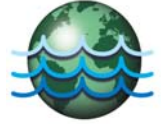


P.W. GROSSER CONSULTING



October 22, 2013

Kerry Maloney
Project Manager
Division of Environmental Remediation
New York State Department of Environmental Conservation
50 Circle Road
Stony Brook, NY 11790

Re: Interim Remedial Measure Work Plan
934 Easton Street, Ronkonkoma, NY

Dear Ms. Maloney,

P.W. Grosser Consulting, Inc (PWGC) has prepared this Interim Remedial Measure (IRM) Work Plan, on behalf of the Suffolk County Department of Health Services (SCDHS), for the former Ronkonkoma Wallpaper site located at 934 Easton Street in Ronkonkoma, NY (Suffolk County Tax Map #0500-063-3-41.1). The property is currently owned by Suffolk County and is used as a training ground for the Suffolk County Police Department.

The proposed scope of work is based upon the PWGC Remedial Investigation performed in 2010 and documented in the Remedial Investigation Report (RIR) prepared in April 2012 and the requirements of the Suffolk County Department of Health Services (SCDHS) and New York State Department of Environmental Conservation (NYSDEC) for the subject property. Remedial activities will be performed under the NYSDEC Environmental Restoration Program (ERP), Site ID#E152191. This IRM is not intended to be considered the final remedy for the site.

Site Background and Environmental History

The site is approximately 3.3 acres in size. The property is located on the north side of Easton Street and is bounded on the east by Raynor Street, on the west by Elm Avenue, and on the south by residential properties. A vicinity map is included as **Figure 1**. There are currently no aboveground structures at the site.

A former industrial building (approximately 35,000 square feet in size) and a separate boiler building (approximately 850 square feet in size) with a brick stack approximately 50 feet high existed at the site. The

original building was constructed in the 1920's and was reportedly used for the manufacture of paints. It is not known when the facility converted from paint manufacturing to custom wallpaper production, but the wallpaper business left the facility before 1984. The site was then used to manufacture synthetic lumber construction shapes. The buildings were demolished in 2004.

Several environmental investigations and limited remediation were performed by SCDHS between 2000 and 2004 which identified volatile organic compounds (VOCs) and/or metals impact, specifically chromium, copper, and lead, in surface/subsurface soils and underground injection control (UIC) structures. Impact to the groundwater, which is approximately 50 feet below grade surface (bgs), was not observed.

PWGC performed a Remedial Investigation in 2010 which uncovered UIC structure DW-3 approximately 2 feet bgs. A pipe was observed in the structure entering from the northeast. The pipe was followed 25 feet towards the northeast where it was broken off. Analytical results from DW-3 contained elevated concentrations of VOCs (acetone and p-isopropyltoluene) and metals (chromium, copper, lead, and cyanide). The Remedial Investigation also identified semi-volatile organic compounds (SVOCs) and/or metals impact in surface/subsurface soils. This IRM will address the remediation of DW-3 only.

Interim Remedial Measure

Based upon the depth of DW-3, the design of a UIC structure to drain liquids to the subsurface in an efficient manner, and the concentrations of metals significantly greater than the Restricted Residential Soil Cleanup Objectives (SCOs), significant contamination within DW-3 may continue to spread to deeper depths. While the NYSDEC continues to review the RIR and Alternatives Analysis for the final remedy, PWGC recommends that an IRM be implemented at the site to remediate VOCs and metals impact to UIC structure DW-3. The remediation will be conducted under the Health and Safety Plan and Community Air Monitoring Plan previously submitted as part of the Remedial Investigation Work Plan in 2008.

DW-3 is located near the site entrance on Raynor Street as shown on **Figure 2** and was not initially identified during SCDHS investigations. DW-3 is constructed of 8 foot diameter pre-cast concrete rings with a dome top. The depth to bottom is approximately 14 feet below grade surface (bgs) and contained approximately 3 feet of liquids when it was sampled in 2010.

Analytical results of the 2010 sampling indicated that concentrations of chromium and lead were identified in structure DW-3 at concentrations significantly higher than NYSDEC Part 375 Industrial Use Soil Cleanup Objectives (SCOs); therefore, soil removed from the structure may require disposal as hazardous waste at a properly permitted facility. To confirm the proper disposal pathway, a waste characterization sample will be collected from the base of the structure and analyzed in accordance with the soil disposal facility's requirements. If liquids are observed in the structure, a sample will also be collected for waste characterization. If the liquids are contaminated, they will be disposed of at the Bergen Point Sewage Treatment Plant (STP) if the analytical results meet the STP's requirements.

The structure will be remediated in accordance with the SCDHS Article 12 Standard Operating Procedure (SOP) 9-95 "Pumpout and Soil Cleanup Criteria" dated July 2010. To begin remediation, PWGC and its subcontractor will mobilize to the site with a pump truck to remove liquids from DW-3. Liquids will be properly disposed of off-site in accordance with federal, state, and local regulations. Following liquids removal, a Guzzler truck will be utilized to remove soils from the base of the structure. PWGC will field screen soils for the presence of VOCs with a photoionization detector (PID) and will direct the removal of impacted soils until visually clean soils are observed that do not exhibit elevated PID readings or to the extent feasible. Soils will be disposed of in accordance with federal, state, and local regulations. Following soil removal, an endpoint sample will be collected from the base of the structure. The endpoint sample will be collected with a properly decontaminated stainless steel hand auger and placed in laboratory supplied bottleware. Non disposable sampling equipment will be decontaminated with laboratory grade detergent wash and rinse in distilled water. A grab sample will be collected from the center of the structure for VOC analysis by USEPA method 8260 and a three point composite sample will be collected for TAL metals analysis plus cyanide by USEPA 6010. Sample containers will be placed on ice in a cooler and submitted to a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory under proper chain of custody procedures.

Following receipt of acceptable endpoint analytical results, DW-3 will be abandoned by backfilling the structure to grade with clean fill material and compacting the fill material to prevent settling. Should analytical results indicate that further remediation is required, PWGC and the subcontractor will return to conduct additional soil removal with a Guzzler truck or with a backhoe by removing the cover to DW-3 and

excavating inside of the structure. If excavation with a backhoe is required, soils will be loaded directly into a lined roll-off container for off-site disposal in accordance with applicable federal, state, and local regulations.

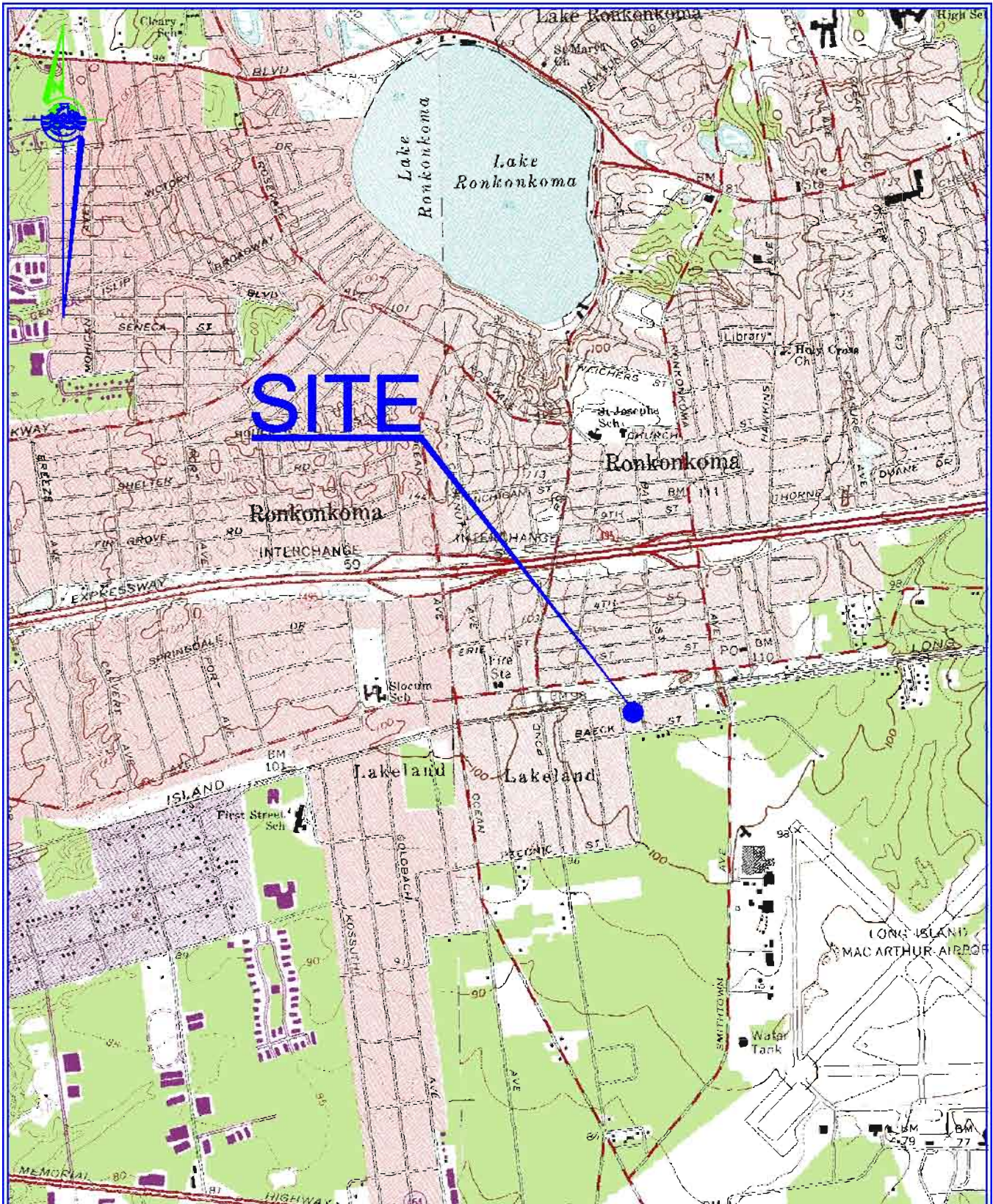
Interim Remedial Measure Report

A report documenting the remedial activities and analytical results of the IRM will be prepared. Analytical results will be compared to SCDHS Cleanup Objectives. In the absence of a cleanup objective for a compound, the NYSDEC Part 375 Unrestricted Use Soil Cleanup Objective (SCO) will be substituted. The report will contain conclusions and recommendations, as well as appropriate figures, tables, and waste manifests.

Schedule

The estimated duration of the project is eight weeks from NYSDEC approval of this IRM Work Plan. Following approval of the IRM Work Plan by the NYSDEC, authorization from the SCDHS will be sought for the implementation of the IRM Work Plan, PWGC's oversight of the remedial work, and PWGC's subcontractor. Waste characterization samples will be collected within one week of SCDHS authorization. Analytical results will be received in approximately one to two weeks and forwarded to the disposal facility for acceptance. Once acceptance of the soil is approved, the NYSDEC will be notified that remediation of DW-3 will begin within two weeks. Remediation of the structure and endpoint sample collection is anticipated to take one day. Analytical results will be received in approximately one to two weeks and DW-3 will be properly abandoned following consultation with the NYSDEC regarding the endpoint sample results.

FIGURES



SITE

VICINITY MAP
SCALE = 1:24,000

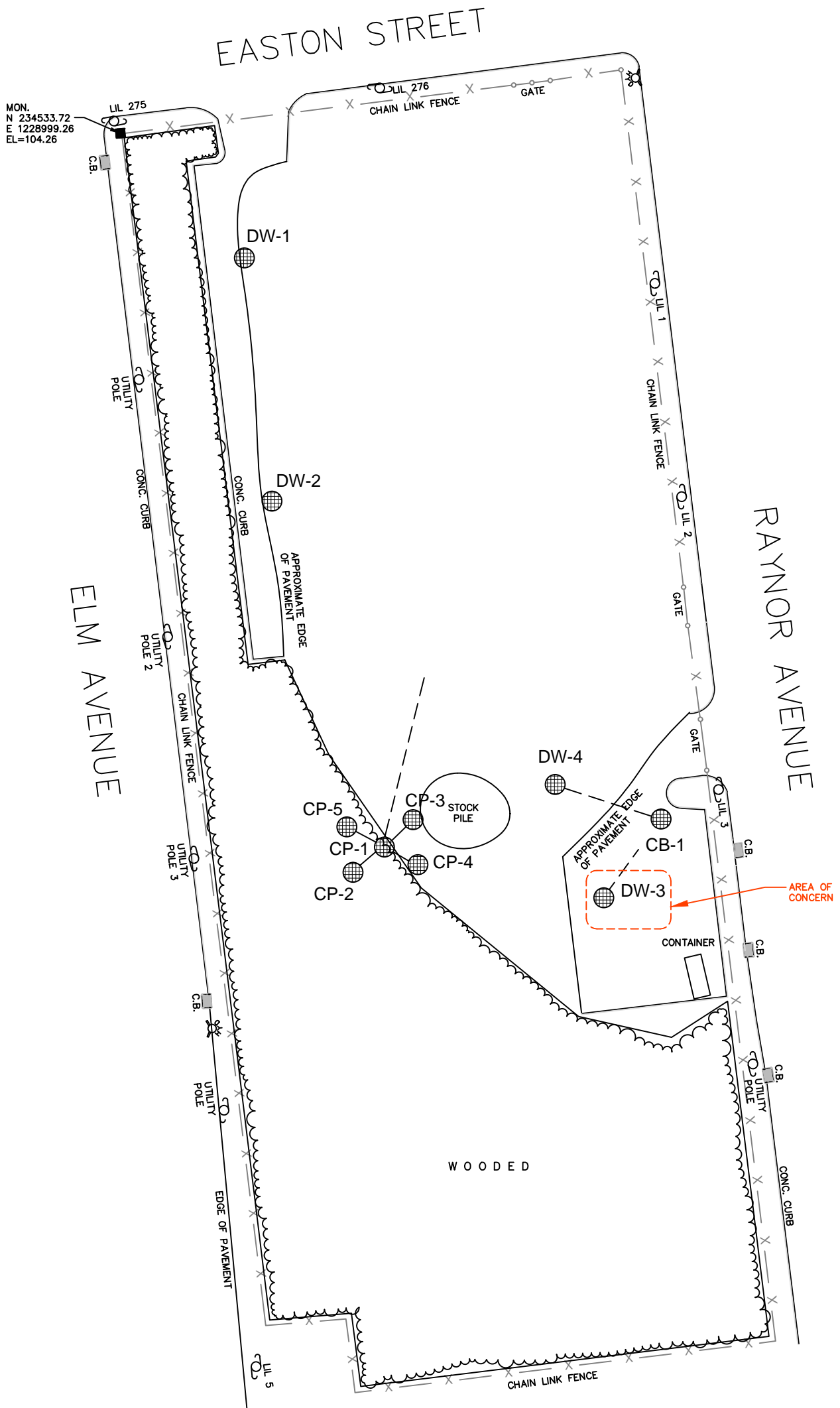
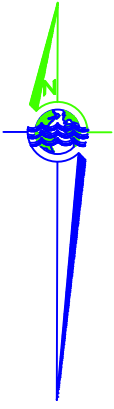
Mapped, edited, and published by the Geological Survey
Revised in cooperation with New York
Department of Transportation
Control by USGS, USC&OS, and New Jersey Geodetic Survey

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**934 EASTON STREET
RONKONKOMA, NY**

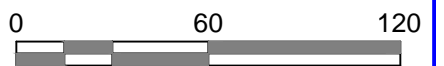
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| Project: SHD1002 | Figure No: |
| Developed by: DE | 1 |
| Approved by: PWG | |
| Drawn by: LLG | Date: 4/21/10 |



LEGEND

● DRYWELL

UIC LOCATIONS



DRAWING PROVIDED BY:
YOUNG & YOUNG
 400 OSTRANDER AVENUE
 RIVERHEAD, NY 11901

J:\Projects S-Z\SHD11305 - Ronkonkoma Wallpaper\CAD\IRM-WORK PLAN\FIG.2.dwg (Fig 4) Oct 11, 2013 3:39pm By: rodriguez



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CONSULTANTS

DRAWINGS PREPARED FOR

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| REVISION | DATE | INITIAL | COMMENTS |
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| DRAWING INFORMATION | |
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| PROJECT: | SHD1002 |
| DESIGNED BY: | DE |
| DRAWN BY: | LLG |
| APPROVED BY: | PWG |
| DATE: | 4/20/10 |
| SCALE: | AS SHOWN |

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| SHEET TITLE | |
| UIC LOCATIONS | |
| 934 EASTON STREET RONKONKOMA, NY | |
| FIGURE NO | 2 |
| SHEET | - OF - |