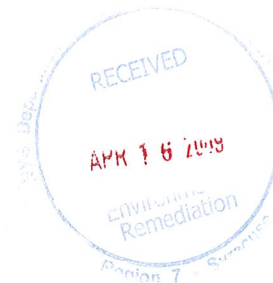




O'BRIEN & GERE

April 16, 2009



Mr. Thomas Biel
New York State Department of Environmental Conservation
Division of Environmental Remediation
615 Erie Boulevard West
Syracuse, New York 13204

Re: Mathews Avenue Southern Drainage Swale Sediment Sampling Work Plan

Dear Mr. Biel:

This letter is a work plan describing the scope and proposed procedures for the southern drainage swale sediment investigation at the Mathews Avenue Site (Site) in Solvay, New York. The scope of work has been developed based on discussions during the April 13, 2009 conference call between O'Brien & Gere and the New York State Department of Environmental Conservation (NYSDEC). A Site location plan is provided as **Figure 1**.

Quality Assurance/Quality Control (QA/QC) and health and safety procedures for this program are specified in the NYSDEC approved *RI/FS Wastebeds 1-8 Quality Assurance Project Plan (QAPP)* (O'Brien & Gere, 2006) and the *RI/FS Harbor Brook and Ballfield Sites Health and Safety Plan* (O'Brien & Gere, 2002), respectively. Both the HASP and QAPP are being utilized for this project because they were used during the performance of the Supplemental PSA at the Site. Analytic methods for this program will remain consistent with the NYSDEC-approved Supplemental PSA Work Plan (2007).

Field Investigation and Sampling Plan

The proposed tasks for the southern drainage swale sediment investigation are presented below.

Sediment Sampling

Objective: Sediment samples will be collected to further evaluate the potential impact to sediment within the southern drainage swale.

Approach: Sediment samples will be collected from 3 locations in the southern drainage swale drainage swale. Proposed sediment sample locations are presented on **Figure 2**. Exact sampling locations will be selected in the field, in concurrence with the NYSDEC. Additional samples may be collected based on field observations and sample results. A photograph will be taken at each location at the time of sampling and a general description of the area will be provided for each location in the investigation letter report.

Samples will be collected from the 0-6 inch and 6-12 inch depth intervals using Lexan® tubing or dedicated plastic scoops. Prior to homogenization of sediments, a sample for VOCs analysis will be selected and containerized. Subsequent to homogenization, sediments will be transferred to the appropriate laboratory containers for the remainder of the analyses and placed in a cooler containing ice.

Sediment samples will be submitted to a New York State certified laboratory for analyses by USEPA SW846 methods (USEPA, 2004). These samples will be analyzed for TCL/TAL parameters using methods 8260B, 8270D, 8081A, 8082, 6010C, 7470A/7471A, and 9010C/9014 for VOCs, SVOCs, pesticides, PCBs, metals, mercury, and cyanide, respectively. Sediment samples will also be analyzed for total organic carbon (TOC) and grain size using methods modified ASTM D422 and 9060, respectively.

Site Survey

A sample location survey will be performed using a Trimble GeoXH™ 2008 series (GeoXH™) hand held GPS unit. The New York State Plane coordinates (NAD 83) will be recorded to sub-foot accuracy using the GeoXH™ following the completion of the sediment sampling.

Report

Subsequent to completion of the field program described above, a concise letter report will be submitted to the NYSDEC for review. The letter report will include a figure of the locations and the analytic results of the samples collected during the investigation.

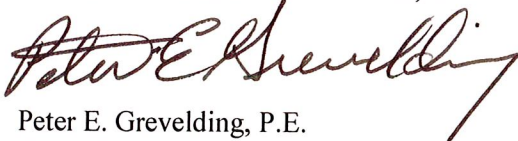
Schedule

This work will begin within 10 days of the acceptance of this work plan.

Please contact me if you have any questions regarding this matter.

Sincerely,

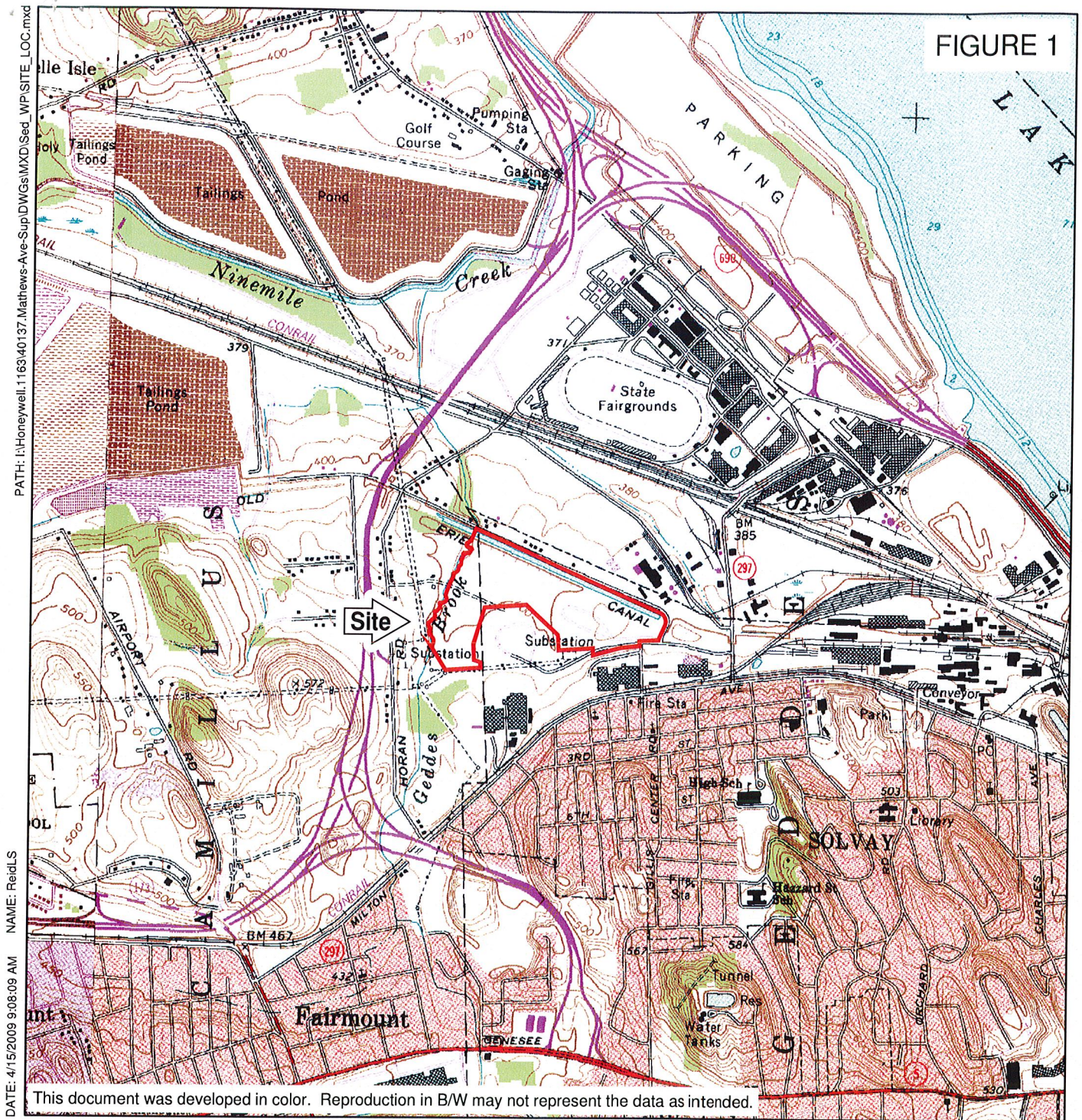
O'BRIEN & GERE ENGINEERS, INC.



Peter E. Grevelding, P.E.
Senior Vice President

cc: Mr. Gregg Townsend – NYSDEC 7
Mr. Christopher C. Calkins – O'Brien & Gere

FIGURE 1

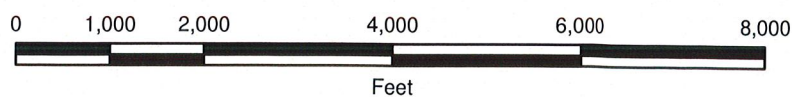


ADAPTED FROM: SYRACUSE WEST AND CAMILLUS, NEW YORK USGS QUADRANGLE

MATHEWS AVENUE SITE WORK PLAN GEDDES AND CAMILLUS, NY



SITE LOCATION



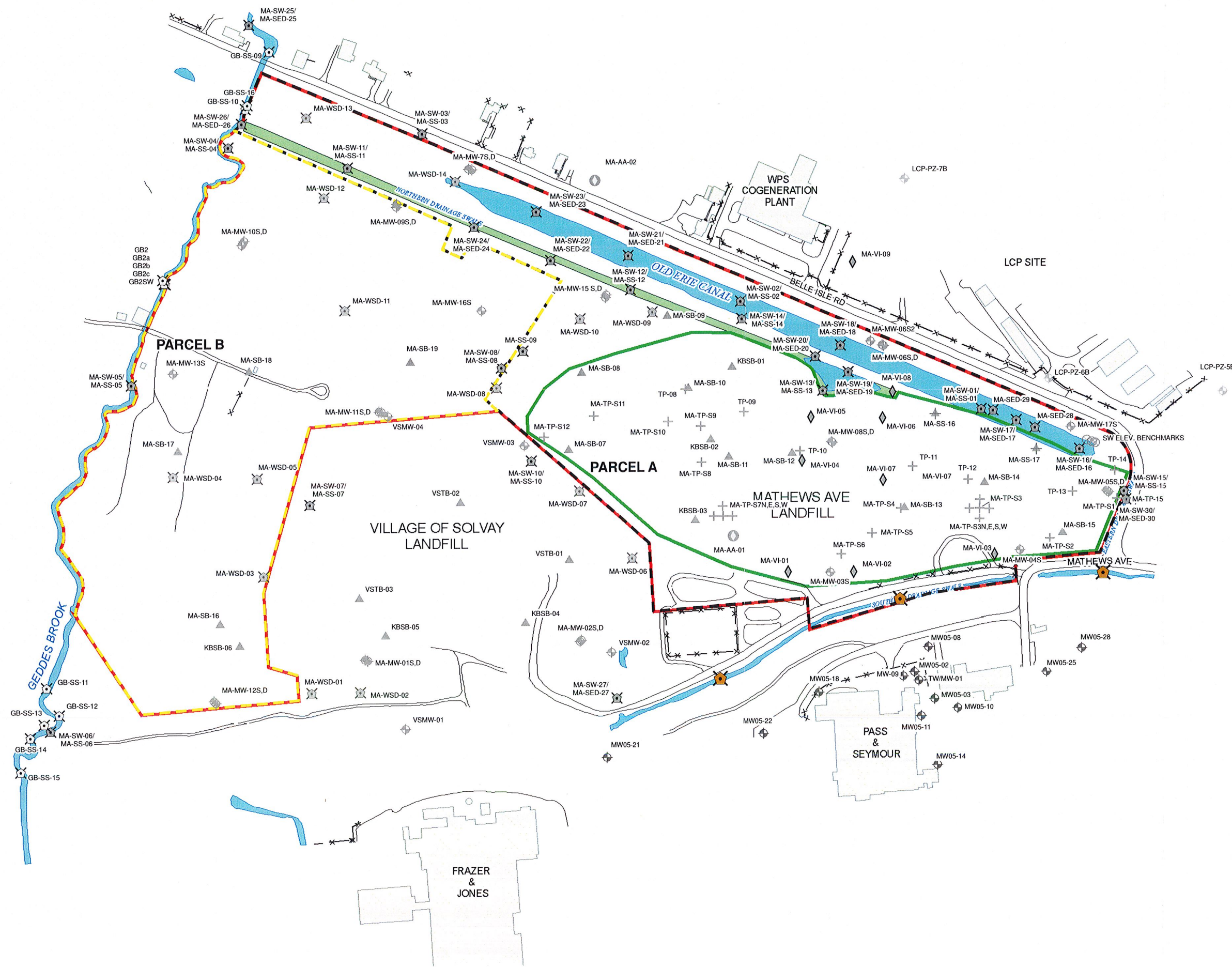















FIGURE 2





LEGEND

- PROPOSED SEDIMENT SAMPLE**


 -  MONITORING WELL
 -  OTHER
 -  LCP MONITORING WELL
 -  SOIL BORING
 -  SEDIMENT
 -  SS
 -  TEST PIT
 -  VAPOR INTRUSION
 -  WETLAND SEDIMENT
 -  GEDDES BROOK SEDIMENT LOCATIONS
 -  AMBIENT AIR
 -  PASS & SEYMOUR MONITORING WELL


 MATHEWS AVENUE SITE BOUNDARY

 MATHEWS AVENUE LANDFILL

 DRAINAGE SWALE

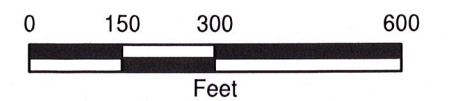
MATHEWS AVENUE PARCELS

 PARCEL A

 PARCEL B

MATHEWS AVENUE SITE
WORK PLAN
GEDDES AND CAMILLUS, NY

SAMPLE LOCATION PLAN



APRIL 2009
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