

# Passero Associates

Engineering Architecture

100 Liberty Pole Way  
Rochester, NY 14604

[www.passero.com](http://www.passero.com)

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January 13, 2006

Charlotte Theobald, Environmental Engineer I  
NYS Department of Environmental Conservation  
Division of Environmental Remediation  
6274 East Avon-Lima Road  
East Avon, NY 14414

RECEIVED

JAN 18 2006

DER/HAZ. WASTE REMED.  
REGION B

Re: **Fischbach & Moore Electric. LLC**  
**NYSDEC Site # V00492-8**  
**Remedial Design Investigation**

*235 Metro Park*

Dear Ms. Theobald:

235 Metro Park Associates, LLC proposes to conduct the Remedial Design Investigation concurrently with NYSDEC & NYSDOH review of our revised Site Investigation Report (SIR). As we discussed at our meeting on August 25, 2005, additional shallow wells will be installed upgradient and downgradient of contaminated wells MW-4S and MW-10. Three additional deep wells will be installed to further investigate the deeper contamination detected in MW-4D. One additional shallow well will be installed to rebut Fischbach & Moore's argument that there is an off-site source of contamination. A total of seven shallow wells and three deep wells are proposed, as indicated on the enclosed map.

During this investigation, soil and groundwater samples will be collected for bioscan analyses. These will be used to determine if bioaugmentation will be a feasible method of in situ treatment of the contaminated groundwater.

The proposed wells will be installed in conformance with the July 1, 2002 VCA Work Plan:

A hollow stem auger will be used to bore through overburden soils and into the glacial till aquitard; based on the shallow wells installed during the Site Investigation (SI), the shallow wells will be installed at approximate depths of 20 feet beneath ground surface (BGS). Continuous split-spoon soil samples will be collected at 2-foot intervals, placed in re-sealable plastic bags, and headspaces will be screened with an organic vapor meter. The soils will be logged with organic vapors registered per two foot interval.

For each boring, a minimum of one sample will be submitted for laboratory analysis, selected from the interval which exhibits the highest potential contamination based on visual evidence (staining) and PID readings or, in the absence of such evidence, the interval just above saturation. The soil samples will be analyzed for Target Compound List (TCL) volatile organic compounds (VOC) by ASP Method OLM 4.2 with Category B deliverable package.

Monitoring wells will be constructed of 2-inch diameter, machine slot PVC well screen and PVC riser, installed through the auger stem. The screened interval will be 10 feet long; a sand

**PA**



pack will be placed from approximately 0.5 foot below the screen to one foot above the screen. A bentonite seal will be placed on top of the sand pack. Wells in the paved surfaces will be completed with flushed-mounted curb boxes cemented in place with cement/bentonite grout and a concrete collars, and completed with flush mount well covers.

After construction, the monitoring wells will be developed to remove accumulated silt and drilling residues from the sand pack. Well development will be accomplished by hand-bailing the wells using dedicated bailers.

Groundwater samples will be collected from the ten newly installed monitoring wells a minimum period of two weeks following development. Static water levels will be measured prior to purging the wells. The groundwater samples will be collected using low-flow minimal drawdown methodology; a low-flow QED bladder pump will be utilized to minimize agitation of the water column while drawing the samples. The drawdown during low-flow purging and sampling will be monitored and will not exceed 4 inches. The pH, temperature, turbidity, conductivity, dissolved oxygen, and redox potential of the water will be monitored every three to five minutes while purging the wells. Parameters will be considered stabilized when pH varies less than 0.1 unit; conductivity varies less than 3%; redox varies less than 10 mv; and the other parameters (e.g. turbidity, dissolved oxygen, temperature) vary less than 10% over three successive readings. Turbidity less than 50 NTU is also a goal of well development, if attainable. Samples will be collected after drawdown and water quality parameters have stabilized.

All development and purge waters will be collected in NYSDOT-approved 55-gallon drums, and stored on site. The water will be sampled and characterized for VOCs to determine appropriate disposal measures.

The groundwater samples will be analyzed for VOC by ASP methodology with Category B deliverables. The analytical laboratory contracted to perform the samples analyses will be Severn Trent Laboratories, Inc. (STL), a NYSDOH ELAP-certified laboratory. STL will perform the analyses in conformance with ASP including a Category B deliverable package.

No contaminated soils have been identified in any of the previous investigations. Drumming of the drill cuttings does not appear to be warranted; the drill cuttings will be spread out on site.

#### Survey

Well locations and geodetic elevations above sea level will be determined for the inner casing of each well by Passero Associates' survey crew.





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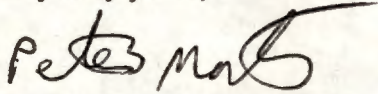
585-325-1000

585-325-1691 Fax

We would like to schedule this drilling project pending your review and approval.

Please call if you have questions or revisions to this document.

Very truly yours,



Peter S. Morton, C.P.G.

Certified Professional Geologist

cc: Dan O'Brien, Esq.  
Woods O'att Gilman LLP

Dr. Jules Mussinger  
235 Metro Park Associates, LLC



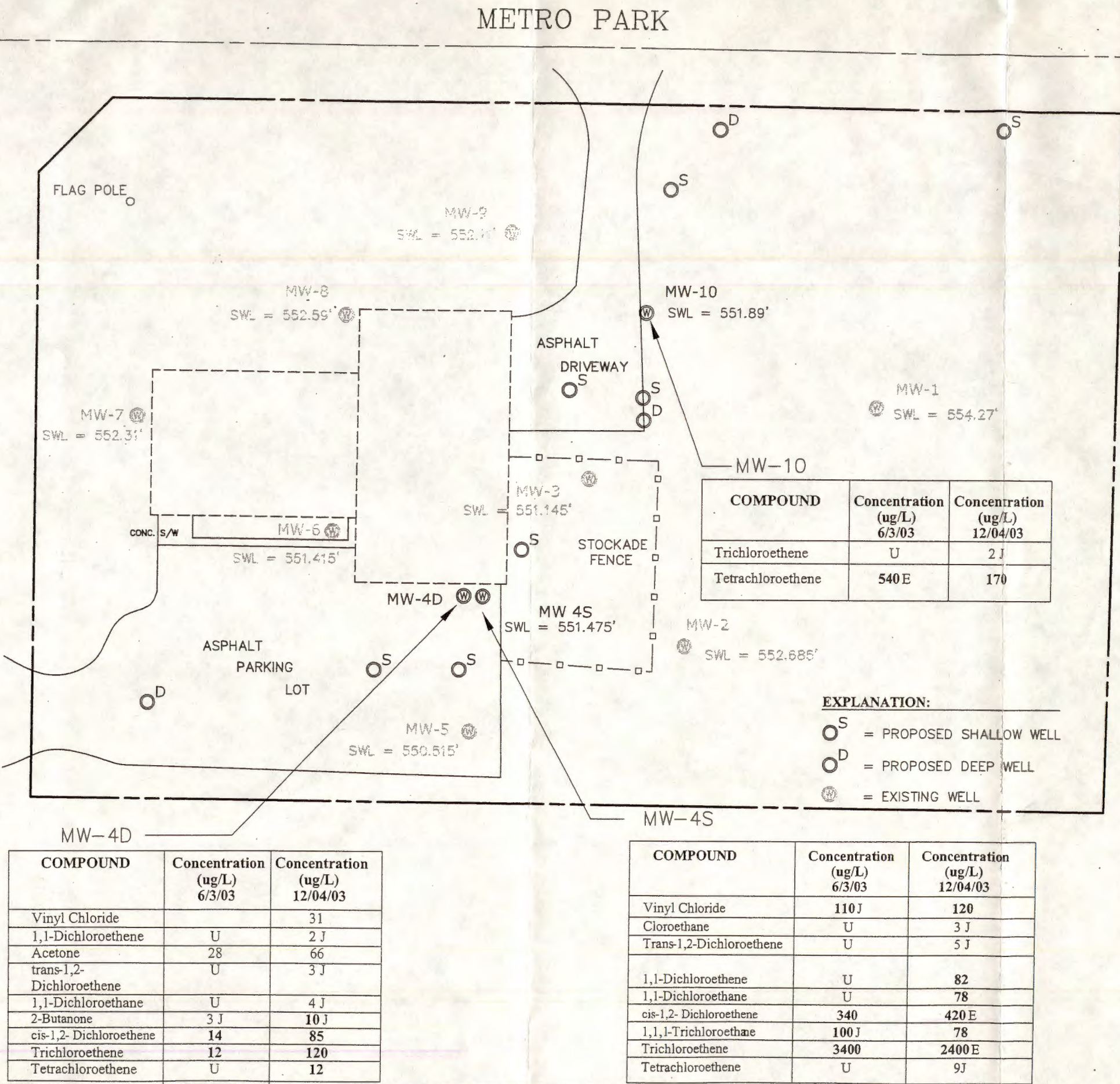


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# MONITORING WELL LOCATIONS & ELEVATIONS

Project FISHBACH & MOORE V.C.A. Town BRIGHTON, N.Y.  
Street 235 METRO PARK

## METRO PARK



NOTE:  
BOUNDARY, PARKING LOT AND FENCE LOCATIONS  
ARE APPROXIMATE AND SCALED FROM  
"INSTRUMENT SURVEY MAP" OF #235 METRO PARK  
DONE ON MAY 30, 1989 AND REDATED ON  
OCTOBER 10, 1990 BY LARSEN ENGINEERS.

FIGURE 1  
REMEDIAL DESIGN INVESTIGATION

Scale 1" = 60'  
Date 6/9/04  
Drawn By F.W.M.  
Checked By

**PA** PASSERO ASSOCIATES  
ARCHITECTS-ENGINEERS-SURVEYORS  
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UNAUTHORIZED ALTERATION OR ADDITION TO THIS  
SURVEY MAP IS A VIOLATION OF SECTION 7209,  
SUB-DIVISION 2, OF THE N.Y.S. EDUCATION LAW.