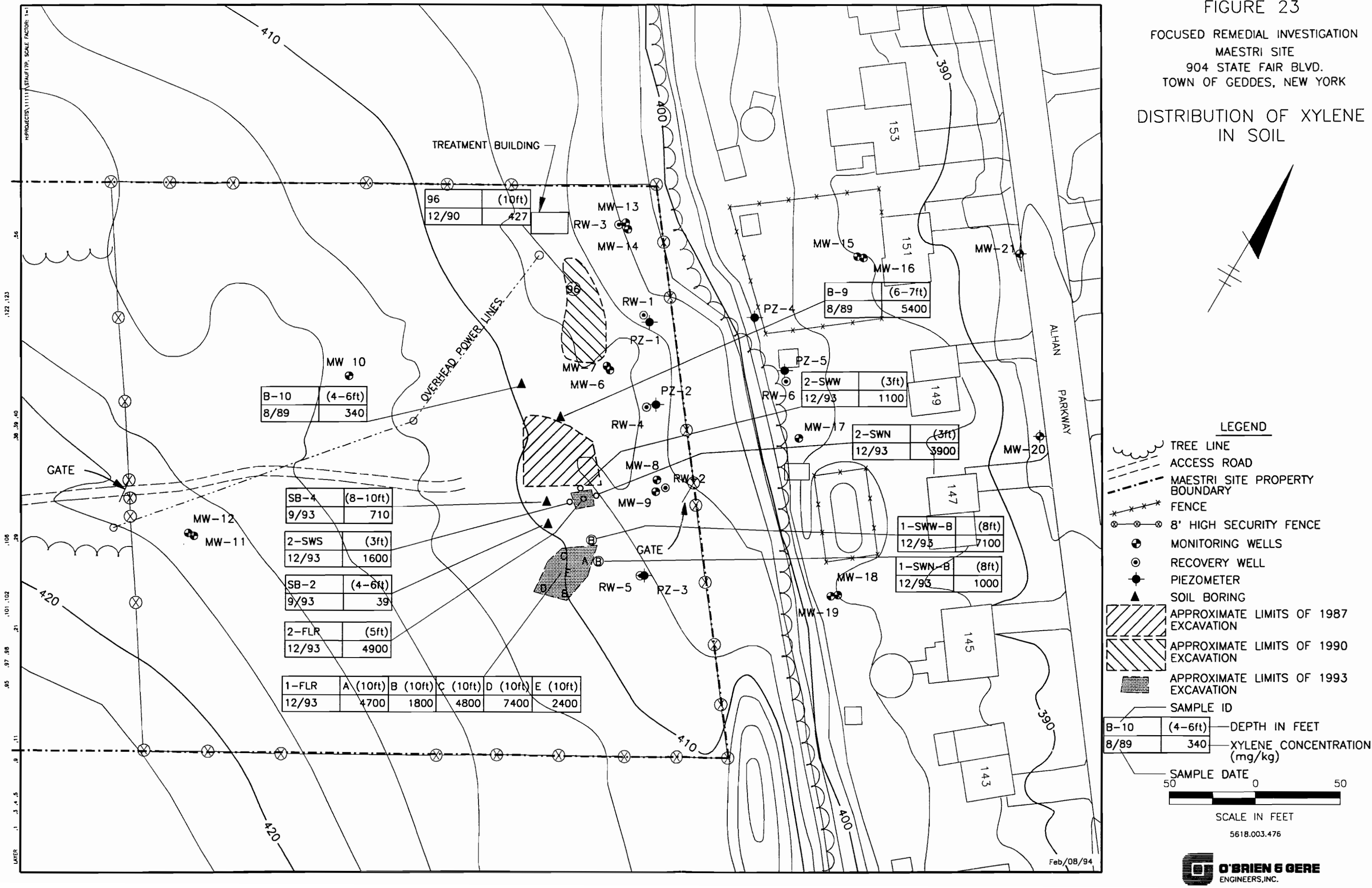
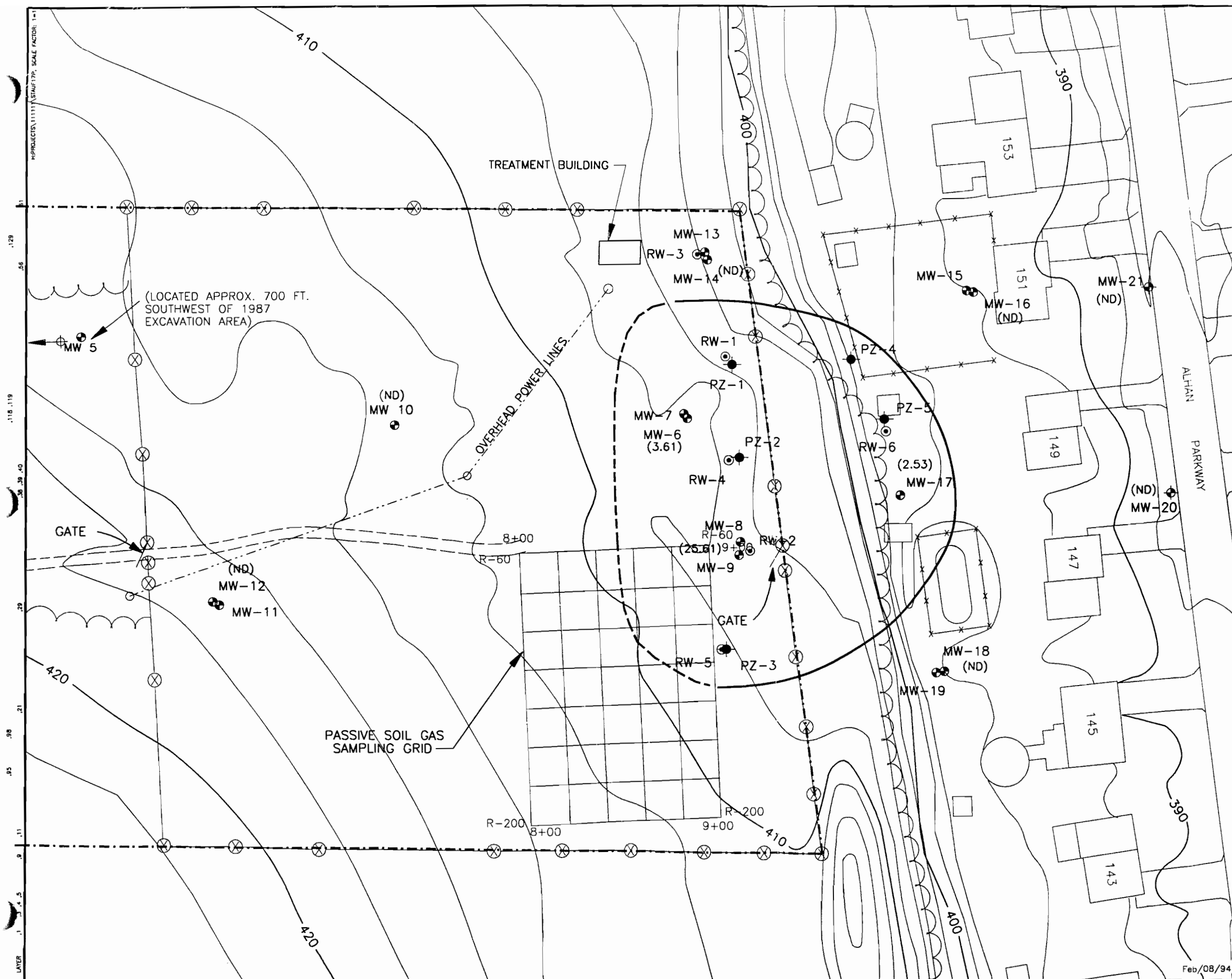


FIGURE 24

FOCUSED REMEDIAL INVESTIGATION
MAESTRI SITE
904 STATE FAIR BLVD.
TOWN OF GEDDES, NEW YORK

VOLATILE ORGANIC COMPOUND
GROUND WATER PLUME
(JUNE 28, 1993)



LEGEND

- TREE LINE
- ACCESS ROAD
- MAESTRI SITE PROPERTY BOUNDARY
- SURVEY GRID LINES AND COORDINATES
- FENCE
- 8' HIGH SECURITY FENCE
- MONITORING WELLS
- RECOVERY WELL
- PIEZOMETER
- APPROXIMATE LIMITS OF VOLATILE ORGANIC COMPOUND GROUND WATER PLUME (DASHED WHERE INFERRED)

(3.61) TOTAL VOC CONCENTRATION IN (ppm)

NOTE: EDGES OF VOC PLUME ARE BASED ON GROUND WATER SCREENING AND GROUND WATER MONITORING WELL SAMPLING RESULTS.

50 0 50

SCALE IN FEET

5618.003.476

APPENDIX A
PIEZOMETER BORING LOGS

O'BRIEN & GERE ENGINEERS, INC.						TEST BORING LOG		REPORT OF BORING: PZ-6			
CLIENT: Maestri Site						SAMPLER: 2-inch Split Barrel		PAGE 1 OF 1			
PROJ. LOCATION: Town of Geddes, NY						HAMMER: 140 lbs		LOCATION:			
FILE NO.: 5618.003						FALL: 30"		START DATE: 6/3/94 END DATE: 6/3/94			
BORING COMPANY: Parratt-Wolf						LEGEND:		☒ Grout ☒ Sand Pack ☒ Bentonite			
FOREMAN: Glen Lansing								☐ Screen ☐ Riser			
OBG GEOLOGIST: Chawn P. O'Dell											
DEPTH BELOW GRADE	NO.	DEPTH (FEET)	BLOWS /6"	PENETR/ RECOVERY	"N" VALUE	SAMPLE DESCRIPTION	STRATUM CHANGE GENERAL DESCRPT	EQUIPMENT INSTALLED	FIELD TESTING HEAD SPACE POON PID(ppm)		
0	1	0-2	2-3	2.0/1.9	6	Damp, reddish brown, SILT, some very fine sand, little clay, trace gravel, trace organic.			0.0	0.2 (moisture?)	
1			3-5								
2	2	2-4	3-2	2.0/2.0	5	Damp, medium brown, fine SAND, little very fine sand and silt.			0.0	0.2	
3			3-5								
4	3	4-6	2-2	2.0/1.8	5	Same as above, at 5.5 ft. to 5.7 ft., very moist, reddish brown, SILT, some clay.			0.0	0.0	
5			3-4								
6	4	6-8	2-2	2.0/1.8	5	Moist, medium brown, medium to fine SAND, little fine sand.	6'		0.0	0.0	
7			3-2								
8	5	8-10	2-3	2.0/1.8	10	Moist to wet, medium brown fine to medium SAND, little fine sand, saturated at about 9.0 ft.	9'		0.0	0.0	
9			7-10								
10	6	10-12	9-12	2.0/2.0	26	Wet, medium brown, fine to medium SAND, some fine sand, little very fine sand.			0.0	0.0	
11			14-14								
12	7	12-14	8-12	2.0/1.5		Wet, medium brown, medium SAND, some fine sand, trace to little coarse sand.	11'		0.0	0.0	
13			13-16								
14	8	14-16	6-18	2.0/1.5	27	Wet, medium brown, medium SAND, little coarse sand, trace very fine sand and silt.			0.0	0.0	
15			9-10								
16	9	16-18	22-33	1.5/1.5	88	Same as above 16 to 17.2 ft., then moist, red CLAY, little silt and fine to coarse sand, and fine to medium gravel.			0.0	0.0	
17			55								
18	10	18-20	13-17	2.0/1.7	38	Wet, fine to coarse GRAVEL, little fine, angular gravel, to 19.5 ft., then red CLAY, with green mottling, little silt and fine to coarse sand, fine to medium gravel.	20'		0.0	0.0	
19			21-28								
20											
21											
22											
2 ft. stick up well. 12.28 ft. to water - 6/8/94 10:10 am.											

PZ-8

LEGEND:		Grout		Screen
		Sand Pack		Riser
		Bentonite		

[illegible]

O'BRIEN & GERE ENGINEERS, INC.						TEST BORING LOG		REPORT OF BORING: PZ-9		
CLIENT: Maestri Site			SAMPLER: 2-inch Split Barrel			PAGE 1 OF 1 LOCATION:				
PROJ. LOCATION: Town of Geddes, NY			HAMMER: 140 lbs			START DATE: 6/7/94 END DATE: 6/7/94				
FILE NO.: 5618.003			FALL: 30°							
BORING COMPANY: Parratt-Wolff						LEGEND: Grout Screen				
FOREMAN: Glen Lansing						Sand Pack Riser				
OBG GEOLOGIST: Chawn P. O'Dell						Bentonite				
DEPTH BELOW GRADE	NO.	DEPTH (FEET)	BLOWS /6"	PENETRI/ RECOVERY	"N" VALUE	SAMPLE DESCRIPTION	STRATUM CHANGE GENERAL DESCRIPT	EQUIPMENT INSTALLED	FIELD TESTING OVER SPOON PID(ppm)	HEAD SPACE PID(ppm)
0	1	0-2	GRAB*	N/A	N/A	Damp, reddish brown, SILT and very fine SAND, some fine sand, little medium sand, trace fine gravel, trace plant roots, trace clay.			NA	0.0
1										
2	2	2-4	GRAB*	N/A	N/A	Same as above.			NA	0.0
3										
4	3	4-6	3-3	2.0/1.5	15	Damp, reddish to medium brown fine SAND and SILT, some very fine sand, little gravel, trace clay.			0.0	0.0
5			12-21							
6	4	6-8	50.4	0.4/0.4		Damp, grey to reddish brown, fine to medium SAND, some fine and very fine sand, little silt, little angular gravel, little orange mottling.			0.0	0.0
7							7'			
8	5	8-10	50.4	0.4/0.3		Damp, reddish brown fine to medium SAND, SILT and GRAVEL, little fine to medium gravel and clay.			0.0	0.0
9							9'			
10	6	10-12	24-50/2	0.7/0.7		Moist, medium to red brown, fine to medium SAND, some very fine sand, some gravel (or boulder), little silt, trace clay.			0.0	1.1
11							11'			
12	7	12-14	32-57	1/1		Moist, medium brown, fine to medium SAND, some silt and very fine sand, some fine to medium gravel, little clay.			0.0	0.0
13										
14	8	14-16	11-10	2/1.5	21	Wet, medium brown, fine SAND, some very fine sand, little silt and medium gravel.			0.0	31.2
15			11-13							
16	9	16-18	7-14	2/1.5	42	Wet, grey to medium brown, medium to coarse SAND, some fine sand, little silt and fine gravel.			0.0	85.5
17			28-40							
18	10	18-20	34-50.2	0.7/0.7		Wet, grey to medium brown, medium to coarse sand, some fine sand; little fine angular gravel.			0.0	39.9
19										
20	11	20-22	12-40	2/2	68	Same as above to 20.8 ft., then red brown CLAY, some SILT, little fine to coarse sand and fine to medium gravel.			0.0	1.4
21			28-44				21'			
22										
The first 0-5 ft were dug with a post hole digger in order to avoid under-ground utilities.										

O'BRIEN & GERE ENGINEERS, INC.						TEST BORING LOG		REPORT OF BORING: PZ-11		
CLIENT: Maestri Site			SAMPLER: 2-inch Split Barrel			PAGE 1 OF 1				
PROJ. LOCATION: Town of Geddes, NY			HAMMER: 140 lbs			LOCATION:				
FILE NO.: 5618.003			FALL: 30°			START DATE: 6/7/94 END DATE: 6/7/94				
BORING COMPANY: Parratt-Wolff						LEGEND: Grout Screen				
FOREMAN: Glen Lansing						Sand Pack Riser				
OBG GEOLOGIST: Chawn P. O'Dell						Bentonite				
DEPTH BELOW GRADE	NO.	DEPTH (FEET)	BLOWS /6"	PENETR/ RECOVERY	"W" VALUE	SAMPLE DESCRIPTION	STRATUM CHANGE GENERAL DESCRPT	EQUIPMENT INSTALLED	FIELD TESTING OVER SPOON PID(ppm)	HEAD SPACE PID(ppm)
0	1	0-2	2-3	2/1.8	5	Damp, medium to red brown, SILT, some fine sand, little medium sand, trace clay and plant root.			0.0	0.0
1			2-1							
2	2	2-4	2-2	2/2	4	Moist, dark brown fine SAND and SILT, little medium sand, little clay, trace fine to medium gravel.			0.0	0.0
3			2-2							
4	3	4-6	2-2	2/1	6	Wet, medium brown fine SAND and SILT, little medium sand and fine sand, trace clay, green mottling.			0.0	0.0
5			4-4							
6	4	6-8	6-9	2/1	28	Moist, medium to dark brown fine to medium SAND, some silt and fine to coarse gravel.	6.5'		0.0	4.3
7			19-42							
8	5	8-10	50/4	0.4/0.8		Moist, medium brown, fine SAND, some SILT, little coarse gravel, trace clay.	8.5'		0.0	106.0
9										
10	6	10-12	22-28		64	Moist, red to medium brown, fine to medium SAND, some very fine sand, little fine to medium angular gravel. Broken green shale 11.5 to 11.7 ft.	10.5	=	3.2	68.1
11			36-32					=		
12	7	12-14	25-36		78	Wet, light to medium brown, fine to medium SAND, little fine to medium sand, little coarse sand, little silt.		=	0.6	51.2
13			42-61					=		
14	8	14-16	37-50/2	0.7/0.6		Wet, red to medium brown, fine to medium SAND, some coarse sand, little fine to medium gravel, trace silt.		=	9.2	60.9
15								=		
16	9	16-18	21-48		79	Wet, medium brown, medium SAND, some fine and medium sand, little silt, little fine gravel.		=	0.0	28.4
17			31-42					=		
18	10	18-20	31-42	1.9/1.5	78	Same as above.		=	0.0	3.9
19			36-50/4					=		
20	11	20-22	8-21	2/1.5	52	Damp, red to medium brown CLAY, some silt, little fine to coarse sand and fine to coarse gravel.	20.5'	=	0.0	0.0
21			31-56					=		
22								=		

REPORT OF BORING:

PAGE 1 OF 1	
LOCATION:	
START DATE:	6/7/94
END DATE:	6/8/94

LEGEND:		Grout		Screen
		Sand Pack		Riser
		Bentonite		

[illegible]

O'BRIEN & GERE ENGINEERS, INC.						TEST BORING LOG		REPORT OF BORING: PZ-14		
CLIENT: Maestri Site			SAMPLER: 2-inch Split Barrel			PAGE 1 OF 1 LOCATION:				
PROJ. LOCATION: Town of Geddes, NY			HAMMER: 140 lbs			START DATE: 6/8/94 END DATE: 6/9/94				
FILE NO.: 5618.003			FALL: 30"							
BORING COMPANY: Parratt-Wolff						LEGEND:		☒ Grout ☒ Sand Pack ☒ Bentonite		
FOREMAN: Glen Lansing								☐ Screen ☐ Riser		
OBG GEOLOGIST: Chawn P. O'Dell										
DEPTH BELOW GRADE	NO.	DEPTH (FEET)	BLOWS /5"	PENETR/ RECOVERY	"F" VALUE	SAMPLE DESCRIPTION	STRATUM CHANGE GENERAL DESCRIP	EQUIPMENT INSTALLED	FIELD TESTING OVER SPOON PID(ppm)	HEAD SPACE PID(ppm)
0	1	0-2	2-3	2/1.2	8	Dry to damp, medium brown SILT, some very fine sand, little fine sand and plant roots, trace fine gravel.			0.0	8.6
1			5-5							
2	2	2-4	5-6	2/0.5	13	Damp, red to medium brown SILT, some very fine to fine sand, little plant roots, trace clay and fine gravel.			0.0	23.8
3			7-5							
4	3	4-6	7-10	2/1.8	23	Damp, red to medium brown SILT, some clay, little fine to coarse sand and fine to medium gravel.			0.0	0.0
5			13-14							
8	4	6-8	17-17	2/1.7	35	Moist, red brown, SILT, some fine sand, little fine to medium gravel, trace clay.			0.0	0.0
7			18-21							
8	5	8-10	35-21	2/2	46	Same as above to 9 ft., then grey to medium brown fine to medium SAND, some medium sand, little coarse sand.	8'		0.0	5.2
9			25-29							
10	8	10-12	18-23	2/1	55	Moist turning wet, light to medium brown fine to medium SAND.	10'		0.0	7.9
11			33-45							
12	7	12-14	50/4	0.4/0.4		Wet, red brown, fine to medium SAND, some medium sand, little silt, little fine to medium gravel.	12'	=	0.0	1.1
13								=		
14	8	14-16	68	0.5/0.4		Wet, medium brown, fine to medium SAND, some medium sand, little fine to medium gravel and shale fragments.		=	0.0	0.0
15								=		
16	9	16-18	NA	NA		Cobbles/boulder - no sample collected.		=	NA	NA
17								=		
18	10	18-20	NA	NA		Same as above.		=	NA	NA
19								=		
20	11	20-22	50/2	1.5/1.5		Wet, brown, coarse SAND (dense), some fine to medium sand and fine to coarse gravel (boulder/cobbles).		=	0.0	1.3
21								=		
22	12	22-24	28-38	1.5/1.0		Damp, red brown CLAY some SILT, little fine to coarse sand and fine to coarse gravel (angular-broken shale).	22'		0.0	0.0
			58							

O'BRIEN & GERE ENGINEERS, INC.						TEST BORING LOG	REPORT OF BORING: PZ-16			
CLIENT: Masatri Site			SAMPLER: 2-inch Split Barrel		PAGE 1 OF 2 LOCATION:					
PROJ. LOCATION: Town of Geddes, NY			HAMMER: 140 lbs		START DATE: 6/10/94 END DATE: 6/10/94					
FILE NO.: 5618.003			FALL: 30°							
BORING COMPANY: Parratt-Wolff			FOREMAN: Glen Lansing		LEGEND: ☒ Grout ☐ Screen					
OBG GEOLOGIST: Chawn P. O'Dell					☒ Sand Pack ☐ Riser					
					☒ Bentonite					
DEPTH BELOW GRADE	NO.	DEPTH (FEET)	BLOWS /6"	PENETR/ RECOVERY	"F" VALUE	SAMPLE DESCRIPTION	STRATUM CHANGE GENERAL DESCRIBE	EQUIPMENT INSTALLED	FIELD TESTING OVER SPOON PID(ppm)	HEAD SPACE PID(ppm)
0	1	0-2	8-11	2/1.7	21	Damp, medium brown SILT, some fine sand, little fine gravel and plant roots.			0.0	0.0
1			10-10							
2	2	2-4	8-9	2/2	20	Damp, medium brown SILT, some fine sand, little fine to medium gravel and plant roots.			103.0	462.0
3			11-12							
4	3	4-6	12-18	2/1.5	35	Damp, medium brown, fine to medium SAND, some silt, little fine to coarse gravel.			43.0	357.0
5			17-14							
6	4	6-8	9-9	2/0	16	2 spoons, no recovery.			NA	NA
7			7-6							
8	5	8-10	5-4	2/0.5	7	Moist, medium brown, fine to coarse SAND, some silt, little fine to medium gravel.			5.4	455.0
9			3-4							
10	6	10-12	7-9	2/1	46	Moist turning wet, green-grey to brown fine to coarse SAND and GRAVEL, some silt, trace clay.			3.1	107.0
11			37-26							
12	7	12-14	75	0.5/0.5		Wet, red to dark brown fine to medium SAND, some silt and fine to medium gravel, little coarse gravel and angular gravel (fragmented black shale).	11'		2.1	145.0
13										
14	8	14-16	22-30	2/1	64	Wet, red brown, SILT and fine SAND, some medium to coarse sand, little fine to coarse gravel.	13'		3.4	123.0
15			34-29							
16	9	16-18	20-19	2/1	43	Wet, fine to coarse GRAVEL, little fine angular gravel.	15'		1.6	451.0
17			24-26							
18	10	18-20	25-26	2/0.7	45	Same as above.			2.8	527.0
19			19-28							
20	11	20-22	20-31	2/1.2	76	Wet, fine to coarse GRAVEL, little fine angular gravel, (green and grey broken shale), little silt.			1.9	361.0
21			45-41							
22	12	22-24	30-18	2/1		Wet, fine to coarse GRAVEL, little fine angular gravel.			3.1	39.9
			17-22							

O'BRIEN & GERE ENGINEERS, INC.						TEST BORING LOG		REPORT OF BORING: PZ-17		
CLIENT: Maestri Site			SAMPLER: 2-inch Split Barrel			PAGE 1 OF 2 LOCATION:				
PROJ. LOCATION: Town of Geddes, NY			HAMMER: 140 lbs			START DATE: 6/10/94 END DATE: 6/10/94				
FILE NO.: 5618.003			FALL: 30°							
BORING COMPANY: Parrott-Wolff						LEGEND:		☐ Grout ☒ Sand Pack ☒ Bentonite		
FOREMAN: Glen Lansing								☐ Screen ☐ Riser		
OBG GEOLOGIST: Chawn P. O'Dell										
DEPTH BELOW GRADE	NO.	DEPTH (FEET)	BLOWS /6"	PENETR/ RECOVERY	"W" VALUE	SAMPLE DESCRIPTION	STRATUM CHANGE GENERAL DESCRIPT	EQUIPMENT INSTALLED	FIELD TESTING OVER SPOON PID(ppm)	HEAD SPACE PID(ppm)
0	1	0-2	NA*	NA*		Damp, medium brown, SILT and fine SAND, little fine gravel and plant roots			NA	0.0
1										
2	2	2-4	NA*	NA*		Damp, medium brown SILT and fine SAND, some medium sand, little fine to medium gravel.			NA	0.0
3										
4	3	4-6	5-11	2/1.5	26	Moist, medium brown fine SAND, some silt, little fine gravel and clay.			0.0	9.6
5			15-17							
6	4	6-8	24-50/4	0/9/0.7		Same as above.			0.0	11.4
7										
8	5	8-10	26-60	1/0.9		Moist, dark orange to red brown, fine to medium SAND, some silt, little fine to medium gravel, trace angular gravel.			0.0	1.2
9										
10	6	10-12	68	0.5/0.3		Moist, coarse and fragmented GRAVEL, (broken cobble?).			0.6	0.0
11										
12	7	12-14	17-30	1.3/1.0		Wet, broken, very dense, fine to coarse GRAVEL, some red-brown to orange silt, little fine to coarse sand.			0.8	0.0
13			50/3							
14	8	14-16	43-/60/1	0.6/0.6		Wet, red brown, grading to black SILT, little fine to medium sand, trace fine gravel.			1.1	9.3
15										
16	9	16-18	48-50/2	0.7/0.5		Wet, fine to coarse GRAVEL, little green-grey silt, trace angular gravel.			0.9	301
17										
18	10	18-20				No sample collected. Bony, cobbles.			NA	NA
19										
20	11	20-22	85	0.3/0.2		Wet, coarse GRAVEL, little broken angular gravel.			0.0	49.8
21										
22	12	22-24	70/4	0.4/0.2		Wet, fine to coarse GRAVEL.			0.0	8.4
Post hole dug 0-4.5 ft. below grade.										

REPORT OF BORING:

PAGE 1 OF 1	
LOCATION:	
START DATE:	6/9/94
END DATE:	6/9/94

LEGEND:		Grout		Screen
		Sand Pack		Riser
		Bentonite		

DEPTH BELOW GRADE	NO.	DEPTH (FEET)	BLOWS /6"	PENETRA/ RECOVERY	W VALUE	SAMPLE DESCRIPTION	STRATUM CHANGE GENERAL DESCRPT	EQUIPMENT INSTALLED	FIELD TESTING	
									OVER SPOON PID(ppm)	HEAD SPACE PID(ppm)
0										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18	1	18-20	12-22		56	Wet, grey to medium brown, fine to coarse GRAVEL, some medium to coarse sand, little silt.				
19			34-33							
20	2	20-22	12-16		40	Wet, fine to coarse GRAVEL, trace fine angular gravel.				
21			24-51							
22		22-24	6-20		58	Same as above to 22.5 ft, then red to medium brown CLAY, some silt, little fine to coarse sand and fine to coarse gravel.				
23			37-71							

O'BRIEN & GERE ENGINEERS, INC.						TEST BORING LOG		REPORT OF BORING: PZ-19		
CLIENT: Maestri Site			SAMPLER: 2-inch Split Barrel			PAGE 1 OF 1				
PROJ. LOCATION: Town of Geddes, NY			HAMMER: 140 lbs			LOCATION:				
FILE NO.: 5618.003			FALL: 30°			START DATE: 6/9/94				
BORING COMPANY: Parratt-Wolff						END DATE: 6/10/94				
FOREMAN: Glen Lansing						LEGEND:				
OBG GEOLOGIST: Chawn P. O'Dell						Grout Sand Pack Bentonite Screen Riser				
DEPTH BELOW GRADE	NO.	DEPTH (FEET)	BLOWS /6"	PENETR/ RECOVERY	"W" VALUE	SAMPLE DESCRIPTION	STRATUM CHANGE GENERAL DESCRIP	EQUIPMENT INSTALLED	FIELD TESTING OVER SPOON PID(ppm)	HEAD SPACE PID(ppm)
0										
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20	1	20-22	8-15	2/1	28	Wet, coarse GRAVEL, little fine to medium gravel.	9.5'		0.0	0.0
21			13-14							
22	2	22-24	22-23	2/2		Same as above to 23, then red-brown CLAY, some SILT, little fine to coarse sand and fine to coarse gavel.	13.5'		0.0	0.0
23			32-48							
							23.5'			

APPENDIX B
LABORATORY DATA SHEETS



Volatile Organics

Method 8010/8020

CLIENT _____ JOB NO. 3213.008.517
DESCRIPTION Geddes, NY
MATRIX: Water
DATE COLLECTED 7-7-94 DATE RECEIVED 7-7-94 DATE ANALYZED 7-14,15-94

DESCRIPTION:	MW-14	MW-6	MW-9	PZ-6	MW-10	MW-21
SAMPLE NO.:	T9473	T9474	T9475	T9476	T9477	T9478
BENZENE	<1.	<100.	<200.	<1.	<1.	<1.
BROMODICHLOROMETHANE	<1.	<100.	<200.	<1.	<1.	<1.
BROMOFORM	<10.	<1000.	<2000.	<10.	<10.	<10.
BROMOMETHANE	<10.	<1000.	<2000.	<10.	<10.	<10.
CARBON TETRACHLORIDE	<1.	<100.	<200.	<1.	<1.	<1.
CHLOROBENZENE	<1.	<100.	<200.	<1.	<1.	<1.
CHLOROETHANE	<1.	<100.	<200.	<1.	<1.	<1.
2-CHLOROETHYL VINYL ETHER	<10.	<1000.	<2000.	<10.	<10.	<10.
CHLOROFORM	<1.	<100.	<200.	<1.	<1.	<1.
CHLOROMETHANE	<10.	<1000.	<2000.	<10.	<10.	<10.
DIBROMOCHLOROMETHANE	<1.	<100.	<200.	<1.	<1.	<1.
1,2-DICHLORO BENZENE	<5.	<500.	<1000.	<5.	<5.	<5.
1,3-DICHLORO BENZENE	<5.	<500.	<1000.	<5.	<5.	<5.
1,4-DICHLORO BENZENE	<5.	<500.	<1000.	<5.	<5.	<5.
DICHLORODIFLUOROMETHANE	<10.	<1000.	<2000.	<10.	<10.	<10.
1,1-DICHLOROETHANE	<1.	<100.	<200.	<1.	<1.	<1.
1,2-DICHLOROETHANE	<1.	<100.	<200.	<1.	<1.	<1.
1,1-DICHLOROETHYLENE	<1.	<100.	<200.	<1.	<1.	<1.
1,2-DICHLOROETHENE (total)	<1.	<100.	<200.	<1.	<1.	<1.
DICHLOROMETHANE	<1.	<100.	<200.	<1.	<1.	<1.
1,2-DICHLOROPROPANE	<1.	<100.	<200.	<1.	<1.	<1.
cis-1,3-DICHLOROPROPYLENE	<1.	<100.	<200.	<1.	<1.	<1.
trans-1,3-DICHLOROPROPYLENE	<1.	<100.	<200.	<1.	<1.	<1.



Volatile Organics

Method 8010/8020

CLIENT _____ JOB NO. 3213.008.517
DESCRIPTION Geddes, NY
MATRIX: Water
DATE COLLECTED 7-7-94 DATE RECEIVED 7-7-94 DATE ANALYZED 7-14,15-94

DESCRIPTION:	MW-14	MW-6	MW-9	PZ-6	MW-10	MW-21
SAMPLE NO.:	T9473	T9474	T9475	T9476	T9477	T9478
ETHYLBENZENE	<1.	150.	270.	<1.	<1.	<1.
1,1,2,2-TETRACHLOROETHANE	<1.	<100.	<200.	<1.	<1.	<1.
TETRACHLOROETHYLENE	<1.	<100.	<200.	<1.	<1.	<1.
TOLUENE	<1.	<100.	510.	<1.	<1.	<1.
1,1,1-TRICHLOROETHANE	<1.	<100.	<200.	<1.	<1.	<1.
1,1,2-TRICHLOROETHANE	<1.	<100.	<200.	<1.	<1.	<1.
TRICHLOROETHYLENE	<1.	<100.	<200.	<1.	<1.	<1.
TRICHLOROFLUOROMETHANE	<1.	<100.	<200.	<1.	<1.	<1.
VINYL CHLORIDE	<1.	<100.	<200.	<1.	<1.	<1.
XYLENE (total)	<3.	2300.	27,000.	<3.	<3.	<3.

Comments:

Methodology: USEPA, SW-846, November 1986, 3rd Edition

Certification No.: 10155

Units: $\mu\text{g/l}$

Page 2 of 2



Volatile Organics

Method 8010/8020

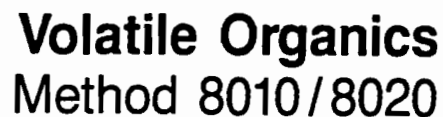
CLIENT _____ JOB NO. 3213.008.517

DESCRIPTION Geddes, NY

MATRIX: Water

DATE COLLECTED 7-7-94 DATE RECEIVED 7-7-94 DATE ANALYZED 7-14,15-94

DESCRIPTION:	Fisher Sump	MW-20	MW-16	MW-17	MW-18	PZ-5
SAMPLE NO.:	T9479	T9480	T9481	T9482	T9483	T9484
BENZENE	<1.	<1.	<1.	<100.	<1.	<10.
BROMODICHLOROMETHANE	<1.	<1.	<1.	<100.	<1.	<10.
BROMOFORM	<10.	<10.	<10.	<1000.	<10.	<100.
BROMOMETHANE	<10.	<10.	<10.	<1000.	<10.	<100.
CARBON TETRACHLORIDE	<1.	<1.	<1.	<100.	<1.	<10.
CHLOROBENZENE	<1.	<1.	<1.	<100.	<1.	<10.
CHLOROETHANE	<1.	<1.	<1.	<100.	<1.	<10.
1-CHLOROETHYL VINYL ETHER	<10.	<10.	<10.	<1000.	<10.	<100.
CHLOROFORM	<1.	<1.	<1.	<100.	<1.	<10.
CHLOROMETHANE	<10.	<10.	<10.	<1000.	<10.	<100.
DIBROMOCHLOROMETHANE	<1.	<1.	<1.	<100.	<1.	<10.
1,2-DICHLORO BENZENE	<5.	<5.	<5.	<500.	<5.	<50.
1,3-DICHLORO BENZENE	<5.	<5.	<5.	<500.	<5.	<50.
1,4-DICHLORO BENZENE	<5.	<5.	<5.	<500.	<5.	<50.
DICHLORODIFLUOROMETHANE	<10.	<10.	<10.	<1000.	<10.	<100.
1,1-DICHLOROETHANE	<1.	<1.	<1.	<100.	<1.	<10.
1,2-DICHLOROETHANE	<1.	<1.	<1.	<100.	<1.	<10.
1,1-DICHLOROETHYLENE	<1.	<1.	<1.	<100.	<1.	<10.
1,2-DICHLOROETHENE (total)	<1.	<1.	<1.	<100.	<1.	<10.
DICHLOROMETHANE	<1.	<1.	<1.	<100.	<1.	<10.
1,2-DICHLOROPROPANE	<1.	<1.	<1.	<100.	<1.	<10.
cis-1,3-DICHLOROPROPYLENE	<1.	<1.	<1.	<100.	<1.	<10.
trans-1,3-DICHLOROPROPYLENE	<1.	<1.	<1.	<100.	<1.	<10.



DATE ANALYZED 7-14,15-94

OBG Laboratories, Inc., an O'Brien & Gere Limited Company
5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200



Volatile Organics

Method 8010/8020

CLIENT _____ JOB NO. 3213.008.517
DESCRIPTION Geddes, NY MATRIX: Water
DATE COLLECTED 7-7-94 DATE RECEIVED 7-7-94 DATE ANALYZED 7-15-94

DESCRIPTION:	PZ-4	QC Trip Blank			
SAMPLE NO.:	T9485	T9486			
BENZENE	<1.	<1.			
BROMODICHLOROMETHANE	<1.	<1.			
BROMOFORM	<10.	<10.			
BROMOMETHANE	<10.	<10.			
CARBON TETRACHLORIDE	<1.	<1.			
CHLOROBENZENE	<1.	<1.			
CHLOROETHANE	<1.	<1.			
2-CHLOROETHYL VINYL ETHER	<10.	<10.			
CHLOROFORM	<1.	<1.			
CHLOROMETHANE	<10.	<10.			
DIBROMOCHLOROMETHANE	<1.	<1.			
1,2-DICHLOROBENZENE	<5.	<5.			
1,3-DICHLOROBENZENE	<5.	<5.			
1,4-DICHLOROBENZENE	<5.	<5.			
DICHLORODIFLUOROMETHANE	<10.	<10.			
1,1-DICHLOROETHANE	<1.	<1.			
1,2-DICHLOROETHANE	<1.	<1.			
1,1-DICHLOROETHYLENE	<1.	<1.			
1,2-DICHLOROETHENE (total)	<1.	<1.			
DICHLOROMETHANE	<1.	<1.			
1,2-DICHLOROPROPANE	<1.	<1.			
cis-1,3-DICHLOROPROPYLENE	<1.	<1.			
trans-1,3-DICHLOROPROPYLENE	<1.	<1.			



Volatile Organics

Method 8010/8020

CLIENT _____ JOB NO. 3213.008.517DESCRIPTION Geddes, NYMATRIX: WaterDATE COLLECTED 7-7-94 DATE RECEIVED 7-7-94 DATE ANALYZED 7-15-94

DESCRIPTION:

PZ-4

QC Trip
Blank

SAMPLE NO.:

T9485

T9486

ETHYLBENZENE

<1.

<1.

1,1,2,2-TETRACHLOROETHANE

<1.

<1.

TETRACHLOROETHYLENE

<1.

<1.

TOLUENE

<1.

<1.

1,1,1-TRICHLOROETHANE

<1.

<1.

1,1,2-TRICHLOROETHANE

<1.

<1.

TRICHLOROETHYLENE

<1.

<1.

TRICHLOROFLUOROMETHANE

<1.

<1.

VINYL CHLORIDE

<1.

<1.

XYLENE (total)

<3.

<3.

Comments:

Methodology: USEPA SW-846, November 1986, 3rd Edition

Certification No.: 10155

Units: µg/l

Page 2 of 2

Authorized: Monica SantucciDate: July 27, 1994



Office: Syracuse NY
Address: 5000 Britton Field
Phone: 437-6100

CHAIN OF CUSTODY

CLIENT: LOCATION: <u>Geddes, NY</u>			COLLECTED BY: <u>Peta Loretto / Amy Mace</u> (Signature) <u>[Signature]</u>			
SAMPLE DESCRIPTION	Date	Time	Sample Matrix ¹	Sample Type ²	No. of Containers	ANALYSIS REQUESTED
MW-14	7/7/94	1100	water	grab	2	EPA 8010/8020
MW-6	7/7/94	1115			2	
MW-9	7/7/94	1135			2	
PZ-6	7/7/94	1155			2	
MW-10	7/7/94	1240			2	
MW-21	7/7/94	1315			2	
Fisher Sump	7/7/94	1340			2	
MW-20	7/7/94	1400			2	
MW-16	7/7/94	1410			2	
MW-17	7/7/94	1430			2	
MW-18	7/7/94	1445			2	EPA 8010/8020
PZ-5	7/7/94	1515			2	
PZ-4	7/7/94	1530			2	
TRIP BLANK	7/7/94	—			1	EPA 8010/8020

¹ Matrix = water, wastewater, air, sludge, sediment, etc.

² Type = grab, composite

Relinquished by: <u>[Signature]</u> of: <u>O'Brien & Gere</u>	Date: <u>7/7/94</u> Time: <u>1610</u>	Received by: _____ of: _____	Date: _____ Time: _____
Relinquished by: _____ of: _____	Date: _____ Time: _____	Received by: _____ of: _____	Date: _____ Time: _____
Relinquished by: _____ of: _____	Date: _____ Time: _____	Received by: _____ of: _____	Date: _____ Time: _____
Use this space if shipped via courier (e.g., Fed Ex) Relinquished by: _____ of: _____		Courier Name: _____ *Attach delivery/courier receipt to Chain of Custody	Date: _____ Time: _____
Relinquished by: _____ of: _____	Date: _____ Time: _____	Received by: <u>[Signature]</u> of: <u>O'Brien & Gere Laboratories</u>	Date: <u>7/7/94</u> Time: <u>16:10</u>

APPENDIX C

BASELINE GROUND WATER ELEVATION DATA

Maestri Site
System Shut Down Water Levels

Depth To Water
(in feet)
Date

Well No	7/7/94	7/8/94	7/9/94	7/10/94	7/11/94
PZ-1	20.76				18.78
PZ-2	14.76				13.17
PZ-3	14.29				13.86
PZ-4	9.15				9.14
PZ-5	8.75				7.8
PZ-6	14.11				14.19
PZ-7	14.05				13.82
PZ-8	14.08				14.04
PZ-9	13.38				13.21
PZ-10	12.28				12.07
PZ-11	13.8				13.63
PZ-12	14.49				14.11
PZ-13	15.37				15.26
PZ-14	14.84				13.91
PZ-15	20.4				18.45
PZ-16	19.09				18.19
PZ-17	18.97				18.39
PZ-18					18.44
PZ-19	18.25				17.73
MW-6	12.19				12.25
MW-9	12.51				12.38
MW-10	12.57	12.68	12.76	12.87	12.94
MW-12	11.69	11.76	11.8	11.87	11.92
MW-14	17.76	17.09	16.99	17.14	17.18
MW-16	5.61				5.52
MW-17	7.1				6.64
MW-18	3.18				3.23
MW-20	1.66	1.64	1.58	1.58	1.55
MW-21	4.65				3.23
RW-1	20.74				18.64
RW-2	16.04				11.55
RW-3	21.78	18.88	18.82	18.99	19.03
RW-4	20.14				14.1
RW-5	21.68				
RW-6	8.75				7.7

APPENDIX D

72-HOUR PRESSURE TRANSDUCER DATA

Date Wednesday July 13, 1994 8:48 AM

PlotFile A:\MAEST001.PRN

DataFile A:\MAEST01.WK1

MAESTRI SITE

Time of First Log in Specified Window

11-Jul-94 11:00:01

Date	Time	Elapsed Time (Min)	MW-14 ft	Static 3.2954	PZ-1 ft	Static 5.5296	PZ-2 ft	Static 7.6013
11-Jul-94	11:00:01	00:00:00	0	3.2954	0	5.526	-0.0036	7.6013
11-Jul-94	11:00:07	00:00:05	0.08496	3.2954	0	5.5296	0	7.6013
11-Jul-94	11:00:10	00:00:08	0.14112	3.299	0.0036	5.5296	0	7.6013
11-Jul-94	11:00:13	00:00:12	0.19728	3.2954	0	5.526	-0.0036	7.5977
11-Jul-94	11:00:18	00:00:17	0.27792	3.299	0.0036	5.5296	0	7.6013
11-Jul-94	11:00:22	00:00:20	0.33552	3.2954	0	5.526	-0.0036	7.6013
11-Jul-94	11:00:25	00:00:24	0.39312	3.2918	-0.0036	5.5223	-0.0073	7.6013
11-Jul-94	11:00:30	00:00:28	0.47232	3.2918	-0.0036	5.5187	-0.0109	7.6013
11-Jul-94	11:00:33	00:00:32	0.52992	3.2845	-0.0109	5.5151	-0.0145	7.6013
11-Jul-94	11:00:38	00:00:37	0.60912	3.2845	-0.0109	5.5115	-0.0181	7.6013
11-Jul-94	11:00:41	00:00:40	0.66672	3.2845	-0.0109	5.5043	-0.0253	7.6013
11-Jul-94	11:00:45	00:00:43	0.72288	3.2809	-0.0145	5.5007	-0.0289	7.6013
11-Jul-94	11:00:50	00:00:48	0.80208	3.2809	-0.0145	5.4935	-0.0361	7.6013
11-Jul-94	11:00:53	00:00:52	0.85968	3.2773	-0.0181	5.4863	-0.0433	7.6013
11-Jul-94	11:00:56	00:00:55	0.91584	3.2773	-0.0181	5.4826	-0.047	7.6013
11-Jul-94	11:01:01	00:01:00	0.99648	3.2737	-0.0217	5.479	-0.0506	7.6013
11-Jul-94	11:01:05	00:01:03	1.05264	3.2737	-0.0217	5.4718	-0.0578	7.6013
11-Jul-94	11:01:10	00:01:08	1.13472	3.2701	-0.0253	5.4682	-0.0614	7.6013
11-Jul-94	11:01:13	00:01:11	1.19088	3.2665	-0.0289	5.4646	-0.065	7.6013
11-Jul-94	11:01:16	00:01:15	1.24704	3.2665	-0.0289	5.4574	-0.0722	7.6013
11-Jul-94	11:01:21	00:01:20	1.32768	3.2629	-0.0325	5.4538	-0.0758	7.6013
11-Jul-94	11:01:24	00:01:23	1.38384	3.2629	-0.0325	5.4502	-0.0794	7.6013
11-Jul-94	11:01:28	00:01:26	1.44144	3.2629	-0.0325	5.4465	-0.0831	7.6013
11-Jul-94	11:01:33	00:01:31	1.52208	3.2557	-0.0397	5.4393	-0.0903	7.6013
11-Jul-94	11:01:36	00:01:35	1.57968	3.2557	-0.0397	5.4321	-0.0975	7.5977
11-Jul-94	11:01:41	00:01:39	1.65744	3.252	-0.0434	5.4285	-0.1011	7.6013
11-Jul-94	11:01:44	00:01:43	1.71648	3.2557	-0.0397	5.4249	-0.1047	7.6013
11-Jul-94	11:03:51	00:03:50	3.83328	3.1763	-0.1191	5.3058	-0.2238	7.6013
11-Jul-94	11:13:51	00:13:50	13.83264	2.855	-0.4404	4.9485	-0.5811	7.5544
11-Jul-94	11:23:51	00:23:50	23.832	2.7467	-0.5487	4.703	-0.8266	7.4245
11-Jul-94	11:33:51	00:33:50	33.8328	2.6348	-0.6606	4.4648	-1.0648	7.3018
11-Jul-94	11:43:51	00:43:50	43.83216	2.5879	-0.7075	4.2915	-1.2381	7.2007
11-Jul-94	11:53:52	00:53:50	53.8344	2.5879	-0.7075	4.1833	-1.3463	7.1213
11-Jul-94	12:23:51	01:23:50	83.83248	2.5013	-0.7941	3.7068	-1.8228	6.9336
11-Jul-94	12:53:51	01:53:50	113.832	2.4472	-0.8482	3.4109	-2.1187	6.8289
11-Jul-94	13:23:51	02:23	143.83296	2.393	-0.9024	3.1438	-2.3858	6.7387
11-Jul-94	13:53:51	02:53	173.83248	2.3786	-0.9168	2.9741	-2.5555	6.6449
11-Jul-94	14:23:51	03:23	203.832	2.3966	-0.8988	2.9308	-2.5988	6.5871
11-Jul-94	14:53:51	03:53	233.83296	2.3786	-0.9168	3.068	-2.4616	6.5258
11-Jul-94	15:23:51	04:23	263.83248	2.3714	-0.924	2.7828	-2.7468	6.4752
11-Jul-94	15:53:51	04:53	293.832	2.3497	-0.9457	2.8334	-2.6962	6.4247
11-Jul-94	16:23:51	05:23	323.83296	2.3317	-0.9637	2.8695	-2.6601	6.3778
11-Jul-94	16:53:51	05:53	353.83248	2.3172	-0.9782	2.9272	-2.6024	6.3417
11-Jul-94	17:23:51	06:23	383.832	2.3208	-0.9746	2.9597	-2.5699	6.3128
11-Jul-94	17:53:51	06:53	413.83296	2.3353	-0.9601	2.754	-2.7756	6.2839

Date Wednesday July 13, 1994 8:48 AM

PlotFile A:\MAEST001.PRN

DataFile A:\MAEST01.WK1

MAESTRI SITE

Time of First Log in Specified Window

11-Jul-94 11:00:01

Date	Time	Elapsed Time (Min)	MW-14 ft	Static 3.2954 ft	PZ-1 ft	Static 5.5296 ft	PZ-2 ft	Static 7.6013	
11-Jul-94	18:23:51	07:23	443.83248	2.3136	-0.9818	2.6601	-2.8695	6.255	-1.3463
11-Jul-94	18:53:51	07:53	473.832	2.3064	-0.989	2.6276	-2.902	6.2117	-1.3896
11-Jul-94	19:23:51	08:23	503.83296	2.2956	-0.9998	2.6276	-2.902	6.172	-1.4293
11-Jul-94	19:53:51	08:53	533.83392	2.2992	-0.9962	2.6312	-2.8984	6.1468	-1.4545
11-Jul-94	20:53:51	09:53	593.83296	2.31	-0.9854	2.7215	-2.8081	6.1287	-1.4726
11-Jul-94	21:53:51	10:53	653.832	2.2847	-1.0107	2.689	-2.8406	6.0782	-1.5231
11-Jul-94	22:53:51	11:53	713.83248	2.2883	-1.0071	2.5374	-2.9922	6.0601	-1.5412
11-Jul-94	23:53:51	12:53	773.83296	2.689	-0.6064	3.0138	-2.5158	6.0926	-1.5087
12-Jul-94	00:53:51	13:53	833.87367	2.3894	-0.906	2.6745	-2.8551	6.154	-1.4473
12-Jul-94	01:53:51	14:53	893.83248	2.3353	-0.9601	2.7431	-2.7865	6.071	-1.5303
12-Jul-94	02:53:51	15:53	953.83296	2.3389	-0.9565	2.523	-3.0066	6.0493	-1.552
12-Jul-94	03:53:51	16:53	1013.832	2.3244	-0.971	2.6457	-2.8839	6.0349	-1.5664
12-Jul-94	04:53:51	17:53	1073.8325	2.3172	-0.9782	2.707	-2.8226	6.0313	-1.57
12-Jul-94	05:53:51	18:53	1133.833	2.3497	-0.9457	2.476	-3.0536	6.0313	-1.57
12-Jul-94	06:53:51	19:53	1193.832	2.3172	-0.9782	2.5157	-3.0139	6.0313	-1.57
12-Jul-94	07:53:51	20:53	1253.8325	2.3317	-0.9637	2.5879	-2.9417	6.024	-1.5773
12-Jul-94	08:53:51	21:53	1313.833	2.3425	-0.9529	2.6962	-2.8334	6.0204	-1.5809
12-Jul-94	09:53:52	22:53	1373.8349	2.3244	-0.971	2.6565	-2.8731	6.024	-1.5773
12-Jul-94	11:53:51	00:53	1493.833	2.3389	-0.9565	2.476	-3.0536	6.0385	-1.5628
12-Jul-94	13:53:51	02:53	1613.8325	2.3497	-0.9457	2.5627	-2.9669	6.0457	-1.5556
12-Jul-94	15:53:51	04:53	1733.832	2.3569	-0.9385	2.6565	-2.8731	6.0421	-1.5592
12-Jul-94	17:53:51	06:53	1853.833	2.3858	-0.9096	2.5771	-2.9525	6.0349	-1.5664
12-Jul-94	19:53:51	08:53	1973.8325	2.375	-0.9204	2.4435	-3.0861	6.0313	-1.57
12-Jul-94	21:53:51	10:53	2093.832	2.3822	-0.9132	2.5988	-2.9308	6.0168	-1.5845
12-Jul-94	23:53:51	12:53	2213.833	2.3678	-0.9276	2.4002	-3.1294	5.9988	-1.6025
13-Jul-94	01:53:51	14:53	2333.8325	2.3786	-0.9168	2.6673	-2.8623	5.9952	-1.6061
13-Jul-94	03:53:51	16:53	2453.832	2.375	-0.9204	2.4147	-3.1149	5.9771	-1.6242
13-Jul-94	05:53:51	18:53	2573.833	2.3786	-0.9168	2.6348	-2.8948	5.9771	-1.6242
13-Jul-94	07:53:51	20:53	2693.8325	2.4002	-0.8952	2.5193	-3.0103	5.9771	-1.6242

Date Wednesday July 13, 1994 8:48 AM

PlotFile A:WAEST001.PRN

DataFile A:WAEST01.WK1

WAESTRI SITE

Time of First Log in Specified Window

11-Jul-94 11:00:01

Date	Time	Elapsed Time (Min)	MW-9 ft	Static 7.5147	PZ-3 ft	Static 7.9045
11-Jul-94	11:00:01	00:00:00	0	7.5147	0	7.9045
11-Jul-94	11:00:07	00:00:05	0.08496	7.5147	0	7.9045
11-Jul-94	11:00:10	00:00:08	0.14112	7.5147	0	7.9045
11-Jul-94	11:00:13	00:00:12	0.19728	7.5183	0.0036	7.9118
11-Jul-94	11:00:18	00:00:17	0.27792	7.5183	0.0036	7.9045
11-Jul-94	11:00:22	00:00:20	0.33552	7.5183	0.0036	7.9045
11-Jul-94	11:00:25	00:00:24	0.39312	7.5147	0	7.9045
11-Jul-94	11:00:30	00:00:28	0.47232	7.5147	0	7.8973
11-Jul-94	11:00:33	00:00:32	0.52992	7.5147	0	7.8973
11-Jul-94	11:00:38	00:00:37	0.60912	7.5111	-0.0036	7.8973
11-Jul-94	11:00:41	00:00:40	0.66672	7.5111	-0.0036	7.9045
11-Jul-94	11:00:45	00:00:43	0.72288	7.5111	-0.0036	7.8973
11-Jul-94	11:00:50	00:00:48	0.80208	7.5111	-0.0036	7.9045
11-Jul-94	11:00:53	00:00:52	0.85968	7.5111	-0.0036	7.8973
11-Jul-94	11:00:56	00:00:55	0.91584	7.5147	0	7.9045
11-Jul-94	11:01:01	00:01:00	0.99648	7.5147	0	7.9045
11-Jul-94	11:01:05	00:01:03	1.05264	7.5147	0	7.9045
11-Jul-94	11:01:10	00:01:08	1.13472	7.5111	-0.0036	7.8973
11-Jul-94	11:01:13	00:01:11	1.19088	7.5147	0	7.8973
11-Jul-94	11:01:16	00:01:15	1.24704	7.5147	0	7.8901
11-Jul-94	11:01:21	00:01:20	1.32768	7.5147	0	7.8973
11-Jul-94	11:01:24	00:01:23	1.38384	7.5147	0	7.8973
11-Jul-94	11:01:28	00:01:26	1.44144	7.5147	0	7.8973
11-Jul-94	11:01:33	00:01:31	1.52208	7.5147	0	7.8973
11-Jul-94	11:01:36	00:01:35	1.57968	7.5111	-0.0036	7.8973
11-Jul-94	11:01:41	00:01:39	1.65744	7.5183	0.0036	7.8973
11-Jul-94	11:01:44	00:01:43	1.71648	7.5111	-0.0036	7.8973
11-Jul-94	11:03:51	00:03:50	3.83328	7.5147	0	7.8901
11-Jul-94	11:13:51	00:13:50	13.83264	7.4858	-0.0289	7.7024
11-Jul-94	11:23:51	00:23:50	23.832	7.4606	-0.0541	7.558
11-Jul-94	11:33:51	00:33:50	33.8328	7.4317	-0.083	7.4858
11-Jul-94	11:43:51	00:43:50	43.83216	7.4281	-0.0866	7.4498
11-Jul-94	11:53:52	00:53:50	53.8344	7.4173	-0.0974	7.4858
11-Jul-94	12:23:51	01:23:50	83.83248	7.3776	-0.1371	7.3776
11-Jul-94	12:53:51	01:53:50	113.832	7.3595	-0.1552	7.3415
11-Jul-94	13:23:51	02:23	143.83296	7.3415	-0.1732	7.3415
11-Jul-94	13:53:51	02:53	173.83248	7.327	-0.1877	7.3848
11-Jul-94	14:23:51	03:23	203.832	7.327	-0.1877	7.3848
11-Jul-94	14:53:51	03:53	233.83296	7.3198	-0.1949	7.4281
11-Jul-94	15:23:51	04:23	263.83248	7.3126	-0.2021	7.3848
11-Jul-94	15:53:51	04:53	293.832	7.309	-0.2057	7.457
11-Jul-94	16:23:51	05:23	323.83296	7.3054	-0.2093	7.4064
11-Jul-94	16:53:51	05:53	353.83248	7.3054	-0.2093	7.3776
11-Jul-94	17:23:51	06:23	383.832	7.3054	-0.2093	7.3776
11-Jul-94	17:53:51	06:53	413.83296	7.3054	-0.2093	7.3487

Date Wednesday July 13, 1994 8:48 AM

PlotFile A:\MAEST001.PRN

DataFile A:\MAEST01.WK1

MAESTRI SITE

Time of First Log in Specified Window

11-Jul-94 11:00:01

Date	Time	Elapsed Time (Min)	MW-9 ft	Static 7.5147	PZ-3 ft	Static 7.9045	
11-Jul-94	18:23:51	07:23	443.83248	7.3018	-0.2129	7.2982	-0.6063
11-Jul-94	18:53:51	07:53	473.832	7.2945	-0.2202	7.2621	-0.6424
11-Jul-94	19:23:51	08:23	503.83296	7.2873	-0.2274	7.1971	-0.7074
11-Jul-94	19:53:51	08:53	533.83392	7.2765	-0.2382	7.1393	-0.7652
11-Jul-94	20:53:51	09:53	593.83296	7.2657	-0.249	7.0888	-0.8157
11-Jul-94	21:53:51	10:53	653.832	7.244	-0.2707	6.9878	-0.9167
11-Jul-94	22:53:51	11:53	713.83248	7.2404	-0.2743	6.9878	-0.9167
11-Jul-94	23:53:51	12:53	773.83296	7.244	-0.2707	7.0599	-0.8446
12-Jul-94	00:53:51	13:53	833.87367	7.2621	-0.2526	7.0166	-0.8879
12-Jul-94	01:53:51	14:53	893.83248	7.2476	-0.2671	6.9878	-0.9167
12-Jul-94	02:53:51	15:53	953.83296	7.244	-0.2707	6.995	-0.9095
12-Jul-94	03:53:51	16:53	1013.832	7.2368	-0.2779	6.9805	-0.924
12-Jul-94	04:53:51	17:53	1073.8325	7.244	-0.2707	6.9878	-0.9167
12-Jul-94	05:53:51	18:53	1133.833	7.2368	-0.2779	6.995	-0.9095
12-Jul-94	06:53:51	19:53	1193.832	7.2368	-0.2779	6.9878	-0.9167
12-Jul-94	07:53:51	20:53	1253.8325	7.226	-0.2887	6.9878	-0.9167
12-Jul-94	08:53:51	21:53	1313.833	7.2188	-0.2959	7.0022	-0.9023
12-Jul-94	09:53:52	22:53	1373.8349	7.2079	-0.3068	7.0383	-0.8662
12-Jul-94	11:53:51	00:53	1493.833	7.2115	-0.3032	7.0672	-0.8373
12-Jul-94	13:53:51	02:53	1613.8325	7.2296	-0.2851	7.0672	-0.8373
12-Jul-94	15:53:51	04:53	1733.832	7.2332	-0.2815	7.0672	-0.8373
12-Jul-94	17:53:51	06:53	1853.833	7.2368	-0.2779	7.0527	-0.8518
12-Jul-94	19:53:51	08:53	1973.8325	-0.11911	-7.63381	10.871	2.9665
12-Jul-94	21:53:51	10:53	2093.832	-0.1155	-7.6302	10.871	2.9665
12-Jul-94	23:53:51	12:53	2213.833	-0.1155	-7.6302	10.864	2.9595
13-Jul-94	01:53:51	14:53	2333.8325	-0.11911	-7.63381	10.864	2.9595
13-Jul-94	03:53:51	16:53	2453.832	-0.1155	-7.6302	10.864	2.9595
13-Jul-94	05:53:51	18:53	2573.833	-0.1155	-7.6302	10.864	2.9595
13-Jul-94	07:53:51	20:53	2693.8325	-0.1155	-7.6302	10.85	2.9455

APPENDIX E

72-HOUR GROUND WATER ELEVATION DATA

MW-6

Static (DTW): 12.25
 Aquifer Thickness: 10.00
 Well Depth:
 Screen Length:
 Measuring Point: 409.26

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
17.00	12.25	397.01	0.00	0.00
22.00	12.25	397.01	0.00	0.00
27.00	12.26	397.00	0.01	0.01
32.00	12.27	396.99	0.02	0.02
37.00	12.27	396.99	0.02	0.02
42.00	12.28	396.98	0.03	0.03
47.00	12.28	396.98	0.03	0.03
52.00	12.29	396.97	0.04	0.04
57.00	12.29	396.97	0.04	0.04
62.00	12.30	396.96	0.05	0.05
72.00	12.31	396.95	0.06	0.06
82.00	12.32	396.94	0.07	0.07
92.00	12.33	396.93	0.08	0.08
102.00	12.34	396.92	0.09	0.09
112.00	12.36	396.90	0.11	0.11
122.00	12.37	396.89	0.12	0.12
152.00	12.38	396.88	0.13	0.13
182.00	12.39	396.87	0.14	0.14
212.00	12.40	396.86	0.15	0.15
242.00	12.41	396.85	0.16	0.16
272.00	12.41	396.85	0.16	0.16
302.00	12.40	396.86	0.15	0.15
332.00	12.41	396.85	0.16	0.16
362.00	12.43	396.83	0.18	0.18
392.00	12.41	396.85	0.16	0.16
422.00	12.43	396.83	0.18	0.18
452.00	12.44	396.82	0.19	0.19
482.00	12.46	396.80	0.21	0.21
512.00	12.46	396.80	0.21	0.21
550.00	12.45	396.81	0.20	0.20
610.00	12.46	396.80	0.21	0.21
670.00	12.48	396.78	0.23	0.23
730.00	12.48	396.78	0.23	0.23
790.00	12.47	396.79	0.22	0.22
850.00	12.47	396.79	0.22	0.22
910.00	12.49	396.77	0.24	0.24

MW-6

Static (DTW): 12.25
 Aquifer Thickness: 10.00
 Well Depth:
 Screen Length:
 Measuring Point: 409.26

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
970.00	12.49	396.77	0.24	0.24
1030.00	12.49	396.77	0.24	0.24
1090.00	12.49	396.77	0.24	0.24
1150.00	12.49	396.77	0.24	0.24
1210.00	12.50	396.76	0.25	0.25
1270.00	12.51	396.75	0.26	0.26
1330.00	12.51	396.75	0.26	0.26
1390.00	12.51	396.75	0.26	0.26
1450.00	12.52	396.74	0.27	0.27
1570.00	12.52	396.74	0.27	0.27
1687.00	12.52	396.74	0.27	0.27
1806.00	12.51	396.75	0.26	0.26
1929.00	12.53	396.73	0.28	0.28
2044.00	12.54	396.72	0.29	0.29
2164.00	12.55	396.71	0.30	0.30
2284.00	12.56	396.70	0.31	0.31
2404.00	12.58	396.68	0.33	0.32
2524.00	12.58	396.68	0.33	0.32
2644.00	12.59	396.67	0.34	0.33
2764.00	12.59	396.67	0.34	0.33
2884.00	12.59	396.67	0.34	0.33
3124.00	12.60	396.66	0.35	0.34
3367.00	12.62	396.64	0.37	0.36
3607.00	12.64	396.62	0.39	0.38
3847.00	12.65	396.61	0.40	0.39
4087.00	12.67	396.59	0.42	0.41
4299.00	12.67	396.59	0.42	0.41
6270.00	12.73	396.53	0.48	0.47
7410.00	12.79	396.47	0.54	0.53
8400.00	12.63	396.63	0.38	0.37
10080.00	12.60	396.66	0.35	0.34
11850.00	12.83	396.43	0.58	0.56
13260.00	12.86	396.40	0.61	0.59
14820.00	12.91	396.35	0.66	0.64
15900.00	12.95	396.31	0.70	0.68
17640.00	12.97	396.29	0.72	0.69

MW-6

Static (DTW): 12.25
Aquifer Thickness: 10.00
Well Depth:
Screen Length:
Measuring Point: 409.26

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
21930.00	13.13	396.13	0.88	0.84

MW-9

Static (DTW): 12.38
 Aquifer Thickness: 10.00
 Well Depth:
 Screen Length:
 Measuring Point: 407.70

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
21.00	12.40	395.30	0.02	0.02
24.00	12.44	395.26	0.06	0.06
28.00	12.45	395.25	0.07	0.07
32.50	12.46	395.24	0.08	0.08
38.50	12.47	395.23	0.09	0.09
43.00	12.48	395.22	0.10	0.10
49.00	12.50	395.20	0.12	0.12
52.50	12.50	395.20	0.12	0.12
57.00	12.50	395.20	0.12	0.12
62.50	12.50	395.20	0.12	0.12
72.00	12.51	395.19	0.13	0.13
82.50	12.53	395.17	0.15	0.15
92.00	12.53	395.17	0.15	0.15
102.00	12.54	395.16	0.16	0.16
112.00	12.55	395.15	0.17	0.17
122.50	12.56	395.14	0.18	0.18
156.00	12.56	395.14	0.18	0.18
185.00	12.57	395.13	0.19	0.19
215.00	12.57	395.13	0.19	0.19
245.00	12.58	395.12	0.20	0.20
275.00	12.58	395.12	0.20	0.20
305.00	12.58	395.12	0.20	0.20
335.00	12.59	395.11	0.21	0.21
365.00	12.59	395.11	0.21	0.21
395.00	12.59	395.11	0.21	0.21
425.00	12.59	395.11	0.21	0.21
455.00	12.60	395.10	0.22	0.22
485.00	12.60	395.10	0.22	0.22
515.00	12.61	395.09	0.23	0.23
556.00	12.62	395.08	0.24	0.24
616.00	12.63	395.07	0.25	0.25
676.00	12.67	395.03	0.29	0.29
736.00	12.68	395.02	0.30	0.30
796.00	12.65	395.05	0.27	0.27
856.00	12.63	395.07	0.25	0.25
916.00	12.65	395.05	0.27	0.27
976.00	12.66	395.04	0.28	0.28

MW-9

atic (DTW): 12.38
 Aquifer Thickness: 10.00
 Well Depth:
 Screen Length:
 Measuring Point: 407.70

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
1036.00	12.66	395.04	0.28	0.28
1096.00	12.66	395.04	0.28	0.28
1156.00	12.66	395.04	0.28	0.28
1216.00	12.67	395.03	0.29	0.29
1276.00	12.68	395.02	0.30	0.30
1336.00	12.68	395.02	0.30	0.30
1396.00	12.69	395.01	0.31	0.31
1457.00	12.69	395.01	0.31	0.31
1572.00	12.67	395.03	0.29	0.29
1691.00	12.67	395.03	0.29	0.29
1809.00	12.65	395.05	0.27	0.27
1932.00	12.68	395.02	0.30	0.30
2047.00	12.68	395.02	0.30	0.30
2167.00	12.71	394.99	0.33	0.32
2287.00	12.71	394.99	0.33	0.32
2407.00	12.72	394.98	0.34	0.33
2527.00	12.73	394.97	0.35	0.34
2647.00	12.76	394.94	0.38	0.37
2767.00	12.75	394.95	0.37	0.36
2887.00	12.74	394.96	0.36	0.35
3127.00	12.74	394.96	0.36	0.35
3370.00	12.75	394.95	0.37	0.36
3610.00	12.72	394.98	0.34	0.33
3850.00	12.82	394.88	0.44	0.43
4090.00	12.83	394.87	0.45	0.44
4302.00	12.80	394.90	0.42	0.41
6270.00	12.88	394.82	0.50	0.49
7410.00	12.98	394.72	0.60	0.58
8400.00	12.74	394.96	0.36	0.35
10080.00	12.78	394.92	0.40	0.39
11850.00	12.89	394.81	0.51	0.50
13260.00	13.02	394.68	0.64	0.62
14820.00	13.07	394.63	0.69	0.67
15900.00	13.13	394.57	0.75	0.72
17640.00	13.17	394.53	0.79	0.76
1930.00	13.32	394.38	0.94	0.90

MW-10

Static (DTW): 12.94
 Aquifer Thickness: 7.00
 Well Depth:
 Screen Length:
 Measuring Point: 413.89

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
34.00	12.87	401.02	-0.07	-0.07
73.00	12.88	401.01	-0.06	-0.06
107.50	12.88	401.01	-0.06	-0.06
137.50	12.90	400.99	-0.04	-0.04
190.00	12.90	400.99	-0.04	-0.04
274.00	12.90	400.99	-0.04	-0.04
339.00	12.89	401.00	-0.05	-0.05
443.00	12.92	400.97	-0.02	-0.02
576.00	12.92	400.97	-0.02	-0.02
636.00	12.92	400.97	-0.02	-0.02
696.00	12.94	400.95	0.00	0.00
756.00	12.93	400.96	-0.01	-0.01
816.00	12.93	400.96	-0.01	-0.01
876.00	12.93	400.96	-0.01	-0.01
936.00	12.93	400.96	-0.01	-0.01
996.00	12.93	400.96	-0.01	-0.01
1056.00	12.92	400.97	-0.02	-0.02
1116.00	12.92	400.97	-0.02	-0.02
1176.00	12.92	400.97	-0.02	-0.02
1236.00	12.92	400.97	-0.02	-0.02
1296.00	12.92	400.97	-0.02	-0.02
1356.00	12.93	400.96	-0.01	-0.01
1416.00	12.93	400.96	-0.01	-0.01
1467.00	12.94	400.95	0.00	0.00
1586.00	12.94	400.95	0.00	0.00
1707.00	12.91	400.98	-0.03	-0.03
1825.00	12.91	400.98	-0.03	-0.03
1948.00	12.92	400.97	-0.02	-0.02
2063.00	12.93	400.96	-0.01	-0.01
2183.00	12.94	400.95	0.00	0.00
2303.00	12.95	400.94	0.01	0.01
2423.00	12.97	400.92	0.03	0.03
2543.00	12.97	400.92	0.03	0.03
2663.00	13.00	400.89	0.06	0.06
2783.00	13.00	400.89	0.06	0.06
2903.00	13.01	400.88	0.07	0.07

MW-10

Static (DTW): 12.94
Aquifer Thickness: 7.00
Well Depth:
Screen Length:
Measuring Point: 413.89

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
3143.00	13.03	400.86	0.09	0.09
3383.00	13.04	400.85	0.10	0.10
3623.00	13.05	400.84	0.11	0.11
3863.00	13.05	400.84	0.11	0.11
4103.00	13.06	400.83	0.12	0.12
4307.00	13.05	400.84	0.11	0.11
6270.00	13.16	400.73	0.22	0.22
7410.00	13.24	400.65	0.30	0.29
8400.00	13.28	400.61	0.34	0.33
10080.00	13.36	400.53	0.42	0.41
11850.00	13.48	400.41	0.54	0.52
13260.00	13.55	400.34	0.61	0.58
14820.00	13.63	400.26	0.69	0.66
15900.00	13.72	400.17	0.78	0.74
17640.00	13.75	400.14	0.81	0.76
21930.00	14.04	399.85	1.10	1.01

MW-12

Static (DTW): 11.92
 Aquifer Thickness: 9.00
 Well Depth:
 Screen Length:
 Measuring Point: 418.34

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
36.00	11.86	406.48	-0.06	-0.06
76.00	11.90	406.44	-0.02	-0.02
110.00	11.89	406.45	-0.03	-0.03
140.00	11.89	406.45	-0.03	-0.03
192.00	11.89	406.45	-0.03	-0.03
277.00	11.88	406.46	-0.04	-0.04
342.00	11.92	406.42	0.00	0.00
446.00	11.93	406.41	0.01	0.01
515.00	11.93	406.41	0.01	0.01
635.00	11.93	406.41	0.01	0.01
695.00	11.92	406.42	0.00	0.00
755.00	11.93	406.41	0.01	0.01
815.00	11.93	406.41	0.01	0.01
875.00	11.94	406.40	0.02	0.02
935.00	11.93	406.41	0.01	0.01
995.00	11.93	406.41	0.01	0.01
1055.00	11.94	406.40	0.02	0.02
1115.00	11.94	406.40	0.02	0.02
1175.00	11.94	406.40	0.02	0.02
1235.00	11.94	406.40	0.02	0.02
1295.00	11.95	406.39	0.03	0.03
1355.00	11.95	406.39	0.03	0.03
1415.00	11.95	406.39	0.03	0.03
1466.00	11.95	406.39	0.03	0.03
1585.00	11.94	406.40	0.02	0.02
1706.00	11.95	406.39	0.03	0.03
1824.00	11.94	406.40	0.02	0.02
1947.00	11.95	406.39	0.03	0.03
2062.00	11.96	406.38	0.04	0.04
2182.00	11.96	406.38	0.04	0.04
2302.00	11.96	406.38	0.04	0.04
2422.00	11.97	406.37	0.05	0.05
2542.00	11.97	406.37	0.05	0.05
2662.00	11.98	406.36	0.06	0.06
2782.00	11.99	406.35	0.07	0.07
2902.00	11.99	406.35	0.07	0.07

MW-12

Static (DTW): 11.92
 Aquifer Thickness: 9.00
 Well Depth:
 Screen Length:
 Measuring Point: 418.34

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
3142.00	12.00	406.34	0.08	0.08
3382.00	12.02	406.32	0.10	0.10
3622.00	12.03	406.31	0.11	0.11
3862.00	12.04	406.30	0.12	0.12
4102.00	12.05	406.29	0.13	0.13
4306.00	12.06	406.28	0.14	0.14
6270.00	12.13	406.21	0.21	0.21
7410.00	12.19	406.15	0.27	0.27
8400.00	12.21	406.13	0.29	0.29
10080.00	12.28	406.06	0.36	0.35
11850.00	12.37	405.97	0.45	0.44
13260.00	12.39	405.95	0.47	0.46
14820.00	12.45	405.89	0.53	0.51
15900.00	12.48	405.86	0.56	0.54
17640.00	12.49	405.85	0.57	0.55
21930.00	12.72	405.62	0.80	0.76

MW-14

Static (DTW): 17.18
 Aquifer Thickness: 7.00
 Well Depth:
 Screen Length:
 Measuring Point: 405.18

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
159.00	18.08	387.10	0.90	0.84
189.00	18.10	387.08	0.92	0.86
219.00	18.10	387.08	0.92	0.86
249.00	18.12	387.06	0.94	0.88
279.00	18.14	387.04	0.96	0.89
309.00	18.16	387.02	0.98	0.91
339.00	18.16	387.02	0.98	0.91
369.00	18.18	387.00	1.00	0.93
399.00	18.18	387.00	1.00	0.93
429.00	18.17	387.01	0.99	0.92
459.00	18.19	386.99	1.01	0.94
489.00	18.19	386.99	1.01	0.94
519.00	18.20	386.98	1.02	0.95
542.00	18.22	386.96	1.04	0.96
602.00	18.22	386.96	1.04	0.96
662.00	18.20	386.98	1.02	0.95
722.00	18.22	386.96	1.04	0.96
782.00	17.64	387.54	0.46	0.44
842.00	18.13	387.05	0.95	0.89
902.00	18.18	387.00	1.00	0.93
962.00	18.18	387.00	1.00	0.93
1022.00	18.18	387.00	1.00	0.93
1082.00	18.21	386.97	1.03	0.95
1142.00	18.17	387.01	0.99	0.92
1202.00	18.16	387.02	0.98	0.91
1262.00	18.17	387.01	0.99	0.92
1322.00	18.15	387.03	0.97	0.90
1382.00	18.17	387.01	0.99	0.92
1442.00	18.16	387.02	0.98	0.91
1562.00	18.16	387.02	0.98	0.91
1682.00	18.14	387.04	0.96	0.89
1801.00	18.15	387.03	0.97	0.90
1926.00	18.15	387.03	0.97	0.90
2041.00	18.15	387.03	0.97	0.90
2161.00	18.13	387.05	0.95	0.89
2281.00	18.15	387.03	0.97	0.90

MW-14

Static (DTW): 17.18
 Aquifer Thickness: 7.00
 Well Depth:
 Screen Length:
 Measuring Point: 405.18

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
2401.00	18.16	387.02	0.98	0.91
2521.00	18.11	387.07	0.93	0.87
2641.00	18.14	387.04	0.96	0.89
2761.00	18.12	387.06	0.94	0.88
2881.00	18.14	387.04	0.96	0.89
3121.00	18.12	387.06	0.94	0.88
3361.00	18.15	387.03	0.97	0.90
3601.00	18.14	387.04	0.96	0.89
3841.00	18.15	387.03	0.97	0.90
4081.00	18.16	387.02	0.98	0.91
4296.00	18.15	387.03	0.97	0.90
6270.00	18.29	386.89	1.11	1.02
7410.00	17.88	387.30	0.70	0.66
8400.00	17.28	387.90	0.10	0.10
10080.00	18.09	387.09	0.91	0.85
11850.00	18.35	386.83	1.17	1.07
13260.00	18.27	386.91	1.09	1.01
14820.00	18.25	386.93	1.07	0.99
15900.00	18.22	386.96	1.04	0.96
17640.00	18.22	386.96	1.04	0.96
21930.00	18.20	386.98	1.02	0.95

MW-16

Static (DTW): 5.52
 Aquifer Thickness: 17.00
 Well Depth:
 Screen Length:
 Measuring Point: 390.57

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
391.00	5.48	385.09	-0.04	-0.04
510.00	5.50	385.07	-0.02	-0.02
630.00	5.49	385.08	-0.03	-0.03
690.00	5.50	385.07	-0.02	-0.02
750.00	5.48	385.09	-0.04	-0.04
810.00	5.48	385.09	-0.04	-0.04
870.00	5.47	385.10	-0.05	-0.05
930.00	5.47	385.10	-0.05	-0.05
990.00	5.47	385.10	-0.05	-0.05
1050.00	5.45	385.12	-0.07	-0.07
1110.00	5.46	385.11	-0.06	-0.06
1170.00	5.45	385.12	-0.07	-0.07
1230.00	5.45	385.12	-0.07	-0.07
1290.00	5.45	385.12	-0.07	-0.07
1350.00	5.45	385.12	-0.07	-0.07
1410.00	5.45	385.12	-0.07	-0.07
1464.00	5.45	385.12	-0.07	-0.07
1521.00	5.43	385.14	-0.09	-0.09
1581.00	5.43	385.14	-0.09	-0.09
1703.00	5.42	385.15	-0.10	-0.10
1821.00	5.41	385.16	-0.11	-0.11
1945.00	5.41	385.16	-0.11	-0.11
2060.00	5.40	385.17	-0.12	-0.12
2180.00	5.39	385.18	-0.13	-0.13
2300.00	5.38	385.19	-0.14	-0.14
2420.00	5.38	385.19	-0.14	-0.14
2540.00	5.39	385.18	-0.13	-0.13
2660.00	5.38	385.19	-0.14	-0.14
2780.00	5.38	385.19	-0.14	-0.14
2900.00	5.38	385.19	-0.14	-0.14
3110.00	5.38	385.19	-0.14	-0.14
3380.00	5.39	385.18	-0.13	-0.13
3620.00	5.40	385.17	-0.12	-0.12
3860.00	5.41	385.16	-0.11	-0.11
4100.00	5.42	385.15	-0.10	-0.10
4312.00	5.40	385.17	-0.12	-0.12

MW-16

Static (DTW): 5.52
Aquifer Thickness: 17.00
Well Depth:
Screen Length:
Measuring Point: 390.57

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
6270.00	5.64	384.93	0.12	0.12
7410.00	5.69	384.88	0.17	0.17
8400.00	5.62	384.95	0.10	0.10
10080.00	5.65	384.92	0.13	0.13
11850.00	5.80	384.77	0.28	0.28
13260.00	5.78	384.79	0.26	0.26
14820.00	5.76	384.81	0.24	0.24
15900.00	5.76	384.81	0.24	0.24
17640.00	5.77	384.80	0.25	0.25
21930.00	5.78	384.79	0.26	0.26

MW-17

Static (DTW): 6.64
 Aquifer Thickness: 10.00
 Well Depth:
 Screen Length:
 Measuring Point: 393.26

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
409.00	6.64	386.62	0.00	0.00
566.00	6.64	386.62	0.00	0.00
626.00	6.65	386.61	0.01	0.01
686.00	6.65	386.61	0.01	0.01
746.00	6.64	386.62	0.00	0.00
806.00	6.63	386.63	-0.01	-0.01
866.00	6.64	386.62	0.00	0.00
926.00	6.64	386.62	0.00	0.00
986.00	6.63	386.63	-0.01	-0.01
1046.00	6.63	386.63	-0.01	-0.01
1106.00	6.63	386.63	-0.01	-0.01
1160.00	6.62	386.64	-0.02	-0.02
1220.00	6.62	386.64	-0.02	-0.02
1280.00	6.63	386.63	-0.01	-0.01
1390.00	6.62	386.64	-0.02	-0.02
1400.00	6.63	386.63	-0.01	-0.01
1463.00	6.62	386.64	-0.02	-0.02
1576.00	6.60	386.66	-0.04	-0.04
1698.00	6.59	386.67	-0.05	-0.05
1817.00	6.59	386.67	-0.05	-0.05
1940.00	6.59	386.67	-0.05	-0.05
2055.00	6.59	386.67	-0.05	-0.05
2175.00	6.58	386.68	-0.06	-0.06
2295.00	6.59	386.67	-0.05	-0.05
2415.00	6.59	386.67	-0.05	-0.05
2535.00	6.58	386.68	-0.06	-0.06
2655.00	6.60	386.66	-0.04	-0.04
2775.00	6.58	386.68	-0.06	-0.06
2895.00	6.58	386.68	-0.06	-0.06
3135.00	6.56	386.70	-0.08	-0.08
3376.00	6.58	386.68	-0.06	-0.06
3616.00	6.58	386.68	-0.06	-0.06
3856.00	6.58	386.68	-0.06	-0.06
4096.00	6.60	386.66	-0.04	-0.04
4308.00	6.60	386.66	-0.04	-0.04
6270.00	7.18	386.08	0.54	0.53

MW-17

Static (DTW): 6.64
Aquifer Thickness: 10.00
Well Depth:
Screen Length:
Measuring Point: 393.26

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
7410.00	7.17	386.09	0.53	0.52
8400.00	6.79	386.47	0.15	0.15
10080.00	6.89	386.37	0.25	0.25
11850.00	7.27	385.99	0.63	0.61
13260.00	7.26	386.00	0.62	0.60
14820.00	7.26	386.00	0.62	0.60
15900.00	7.26	386.00	0.62	0.60
17640.00	7.26	386.00	0.62	0.60
21930.00	7.28	385.98	0.64	0.62

MW-18

Static (DTW): 3.23
 Aquifer Thickness: 12.00
 Well Depth:
 Screen Length:
 Measuring Point: 393.59

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
403.00	3.14	390.45	-0.09	-0.09
567.00	3.17	390.42	-0.06	-0.06
627.00	3.18	390.41	-0.05	-0.05
687.00	3.20	390.39	-0.03	-0.03
747.00	3.20	390.39	-0.03	-0.03
807.00	3.20	390.39	-0.03	-0.03
867.00	3.19	390.40	-0.04	-0.04
927.00	3.20	390.39	-0.03	-0.03
987.00	3.20	390.39	-0.03	-0.03
1047.00	3.18	390.41	-0.05	-0.05
1107.00	3.19	390.40	-0.04	-0.04
1167.00	3.19	390.40	-0.04	-0.04
1227.00	3.18	390.41	-0.05	-0.05
1287.00	3.20	390.39	-0.03	-0.03
1347.00	3.20	390.39	-0.03	-0.03
1407.00	3.21	390.38	-0.02	-0.02
1463.00	3.20	390.39	-0.03	-0.03
1577.00	3.18	390.41	-0.05	-0.05
1699.00	3.19	390.40	-0.04	-0.04
1818.00	3.18	390.41	-0.05	-0.05
1941.00	3.21	390.38	-0.02	-0.02
2056.00	3.21	390.38	-0.02	-0.02
2176.00	3.22	390.37	-0.01	-0.01
2296.00	3.23	390.36	0.00	0.00
2416.00	3.23	390.36	0.00	0.00
2536.00	3.25	390.34	0.02	0.02
2656.00	3.26	390.33	0.03	0.03
2776.00	3.26	390.33	0.03	0.03
2896.00	3.27	390.32	0.04	0.04
3136.00	3.25	390.34	0.02	0.02
3377.00	3.28	390.31	0.05	0.05
3617.00	3.30	390.29	0.07	0.07
3857.00	3.31	390.28	0.08	0.08
4097.00	3.33	390.26	0.10	0.10
4309.00	3.33	390.26	0.10	0.10
6270.00	3.40	390.19	0.17	0.17

MW-18

Static (DTW): 3.23
Aquifer Thickness: 12.00
Well Depth:
Screen Length:
Measuring Point: 393.59

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
7410.00	3.38	390.21	0.15	0.15
8400.00	3.47	390.12	0.24	0.24
10080.00	3.48	390.11	0.25	0.25
11850.00	3.57	390.02	0.34	0.34
13260.00	3.61	389.98	0.38	0.37
14820.00	3.66	389.93	0.43	0.42
15900.00	3.70	389.89	0.47	0.46
17640.00	3.72	389.87	0.49	0.48
21930.00	3.87	389.72	0.64	0.62

MW-20

Static (DTW): 1.55
 Aquifer Thickness: 13.00
 Well Depth:
 Screen Length:
 Measuring Point: 386.59

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
41.00	1.55	385.04	0.00	0.00
81.00	1.55	385.04	0.00	0.00
115.00	1.55	385.04	0.00	0.00
145.00	1.55	385.04	0.00	0.00
197.00	1.55	385.04	0.00	0.00
281.00	1.54	385.05	-0.01	-0.01
385.00	1.54	385.05	-0.01	-0.01
568.00	1.53	385.06	-0.02	-0.02
628.00	1.54	385.05	-0.01	-0.01
688.00	1.54	385.05	-0.01	-0.01
748.00	1.54	385.05	-0.01	-0.01
808.00	1.53	385.06	-0.02	-0.02
868.00	1.52	385.07	-0.03	-0.03
928.00	1.52	385.07	-0.03	-0.03
988.00	1.51	385.08	-0.04	-0.04
1048.00	1.50	385.09	-0.05	-0.05
1108.00	1.50	385.09	-0.05	-0.05
1168.00	1.50	385.09	-0.05	-0.05
1228.00	1.50	385.09	-0.05	-0.05
1288.00	1.50	385.09	-0.05	-0.05
1348.00	1.49	385.10	-0.06	-0.06
1411.00	1.49	385.10	-0.06	-0.06
1464.00	1.48	385.11	-0.07	-0.07
1579.00	1.47	385.12	-0.08	-0.08
1701.00	1.46	385.13	-0.09	-0.09
1819.00	1.45	385.14	-0.10	-0.10
1943.00	1.45	385.14	-0.10	-0.10
2058.00	1.44	385.15	-0.11	-0.11
2178.00	1.43	385.16	-0.12	-0.12
2298.00	1.42	385.17	-0.13	-0.13
2418.00	1.42	385.17	-0.13	-0.13
2528.00	1.42	385.17	-0.13	-0.13
2688.00	1.42	385.17	-0.13	-0.13
2778.00	1.42	385.17	-0.13	-0.13
2898.00	1.43	385.16	-0.12	-0.12
3138.00	1.41	385.18	-0.14	-0.14

MW-20

Static (DTW): 1.55
 Aquifer Thickness: 13.00
 Well Depth:
 Screen Length:
 Measuring Point: 386.59

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
3378.00	1.43	385.16	-0.12	-0.12
3618.00	1.44	385.15	-0.11	-0.11
3858.00	1.44	385.15	-0.11	-0.11
4098.00	1.44	385.15	-0.11	-0.11
4311.00	1.44	385.15	-0.11	-0.11
6270.00	1.68	384.91	0.13	0.13
7410.00	1.72	384.87	0.17	0.17
8400.00	1.66	384.93	0.11	0.11
10080.00	1.69	384.90	0.14	0.14
11850.00	1.85	384.74	0.30	0.30
13260.00	1.83	384.76	0.28	0.28
14820.00	1.81	384.78	0.26	0.26
15900.00	1.80	384.79	0.25	0.25
17640.00	1.81	384.78	0.26	0.26
21930.00	1.81	384.78	0.26	0.26

MW-21

Static (DTW): 3.23
 Aquifer Thickness: 12.00
 Well Depth:
 Screen Length:
 Measuring Point: 385.70

TIME (min)	DTW (feet)	Elevatio (feet)	Drawdo (feet)	Drawdo Correcte
382.00	3.22	382.48	-0.01	-0.01
569.00	3.22	382.48	-0.01	-0.01
629.00	3.25	382.45	0.02	0.02
689.00	3.21	382.49	-0.02	-0.02
749.00	3.22	382.48	-0.01	-0.01
809.00	3.21	382.49	-0.02	-0.02
869.00	3.24	382.46	0.01	0.01
929.00	3.24	382.46	0.01	0.01
989.00	3.25	382.45	0.02	0.02
1049.00	3.23	382.47	0.00	0.00
1109.00	3.27	382.43	0.04	0.04
1169.00	3.26	382.44	0.03	0.03
1229.00	3.25	382.45	0.02	0.02
1289.00	3.26	382.44	0.03	0.03
1349.00	3.24	382.46	0.01	0.01
1410.00	3.25	382.45	0.02	0.02
1464.00	3.26	382.44	0.03	0.03
1579.00	3.24	382.46	0.01	0.01
1702.00	3.21	382.49	-0.02	-0.02
1820.00	3.23	382.47	0.00	0.00
1944.00	3.21	382.49	-0.02	-0.02
2059.00	3.18	382.52	-0.05	-0.05
2179.00	3.18	382.52	-0.05	-0.05
2298.00	3.16	382.54	-0.07	-0.07
2419.00	3.18	382.52	-0.05	-0.05
2539.00	3.21	382.49	-0.02	-0.02
2659.00	3.21	382.49	-0.02	-0.02
2779.00	3.19	382.51	-0.04	-0.04
2899.00	3.22	382.48	-0.01	-0.01
3139.00	3.25	382.45	0.02	0.02
3378.00	3.25	382.45	0.02	0.02
3618.00	3.29	382.41	0.06	0.06
3858.00	3.29	382.41	0.06	0.06
4098.00	3.31	382.39	0.08	0.08
4310.00	3.31	382.39	0.08	0.08
6270.00	3.39	382.31	0.16	0.16

MW-21

Static (DTW): 3.23
Aquifer Thickness: 12.00
Well Depth:
Screen Length:
Measuring Point: 385.70

TIME (min)	DTW (feet)	Elevatio (feet)	Drawdo (feet)	Drawdo Correcte
7410.00	3.45	382.25	0.22	0.22
8400.00	3.45	382.25	0.22	0.22
10080.00	3.44	382.26	0.21	0.21
11850.00	3.54	382.16	0.31	0.31
13260.00	3.53	382.17	0.30	0.30
14820.00	3.54	382.16	0.31	0.31
15900.00	3.55	382.15	0.32	0.32
17640.00	3.55	382.15	0.32	0.32
21930.00	3.63	382.07	0.40	0.39

PZ-1

Static (DTW): 18.78
 Aquifer Thickness: 4.00
 Well Depth:
 Screen Length: 10.00
 Measuring Point: 407.03

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
17.00	19.48	387.55	0.70	0.64
22.00	19.56	387.47	0.78	0.70
28.00	19.77	387.26	0.99	0.87
33.00	19.81	387.22	1.03	0.90
38.00	19.88	387.15	1.10	0.95
43.00	19.96	387.07	1.18	1.01
48.00	20.06	386.97	1.28	1.08
53.00	20.15	386.88	1.37	1.14
58.00	20.23	386.80	1.45	1.19
63.00	20.30	386.73	1.52	1.23
73.00	20.45	386.58	1.67	1.32
83.00	20.58	386.45	1.80	1.39
93.00	20.69	386.34	1.91	1.45
103.00	20.79	386.24	2.01	1.50
113.00	20.89	386.14	2.11	1.55
123.00	20.98	386.05	2.20	1.59
153.00	21.22	385.81	2.44	1.70
183.00	21.35	385.68	2.57	1.74
213.00	21.46	385.57	2.68	1.78
243.00	21.38	385.65	2.60	1.75
273.00	21.38	385.65	2.60	1.75
303.00	21.56	385.47	2.78	1.81
333.00	21.57	385.46	2.79	1.82
363.00	21.57	385.46	2.79	1.82
393.00	21.51	385.52	2.73	1.80
423.00	21.42	385.61	2.64	1.77
453.00	21.52	385.51	2.74	1.80
483.00	21.55	385.48	2.77	1.81
513.00	21.58	385.45	2.80	1.82
547.00	21.67	385.36	2.89	1.85
607.00	21.68	385.35	2.90	1.85
667.00	21.75	385.28	2.97	1.87
727.00	21.56	385.47	2.78	1.81
787.00	21.16	385.87	2.38	1.67
847.00	21.72	385.31	2.94	1.86
907.00	21.62	385.41	2.84	1.83
967.00	21.69	385.34	2.91	1.85

PZ-1

Static (DTW): 3.78
 Aquifer Thickness: 4.00
 Well Depth:
 Screen Length: 0.00
 Measuring Point: 407.03

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
1027.00	21.80	385.23	3.02	1.88
1087.00	21.71	385.32	2.93	1.86
1197.00	21.58	385.45	2.80	1.82
1207.00	21.76	385.27	2.98	1.87
1267.00	21.86	385.17	3.08	1.89
1327.00	21.80	385.23	3.02	1.88
1387.00	21.69	385.34	2.91	1.85
1447.00	21.69	385.34	2.91	1.85
1567.00	21.84	385.19	3.06	1.89
1686.00	21.87	385.16	3.09	1.90
1805.00	21.69	385.34	2.91	1.85
1928.00	21.82	385.21	3.04	1.88
2043.00	21.64	385.39	2.86	1.84
2163.00	21.71	385.32	2.93	1.86
2283.00	21.91	385.12	3.13	1.91
2403.00	21.75	385.28	2.97	1.87
2523.00	21.93	385.10	3.15	1.91
2643.00	21.71	385.32	2.93	1.86
2763.00	21.78	385.25	3.00	1.88
2883.00	21.89	385.14	3.11	1.90
3123.00	21.87	385.16	3.09	1.90
3364.00	21.91	385.12	3.13	1.91
3604.00	21.94	385.09	3.16	1.91
3844.00	21.96	385.07	3.18	1.92
4083.00	21.70	385.33	2.92	1.85
4297.00	21.67	385.36	2.89	1.85
6270.00	21.87	385.16	3.09	1.90
7410.00	21.63	385.40	2.85	1.83
8400.00	19.78	387.25	1.00	0.88
10080.00	20.65	386.38	1.87	1.43
11850.00	21.83	385.20	3.05	1.89
13260.00	21.91	385.12	3.13	1.91
14820.00	21.87	385.16	3.09	1.90
15900.00	21.88	385.15	3.10	1.90
17640.00	21.90	385.13	3.12	1.90
21930.00	21.77	385.26	2.99	1.87

PZ-2

Static (DTW): 13.17
 Aquifer Thickness: 6.50
 Well Depth:
 Screen Length:
 Measuring Point: 407.27

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
33.00	13.44	393.83	0.27	0.26
38.00	13.48	393.79	0.31	0.30
43.00	13.54	393.73	0.37	0.36
48.00	13.59	393.68	0.42	0.41
53.00	13.63	393.64	0.46	0.44
58.00	13.67	393.60	0.50	0.48
63.00	13.72	393.55	0.55	0.53
73.00	13.76	393.51	0.59	0.56
83.00	13.81	393.46	0.64	0.61
93.00	13.85	393.42	0.68	0.64
103.00	13.89	393.38	0.72	0.68
113.00	13.93	393.34	0.76	0.72
123.00	13.96	393.31	0.79	0.74
153.00	14.05	393.22	0.88	0.82
183.00	14.13	393.14	0.96	0.89
213.00	14.19	393.08	1.02	0.94
243.00	14.25	393.02	1.08	0.99
273.00	14.30	392.97	1.13	1.03
303.00	14.35	392.92	1.18	1.07
333.00	14.39	392.88	1.22	1.11
363.00	14.44	392.83	1.27	1.15
393.00	14.47	392.80	1.30	1.17
423.00	14.49	392.78	1.32	1.19
453.00	14.52	392.75	1.35	1.21
483.00	14.56	392.71	1.39	1.24
513.00	14.60	392.67	1.43	1.27
552.00	14.62	392.65	1.45	1.29
612.00	14.64	392.63	1.47	1.30
672.00	14.70	392.57	1.53	1.35
732.00	14.72	392.55	1.55	1.37
792.00	14.61	392.66	1.44	1.28
852.00	14.64	392.63	1.47	1.30
912.00	14.70	392.57	1.53	1.35
972.00	14.72	392.55	1.55	1.37
1032.00	14.72	392.55	1.55	1.37
1092.00	14.74	392.53	1.57	1.38
1152.00	14.74	392.53	1.57	1.38

PZ-2

Static (DTW): 13.17
 Aquifer Thickness: 6.50
 Well Depth:
 Screen Length:
 Measuring Point: 407.27

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
1212.00	14.74	392.53	1.57	1.38
1272.00	14.74	392.53	1.57	1.38
1322.00	14.74	392.53	1.57	1.38
1382.00	14.73	392.54	1.56	1.37
1452.00	14.73	392.54	1.56	1.37
1570.00	14.72	392.55	1.55	1.37
1689.00	14.72	392.55	1.55	1.37
1808.00	14.72	392.55	1.55	1.37
1931.00	14.73	392.54	1.56	1.37
2046.00	14.73	392.54	1.56	1.37
2166.00	14.75	392.52	1.58	1.39
2286.00	14.76	392.51	1.59	1.40
2406.00	14.77	392.50	1.60	1.40
2526.00	14.78	392.49	1.61	1.41
2646.00	14.79	392.48	1.62	1.42
2766.00	14.80	392.47	1.63	1.43
2886.00	14.81	392.46	1.64	1.43
3126.00	14.80	392.47	1.63	1.43
3368.00	14.81	392.46	1.64	1.43
3608.00	14.84	392.43	1.67	1.46
3848.00	14.86	392.41	1.69	1.47
4088.00	14.85	392.42	1.68	1.46
4300.00	14.82	392.45	1.65	1.44
6270.00	14.80	392.47	1.63	1.43
7410.00	14.77	392.50	1.60	1.40
8400.00	13.81	393.46	0.64	0.61
10080.00	13.89	393.38	0.72	0.68
11850.00	15.02	392.25	1.85	1.59
13260.00	15.03	392.24	1.86	1.59
14820.00	15.03	392.24	1.86	1.59
15900.00	15.04	392.23	1.87	1.60
17640.00	15.05	392.22	1.88	1.61
21930.00	15.09	392.18	1.92	1.64

PZ-3

Static (DTW): 13.86
 Aquifer Thickness: 8.50
 Well Depth:
 Screen Length:
 Measuring Point: 409.64

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
8.50	13.97	395.67	0.11	0.11
17.00	14.16	395.48	0.30	0.29
24.00	14.24	395.40	0.38	0.37
33.00	14.29	395.35	0.43	0.42
38.50	14.31	395.33	0.45	0.44
44.00	14.32	395.32	0.46	0.45
49.00	14.33	395.31	0.47	0.46
54.00	14.33	395.31	0.47	0.46
60.00	14.35	395.29	0.49	0.48
72.00	14.35	395.29	0.49	0.48
82.00	14.36	395.28	0.50	0.49
93.00	14.36	395.28	0.50	0.49
102.00	14.36	395.28	0.50	0.49
112.00	14.37	395.27	0.51	0.49
122.00	14.37	395.27	0.51	0.49
162.00	14.38	395.26	0.52	0.50
191.00	14.38	395.26	0.52	0.50
221.00	14.38	395.26	0.52	0.50
251.00	14.38	395.26	0.52	0.50
281.00	14.38	395.26	0.52	0.50
311.00	14.38	395.26	0.52	0.50
341.00	14.38	395.26	0.52	0.50
371.00	14.39	395.25	0.53	0.51
401.00	14.39	395.25	0.53	0.51
431.00	14.40	395.24	0.54	0.52
461.00	14.40	395.24	0.54	0.52
491.00	14.40	395.24	0.54	0.52
521.00	14.41	395.23	0.55	0.53
561.00	14.41	395.23	0.55	0.53
621.00	14.41	395.23	0.55	0.53
681.00	14.42	395.22	0.56	0.54
741.00	14.42	395.22	0.56	0.54
801.00	14.22	395.42	0.36	0.35
861.00	14.42	395.22	0.56	0.54
921.00	14.43	395.21	0.57	0.55
981.00	14.43	395.21	0.57	0.55
1041.00	14.43	395.21	0.57	0.55

PZ-3

Static (DTW): 13.86
 Aquifer Thickness: 8.50
 Well Depth:
 Screen Length:
 Measuring Point: 409.64

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
1101.00	14.42	395.22	0.56	0.54
1161.00	14.43	395.21	0.57	0.55
1221.00	14.43	395.21	0.57	0.55
1281.00	14.44	395.20	0.58	0.56
1341.00	14.44	395.20	0.58	0.56
1401.00	14.43	395.21	0.57	0.55
1460.00	14.44	395.20	0.58	0.56
1573.00	14.43	395.21	0.57	0.55
1694.00	14.44	395.20	0.58	0.56
1813.00	14.43	395.21	0.57	0.55
1936.00	14.45	395.19	0.59	0.57
2051.00	14.45	395.19	0.59	0.57
2171.00	14.47	395.17	0.61	0.59
2291.00	14.47	395.17	0.61	0.59
2411.00	14.48	395.16	0.62	0.60
2531.00	14.49	395.15	0.63	0.61
2651.00	14.49	395.15	0.63	0.61
2771.00	14.49	395.15	0.63	0.61
2891.00	14.49	395.15	0.63	0.61
3131.00	14.50	395.14	0.64	0.62
3372.00	14.51	395.13	0.65	0.63
3612.00	14.53	395.11	0.67	0.64
3852.00	14.55	395.09	0.69	0.66
4092.00	14.55	395.09	0.69	0.66
4304.00	14.54	395.10	0.68	0.65
6270.00	14.62	395.02	0.76	0.73
7410.00	14.61	395.03	0.75	0.72
8400.00	14.22	395.42	0.36	0.35
10080.00	14.60	395.04	0.74	0.71
11850.00	14.69	394.95	0.83	0.79
13260.00	14.77	394.87	0.91	0.86
14820.00	14.81	394.83	0.95	0.90
15900.00	14.87	394.77	1.01	0.95
17640.00	14.91	394.73	1.05	0.99
21930.00	15.04	394.60	1.18	1.10

PZ-4

Static (DTW): 9.14
 Aquifer Thickness: 10.00
 Well Depth:
 Screen Length:
 Measuring Point: 394.50

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
396.00	9.12	385.38	-0.02	-0.02
563.00	9.09	385.41	-0.05	-0.05
623.00	9.08	385.42	-0.06	-0.06
683.00	9.08	385.42	-0.06	-0.06
743.00	9.07	385.43	-0.07	-0.07
803.00	9.06	385.44	-0.08	-0.08
863.00	9.05	385.45	-0.09	-0.09
923.00	9.05	385.45	-0.09	-0.09
983.00	9.04	385.46	-0.10	-0.10
1042.00	9.02	385.48	-0.12	-0.12
1102.00	9.02	385.48	-0.12	-0.12
1163.00	9.01	385.49	-0.13	-0.13
1223.00	9.00	385.50	-0.14	-0.14
1283.00	8.99	385.51	-0.15	-0.15
1383.00	8.98	385.52	-0.16	-0.16
1403.00	8.97	385.53	-0.17	-0.17
1461.00	8.98	385.52	-0.16	-0.16
1575.00	8.96	385.54	-0.18	-0.18
1697.00	8.95	385.55	-0.19	-0.19
1815.00	8.94	385.56	-0.20	-0.20
1938.00	8.93	385.57	-0.21	-0.21
2054.00	8.94	385.56	-0.20	-0.20
2124.00	8.92	385.58	-0.22	-0.22
2294.00	8.91	385.59	-0.23	-0.23
2414.00	8.90	385.60	-0.24	-0.24
2534.00	8.90	385.60	-0.24	-0.24
2654.00	8.91	385.59	-0.23	-0.23
2774.00	8.90	385.60	-0.24	-0.24
2894.00	8.90	385.60	-0.24	-0.24
3134.00	8.90	385.60	-0.24	-0.24
3374.00	8.91	385.59	-0.23	-0.23
3614.00	8.92	385.58	-0.22	-0.22
3854.00	8.93	385.57	-0.21	-0.21
4094.00	8.94	385.56	-0.20	-0.20
4306.00	8.94	385.56	-0.20	-0.20
6270.00	9.17	385.33	0.03	0.03
7410.00	9.25	385.25	0.11	0.11

PZ-4

Static (DTW): 9.14
Aquifer Thickness: 10.00
Well Depth:
Screen Length:
Measuring Point: 394.50

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
8400.00	9.20	385.30	0.06	0.06
10080.00	9.28	385.22	0.14	0.14
11850.00	9.35	385.15	0.21	0.21
13260.00	9.30	385.20	0.16	0.16
14820.00	9.31	385.19	0.17	0.17
15900.00	9.31	385.19	0.17	0.17
17640.00	9.31	385.19	0.17	0.17
21930.00	9.31	385.19	0.17	0.17

PZ-5

atic (DTW): 7.80
 Aquifer Thickness: 10.00
 Well Depth:
 Screen Length:
 Measuring Point: 393.34

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
414.00	7.77	385.57	-0.03	-0.03
564.00	7.77	385.57	-0.03	-0.03
624.00	7.78	385.56	-0.02	-0.02
684.00	7.78	385.56	-0.02	-0.02
744.00	7.77	385.57	-0.03	-0.03
804.00	7.76	385.58	-0.04	-0.04
864.00	7.76	385.58	-0.04	-0.04
924.00	7.76	385.58	-0.04	-0.04
984.00	7.75	385.59	-0.05	-0.05
1024.00	7.75	385.59	-0.05	-0.05
1134.00	7.75	385.59	-0.05	-0.05
1194.00	7.74	385.60	-0.06	-0.06
1254.00	7.74	385.60	-0.06	-0.06
1314.00	7.73	385.61	-0.07	-0.07
1374.00	7.72	385.62	-0.08	-0.08
1434.00	7.73	385.61	-0.07	-0.07
1462.00	7.72	385.62	-0.08	-0.08
1575.00	7.71	385.63	-0.09	-0.09
1697.00	7.71	385.63	-0.09	-0.09
1815.00	7.70	385.64	-0.10	-0.10
1939.00	7.70	385.64	-0.10	-0.10
2054.00	7.70	385.64	-0.10	-0.10
2174.00	7.68	385.66	-0.12	-0.12
2294.00	7.67	385.67	-0.13	-0.13
2414.00	7.67	385.67	-0.13	-0.13
2534.00	7.68	385.66	-0.12	-0.12
2654.00	7.68	385.66	-0.12	-0.12
2774.00	7.67	385.67	-0.13	-0.13
2894.00	7.67	385.67	-0.13	-0.13
3134.00	7.67	385.67	-0.13	-0.13
3375.00	7.67	385.67	-0.13	-0.13
3615.00	7.69	385.65	-0.11	-0.11
3855.00	7.69	385.65	-0.11	-0.11
4095.00	7.69	385.65	-0.11	-0.11
4307.00	7.68	385.66	-0.12	-0.12
6270.00	8.75	384.59	0.95	0.90
7410.00	8.70	384.64	0.90	0.86

PZ-5

Static (DTW): 7.80
Aquifer Thickness: 10.00
Well Depth:
Screen Length:
Measuring Point: 393.34

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
8400.00	8.00	385.34	0.20	0.20
10080.00	8.32	385.02	0.52	0.51
11850.00	8.87	384.47	1.07	1.01
13260.00	8.86	384.48	1.06	1.00
14820.00	8.85	384.49	1.05	0.99
15900.00	8.85	384.49	1.05	0.99
17640.00	8.85	384.49	1.05	0.99
21930.00	8.86	384.48	1.06	1.00

PZ-6

Static (DTW): 14.20
 Aquifer Thickness: 8.00
 Well Depth:
 Screen Length:
 Measuring Point: 410.22

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
3.50	14.20	396.02	0.00	0.00
5.50	14.20	396.02	0.00	0.00
6.50	14.20	396.02	0.00	0.00
9.50	14.20	396.02	0.00	0.00
11.50	14.20	396.02	0.00	0.00
13.00	14.20	396.02	0.00	0.00
16.00	14.20	396.02	0.00	0.00
20.00	14.21	396.01	0.01	0.01
23.00	14.21	396.01	0.01	0.01
26.00	14.22	396.00	0.02	0.02
32.00	14.22	396.00	0.02	0.02
37.50	14.22	396.00	0.02	0.02
43.00	14.22	396.00	0.02	0.02
48.00	14.22	396.00	0.02	0.02
53.00	14.22	396.00	0.02	0.02
58.00	14.23	395.99	0.03	0.03
71.00	14.23	395.99	0.03	0.03
81.00	14.23	395.99	0.03	0.03
92.00	14.23	395.99	0.03	0.03
101.00	14.23	395.99	0.03	0.03
111.00	14.24	395.98	0.04	0.04
121.00	14.23	395.99	0.03	0.03
161.00	14.23	395.99	0.03	0.03
192.00	14.24	395.98	0.04	0.04
222.00	14.23	395.99	0.03	0.03
252.00	14.24	395.98	0.04	0.04
282.00	14.23	395.99	0.03	0.03
312.00	14.24	395.98	0.04	0.04
342.00	14.24	395.98	0.04	0.04
372.00	14.24	395.98	0.04	0.04
402.00	14.24	395.98	0.04	0.04
432.00	14.25	395.97	0.05	0.05
462.00	14.25	395.97	0.05	0.05
492.00	14.25	395.97	0.05	0.05
522.00	14.26	395.96	0.06	0.06
562.00	14.25	395.97	0.05	0.05
622.00	14.27	395.95	0.07	0.07

PZ-6

Static (DTW): 14.20
 Aquifer Thickness: 8.00
 Well Depth:
 Screen Length:
 Measuring Point: 410.22

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
682.00	14.28	395.94	0.08	0.08
742.00	14.27	395.95	0.07	0.07
802.00	14.26	395.96	0.06	0.06
862.00	14.28	395.94	0.08	0.08
922.00	14.28	395.94	0.08	0.08
982.00	14.29	395.93	0.09	0.09
1042.00	14.28	395.94	0.08	0.08
1102.00	14.28	395.94	0.08	0.08
1162.00	14.28	395.94	0.08	0.08
1222.00	14.29	395.93	0.09	0.09
1282.00	14.30	395.92	0.10	0.10
1342.00	14.29	395.93	0.09	0.09
1402.00	14.29	395.93	0.09	0.09
1460.00	14.30	395.92	0.10	0.10
1574.00	14.29	395.93	0.09	0.09
1695.00	14.30	395.92	0.10	0.10
1813.00	14.30	395.92	0.10	0.10
1937.00	14.32	395.90	0.12	0.12
2052.00	14.32	395.90	0.12	0.12
2172.00	14.33	395.89	0.13	0.13
2292.00	14.34	395.88	0.14	0.14
2412.00	14.35	395.87	0.15	0.15
2532.00	14.37	395.85	0.17	0.17
2652.00	14.37	395.85	0.17	0.17
2772.00	14.37	395.85	0.17	0.17
2892.00	14.37	395.85	0.17	0.17
3132.00	14.38	395.84	0.18	0.18
3373.00	14.39	395.83	0.19	0.19
3613.00	14.41	395.81	0.21	0.21
3853.00	14.42	395.80	0.22	0.22
4093.00	14.44	395.78	0.24	0.24
4305.00	14.44	395.78	0.24	0.24
6270.00	14.52	395.70	0.32	0.31
7410.00	14.50	395.72	0.30	0.29
8400.00	14.52	395.70	0.32	0.31
0080.00	14.56	395.66	0.36	0.35
11850.00	14.62	395.60	0.42	0.41

PZ-6

Static (DTW): 14.20
Aquifer Thickness: 8.00
Well Depth:
Screen Length:
Measuring Point: 410.22

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
13260.00	14.69	395.53	0.49	0.47
14820.00	14.74	395.48	0.54	0.52
15900.00	14.80	395.42	0.60	0.58
17640.00	14.83	395.39	0.63	0.61
21930.00	15.04	395.18	0.84	0.80

PZ-7

Static (DTW): 13.82
 Aquifer Thickness: 10.00
 Well Depth:
 Screen Length:
 Measuring Point: 409.17

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
0.50	13.82	395.35	0.00	0.00
1.00	13.82	395.35	0.00	0.00
1.50	13.83	395.34	0.01	0.01
2.00	13.83	395.34	0.01	0.01
2.50	13.84	395.33	0.02	0.02
3.00	13.84	395.33	0.02	0.02
4.00	13.84	395.33	0.02	0.02
6.00	13.86	395.31	0.04	0.04
8.00	13.86	395.31	0.04	0.04
10.50	13.88	395.29	0.06	0.06
12.00	13.90	395.27	0.08	0.08
15.00	13.92	395.25	0.10	0.10
19.00	13.94	395.23	0.12	0.12
22.00	13.95	395.22	0.13	0.13
24.50	13.96	395.21	0.14	0.14
31.00	13.98	395.19	0.16	0.16
37.00	13.99	395.18	0.17	0.17
42.00	14.00	395.17	0.18	0.18
47.00	14.01	395.16	0.19	0.19
52.00	14.01	395.16	0.19	0.19
57.00	14.02	395.15	0.20	0.20
61.00	14.02	395.15	0.20	0.20
70.00	14.02	395.15	0.20	0.20
80.00	14.03	395.14	0.21	0.21
92.00	14.03	395.14	0.21	0.21
100.00	14.05	395.12	0.23	0.23
110.00	14.06	395.11	0.24	0.24
120.00	14.05	395.12	0.23	0.23
160.00	14.07	395.10	0.25	0.25
189.00	14.07	395.10	0.25	0.25
219.00	14.07	395.10	0.25	0.25
249.00	14.07	395.10	0.25	0.25
279.00	14.08	395.09	0.26	0.26
309.00	14.08	395.09	0.26	0.26
339.00	14.08	395.09	0.26	0.26
369.00	14.09	395.08	0.27	0.27
399.00	14.08	395.09	0.26	0.26

PZ-7

Static (DTW): 13.82
 Aquifer Thickness: 10.00
 Well Depth:
 Screen Length:
 Measuring Point: 409.17

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
429.00	14.10	395.07	0.28	0.28
459.00	14.11	395.06	0.29	0.29
489.00	14.10	395.07	0.28	0.28
519.00	14.12	395.05	0.30	0.30
559.00	14.12	395.05	0.30	0.30
619.00	14.12	395.05	0.30	0.30
679.00	14.15	395.02	0.33	0.32
739.00	14.15	395.02	0.33	0.32
799.00	14.06	395.11	0.24	0.24
859.00	14.17	395.00	0.35	0.34
919.00	14.14	395.03	0.32	0.31
979.00	14.15	395.02	0.33	0.32
1039.00	14.14	395.03	0.32	0.31
1099.00	14.14	395.03	0.32	0.31
1159.00	14.15	395.02	0.33	0.32
1219.00	14.15	395.02	0.33	0.32
1279.00	14.16	395.01	0.34	0.33
1339.00	14.16	395.01	0.34	0.33
1399.00	14.16	395.01	0.34	0.33
1458.00	14.16	395.01	0.34	0.33
1573.00	14.15	395.02	0.33	0.32
1694.00	14.16	395.01	0.34	0.33
1812.00	14.15	395.02	0.33	0.32
1935.00	14.17	395.00	0.35	0.34
2050.00	14.18	394.99	0.36	0.35
2170.00	14.19	394.98	0.37	0.36
2290.00	14.20	394.97	0.38	0.37
2410.00	14.21	394.96	0.39	0.38
2530.00	14.22	394.95	0.40	0.39
2650.00	14.23	394.94	0.41	0.40
2770.00	14.23	394.94	0.41	0.40
2890.00	14.23	394.94	0.41	0.40
3130.00	14.23	394.94	0.41	0.40
3371.00	14.25	394.92	0.43	0.42
3611.00	14.27	394.90	0.45	0.44
3851.00	14.28	394.89	0.46	0.45
4091.00	14.29	394.88	0.47	0.46

PZ-7

Static (DTW): 13.82
Aquifer Thickness: 10.00
Well Depth:
Screen Length:
Measuring Point: 409.17

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
4303.00	14.29	394.88	0.47	0.46
6270.00	14.37	394.80	0.55	0.53
7410.00	14.44	394.73	0.62	0.60
8400.00	14.17	395.00	0.35	0.34
10080.00	14.30	394.87	0.48	0.47
11850.00	14.43	394.74	0.61	0.59
13260.00	14.53	394.64	0.71	0.68
14820.00	14.59	394.58	0.77	0.74
15900.00	14.63	394.54	0.81	0.78
17640.00	14.66	394.51	0.84	0.80
21930.00	14.83	394.34	1.01	0.96

PZ-8

Static (DTW): 14.05
 Aquifer Thickness: 7.50
 Well Depth:
 Screen Length:
 Measuring Point: 410.07

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
17.00	14.05	396.02	0.00	0.00
23.00	14.05	396.02	0.00	0.00
27.00	14.05	396.02	0.00	0.00
31.50	14.06	396.01	0.01	0.01
37.50	14.06	396.01	0.01	0.01
42.00	14.08	395.99	0.03	0.03
48.00	14.08	395.99	0.03	0.03
51.50	14.08	395.99	0.03	0.03
56.50	14.09	395.98	0.04	0.04
62.00	14.10	395.97	0.05	0.05
71.00	14.10	395.97	0.05	0.05
81.50	14.10	395.97	0.05	0.05
91.50	14.10	395.97	0.05	0.05
101.50	14.10	395.97	0.05	0.05
111.50	14.11	395.96	0.06	0.06
121.50	14.12	395.95	0.07	0.07
159.00	14.11	395.96	0.06	0.06
190.00	14.12	395.95	0.07	0.07
220.00	14.12	395.95	0.07	0.07
250.00	14.12	395.95	0.07	0.07
280.00	14.12	395.95	0.07	0.07
310.00	14.12	395.95	0.07	0.07
340.00	14.13	395.94	0.08	0.08
370.00	14.13	395.94	0.08	0.08
400.00	14.13	395.94	0.08	0.08
430.00	14.14	395.93	0.09	0.09
460.00	14.15	395.92	0.10	0.10
490.00	14.15	395.92	0.10	0.10
520.00	14.17	395.90	0.12	0.12
560.00	14.17	395.90	0.12	0.12
620.00	14.18	395.89	0.13	0.13
680.00	14.21	395.86	0.16	0.16
740.00	14.20	395.87	0.15	0.15
800.00	14.18	395.89	0.13	0.13
860.00	14.20	395.87	0.15	0.15
920.00	14.20	395.87	0.15	0.15
980.00	14.21	395.86	0.16	0.16

PZ-8

Static (DTW): 14.05
 Aquifer Thickness: 7.50
 Well Depth:
 Screen Length:
 Measuring Point: 410.07

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
1030.00	14.20	395.87	0.15	0.15
1090.00	14.20	395.87	0.15	0.15
1150.00	14.20	395.87	0.15	0.15
1210.00	14.21	395.86	0.16	0.16
1270.00	14.22	395.85	0.17	0.17
1330.00	14.22	395.85	0.17	0.17
1390.00	14.21	395.86	0.16	0.16
1459.00	14.22	395.85	0.17	0.17
1573.00	14.20	395.87	0.15	0.15
1694.00	14.21	395.86	0.16	0.16
1812.00	14.21	395.86	0.16	0.16
1936.00	14.23	395.84	0.18	0.18
2051.00	14.24	395.83	0.19	0.19
2171.00	14.26	395.81	0.21	0.21
2291.00	14.28	395.79	0.23	0.23
2411.00	14.29	395.78	0.24	0.24
2531.00	14.29	395.78	0.24	0.24
2651.00	14.30	395.77	0.25	0.25
2771.00	14.30	395.77	0.25	0.25
2891.00	14.30	395.77	0.25	0.25
3131.00	14.30	395.77	0.25	0.25
3372.00	14.32	395.75	0.27	0.27
3612.00	14.34	395.73	0.29	0.28
3852.00	14.35	395.72	0.30	0.29
4092.00	14.37	395.70	0.32	0.31
4304.00	14.35	395.72	0.30	0.29
6270.00	14.45	395.62	0.40	0.39
7410.00	14.41	395.66	0.36	0.35
8400.00	14.40	395.67	0.35	0.34
10080.00	14.38	395.69	0.33	0.32
11850.00	14.52	395.55	0.47	0.46
13260.00	14.60	395.47	0.55	0.53
14820.00	14.66	395.41	0.61	0.59
15900.00	14.72	395.35	0.67	0.64
17640.00	14.75	395.32	0.70	0.67
21930.00	14.92	395.15	0.87	0.82

PZ-9

Static (DTW): 13.20
 Aquifer Thickness: 8.50
 Well Depth:
 Screen Length:
 Measuring Point: 408.77

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
3.50	13.20	395.57	0.00	0.00
5.50	13.20	395.57	0.00	0.00
6.50	13.20	395.57	0.00	0.00
8.50	13.20	395.57	0.00	0.00
9.50	13.20	395.57	0.00	0.00
10.50	13.20	395.57	0.00	0.00
12.00	13.20	395.57	0.00	0.00
13.00	13.20	395.57	0.00	0.00
14.00	13.20	395.57	0.00	0.00
15.00	13.20	395.57	0.00	0.00
16.00	13.20	395.57	0.00	0.00
22.50	13.22	395.55	0.02	0.02
26.50	13.24	395.53	0.04	0.04
30.50	13.25	395.52	0.05	0.05
36.00	13.25	395.52	0.05	0.05
41.00	13.26	395.51	0.06	0.06
47.00	13.28	395.49	0.08	0.08
51.00	13.30	395.47	0.10	0.10
56.00	13.30	395.47	0.10	0.10
61.00	13.30	395.47	0.10	0.10
70.50	13.30	395.47	0.10	0.10
81.00	13.31	395.46	0.11	0.11
91.00	13.32	395.45	0.12	0.12
100.50	13.32	395.45	0.12	0.12
110.50	13.33	395.44	0.13	0.13
121.00	13.35	395.42	0.15	0.15
155.00	13.34	395.43	0.14	0.14
188.00	13.35	395.42	0.15	0.15
218.00	13.36	395.41	0.16	0.16
248.00	13.37	395.40	0.17	0.17
278.00	13.37	395.40	0.17	0.17
308.00	13.37	395.40	0.17	0.17
338.00	13.38	395.39	0.18	0.18
368.00	13.39	395.38	0.19	0.19
398.00	13.39	395.38	0.19	0.19
428.00	13.40	395.37	0.20	0.20
458.00	13.40	395.37	0.20	0.20

PZ-9

atic (DTW): 13.20
 Aquifer Thickness: 8.50
 Well Depth:
 Screen Length:
 Measuring Point: 408.77

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
488.00	13.41	395.36	0.21	0.21
518.00	13.42	395.35	0.22	0.22
558.00	13.43	395.34	0.23	0.23
618.00	13.43	395.34	0.23	0.23
678.00	13.46	395.31	0.26	0.26
738.00	13.46	395.31	0.26	0.26
798.00	13.44	395.33	0.24	0.24
858.00	13.46	395.31	0.26	0.26
918.00	13.46	395.31	0.26	0.26
978.00	13.46	395.31	0.26	0.26
1038.00	13.46	395.31	0.26	0.26
1098.00	13.46	395.31	0.26	0.26
1158.00	13.46	395.31	0.26	0.26
1218.00	13.47	395.30	0.27	0.27
1278.00	13.48	395.29	0.28	0.28
1338.00	13.48	395.29	0.28	0.28
1398.00	13.48	395.29	0.28	0.28
1456.00	13.49	395.28	0.29	0.29
1572.00	13.47	395.30	0.27	0.27
1693.00	13.48	395.29	0.28	0.28
1811.00	13.47	395.30	0.27	0.27
1934.00	13.50	395.27	0.30	0.29
2049.00	13.50	395.27	0.30	0.29
2169.00	13.52	395.25	0.32	0.31
2289.00	13.53	395.24	0.33	0.32
2409.00	13.55	395.22	0.35	0.34
2529.00	13.56	395.21	0.36	0.35
2649.00	13.55	395.22	0.35	0.34
2769.00	13.56	395.21	0.36	0.35
2889.00	13.57	395.20	0.37	0.36
3129.00	13.57	395.20	0.37	0.36
3370.00	13.58	395.19	0.38	0.37
3610.00	13.61	395.16	0.41	0.40
3850.00	13.62	395.15	0.42	0.41
4090.00	13.63	395.14	0.43	0.42
4302.00	13.63	395.14	0.43	0.42
6270.00	13.70	395.07	0.50	0.49

PZ-9

Static (DTW): 13.20
Aquifer Thickness: 8.50
Well Depth:
Screen Length:
Measuring Point: 408.77

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
7410.00	13.78	394.99	0.58	0.56
8400.00	13.59	395.18	0.39	0.38
10080.00	13.59	395.18	0.39	0.38
11850.00	13.76	395.01	0.56	0.54
13260.00	13.86	394.91	0.66	0.63
14820.00	13.92	394.85	0.72	0.69
15900.00	13.97	394.80	0.77	0.74
17640.00	14.02	394.75	0.82	0.78
21930.00	14.16	394.61	0.96	0.91

PZ-10

atic (DTW): 12.10
 Aquifer Thickness: 8.50
 Well Depth:
 Screen Length:
 Measuring Point: 407.07

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
0.50	12.10	394.97	0.00	0.00
1.00	12.05	395.02	-0.05	-0.05
1.50	12.05	395.02	-0.05	-0.05
2.00	12.05	395.02	-0.05	-0.05
2.50	12.10	394.97	0.00	0.00
3.00	12.10	394.97	0.00	0.00
4.50	12.08	394.99	-0.02	-0.02
6.00	12.08	394.99	-0.02	-0.02
7.50	12.08	394.99	-0.02	-0.02
9.00	12.08	394.99	-0.02	-0.02
10.00	12.08	394.99	-0.02	-0.02
11.00	12.08	394.99	-0.02	-0.02
12.50	12.08	394.99	-0.02	-0.02
13.50	12.08	394.99	-0.02	-0.02
14.50	12.08	394.99	-0.02	-0.02
15.50	12.09	394.98	-0.01	-0.01
22.00	12.10	394.97	0.00	0.00
25.50	12.11	394.96	0.01	0.01
30.00	12.15	394.92	0.05	0.05
35.50	12.15	394.92	0.05	0.05
40.00	12.16	394.91	0.06	0.06
46.00	12.18	394.89	0.08	0.08
50.00	12.19	394.88	0.09	0.09
55.00	12.20	394.87	0.10	0.10
60.50	12.20	394.87	0.10	0.10
70.00	12.21	394.86	0.11	0.11
80.00	12.22	394.85	0.12	0.12
90.00	12.25	394.82	0.15	0.15
100.00	12.25	394.82	0.15	0.15
110.00	12.26	394.81	0.16	0.16
120.00	12.26	394.81	0.16	0.16
157.00	12.26	394.81	0.16	0.16
187.00	12.28	394.79	0.18	0.18
217.00	12.28	394.79	0.18	0.18
247.00	12.29	394.78	0.19	0.19
277.00	12.29	394.78	0.19	0.19
307.00	12.29	394.78	0.19	0.19

PZ-10

Static (DTW): 12.10
 Aquifer Thickness: 8.50
 Well Depth:
 Screen Length:
 Measuring Point: 407.07

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
337.00	12.29	394.78	0.19	0.19
367.00	12.30	394.77	0.20	0.20
397.00	12.30	394.77	0.20	0.20
427.00	12.30	394.77	0.20	0.20
457.00	12.31	394.76	0.21	0.21
487.00	12.32	394.75	0.22	0.22
517.00	12.33	394.74	0.23	0.23
558.00	12.33	394.74	0.23	0.23
618.00	12.34	394.73	0.24	0.24
678.00	12.37	394.70	0.27	0.27
738.00	12.36	394.71	0.26	0.26
798.00	12.34	394.73	0.24	0.24
858.00	12.35	394.72	0.25	0.25
918.00	12.36	394.71	0.26	0.26
978.00	12.36	394.71	0.26	0.26
1078.00	12.35	394.72	0.25	0.25
1098.00	12.35	394.72	0.25	0.25
1158.00	12.36	394.71	0.26	0.26
1218.00	12.37	394.70	0.27	0.27
1278.00	12.38	394.69	0.28	0.28
1338.00	12.37	394.70	0.27	0.27
1398.00	12.38	394.69	0.28	0.28
1458.00	12.38	394.69	0.28	0.28
1572.00	12.36	394.71	0.26	0.26
1693.00	12.36	394.71	0.26	0.26
1810.00	12.35	394.72	0.25	0.25
1933.00	12.38	394.69	0.28	0.28
2048.00	12.39	394.68	0.29	0.29
2168.00	12.41	394.66	0.31	0.30
2288.00	12.41	394.66	0.31	0.30
2408.00	12.43	394.64	0.33	0.32
2528.00	12.44	394.63	0.34	0.33
2648.00	12.46	394.61	0.36	0.35
2768.00	12.45	394.62	0.35	0.34
2888.00	12.45	394.62	0.35	0.34
3128.00	12.45	394.62	0.35	0.34
3370.00	12.47	394.60	0.37	0.36

PZ-10

Static (DTW): 12.10
Aquifer Thickness: 8.50
Well Depth:
Screen Length:
Measuring Point: 407.07

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
3610.00	12.49	394.58	0.39	0.38
3850.00	12.50	394.57	0.40	0.39
4090.00	12.51	394.56	0.41	0.40
4302.00	12.49	394.58	0.39	0.38
6270.00	12.59	394.48	0.49	0.48
7410.00	12.67	394.40	0.57	0.55
8400.00	12.43	394.64	0.33	0.32
10080.00	12.51	394.56	0.41	0.40
11850.00	12.68	394.39	0.58	0.56
13260.00	12.76	394.31	0.66	0.63
14820.00	12.82	394.25	0.72	0.69
15900.00	12.87	394.20	0.77	0.74
17640.00	12.93	394.14	0.83	0.79
191930.00	13.05	394.02	0.95	0.90

PZ-11

Static (DTW): 13.62
 Aquifer Thickness: 8.50
 Well Depth:
 Screen Length:
 Measuring Point: 409.17

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
16.00	13.62	395.55	0.00	0.00
22.00	13.61	395.56	-0.01	-0.01
27.00	13.62	395.55	0.00	0.00
32.00	13.63	395.54	0.01	0.01
37.00	13.64	395.53	0.02	0.02
42.00	13.64	395.53	0.02	0.02
47.00	13.65	395.52	0.03	0.03
52.00	13.65	395.52	0.03	0.03
57.00	13.65	395.52	0.03	0.03
62.00	13.66	395.51	0.04	0.04
72.00	13.66	395.51	0.04	0.04
82.00	13.65	395.52	0.03	0.03
92.00	13.66	395.51	0.04	0.04
102.00	13.66	395.51	0.04	0.04
112.00	13.68	395.49	0.06	0.06
122.00	13.68	395.49	0.06	0.06
152.00	13.69	395.48	0.07	0.07
182.00	13.70	395.47	0.08	0.08
212.00	13.70	395.47	0.08	0.08
242.00	13.70	395.47	0.08	0.08
272.00	13.71	395.46	0.09	0.09
302.00	13.71	395.46	0.09	0.09
332.00	13.72	395.45	0.10	0.10
362.00	13.73	395.44	0.11	0.11
392.00	13.73	395.44	0.11	0.11
422.00	13.75	395.42	0.13	0.13
452.00	13.76	395.41	0.14	0.14
482.00	13.76	395.41	0.14	0.14
512.00	13.77	395.40	0.15	0.15
553.00	13.78	395.39	0.16	0.16
613.00	13.79	395.38	0.17	0.17
673.00	13.83	395.34	0.21	0.21
733.00	13.83	395.34	0.21	0.21
793.00	13.82	395.35	0.20	0.20
853.00	13.83	395.34	0.21	0.21
913.00	13.83	395.34	0.21	0.21
973.00	13.83	395.34	0.21	0.21

PZ-11

Static (DTW): 13.62
 Aquifer Thickness: 8.50
 Well Depth:
 Screen Length:
 Measuring Point: 409.17

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
1033.00	13.82	395.35	0.20	0.20
1093.00	13.83	395.34	0.21	0.21
1153.00	13.83	395.34	0.21	0.21
1213.00	13.85	395.32	0.23	0.23
1273.00	13.85	395.32	0.23	0.23
1323.00	13.87	395.30	0.25	0.25
1383.00	13.86	395.31	0.24	0.24
1455.00	13.87	395.30	0.25	0.25
1571.00	13.85	395.32	0.23	0.23
1690.00	13.84	395.33	0.22	0.22
1809.00	13.82	395.35	0.20	0.20
1932.00	13.86	395.31	0.24	0.24
2047.00	13.87	395.30	0.25	0.25
2167.00	13.89	395.28	0.27	0.27
2287.00	13.90	395.27	0.28	0.28
2407.00	13.92	395.25	0.30	0.29
2527.00	13.93	395.24	0.31	0.30
2647.00	13.96	395.21	0.34	0.33
2767.00	13.94	395.23	0.32	0.31
2887.00	13.95	395.22	0.33	0.32
3127.00	13.95	395.22	0.33	0.32
3369.00	13.96	395.21	0.34	0.33
3609.00	14.00	395.17	0.38	0.37
3849.00	14.01	395.16	0.39	0.38
4089.00	14.02	395.15	0.40	0.39
4301.00	13.99	395.18	0.37	0.36
6270.00	14.07	395.10	0.45	0.44
7410.00	14.07	395.10	0.45	0.44
8400.00	14.01	395.16	0.39	0.38
10080.00	13.91	395.26	0.29	0.29
11850.00	14.17	395.00	0.55	0.53
13260.00	14.22	394.95	0.60	0.58
14820.00	14.29	394.88	0.67	0.64
15900.00	14.34	394.83	0.72	0.69
17640.00	14.38	394.79	0.76	0.73
1930.00	14.49	394.68	0.87	0.83

PZ-12

atic (DTW): 14.09
Aquifer Thickness: 7.00
Well Depth:
Screen Length:
Measuring Point: 408.21

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
3.50	14.09	394.12	0.00	0.00
4.50	14.10	394.11	0.01	0.01
5.50	14.10	394.11	0.01	0.01
6.50	14.09	394.12	0.00	0.00
7.50	14.09	394.12	0.00	0.00
8.50	14.09	394.12	0.00	0.00
9.50	14.09	394.12	0.00	0.00
10.50	14.10	394.11	0.01	0.01
11.50	14.10	394.11	0.01	0.01
12.50	14.10	394.11	0.01	0.01
13.50	14.10	394.11	0.01	0.01
14.50	14.10	394.11	0.01	0.01
15.50	14.10	394.11	0.01	0.01
21.00	14.10	394.11	0.01	0.01
26.00	14.10	394.11	0.01	0.01
31.00	14.10	394.11	0.01	0.01
36.00	14.10	394.11	0.01	0.01
41.00	14.11	394.10	0.02	0.02
46.00	14.11	394.10	0.02	0.02
51.00	14.12	394.09	0.03	0.03
56.00	14.12	394.09	0.03	0.03
61.00	14.13	394.08	0.04	0.04
71.00	14.13	394.08	0.04	0.04
81.00	14.15	394.06	0.06	0.06
91.00	14.15	394.06	0.06	0.06
101.00	14.17	394.04	0.08	0.08
111.00	14.18	394.03	0.09	0.09
121.00	14.19	394.02	0.10	0.10
151.00	14.21	394.00	0.12	0.12
181.00	14.23	393.98	0.14	0.14
211.00	14.25	393.96	0.16	0.16
241.00	14.26	393.95	0.17	0.17
271.00	14.27	393.94	0.18	0.18
301.00	14.28	393.93	0.19	0.19
331.00	14.29	393.92	0.20	0.20
361.00	14.31	393.90	0.22	0.22
391.00	14.30	393.91	0.21	0.21

PZ-12

Static (DTW): 14.09
 Aquifer Thickness: 7.00
 Well Depth:
 Screen Length:
 Measuring Point: 408.21

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
421.00	14.32	393.89	0.23	0.23
451.00	14.34	393.87	0.25	0.25
481.00	14.34	393.87	0.25	0.25
511.00	14.36	393.85	0.27	0.26
534.00	14.38	393.83	0.29	0.28
614.00	14.38	393.83	0.29	0.28
674.00	14.43	393.78	0.34	0.33
734.00	14.43	393.78	0.34	0.33
794.00	14.43	393.78	0.34	0.33
854.00	14.42	393.79	0.33	0.32
914.00	14.43	393.78	0.34	0.33
974.00	14.44	393.77	0.35	0.34
1034.00	14.44	393.77	0.35	0.34
1094.00	14.44	393.77	0.35	0.34
1154.00	14.44	393.77	0.35	0.34
1214.00	14.45	393.76	0.36	0.35
1274.00	14.46	393.75	0.37	0.36
1334.00	14.47	393.74	0.38	0.37
1394.00	14.47	393.74	0.38	0.37
1454.00	14.47	393.74	0.38	0.37
1571.00	14.45	393.76	0.36	0.35
1690.00	14.45	393.76	0.36	0.35
1808.00	14.44	393.77	0.35	0.34
1932.00	14.45	393.76	0.36	0.35
2047.00	14.48	393.73	0.39	0.38
2167.00	14.50	393.71	0.41	0.40
2287.00	14.51	393.70	0.42	0.41
2407.00	14.53	393.68	0.44	0.43
2527.00	14.55	393.66	0.46	0.44
2646.00	14.56	393.65	0.47	0.45
2766.00	14.56	393.65	0.47	0.45
2886.00	14.56	393.65	0.47	0.45
3126.00	14.57	393.64	0.48	0.46
3369.00	14.59	393.62	0.50	0.48
3609.00	14.61	393.60	0.52	0.50
3849.00	14.62	393.59	0.53	0.51
4089.00	14.62	393.59	0.53	0.51

PZ-12

Static (DTW): 14.09
Aquifer Thickness: 7.00
Well Depth:
Screen Length:
Measuring Point: 408.21

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
4301.00	14.60	393.61	0.51	0.49
6270.00	14.65	393.56	0.56	0.54
7410.00	14.64	393.57	0.55	0.53
8400.00	14.48	393.73	0.39	0.38
10080.00	14.35	393.86	0.26	0.26
11850.00	14.77	393.44	0.68	0.65
13260.00	14.79	393.42	0.70	0.66
14820.00	14.84	393.37	0.75	0.71
15900.00	14.88	393.33	0.79	0.75
17640.00	14.91	393.30	0.82	0.77
21930.00	15.00	393.21	0.91	0.85

PZ-13

atic (DTW): 15.27
 Aquifer Thickness: 6.50
 Well Depth:
 Screen Length:
 Measuring Point: 407.17

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
0.50	15.26	391.91	-0.01	-0.01
1.00	15.26	391.91	-0.01	-0.01
1.50	15.27	391.90	0.00	0.00
2.00	15.27	391.90	0.00	0.00
2.50	15.26	391.91	-0.01	-0.01
3.00	15.26	391.91	-0.01	-0.01
4.00	15.25	391.92	-0.02	-0.02
5.00	15.25	391.92	-0.02	-0.02
6.00	15.25	391.92	-0.02	-0.02
7.00	15.24	391.93	-0.03	-0.03
8.00	15.25	391.92	-0.02	-0.02
9.00	15.24	391.93	-0.03	-0.03
10.00	15.24	391.93	-0.03	-0.03
11.00	15.25	391.92	-0.02	-0.02
12.00	15.25	391.92	-0.02	-0.02
13.00	15.25	391.92	-0.02	-0.02
14.00	15.25	391.92	-0.02	-0.02
15.00	15.24	391.93	-0.03	-0.03
20.00	15.24	391.93	-0.03	-0.03
25.00	15.25	391.92	-0.02	-0.02
30.00	15.26	391.91	-0.01	-0.01
35.00	15.26	391.91	-0.01	-0.01
40.00	15.26	391.91	-0.01	-0.01
45.00	15.25	391.92	-0.02	-0.02
50.00	15.26	391.91	-0.01	-0.01
55.00	15.25	391.92	-0.02	-0.02
60.00	15.26	391.91	-0.01	-0.01
70.00	15.26	391.91	-0.01	-0.01
80.00	15.26	391.91	-0.01	-0.01
90.00	15.26	391.91	-0.01	-0.01
100.00	15.26	391.91	-0.01	-0.01
110.00	15.28	391.89	0.01	0.01
120.00	15.27	391.90	0.00	0.00
150.00	15.29	391.88	0.02	0.02
180.00	15.31	391.86	0.04	0.04
210.00	15.31	391.86	0.04	0.04
240.00	15.32	391.85	0.05	0.05

PZ-13

atic (DTW): 15.27
 Aquifer Thickness: 6.50
 Well Depth:
 Screen Length:
 Measuring Point: 407.17

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
270.00	15.32	391.85	0.05	0.05
300.00	15.31	391.86	0.04	0.04
330.00	15.33	391.84	0.06	0.06
360.00	15.33	391.84	0.06	0.06
390.00	15.32	391.85	0.05	0.05
420.00	15.32	391.85	0.05	0.05
450.00	15.33	391.84	0.06	0.06
480.00	15.33	391.84	0.06	0.06
510.00	15.35	391.82	0.08	0.08
555.00	15.36	391.81	0.09	0.09
615.00	15.41	391.76	0.14	0.14
675.00	15.47	391.70	0.20	0.20
735.00	15.48	391.69	0.21	0.21
795.00	15.47	391.70	0.20	0.20
855.00	15.47	391.70	0.20	0.20
915.00	15.45	391.72	0.18	0.18
975.00	15.46	391.71	0.19	0.19
1035.00	15.44	391.73	0.17	0.17
1095.00	15.44	391.73	0.17	0.17
1155.00	15.44	391.73	0.17	0.17
1215.00	15.44	391.73	0.17	0.17
1275.00	15.45	391.72	0.18	0.18
1335.00	15.45	391.72	0.18	0.18
1395.00	15.45	391.72	0.18	0.18
1453.00	15.45	391.72	0.18	0.18
1571.00	15.45	391.72	0.18	0.18
1689.00	15.42	391.75	0.15	0.15
1808.00	15.41	391.76	0.14	0.14
1931.00	15.42	391.75	0.15	0.15
2046.00	15.41	391.76	0.14	0.14
2166.00	15.42	391.75	0.15	0.15
2286.00	15.43	391.74	0.16	0.16
2406.00	15.45	391.72	0.18	0.18
2526.00	15.45	391.72	0.18	0.18
2646.00	15.47	391.70	0.20	0.20
2766.00	15.47	391.70	0.20	0.20
2886.00	15.57	391.60	0.30	0.29

PZ-13

Static (DTW): 15.27
 Aquifer Thickness: 6.50
 Well Depth:
 Screen Length:
 Measuring Point: 407.17

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
3126.00	15.75	391.42	0.48	0.46
3368.00	15.71	391.46	0.44	0.43
3608.00	15.71	391.46	0.44	0.43
3848.00	15.71	391.46	0.44	0.43
4088.00	15.67	391.50	0.40	0.39
4300.00	15.68	391.49	0.41	0.40
6270.00	15.68	391.49	0.41	0.40
7410.00	15.79	391.38	0.52	0.50
8400.00	15.79	391.38	0.52	0.50
10080.00	15.41	391.76	0.14	0.14
11850.00	15.80	391.37	0.53	0.51
13260.00	15.81	391.36	0.54	0.52
14820.00	15.87	391.30	0.60	0.57
15900.00	15.99	391.18	0.72	0.68
17640.00	16.02	391.15	0.75	0.71
21930.00	16.26	390.91	0.99	0.91

PZ-14

Static (DTW): 13.91
 Aquifer Thickness: 9.00
 Well Depth:
 Screen Length:
 Measuring Point: 408.47

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
3.50	13.91	394.56	0.00	0.00
4.50	13.91	394.56	0.00	0.00
5.50	13.91	394.56	0.00	0.00
6.50	13.92	394.55	0.01	0.01
7.50	13.92	394.55	0.01	0.01
8.50	13.92	394.55	0.01	0.01
9.50	13.92	394.55	0.01	0.01
10.50	13.92	394.55	0.01	0.01
11.50	13.92	394.55	0.01	0.01
12.50	13.92	394.55	0.01	0.01
13.50	13.93	394.54	0.02	0.02
14.50	13.93	394.54	0.02	0.02
16.00	13.93	394.54	0.02	0.02
21.00	13.95	394.52	0.04	0.04
26.00	13.99	394.48	0.08	0.08
31.00	14.02	394.45	0.11	0.11
36.00	14.05	394.42	0.14	0.14
41.00	14.07	394.40	0.16	0.16
46.00	14.09	394.38	0.18	0.18
51.00	14.11	394.36	0.20	0.20
56.00	14.14	394.33	0.23	0.23
61.00	14.15	394.32	0.24	0.24
71.00	14.18	394.29	0.27	0.27
81.00	14.21	394.26	0.30	0.30
91.00	14.24	394.23	0.33	0.32
101.00	14.26	394.21	0.35	0.34
111.00	14.28	394.19	0.37	0.36
121.00	14.29	394.18	0.38	0.37
151.00	14.34	394.13	0.43	0.42
181.00	14.36	394.11	0.45	0.44
211.00	14.39	394.08	0.48	0.47
241.00	14.40	394.07	0.49	0.48
271.00	14.42	394.05	0.51	0.50
301.00	14.42	394.05	0.51	0.50
331.00	14.44	394.03	0.53	0.51
361.00	14.47	394.00	0.56	0.54
391.00	14.47	394.00	0.56	0.54

PZ-14

atic (DTW): 13.91
 Aquifer Thickness: 9.00
 Well Depth:
 Screen Length:
 Measuring Point: 408.47

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
421.00	14.48	393.99	0.57	0.55
451.00	14.50	393.97	0.59	0.57
481.00	14.51	393.96	0.60	0.58
511.00	14.52	393.95	0.61	0.59
549.00	14.53	393.94	0.62	0.60
609.00	14.54	393.93	0.63	0.61
669.00	14.57	393.90	0.66	0.64
729.00	14.56	393.91	0.65	0.63
789.00	14.56	393.91	0.65	0.63
849.00	14.57	393.90	0.66	0.64
909.00	14.59	393.88	0.68	0.65
969.00	14.60	393.87	0.69	0.66
1029.00	14.60	393.87	0.69	0.66
1089.00	14.62	393.85	0.71	0.68
1149.00	14.62	393.85	0.71	0.68
1209.00	14.62	393.85	0.71	0.68
1269.00	14.64	393.83	0.73	0.70
1329.00	14.64	393.83	0.73	0.70
1389.00	14.65	393.82	0.74	0.71
1449.00	14.66	393.81	0.75	0.72
1569.00	14.67	393.80	0.76	0.73
1687.00	14.68	393.79	0.77	0.74
1806.00	14.68	393.79	0.77	0.74
1929.00	14.70	393.77	0.79	0.76
2044.00	14.72	393.75	0.81	0.77
2164.00	14.74	393.73	0.83	0.79
2284.00	14.74	393.73	0.83	0.79
2404.00	14.77	393.70	0.86	0.82
2524.00	14.78	393.69	0.87	0.83
2644.00	14.79	393.68	0.88	0.84
2764.00	14.79	393.68	0.88	0.84
2884.00	14.79	393.68	0.88	0.84
3124.00	14.80	393.67	0.89	0.85
3364.00	14.82	393.65	0.91	0.86
3604.00	14.84	393.63	0.93	0.88
3844.00	14.85	393.62	0.94	0.89
4084.00	14.87	393.60	0.96	0.91

PZ-14

Static (DTW): 13.91
Aquifer Thickness: 9.00
Well Depth:
Screen Length:
Measuring Point: 408.47

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
4298.00	14.87	393.60	0.96	0.91
6270.00	14.95	393.52	1.04	0.98
7410.00	15.00	393.47	1.09	1.02
8400.00	14.45	394.02	0.54	0.52
10080.00	14.40	394.07	0.49	0.48
11850.00	14.95	393.52	1.04	0.98
13260.00	15.02	393.45	1.11	1.04
14820.00	15.08	393.39	1.17	1.09
15900.00	15.12	393.35	1.21	1.13
17640.00	15.14	393.33	1.23	1.15
21930.00	15.26	393.21	1.35	1.25

PZ-15

Static (DTW): 18.45
 Aquifer Thickness: 5.50
 Well Depth:
 Screen Length:
 Measuring Point: 406.77

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
0.50	18.45	388.32	0.00	0.00
1.00	18.45	388.32	0.00	0.00
1.50	18.46	388.31	0.01	0.01
2.00	18.47	388.30	0.02	0.02
2.50	18.48	388.29	0.03	0.03
3.00	18.49	388.28	0.04	0.04
4.00	18.51	388.26	0.06	0.06
5.00	18.53	388.24	0.08	0.08
6.00	18.55	388.22	0.10	0.10
7.00	18.58	388.19	0.13	0.13
8.00	18.61	388.16	0.16	0.16
9.00	18.64	388.13	0.19	0.19
10.00	18.64	388.13	0.19	0.19
11.00	18.66	388.11	0.21	0.21
12.00	18.69	388.08	0.24	0.23
13.00	18.71	388.06	0.26	0.25
14.00	18.73	388.04	0.28	0.27
15.00	18.75	388.02	0.30	0.29
20.00	18.86	387.91	0.41	0.39
25.00	18.97	387.80	0.52	0.50
30.00	19.08	387.69	0.63	0.59
35.00	19.20	387.57	0.75	0.70
40.00	19.31	387.46	0.86	0.79
45.00	19.43	387.34	0.98	0.89
50.00	19.55	387.22	1.10	0.99
55.00	19.64	387.13	1.19	1.06
60.00	19.73	387.04	1.28	1.13
70.00	19.89	386.88	1.44	1.25
80.00	20.01	386.76	1.56	1.34
90.00	20.14	386.63	1.69	1.43
100.00	20.26	386.51	1.81	1.51
110.00	20.37	386.40	1.92	1.58
120.00	20.46	386.31	2.01	1.64
150.00	20.66	386.11	2.21	1.77
180.00	20.78	385.99	2.33	1.84
210.00	20.85	385.92	2.40	1.88
240.00	20.82	385.95	2.37	1.86

PZ-15

Static (DTW): 18.45
 Aquifer Thickness: 5.50
 Well Depth:
 Screen Length:
 Measuring Point: 406.77

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
270.00	20.93	385.84	2.48	1.92
300.00	20.93	385.84	2.48	1.92
330.00	20.95	385.82	2.50	1.93
360.00	20.97	385.80	2.52	1.94
390.00	20.95	385.82	2.50	1.93
420.00	20.97	385.80	2.52	1.94
450.00	21.00	385.77	2.55	1.96
480.00	21.10	385.67	2.65	2.01
510.00	21.11	385.66	2.66	2.02
548.00	21.11	385.66	2.66	2.02
608.00	21.11	385.66	2.66	2.02
667.00	21.16	385.61	2.71	2.04
727.00	21.10	385.67	2.65	2.01
787.00	20.85	385.92	2.40	1.88
847.00	21.08	385.69	2.63	2.00
907.00	21.10	385.67	2.65	2.01
967.00	21.18	385.59	2.73	2.05
1028.00	21.19	385.58	2.74	2.06
1088.00	21.16	385.61	2.71	2.04
1148.00	21.16	385.61	2.71	2.04
1208.00	21.23	385.54	2.78	2.08
1268.00	21.25	385.52	2.80	2.09
1328.00	21.23	385.54	2.78	2.08
1388.00	21.20	385.57	2.75	2.06
1448.00	21.25	385.52	2.80	2.09
1568.00	21.30	385.47	2.85	2.11
1687.00	21.30	385.47	2.85	2.11
1806.00	21.27	385.50	2.82	2.10
1929.00	21.29	385.48	2.84	2.11
2044.00	21.25	385.52	2.80	2.09
2164.00	21.26	385.51	2.81	2.09
2284.00	21.34	385.43	2.89	2.13
2404.00	21.29	385.48	2.84	2.11
2524.00	21.38	385.39	2.93	2.15
2644.00	21.31	385.46	2.86	2.12
2764.00	21.28	385.49	2.83	2.10
2884.00	21.32	385.45	2.87	2.12

PZ-15

Static (DTW): 18.45
Aquifer Thickness: 5.50
Well Depth:
Screen Length:
Measuring Point: 406.77

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
3124.00	21.31	385.46	2.86	2.12
3364.00	21.36	385.41	2.91	2.14
3604.00	21.39	385.38	2.94	2.15
3844.00	21.41	385.36	2.96	2.16
4084.00	21.34	385.43	2.89	2.13
4298.00	21.32	385.45	2.87	2.12
6270.00	21.37	385.40	2.92	2.14
7410.00	21.30	385.47	2.85	2.11
8400.00	19.50	387.27	1.05	0.95
10080.00	20.19	386.58	1.74	1.46
11850.00	21.33	385.44	2.88	2.13
13260.00	21.40	385.37	2.95	2.16
14820.00	21.40	385.37	2.95	2.16
15900.00	21.40	385.37	2.95	2.16
17640.00	21.41	385.36	2.96	2.16
21930.00	21.39	385.38	2.94	2.15

PZ-16

Static (DTW): 18.20
 Aquifer Thickness: 7.00
 Well Depth:
 Screen Length:
 Measuring Point: 406.70

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
4.00	18.20	388.50	0.00	0.00
6.00	18.21	388.49	0.01	0.01
7.00	18.21	388.49	0.01	0.01
8.00	18.21	388.49	0.01	0.01
9.00	18.21	388.49	0.01	0.01
10.00	18.22	388.48	0.02	0.02
11.00	18.22	388.48	0.02	0.02
12.00	18.23	388.47	0.03	0.03
13.00	18.23	388.47	0.03	0.03
20.50	18.26	388.44	0.06	0.06
26.00	18.28	388.42	0.08	0.08
30.50	18.31	388.39	0.11	0.11
35.50	18.34	388.36	0.14	0.14
40.50	18.36	388.34	0.16	0.16
45.50	18.39	388.31	0.19	0.19
50.50	18.42	388.28	0.22	0.22
55.50	18.44	388.26	0.24	0.24
63.00	18.47	388.23	0.27	0.26
76.50	18.52	388.18	0.32	0.31
81.50	18.58	388.12	0.38	0.37
91.50	18.62	388.08	0.42	0.41
101.00	18.67	388.03	0.47	0.45
111.00	18.72	387.98	0.52	0.50
120.00	18.76	387.94	0.56	0.54
156.00	18.86	387.84	0.66	0.63
186.00	18.93	387.77	0.73	0.69
216.00	18.99	387.71	0.79	0.75
246.00	19.02	387.68	0.82	0.77
276.00	19.05	387.65	0.85	0.80
306.00	19.07	387.63	0.87	0.82
336.00	19.09	387.61	0.89	0.83
366.00	19.12	387.58	0.92	0.86
396.00	19.12	387.58	0.92	0.86
426.00	19.14	387.56	0.94	0.88
456.00	19.16	387.54	0.96	0.89
486.00	19.16	387.54	0.96	0.89
516.00	19.18	387.52	0.98	0.91

PZ-16

atic (DTW): 18.20
 Aquifer Thickness: 7.00
 Well Depth:
 Screen Length:
 Measuring Point: 406.70

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
545.00	19.18	387.52	0.98	0.91
605.00	19.20	387.50	1.00	0.93
665.00	19.23	387.47	1.03	0.95
725.00	19.26	387.44	1.06	0.98
785.00	19.20	387.50	1.00	0.93
845.00	19.20	387.50	1.00	0.93
905.00	19.24	387.46	1.04	0.96
965.00	19.26	387.44	1.06	0.98
1025.00	19.27	387.43	1.07	0.99
1085.00	19.28	387.42	1.08	1.00
1145.00	19.30	387.40	1.10	1.01
1205.00	19.32	387.38	1.12	1.03
1265.00	19.33	387.37	1.13	1.04
1325.00	19.34	387.36	1.14	1.05
1385.00	19.35	387.35	1.15	1.06
1445.00	19.37	387.33	1.17	1.07
1565.00	19.37	387.33	1.17	1.07
1685.00	19.38	387.32	1.18	1.08
1803.00	19.40	387.30	1.20	1.10
1927.00	19.42	387.28	1.22	1.11
2042.00	19.44	387.26	1.24	1.13
2162.00	19.46	387.24	1.26	1.15
2282.00	19.47	387.23	1.27	1.15
2402.00	19.50	387.20	1.30	1.18
2522.00	19.51	387.19	1.31	1.19
2642.00	19.53	387.17	1.33	1.20
2762.00	19.53	387.17	1.33	1.20
2882.00	19.54	387.16	1.34	1.21
3122.00	19.53	387.17	1.33	1.20
3363.00	19.58	387.12	1.38	1.24
3603.00	19.61	387.09	1.41	1.27
3842.00	19.64	387.06	1.44	1.29
4082.00	19.65	387.05	1.45	1.30
4296.00	19.67	387.03	1.47	1.32
6270.00	19.73	386.97	1.53	1.36
7410.00	19.78	386.92	1.58	1.40
8400.00	18.87	387.83	0.67	0.64

PZ-16

Static (DTW): 18.20
Aquifer Thickness: 7.00
Well Depth:
Screen Length:
Measuring Point: 406.70

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
10080.00	18.74	387.96	0.54	0.52
11850.00	19.70	387.00	1.50	1.34
13260.00	19.81	386.89	1.61	1.42
14820.00	19.86	386.84	1.66	1.46
15900.00	19.90	386.80	1.70	1.49
17640.00	19.94	386.76	1.74	1.52
21930.00	19.97	386.73	1.77	1.55

PZ-17

atic (DTW): 18.44
 Aquifer Thickness: 8.00
 Well Depth:
 Screen Length:
 Measuring Point: 407.61

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
16.00	18.44	389.17	0.00	0.00
21.00	18.45	389.16	0.01	0.01
26.50	18.45	389.16	0.01	0.01
31.00	18.46	389.15	0.02	0.02
36.50	18.47	389.14	0.03	0.03
41.50	18.48	389.13	0.04	0.04
46.50	18.49	389.12	0.05	0.05
51.00	18.50	389.11	0.06	0.06
56.00	18.51	389.10	0.07	0.07
61.00	18.51	389.10	0.07	0.07
72.00	18.53	389.08	0.09	0.09
81.00	18.54	389.07	0.10	0.10
91.00	18.55	389.06	0.11	0.11
101.00	18.56	389.05	0.12	0.12
111.50	18.58	389.03	0.14	0.14
121.00	18.59	389.02	0.15	0.15
157.00	18.60	389.01	0.16	0.16
187.00	18.63	388.98	0.19	0.19
217.00	18.65	388.96	0.21	0.21
247.00	18.67	388.94	0.23	0.23
277.00	18.68	388.93	0.24	0.24
307.00	18.70	388.91	0.26	0.26
337.00	18.72	388.89	0.28	0.28
367.00	18.74	388.87	0.30	0.29
397.00	18.74	388.87	0.30	0.29
427.00	18.75	388.86	0.31	0.30
457.00	18.78	388.83	0.34	0.33
487.00	18.78	388.83	0.34	0.33
517.00	18.80	388.81	0.36	0.35
544.00	18.78	388.83	0.34	0.33
604.00	18.81	388.80	0.37	0.36
664.00	18.84	388.77	0.40	0.39
724.00	18.85	388.76	0.41	0.40
784.00	18.83	388.78	0.39	0.38
844.00	18.86	388.75	0.42	0.41
904.00	18.87	388.74	0.43	0.42
964.00	18.89	388.72	0.45	0.44

PZ-17

atic (DTW): 18.44
 Aquifer Thickness: 8.00
 Well Depth:
 Screen Length:
 Measuring Point: 407.61

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
1024.00	18.89	388.72	0.45	0.44
1084.00	18.90	388.71	0.46	0.45
1144.00	18.92	388.69	0.48	0.47
1204.00	18.92	388.69	0.48	0.47
1264.00	18.94	388.67	0.50	0.48
1324.00	18.95	388.66	0.51	0.49
1384.00	18.95	388.66	0.51	0.49
1444.00	18.96	388.65	0.52	0.50
1564.00	18.98	388.63	0.54	0.52
1684.00	18.99	388.62	0.55	0.53
1802.00	19.00	388.61	0.56	0.54
1927.00	19.02	388.59	0.58	0.56
2042.00	19.03	388.58	0.59	0.57
2162.00	19.05	388.56	0.61	0.59
2282.00	19.06	388.55	0.62	0.60
2402.00	19.07	388.54	0.63	0.61
2522.00	19.08	388.53	0.64	0.61
2642.00	19.09	388.52	0.65	0.62
2762.00	19.09	388.52	0.65	0.62
2882.00	19.04	388.57	0.60	0.58
3122.00	19.10	388.51	0.66	0.63
3362.00	19.12	388.49	0.68	0.65
3602.00	19.13	388.48	0.69	0.66
3842.00	19.14	388.47	0.70	0.67
4082.00	19.15	388.46	0.71	0.68
4296.00	19.15	388.46	0.71	0.68
6270.00	19.22	388.39	0.78	0.74
7410.00	19.26	388.35	0.82	0.78
8400.00	18.91	388.70	0.47	0.46
10080.00	18.75	388.86	0.31	0.30
11850.00	19.23	388.38	0.79	0.75
13260.00	19.35	388.26	0.91	0.86
14820.00	19.39	388.22	0.95	0.89
15900.00	19.44	388.17	1.00	0.94
17649.00	19.47	388.14	1.03	0.96
1930.00	19.54	388.07	1.10	1.02

PZ-18

Static (DTW): 18.44
 Aquifer Thickness: 6.00
 Well Depth:
 Screen Length:
 Measuring Point: 406.32

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
1.00	18.44	387.88	0.00	0.00
2.00	18.45	387.87	0.01	0.01
3.00	18.45	387.87	0.01	0.01
4.00	18.46	387.86	0.02	0.02
5.00	18.47	387.85	0.03	0.03
6.50	18.49	387.83	0.05	0.05
7.50	18.51	387.81	0.07	0.07
8.50	18.52	387.80	0.08	0.08
9.50	18.53	387.79	0.09	0.09
10.50	18.55	387.77	0.11	0.11
12.00	18.55	387.77	0.11	0.11
12.50	18.57	387.75	0.13	0.13
13.50	18.57	387.75	0.13	0.13
14.50	18.58	387.74	0.14	0.14
20.00	18.60	387.72	0.16	0.16
25.00	18.62	387.70	0.18	0.18
30.00	18.63	387.69	0.19	0.19
35.00	18.65	387.67	0.21	0.21
40.00	18.66	387.66	0.22	0.22
45.00	18.67	387.65	0.23	0.23
50.00	18.67	387.65	0.23	0.23
55.00	18.70	387.62	0.26	0.25
60.00	18.70	387.62	0.26	0.25
70.00	18.71	387.61	0.27	0.26
80.00	18.72	387.60	0.28	0.27
90.00	18.73	387.59	0.29	0.28
100.00	18.74	387.58	0.30	0.29
110.00	18.75	387.57	0.31	0.30
120.00	18.76	387.56	0.32	0.31
155.00	18.78	387.54	0.34	0.33
185.00	18.80	387.52	0.36	0.35
215.00	18.81	387.51	0.37	0.36
245.00	18.83	387.49	0.39	0.38
275.00	18.84	387.48	0.40	0.39
305.00	18.84	387.48	0.40	0.39
335.00	18.86	387.46	0.42	0.41
365.00	18.88	387.44	0.44	0.42

PZ-18

Static (DTW): 18.44
 Aquifer Thickness: 6.00
 Well Depth:
 Screen Length:
 Measuring Point: 406.32

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
395.00	18.88	387.44	0.44	0.42
425.00	18.88	387.44	0.44	0.42
455.00	18.89	387.43	0.45	0.43
485.00	18.90	387.42	0.46	0.44
515.00	18.91	387.41	0.47	0.45
543.00	18.89	387.43	0.45	0.43
603.00	18.89	387.43	0.45	0.43
663.00	18.89	387.43	0.45	0.43
723.00	18.90	387.42	0.46	0.44
783.00	18.75	387.57	0.31	0.30
843.00	18.82	387.50	0.38	0.37
903.00	18.85	387.47	0.41	0.40
963.00	18.86	387.46	0.42	0.41
1023.00	18.85	387.47	0.41	0.40
1083.00	18.86	387.46	0.42	0.41
1143.00	18.85	387.47	0.41	0.40
1203.00	18.85	387.47	0.41	0.40
1263.00	18.85	387.47	0.41	0.40
1323.00	18.84	387.48	0.40	0.39
1383.00	18.84	387.48	0.40	0.39
1443.00	18.84	387.48	0.40	0.39
1563.00	18.83	387.49	0.39	0.38
1683.00	18.82	387.50	0.38	0.37
1802.00	18.82	387.50	0.38	0.37
1926.00	18.81	387.51	0.37	0.36
2041.00	18.81	387.51	0.37	0.36
2161.00	18.81	387.51	0.37	0.36
2281.00	18.82	387.50	0.38	0.37
2401.00	18.82	387.50	0.38	0.37
2521.00	18.82	387.50	0.38	0.37
2641.00	18.83	387.49	0.39	0.38
2761.00	18.81	387.51	0.37	0.36
2881.00	18.82	387.50	0.38	0.37
3121.00	18.82	387.50	0.38	0.37
3362.00	18.83	387.49	0.39	0.38
3602.00	18.84	387.48	0.40	0.39
3842.00	18.84	387.48	0.40	0.39

PZ-18

Static (DTW): 18.44
Aquifer Thickness: 6.00
Well Depth:
Screen Length:
Measuring Point: 406.32

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
4082.00	18.86	387.46	0.42	0.41
4296.00	18.86	387.46	0.42	0.41
6270.00	18.80	387.52	0.36	0.35
7410.00	18.78	387.54	0.34	0.33
8400.00	18.49	387.83	0.05	0.05
10080.00	18.86	387.46	0.42	0.41
11850.00	19.09	387.23	0.65	0.61
13260.00	18.98	387.34	0.54	0.52
14820.00	18.95	387.37	0.51	0.49
15900.00	18.92	387.40	0.48	0.46
17640.00	18.93	387.39	0.49	0.47
21930.00	18.89	387.43	0.45	0.43

PZ-19

Static (DTW): 17.81
 Aquifer Thickness: 7.00
 Well Depth:
 Screen Length:
 Measuring Point: 406.90

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
17.00	17.81	389.09	0.00	0.00
22.00	17.82	389.08	0.01	0.01
27.00	17.84	389.06	0.03	0.03
32.00	17.85	389.05	0.04	0.04
37.00	17.85	389.05	0.04	0.04
42.00	17.86	389.04	0.05	0.05
47.00	17.87	389.03	0.06	0.06
52.00	17.88	389.02	0.07	0.07
57.00	17.89	389.01	0.08	0.08
62.00	17.89	389.01	0.08	0.08
73.00	17.90	389.00	0.09	0.09
82.00	17.91	388.99	0.10	0.10
92.00	17.92	388.98	0.11	0.11
102.00	17.93	388.97	0.12	0.12
112.00	17.94	388.96	0.13	0.13
122.00	17.95	388.95	0.14	0.14
158.00	17.96	388.94	0.15	0.15
188.00	17.98	388.92	0.17	0.17
218.00	18.01	388.89	0.20	0.20
248.00	18.03	388.87	0.22	0.22
278.00	18.04	388.86	0.23	0.23
308.00	18.04	388.86	0.23	0.23
338.00	18.06	388.84	0.25	0.25
368.00	18.09	388.81	0.28	0.27
398.00	18.09	388.81	0.28	0.27
428.00	18.10	388.80	0.29	0.28
458.00	18.12	388.78	0.31	0.30
488.00	18.13	388.77	0.32	0.31
518.00	18.15	388.75	0.34	0.33
540.00	18.13	388.77	0.32	0.31
600.00	18.15	388.75	0.34	0.33
660.00	18.18	388.72	0.37	0.36
720.00	18.20	388.70	0.39	0.38
780.00	18.14	388.76	0.33	0.32
840.00	18.21	388.69	0.40	0.39
900.00	18.21	388.69	0.40	0.39
960.00	18.23	388.67	0.42	0.41

PZ-19

Static (DTW): 17.81
 Aquifer Thickness: 7.00
 Well Depth:
 Screen Length:
 Measuring Point: 406.90

TIME (min)	DTW (feet)	Elevation (feet)	Drawdown (feet)	Drawdown Corrected
1020.00	18.23	388.67	0.42	0.41
1080.00	18.24	388.66	0.43	0.42
1140.00	18.25	388.65	0.44	0.43
1200.00	18.26	388.64	0.45	0.44
1260.00	18.27	388.63	0.46	0.44
1320.00	18.30	388.60	0.49	0.47
1380.00	18.30	388.60	0.49	0.47
1440.00	18.31	388.59	0.50	0.48
1560.00	18.31	388.59	0.50	0.48
1680.00	18.33	388.57	0.52	0.50
1800.00	18.33	388.57	0.52	0.50
1925.00	18.34	388.56	0.53	0.51
2040.00	18.36	388.54	0.55	0.53
2180.00	18.37	388.53	0.56	0.54
2280.00	18.38	388.52	0.57	0.55
2400.00	18.40	388.50	0.59	0.57
2520.00	18.41	388.49	0.60	0.57
2640.00	18.42	388.48	0.61	0.58
2760.00	18.43	388.47	0.62	0.59
2880.00	18.43	388.47	0.62	0.59
3120.00	18.44	388.46	0.63	0.60
3360.00	18.46	388.44	0.65	0.62
3600.00	18.47	388.43	0.66	0.63
3840.00	18.48	388.42	0.67	0.64
4080.00	18.50	388.40	0.69	0.66
4295.00	18.51	388.39	0.70	0.67
6270.00	18.58	388.32	0.77	0.73
7410.00	18.61	388.29	0.80	0.75
8400.00	18.26	388.64	0.45	0.44
10080.00	18.16	388.74	0.35	0.34
11850.00	18.58	388.32	0.77	0.73
13260.00	18.68	388.22	0.87	0.82
14820.00	18.72	388.18	0.91	0.85
15900.00	18.75	388.15	0.94	0.88
17640.00	18.78	388.12	0.97	0.90
1930.00	18.84	388.06	1.03	0.95

APPENDIX F

2-HOUR PRESSURE TRANSDUCER DATA

Date Thursday July 14, 1994 1:16 PM

PlotFile A:\RW6PUM01.PRN

ataFile A:\RW6PUM01.WK1

MAESTRI SITE

Time of First Log in Specified Window

07/14/94 10:59:50

				Analog#01 RW-6.....	Drawdown	Analog#02 PZ-5.....	Drawdown
	Time	Time					
07/14/94	10:59:50	0		10.07	0	10.5	0
07/14/94	11:00:20	00:00:30	0.511959	9.4638	0.6062	10.496	0.004
07/14/94	11:00:50	00:01:01	1.016667	8.8033	1.2667	10.492	0.008
07/14/94	11:01:20	00:01:31	1.519924	8.3377	1.7323	10.489	0.011
07/14/94	11:01:50	00:02:01	2.023181	7.8829	2.1871	10.478	0.022
07/14/94	11:02:20	00:02:31	2.526438	7.5147	2.5553	10.471	0.029
07/14/94	11:02:51	00:03:01	3.032596	7.1682	2.9018	10.464	0.036
07/14/94	11:03:50	00:04:01	4.03766	6.5294	3.5406	10.449	0.051
07/14/94	11:04:50	00:05:00	5.044174	5.9771	4.0929	10.438	0.062
07/14/94	11:05:50	00:06:01	6.052139	5.479	4.591	10.42	0.08
07/14/94	11:06:50	00:07:01	7.058653	5.0351	5.0349	10.406	0.094
07/14/94	11:07:50	00:08:01	8.066618	4.6344	5.4356	10.388	0.112
07/14/94	11:08:50	00:09:01	9.073132	4.2446	5.8254	10.377	0.123
07/14/94	11:09:50	00:10:01	10.0811	3.8981	6.1719	10.363	0.137
07/14/94	11:10:50	00:11:01	11.08761	3.5191	6.5509	10.355	0.145
07/14/94	11:11:50	00:12:01	12.09558	3.1293	6.9407	10.344	0.156
07/14/94	11:12:50	00:13:01	13.10209	2.7503	7.3197	10.334	0.166
07/14/94	11:13:50	00:14:00	14.1086	2.3497	7.7203	10.326	0.174
07/14/94	11:14:50	00:15:01	15.11802	1.9707	8.0993	10.316	0.184
07/14/94	11:19:50	00:20:01	20.15204	0.18408	9.88592	10.276	0.224
07/14/94	11:24:50	00:25:01	25.18751	3.0752	6.9948	10.243	0.257
07/14/94	11:29:50	00:30:01	30.22444	0.82294	9.24706	10.218	0.282
07/14/94	11:34:50	00:35:01	35.25991	2.1007	7.9693	10.189	0.311
07/14/94	11:39:50	00:40:01	40.29538	1.451	8.619	10.175	0.325
07/14/94	11:44:50	00:45:01	45.33085	0.94205	9.12795	10.142	0.358
07/14/94	11:49:50	00:50:00	50.36633	1.9924	8.0776	10.128	0.372
07/14/94	11:54:50	00:55:01	55.40325	0.2707	9.7993	10.113	0.387
07/14/94	11:59:50	01:00:01	60.44017	2.3172	7.7528	10.103	0.397
07/14/94	12:09:50	01:10:01	70.50967	2.6962	7.3738	10.081	0.419
07/14/94	12:19:50	01:20:01	80.58206	3.0102	7.0598	10.03	0.47
07/14/94	12:29:50	01:30:01	90.65301	3.2593	6.8107	10.023	0.477
07/14/94	12:39:50	01:40:01	100.7254	2.9994	7.0706	10.002	0.498
07/14/94	12:49:50	01:50:01	110.7963	2.5663	7.5037	9.9727	0.5273
07/14/94	12:59:50	02:00:01	120.8687	2.6204	7.4496	9.9547	0.5453
07/14/94	13:09:50	02:10:01	130.9397	2.6312	7.4388	9.9438	0.5562

Date Thursday July 14, 1994 1:16 PM

PlotFile A:\RW6PUM01.PRN

PlotFile A:\RW6PUM01.WK1

MAESTRI SITE

Time of First Log in Specified Window

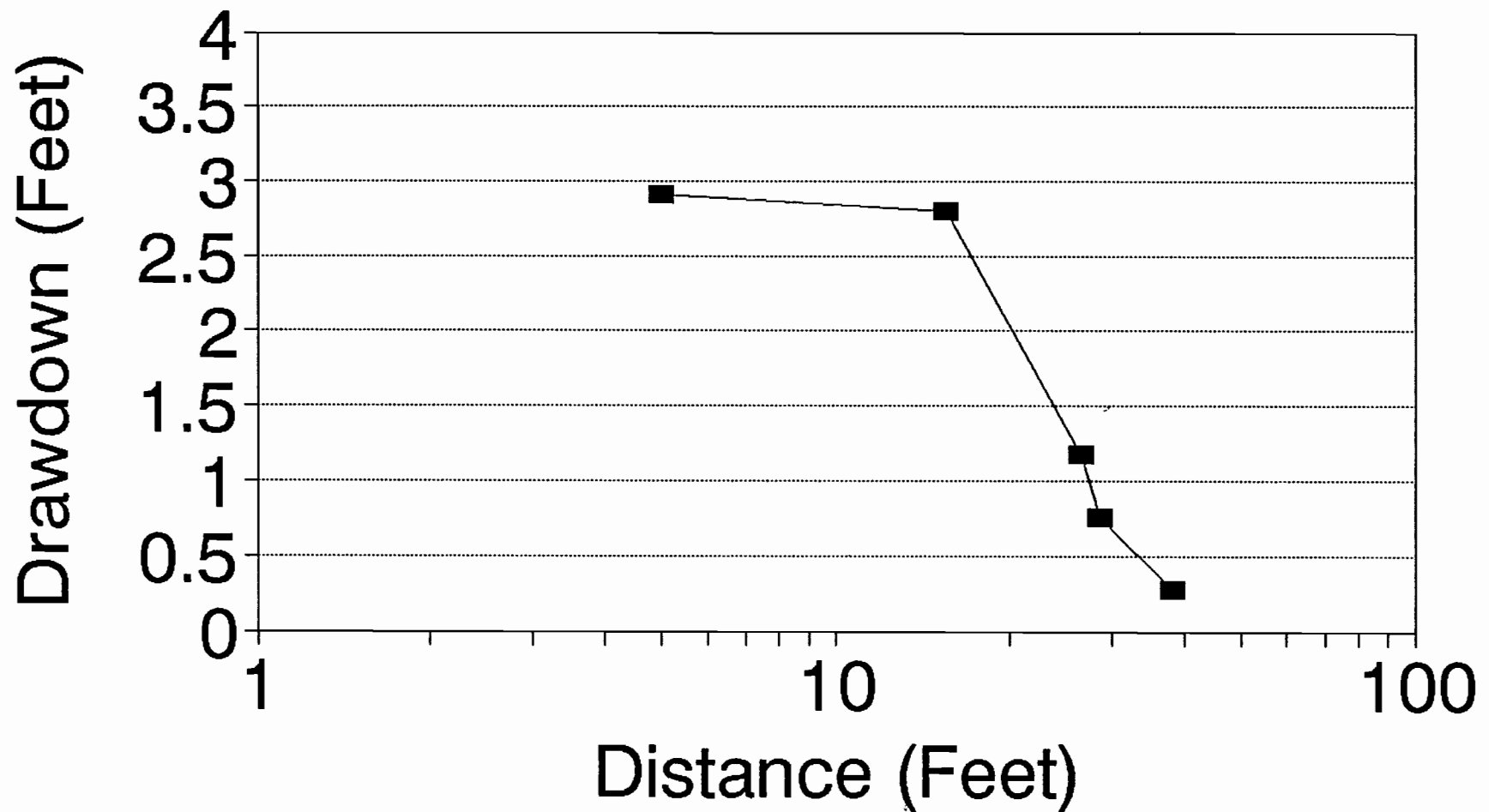
07/14/94 10:59:50

				Analog#03 PZ-4.....	Drawdown	Analog#04 MW-17.....	Drawdown
	Time	Time					
07/14/94	10:59:50	0		7.2151	0	11.485	0
07/14/94	11:00:20	00:00:30	0.511959	7.2224	-0.0073	11.485	0
07/14/94	11:00:50	00:01:01	1.016667	7.2224	-0.0073	11.489	-0.004
07/14/94	11:01:20	00:01:31	1.519924	7.2188	-0.0037	11.485	0
07/14/94	11:01:50	00:02:01	2.023181	7.2188	-0.0037	11.485	0
07/14/94	11:02:20	00:02:31	2.526438	7.2151	0	11.485	0
07/14/94	11:02:51	00:03:01	3.032596	7.2188	-0.0037	11.485	0
07/14/94	11:03:50	00:04:01	4.03766	7.2188	-0.0037	11.489	-0.004
07/14/94	11:04:50	00:05:00	5.044174	7.2224	-0.0073	11.485	0
07/14/94	11:05:50	00:06:01	6.052139	7.2188	-0.0037	11.485	0
07/14/94	11:06:50	00:07:01	7.058653	7.2188	-0.0037	11.478	0.007
07/14/94	11:07:50	00:08:01	8.066618	7.2188	-0.0037	11.474	0.011
07/14/94	11:08:50	00:09:01	9.073132	7.2151	0	11.471	0.014
07/14/94	11:09:50	00:10:01	10.0811	7.2151	0	11.471	0.014
07/14/94	11:10:50	00:11:01	11.08761	7.2151	0	11.467	0.018
07/14/94	11:11:50	00:12:01	12.09558	7.2151	0	11.471	0.014
07/14/94	11:12:50	00:13:01	13.10209	7.2188	-0.0037	11.46	0.025
07/14/94	11:13:50	00:14:00	14.1086	7.2188	-0.0037	11.456	0.029
07/14/94	11:14:50	00:15:01	15.11802	7.2151	0	11.456	0.029
07/14/94	11:19:50	00:20:01	20.15204	7.2188	-0.0037	11.442	0.043
07/14/94	11:24:50	00:25:01	25.18751	7.2151	0	11.427	0.058
07/14/94	11:29:50	00:30:01	30.22444	7.2151	0	11.416	0.069
07/14/94	11:34:50	00:35:01	35.25991	7.2115	0.0036	11.402	0.083
07/14/94	11:39:50	00:40:01	40.29538	7.2079	0.0072	11.388	0.097
07/14/94	11:44:50	00:45:01	45.33085	7.2079	0.0072	11.373	0.112
07/14/94	11:49:50	00:50:00	50.36633	7.2079	0.0072	11.366	0.119
07/14/94	11:54:50	00:55:01	55.40325	7.2043	0.0108	11.359	0.126
07/14/94	11:59:50	01:00:01	60.44017	7.2079	0.0072	11.355	0.13
07/14/94	12:09:50	01:10:01	70.50967	7.2079	0.0072	11.337	0.148
07/14/94	12:19:50	01:20:01	80.58206	7.1935	0.0216	11.308	0.177
07/14/94	12:29:50	01:30:01	90.65301	7.1971	0.018	11.301	0.184
07/14/94	12:39:50	01:40:01	100.7254	7.1971	0.018	11.294	0.191
07/14/94	12:49:50	01:50:01	110.7963	7.1935	0.0216	11.272	0.213
07/14/94	12:59:50	02:00:01	120.8687	7.1935	0.0216	11.258	0.227
07/14/94	13:09:50	02:10:01	130.9397	7.1899	0.0252	11.258	0.227

APPENDIX G
DISTANCE DRAWDOWN PLOTS

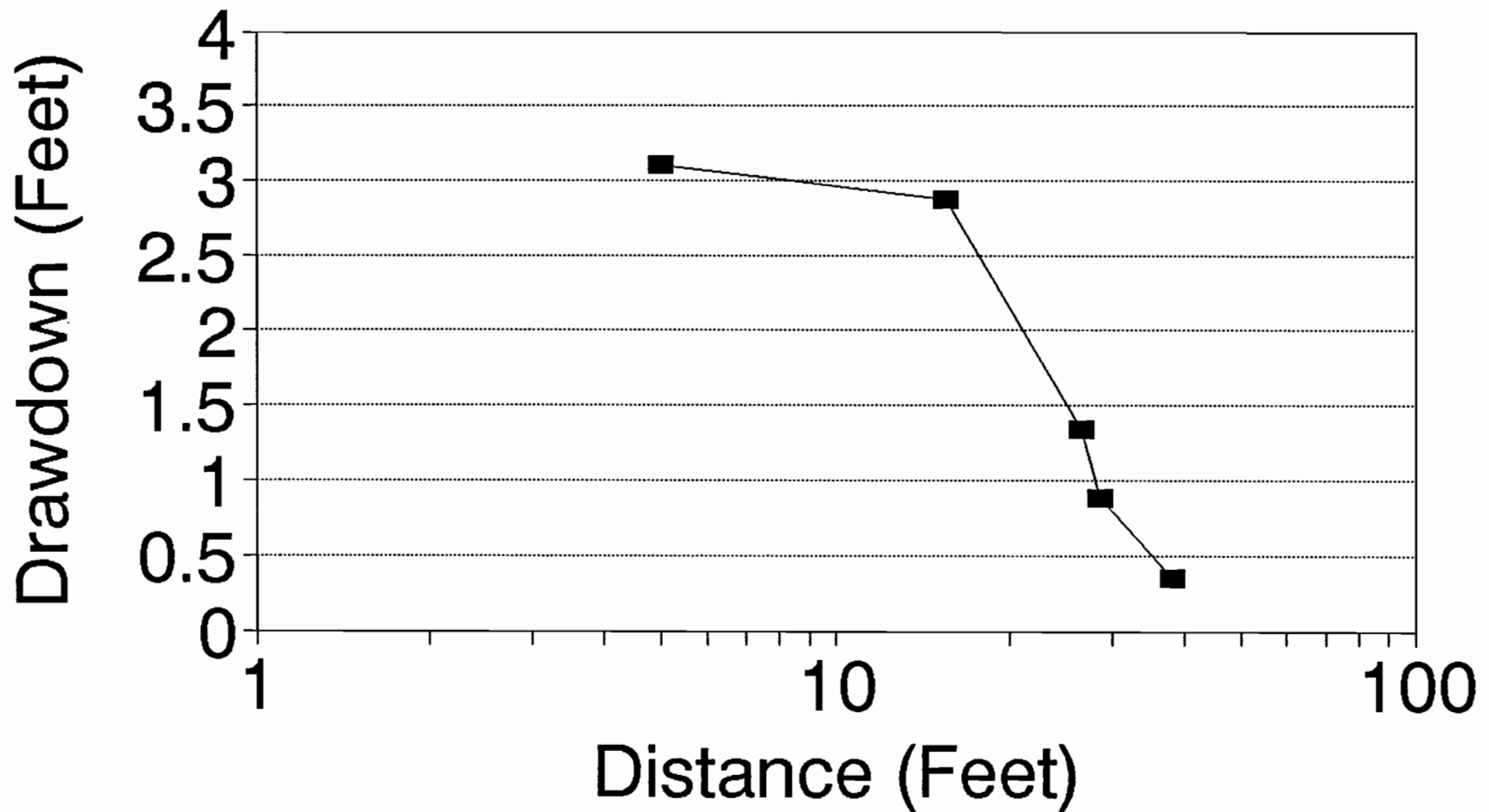
Maestri Site

RW-1 (24 Hr)



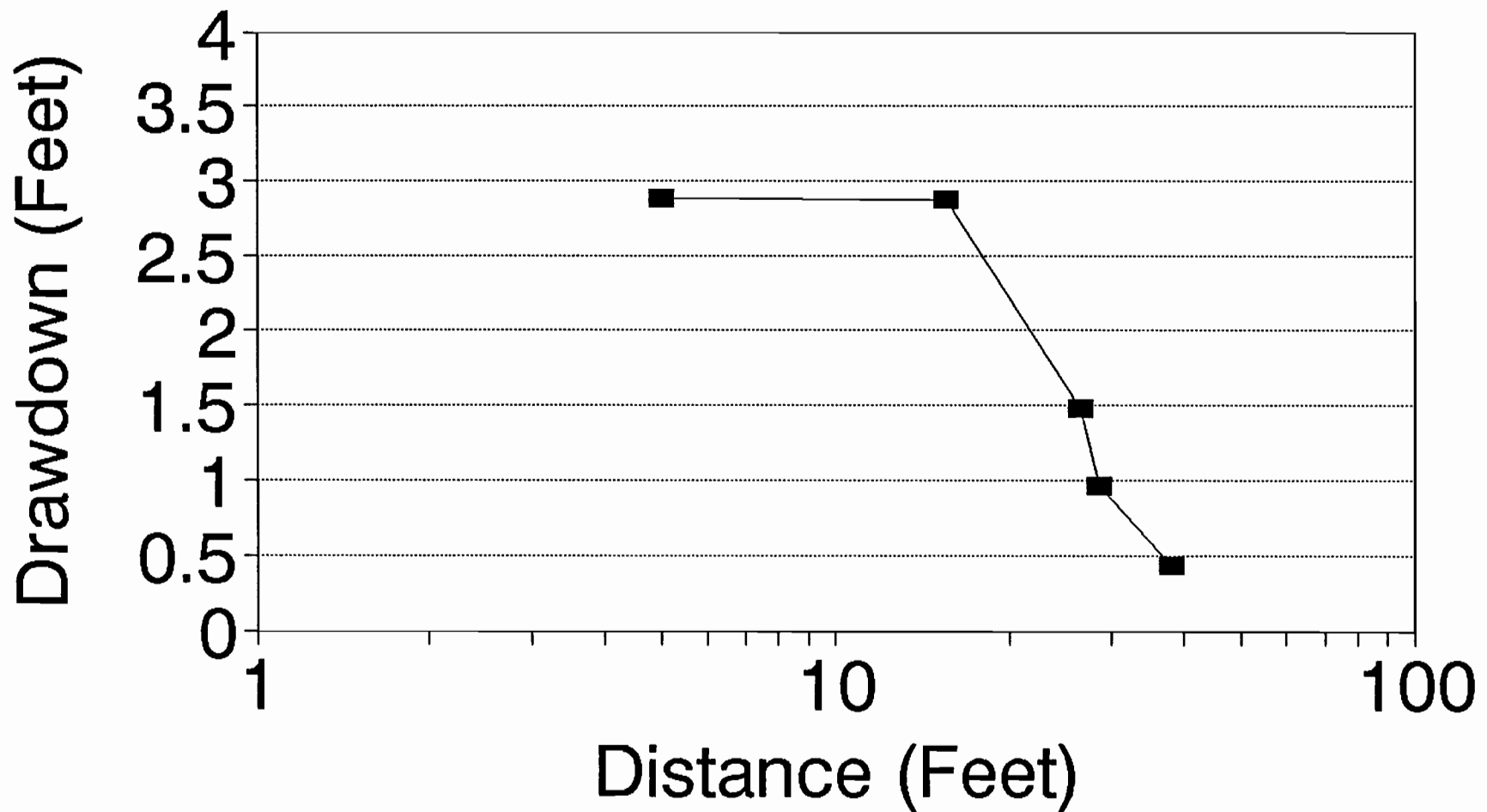
Maestri Site

RW-1 (48 Hr)



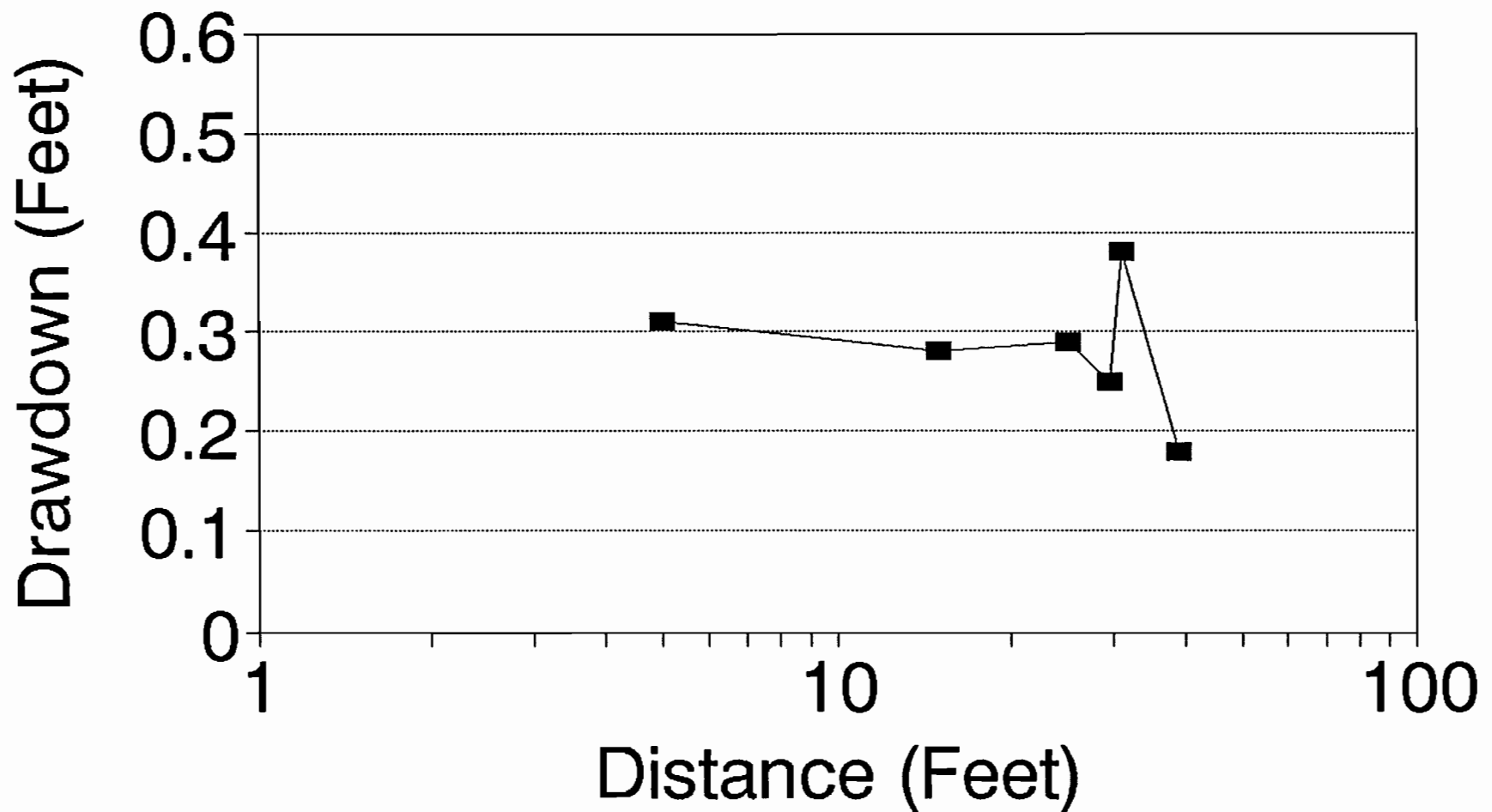
Maestri Site

RW-1 (72 Hr)



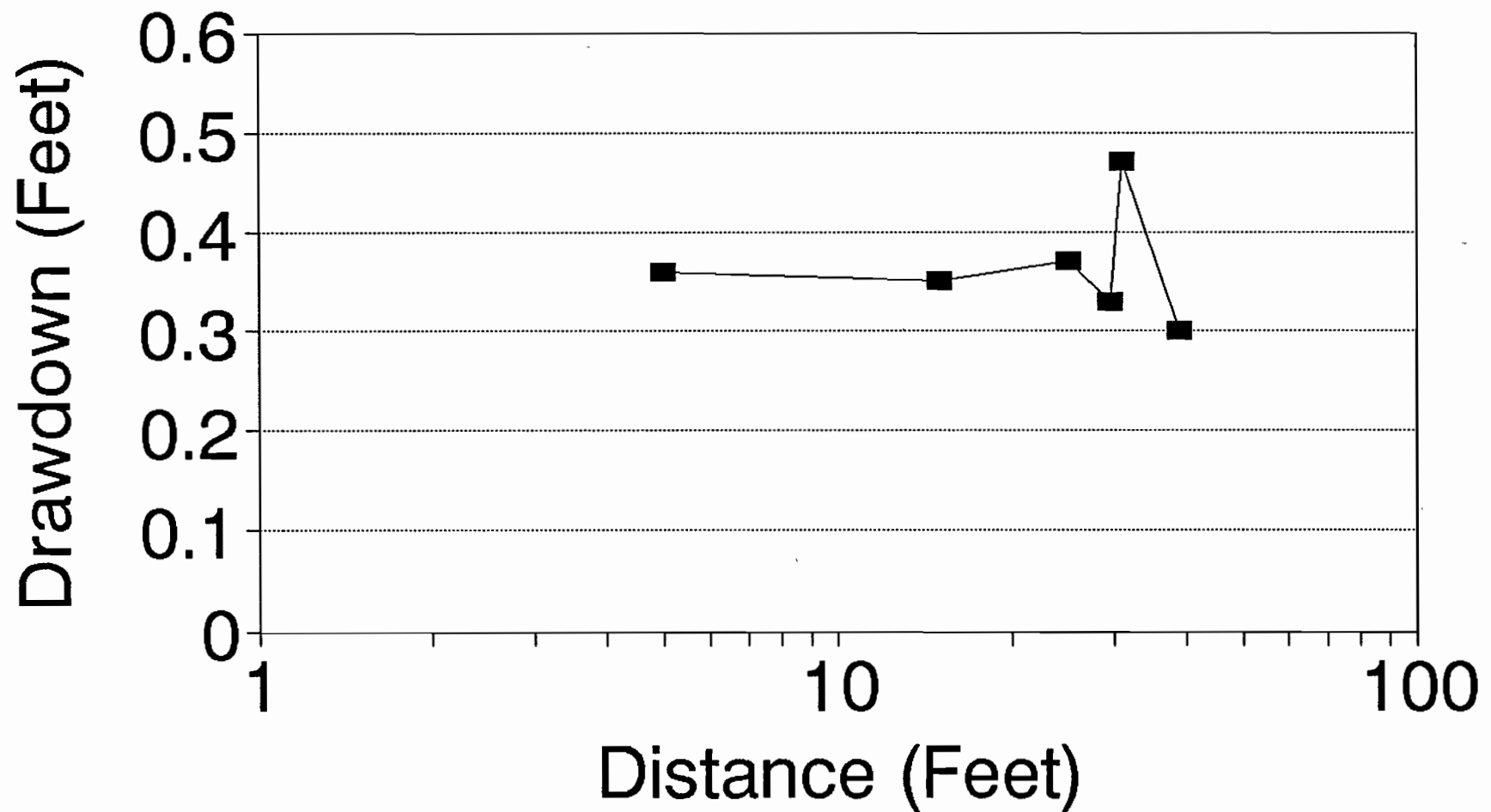
Maestri Site

RW-2 (24 Hr)



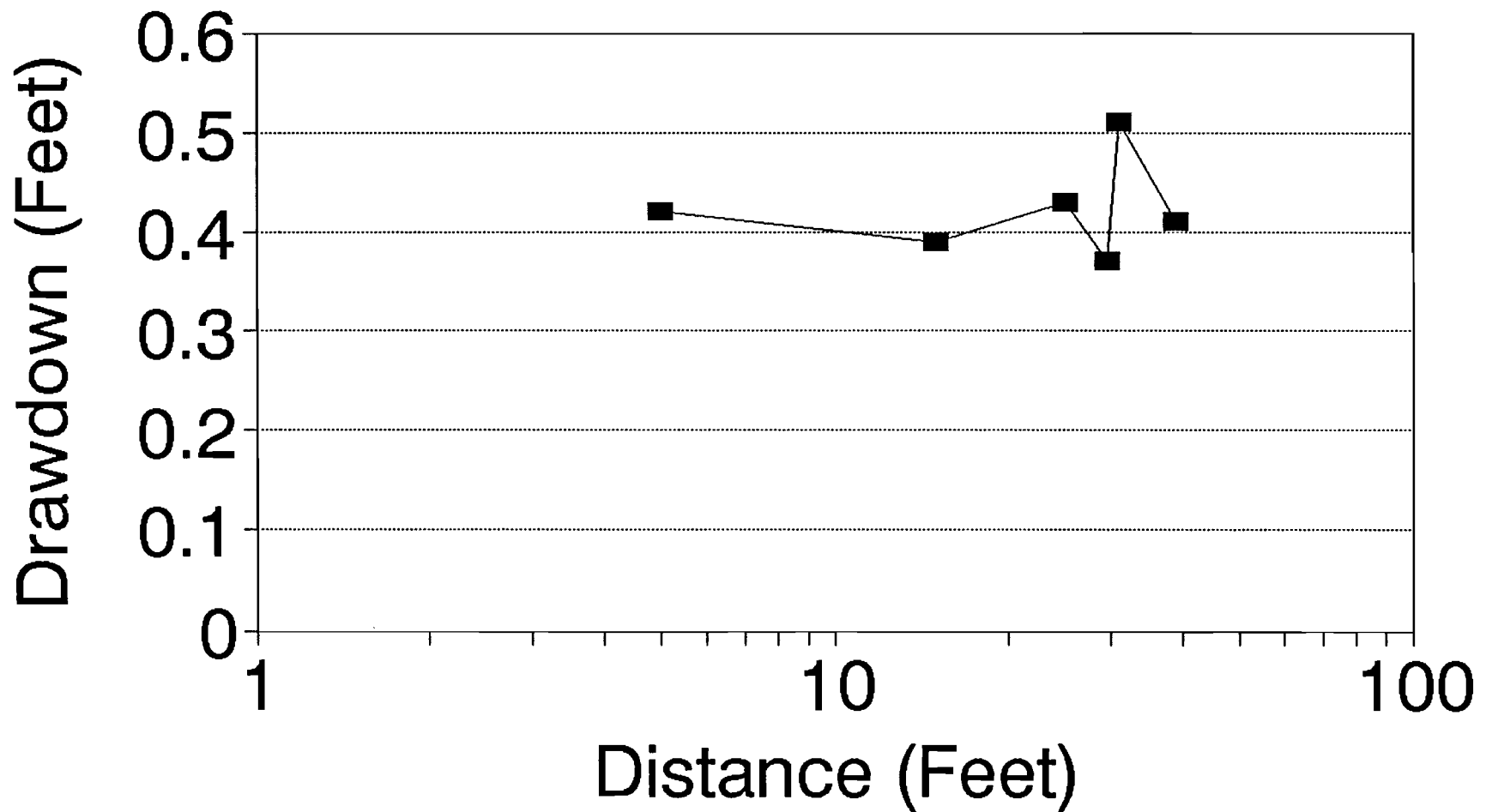
Maestri Site

RW-2 (48 Hr)



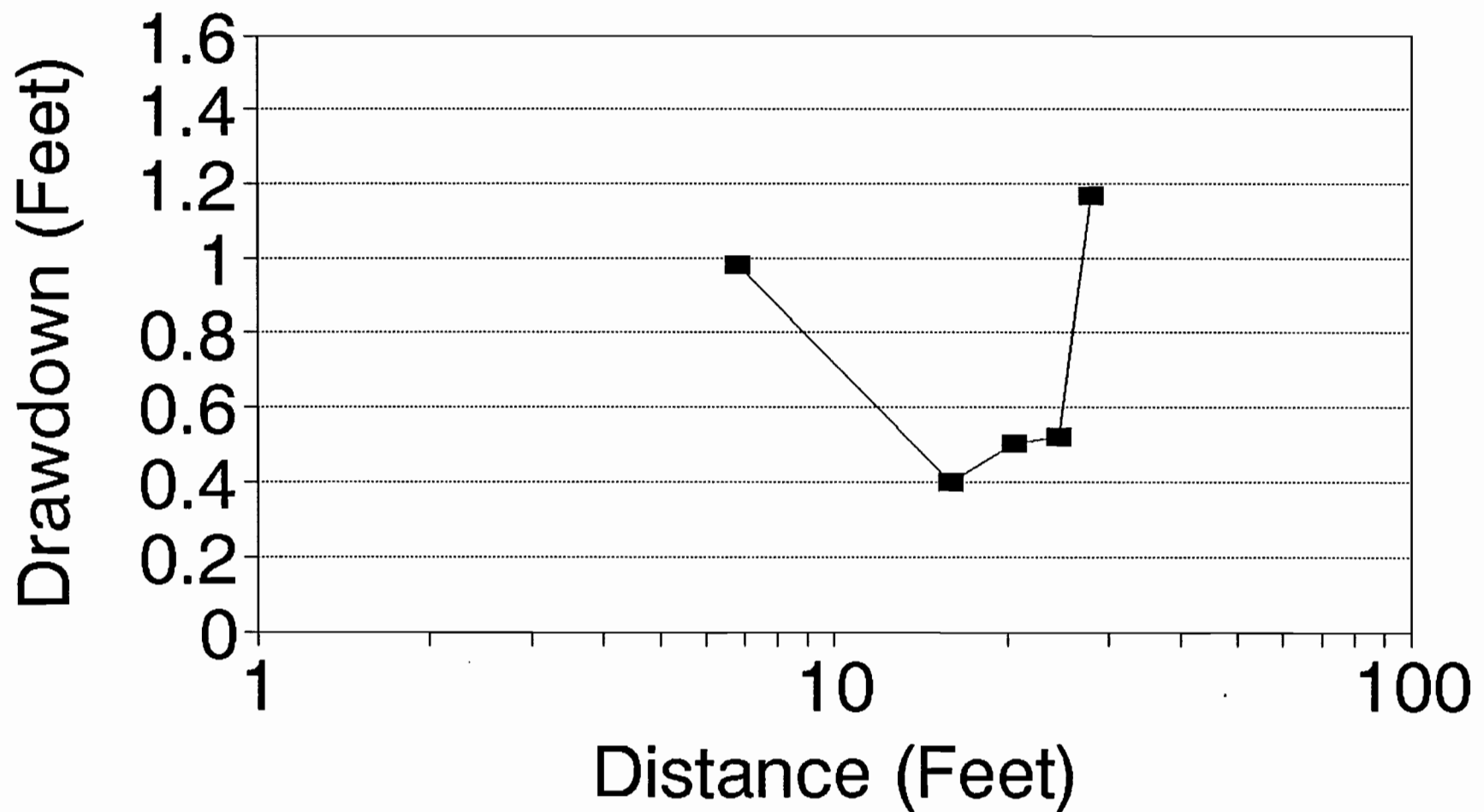
Maestri Site

RW-2 (72 Hr)



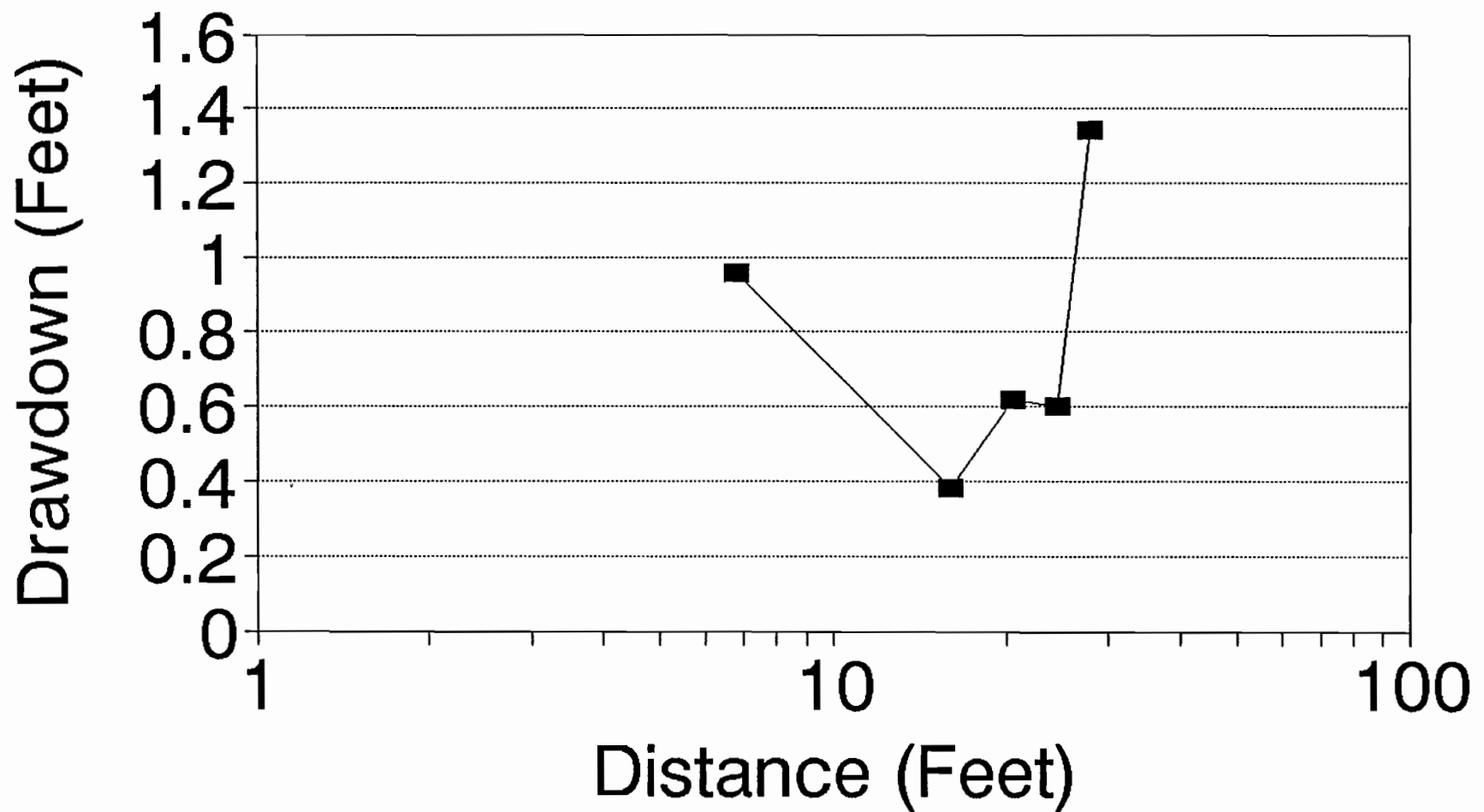
Maestri Site

RW-3 (24 Hr)



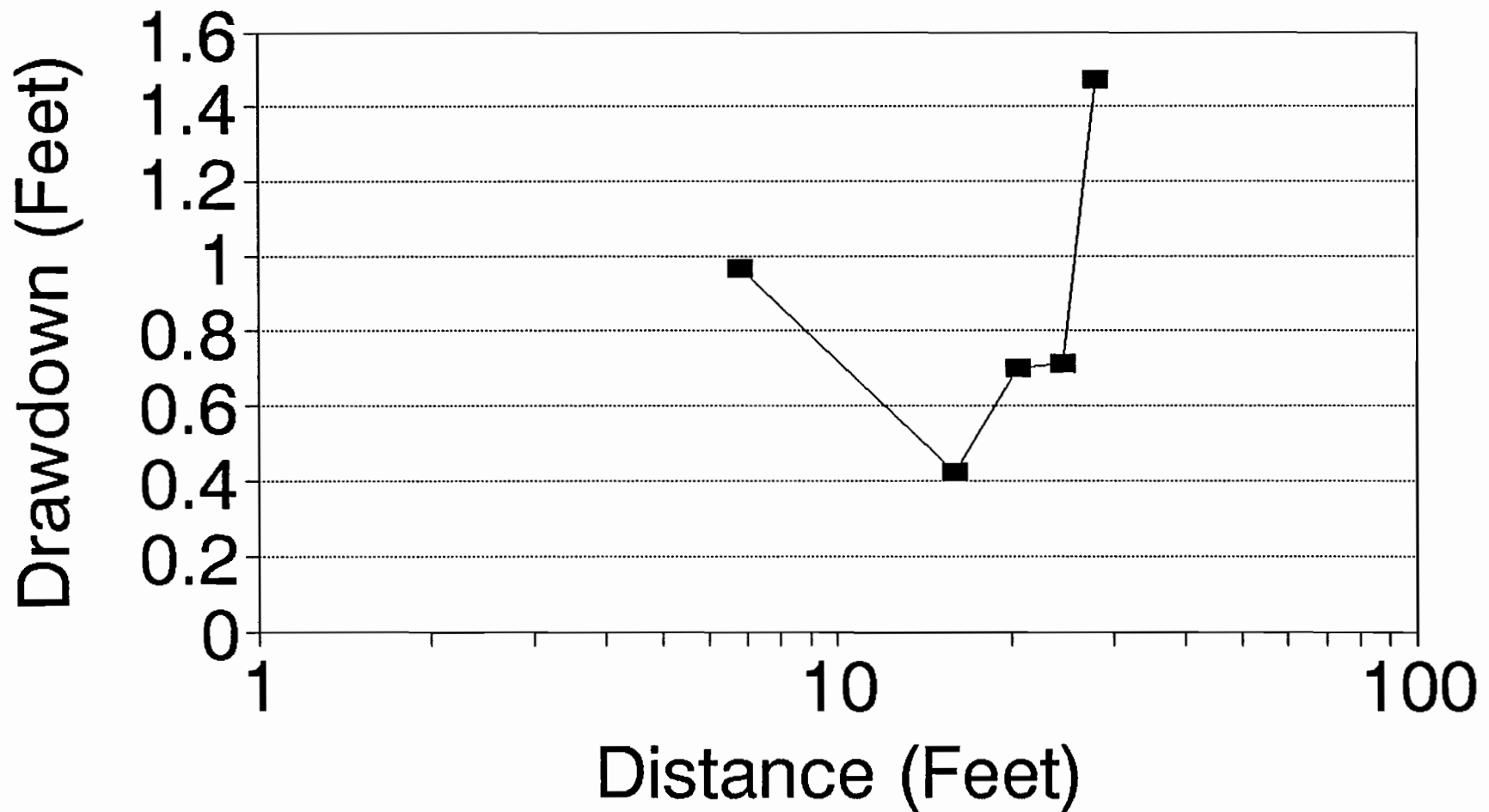
Maestri Site

RW-3 (48 Hr)



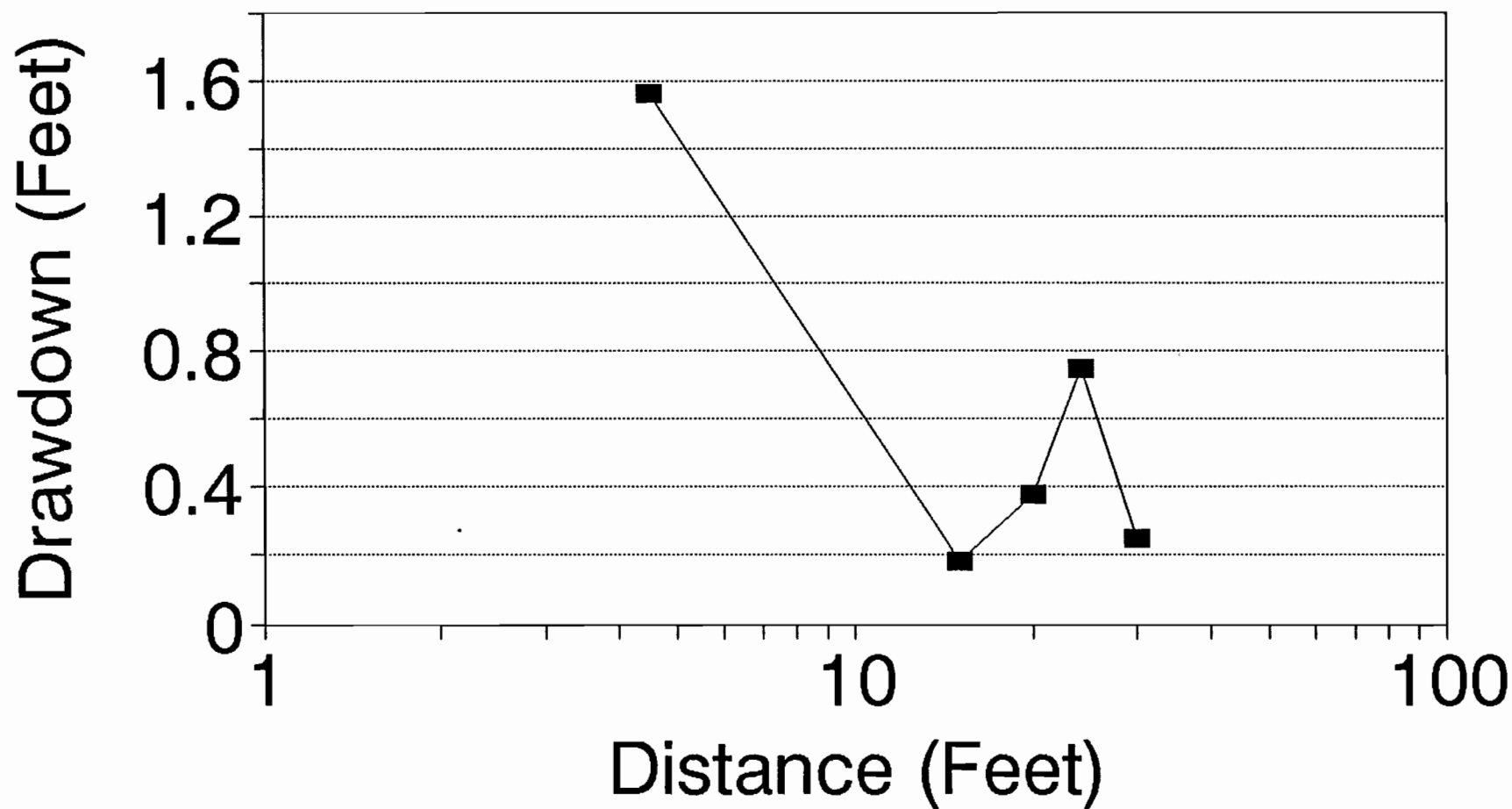
Maestri Site

RW-3 (72 Hr)



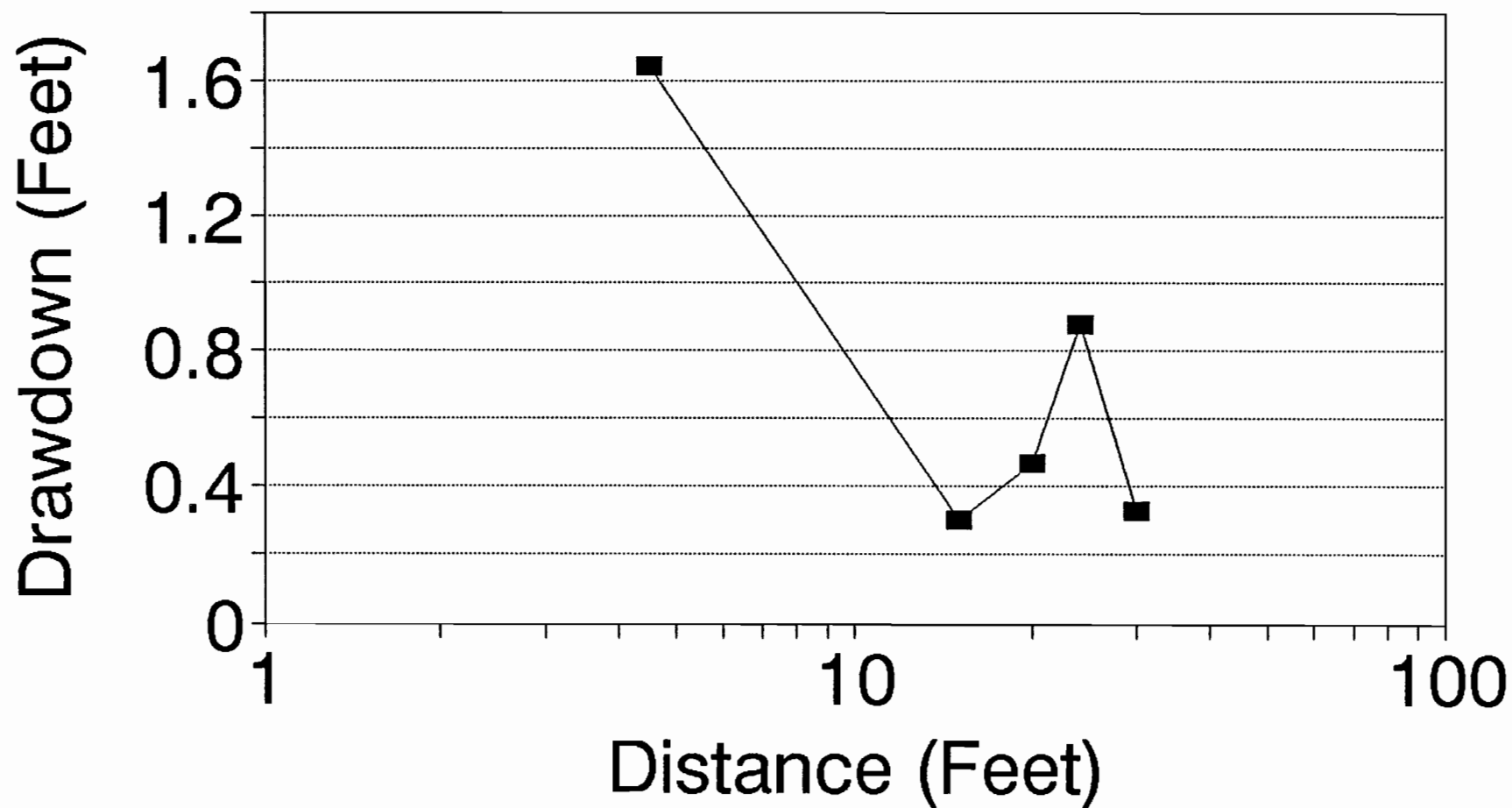
Maestri Site

RW-4 (24 Hr)



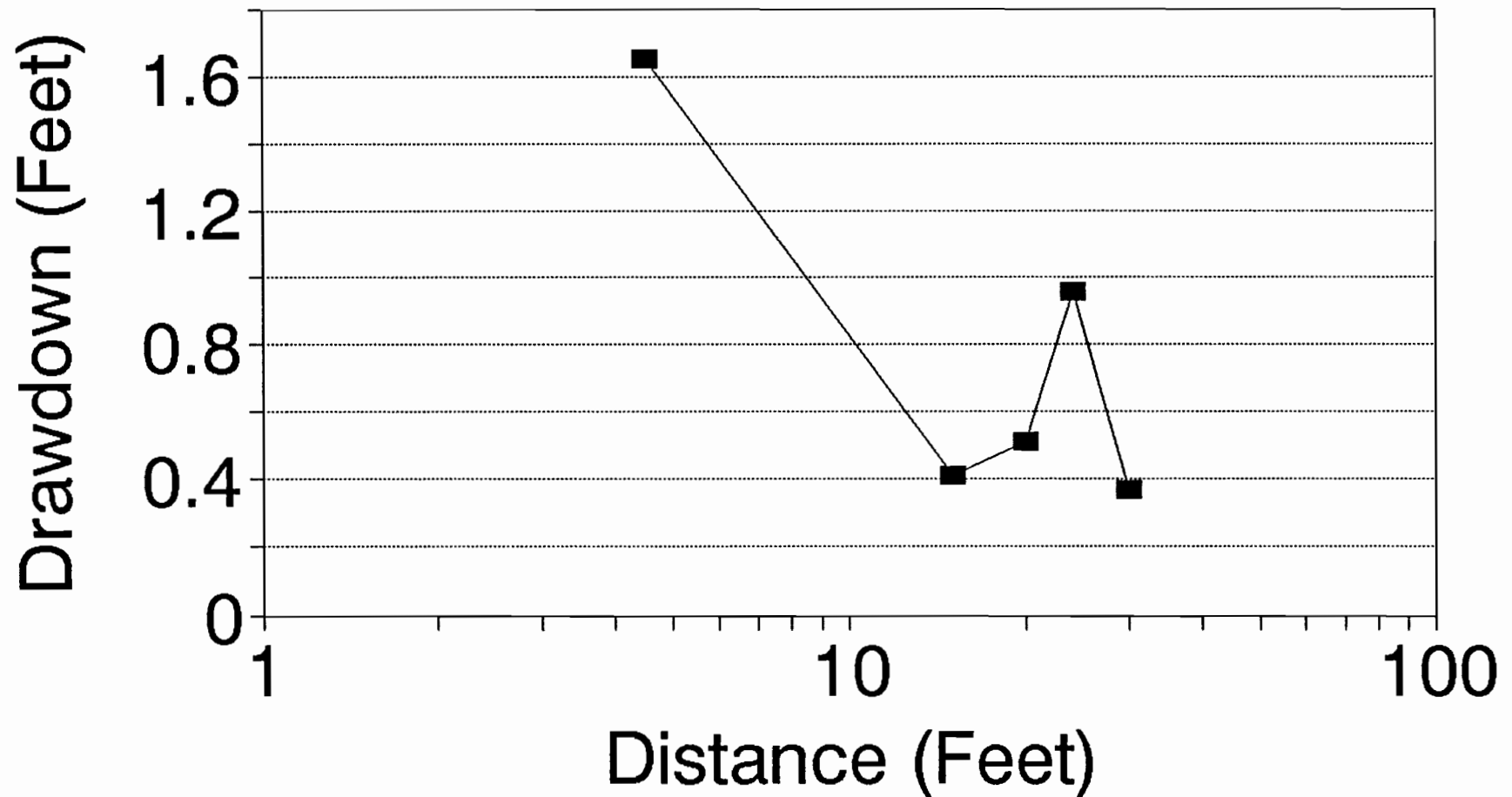
Maestri Site

RW-4 (48 Hr)



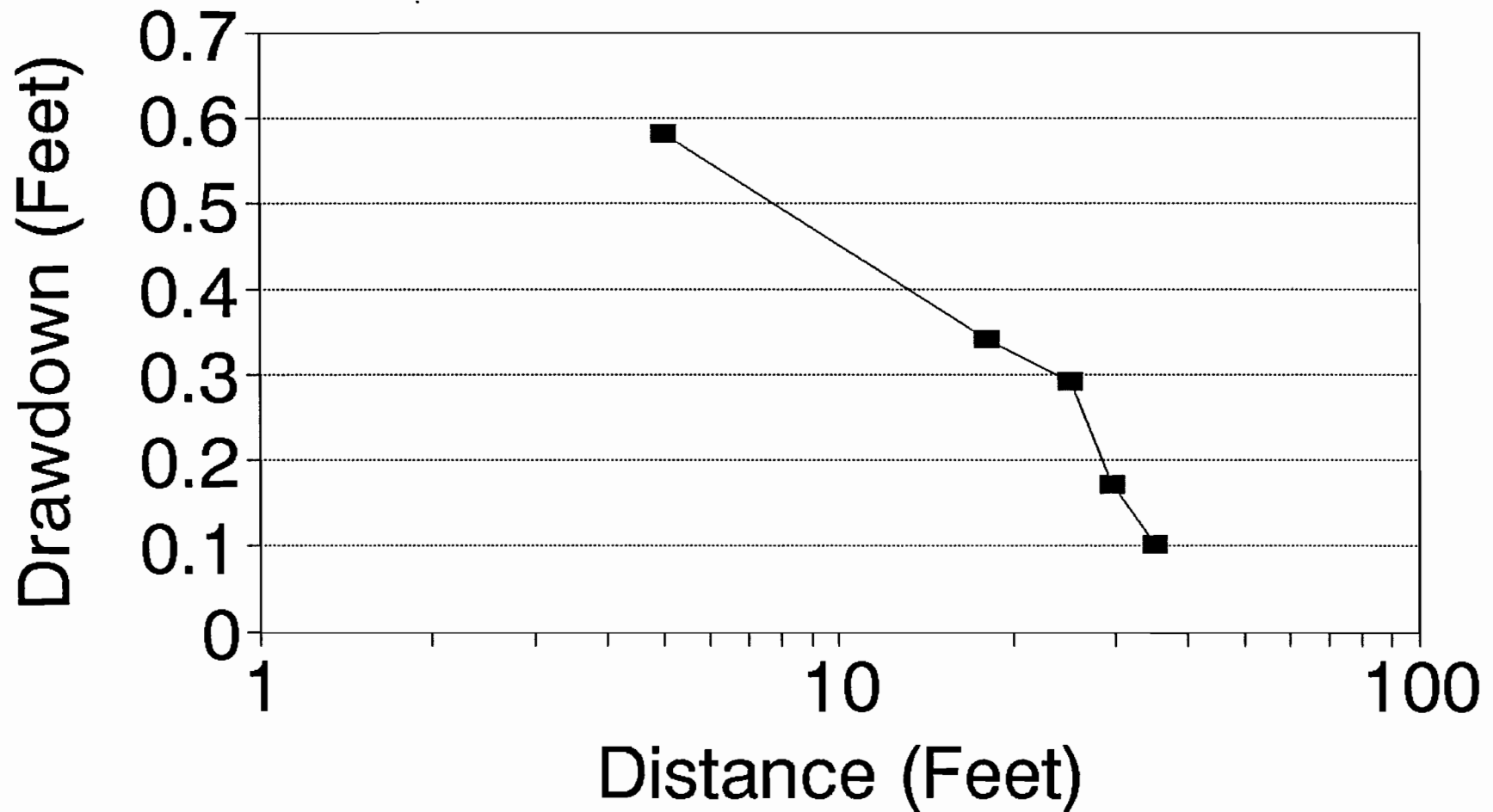
Maestri Site

RW-4 (72 Hr)



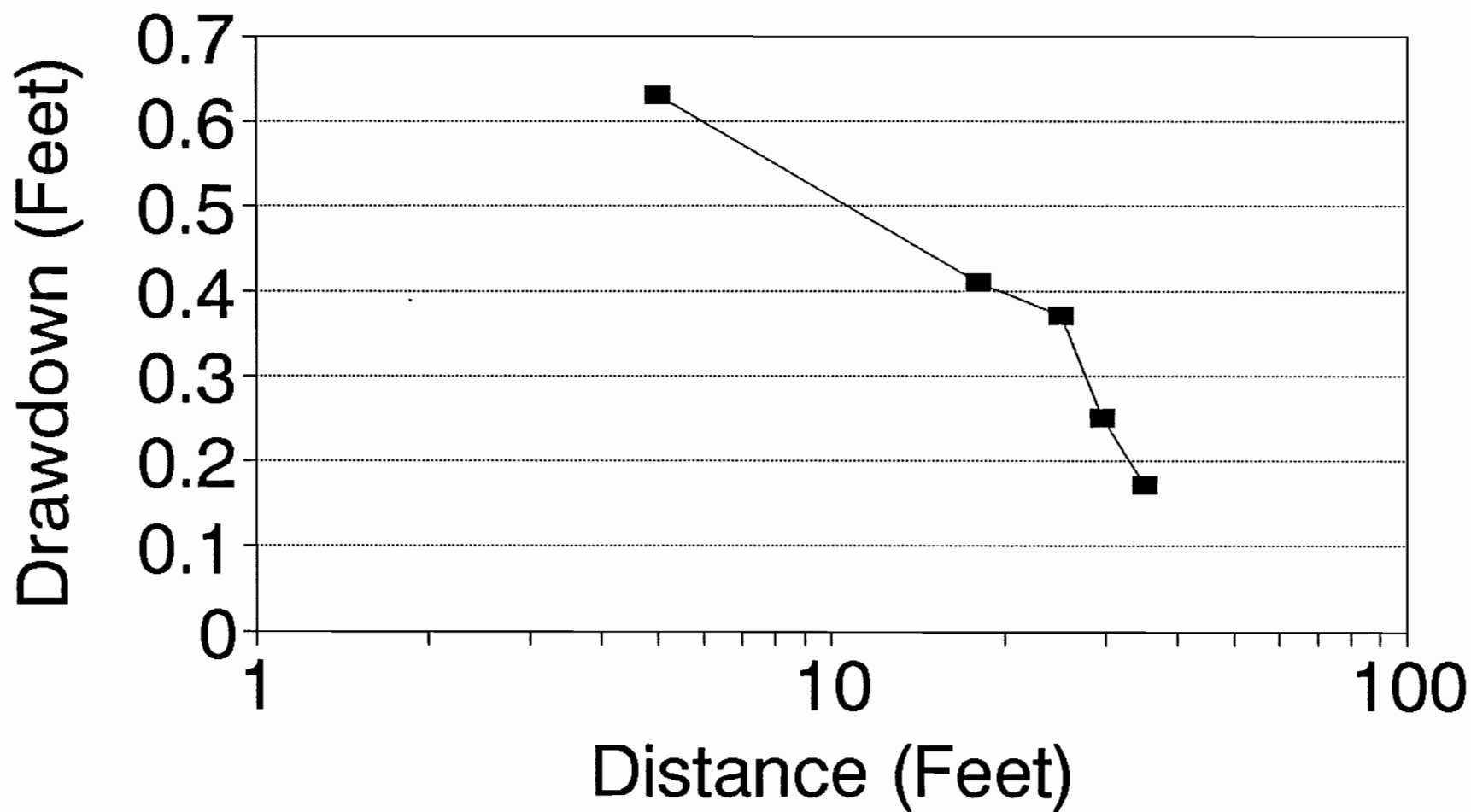
Maestri Site

RW-5 (24 Hr)



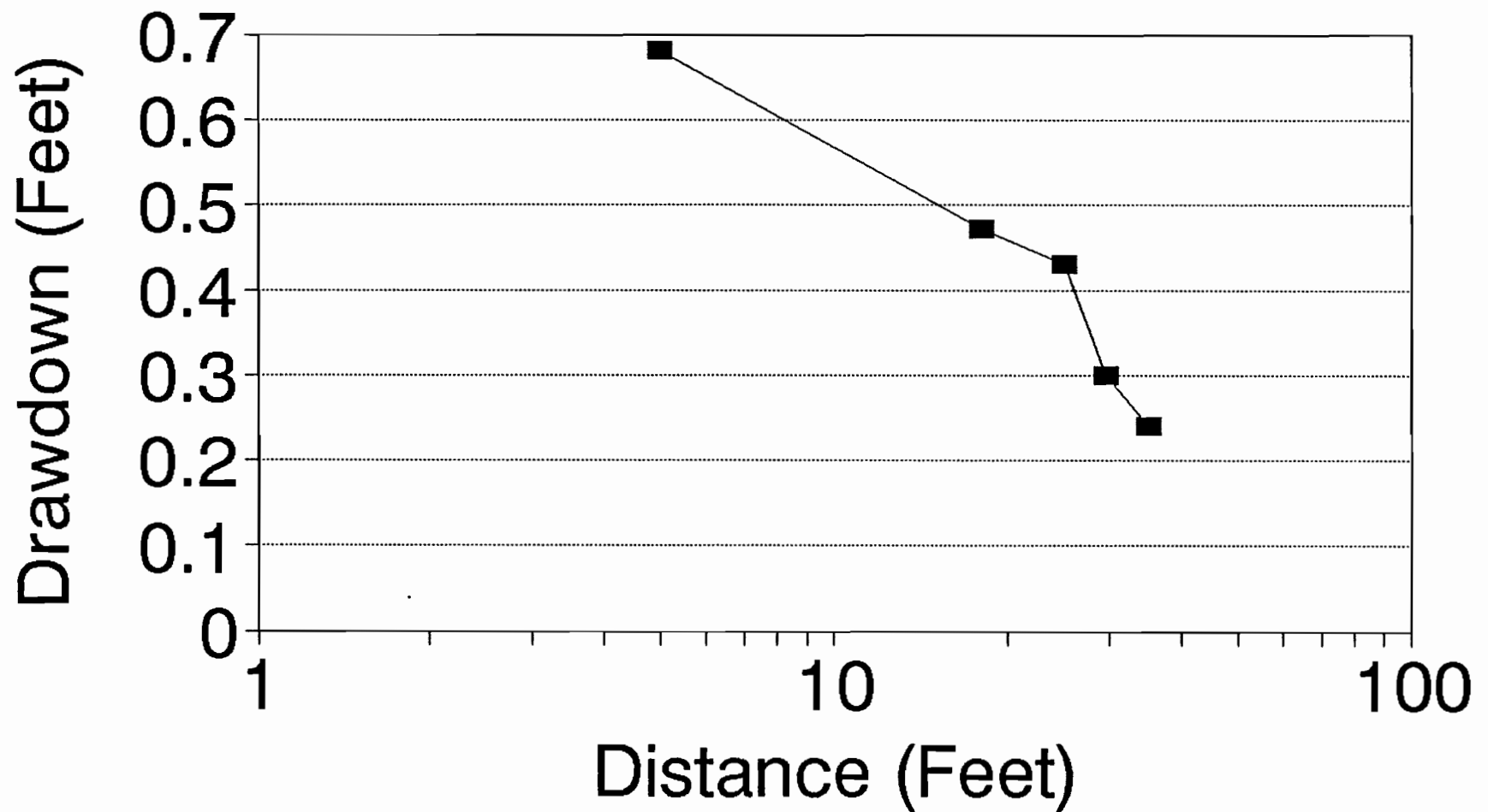
Maestri Site

RW-5 (48 Hr)



Maestri Site

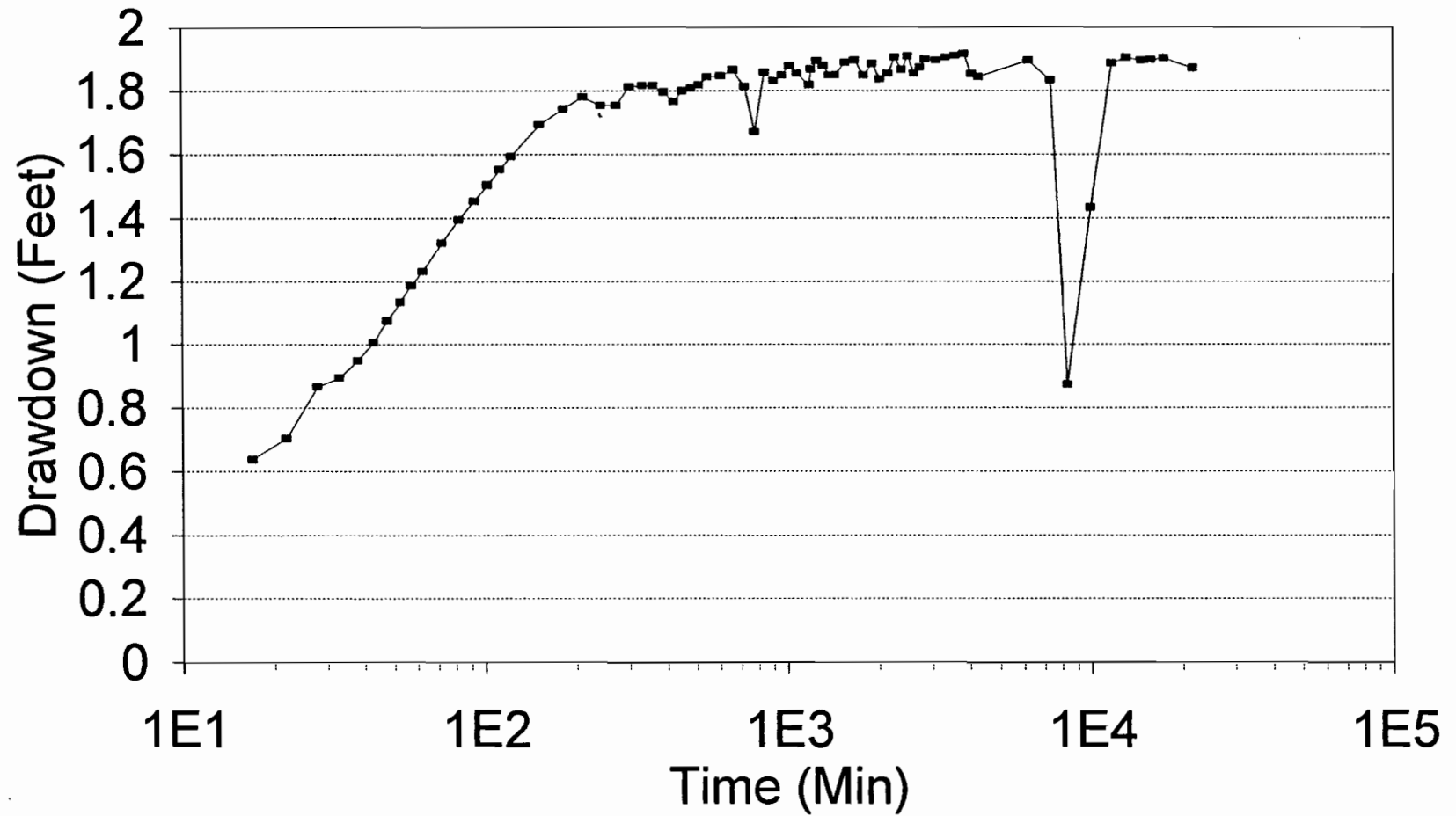
RW-5 (72 Hr)



APPENDIX H
TIME DRAWDOWN CURVES

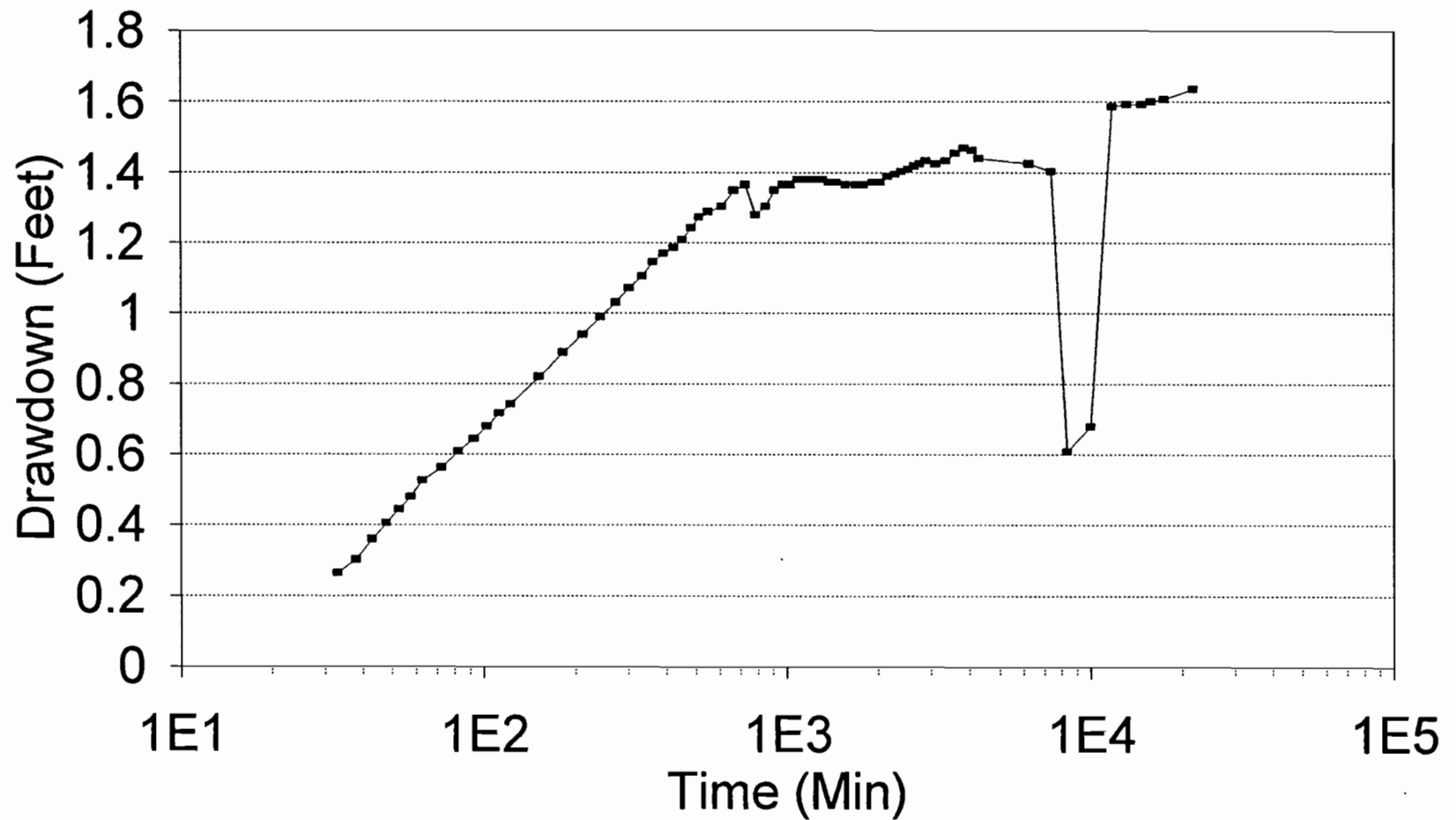
Maestri Site

Piezometer PZ-1



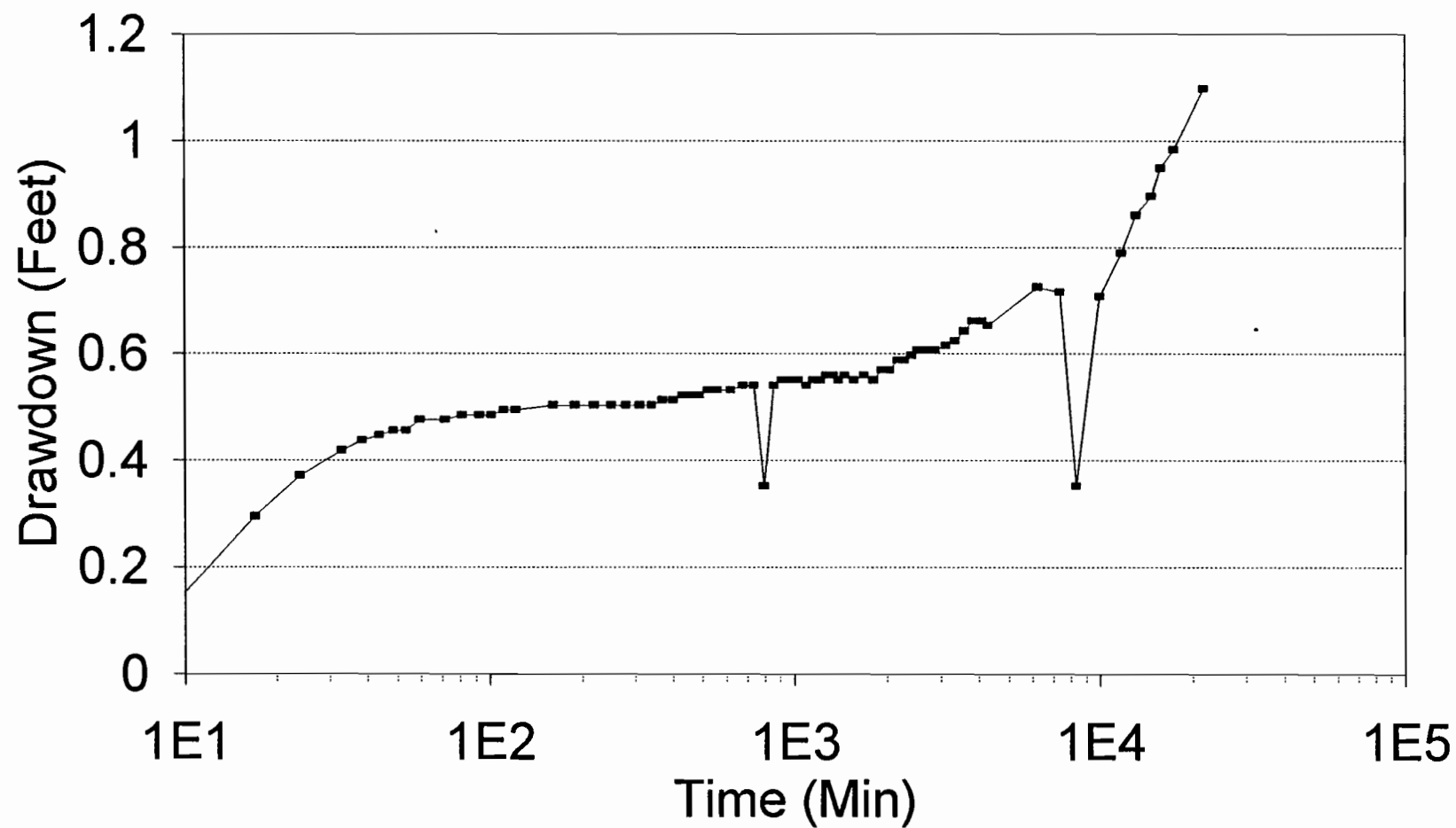
Maestri Site

Piezometer PZ-2



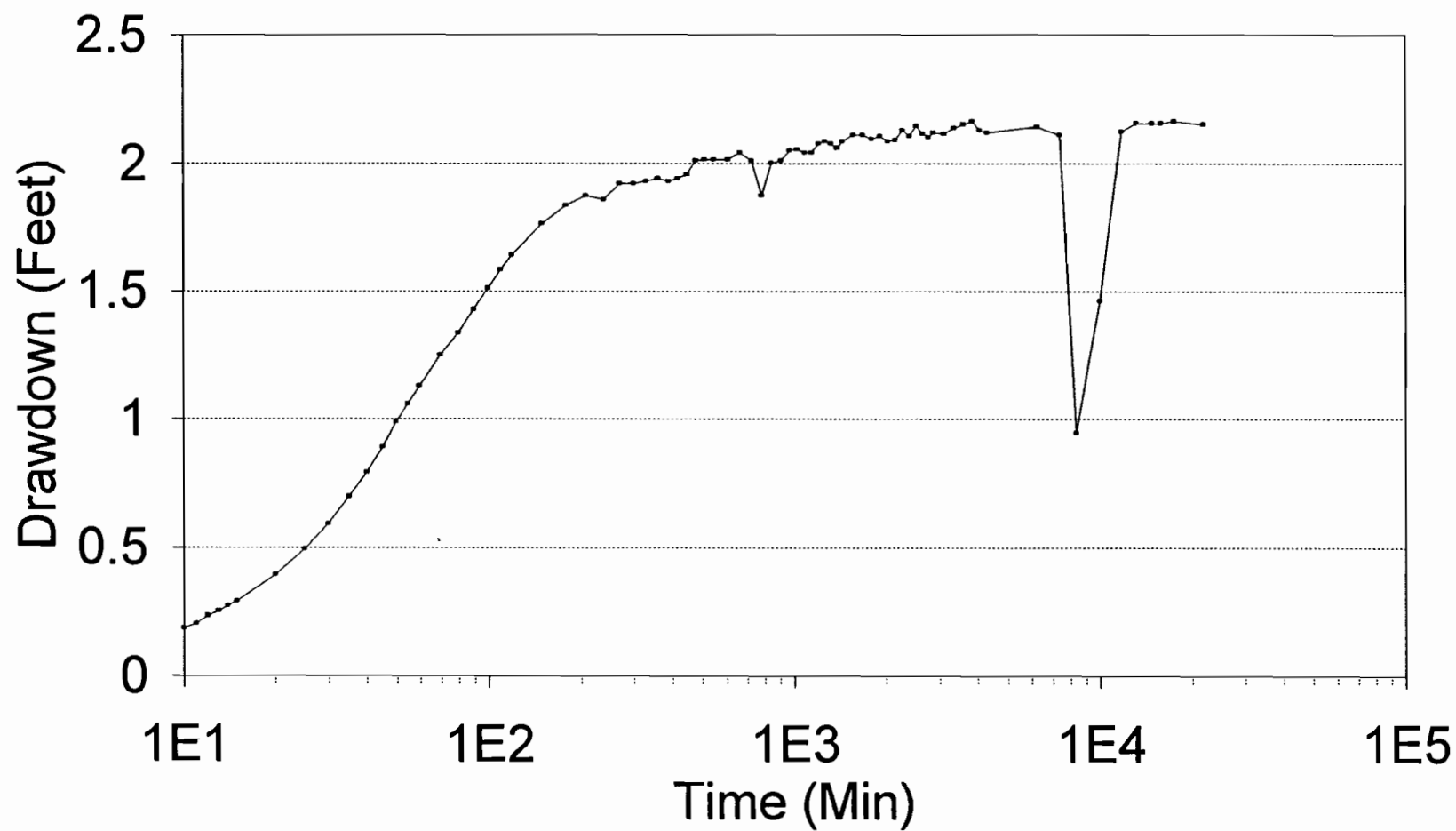
Maestri Site

Piezometer PZ-3



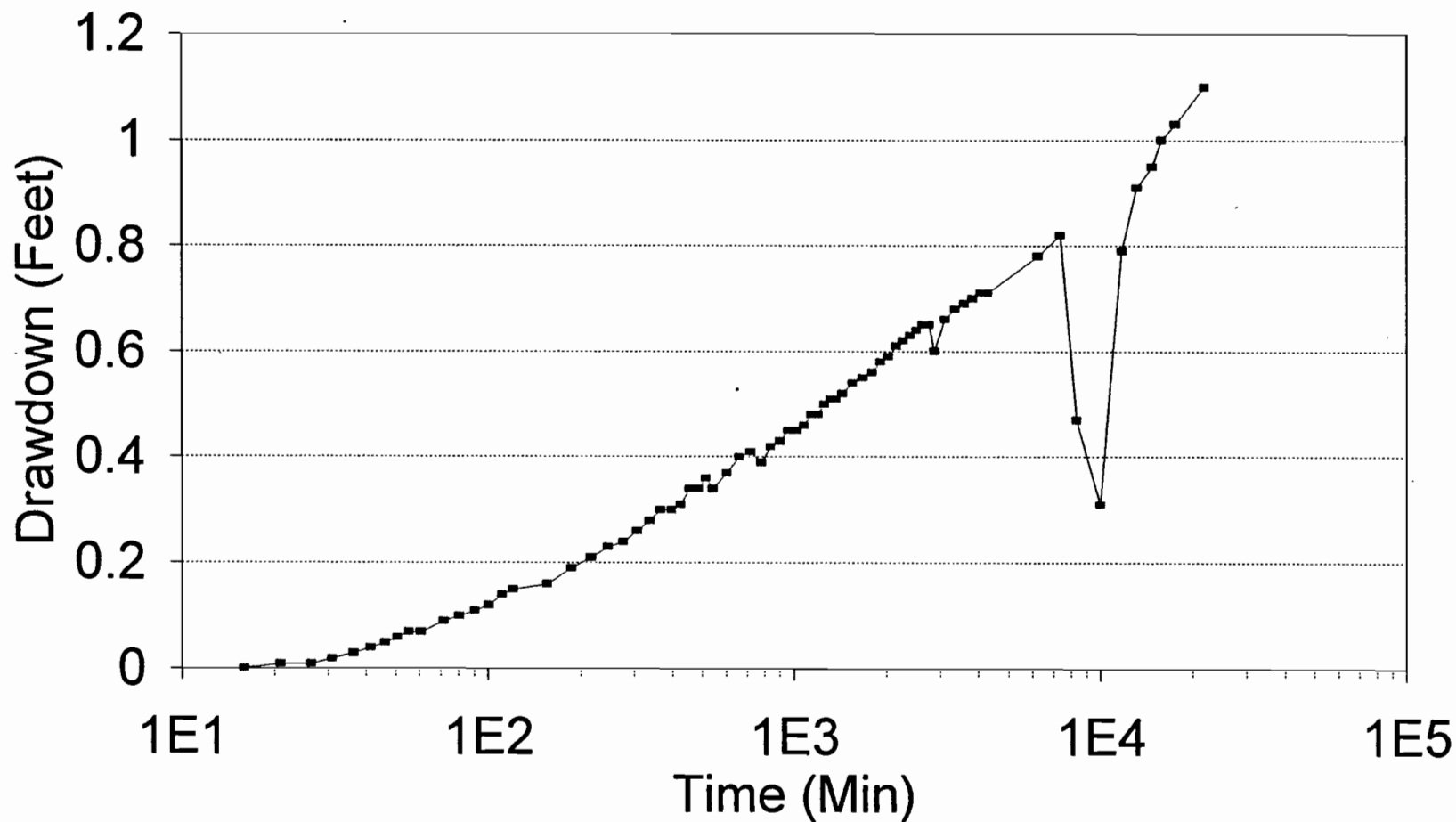
Maestri Site

Piezometer PZ-15



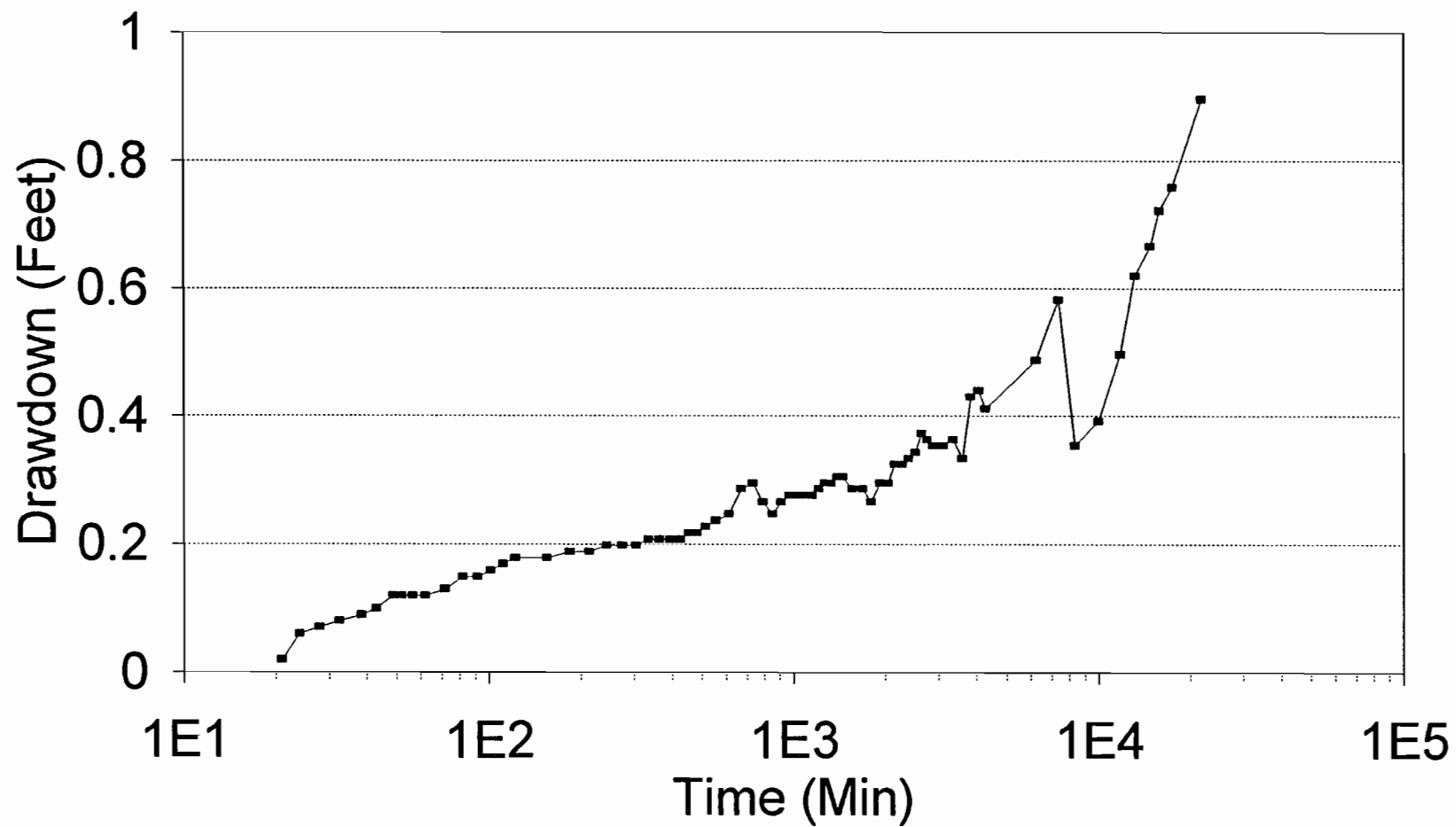
Maestri Site

Piezometer PZ-17



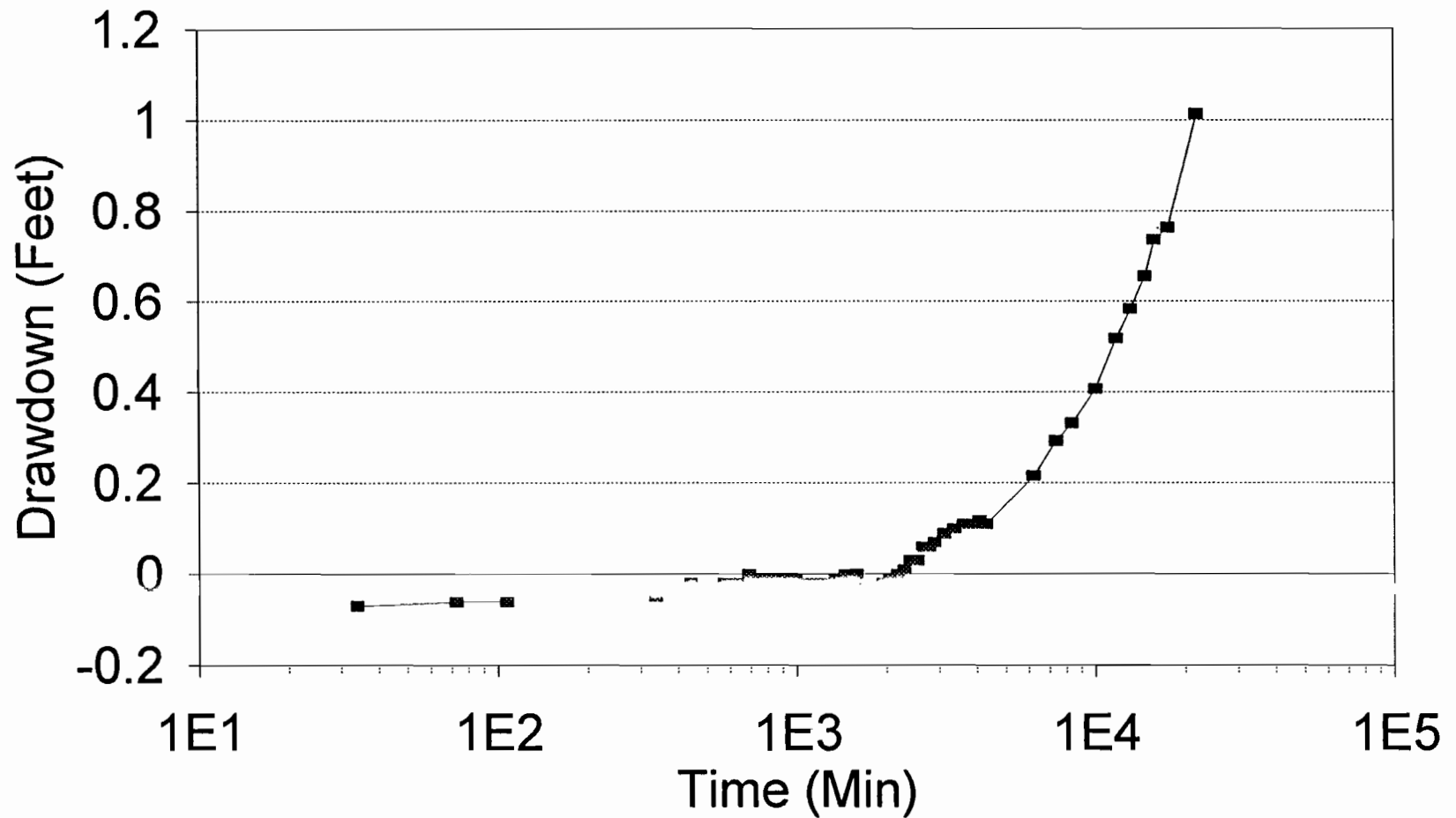
Maestri Site

Monitoring Well MW-9



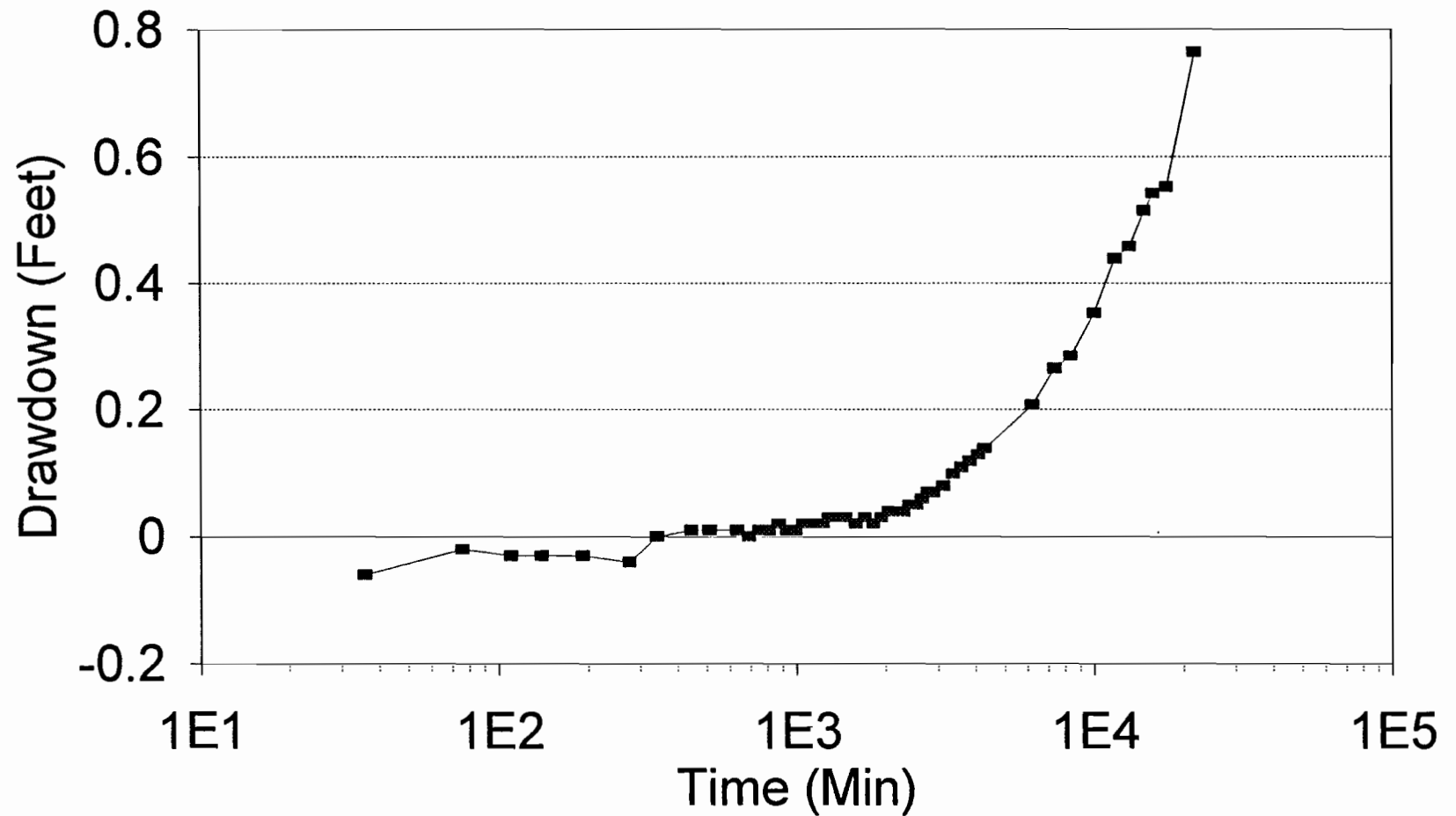
Maestri Site

Monitoring Well MW-10



Maestri Site

Monitoring Well MW-12



Maestri Site

Monitoring Well MW-18

