

ADDENDUM NO 1 (10/09)

WORK PLAN

for

REMEDIAL INVESTIGATION/ ALTERNATIVES ANALYSIS REPORT and INTERIM REMEDIAL MEASURE

FORMER REMINGTON-RAND FACILITY 184 SWEENEY STREET CITY OF NORTH TONAWANDA, NIAGARA COUNTY, NEW YORK

This addendum modifies Section A2.3 (see below) of the March 2009 (above referenced) work plan. This addendum incorporates the results from the remedial investigation (RI) completed in May 2009 as it relates to the interim remedial measures (IRMs) to be accomplished under the RI-AAR program. Based on the RI, IRMs identified in the original approved work plan have been modified to incorporate the specific RI findings. The work plan IRM Section A2.3 is modified as follows:

A Final Engineering Report associated with the remedial construction activities will be developed as part of the project to document remedial activities. A Site Management Plan will also be developed that will detail the required Institutional and Engineering Controls including:

- A description of all institutional and engineering controls including the mechanism that will be used to implement, maintain, monitor and enforce the IRMs by the owner, owners successors and assigns, and by local government, as necessary.
- Provisions for an environmental easement with proof of filing with the responsible municipal authority.
- An Excavation Management Plan that will include available data on soil/debris remaining below the 2' cover.
- Appropriate plans for implementation of the engineering and institutional controls, such as for handling soils removed beneath the soil cover or cap within the construction zone.
- Requirements for annual engineering certification and reporting

A2.3 Interim Remedial Measures

Based on the findings of the SI program and discussions with regulatory stakeholders, the following IRMs have been determined. IRMs are used to prevent, mitigate, or remedy

environmental damage or the consequences of environmental damage attributable to the site. The purpose is to lessen obvious site contamination risks to the environment and/or public health. Based on the results of the SI program four IRMs were selected. These IRMs may represent the final remedial measures for the property. The IRMs are:

1. Install sub-slab vapor venting system beneath a portion of the ground floor slab of the structure.
2. Removal of stained soils and/or top two feet of impacted soil and replacement with two feet of clean fill and/or cement/asphalt paving sections.
3. Remove sediments and clean building floor drains and elevator shafts
4. Sample transformer oil and remove transformers and any impacted soil/materials adjacent/below transformers.

The following is a brief description of each IRM:

- 1) Sub-slab vapor ventilation system** will be accomplished by installing a passive soil vapor ventilation system in the rear northeast end of the center section of the structure, south of the courtyard area. The system will be designed to allow for conversion to an active sub-slab depressurization system by installing pumps. The technology is similar to that used for radon mitigation actions and will follow specifications described in EPA and NYSDEC guidance. This IRM will be undertaken because the vapor intrusion study indicated that low levels of vapors are entering or could enter the enclosed portion of that section of the building and may propose an environmental health risk to current or future occupants of the building. Please note, the design for that portion of the building includes vehicle parking in that area. As such, the passive system is designed as a precaution for future use changes. Refer to Attachment A for technical specifications and design drawings for this IRM.
- 2) Removal of stained soil and/or top two feet of impacted soil** will be designed and implemented in accordance with standard brownfields guidance. In general, the top two feet of soil in property green space areas will be removed and replaced with soil meeting Brownfield requirements for replacement fill (Section 5.4 (e) of NYSDEC DER-10-Technical Guidance for Site Investigations and Remediation including 6NYYCCR375 – Appendix 5A – Allowable Constituent Levels for Imported Fill or Soil Subdivision) and or with concrete/asphalt paving sections. The removed soil will be disposed of at an offsite approved landfill. Refer to Attachment A for technical specifications and design drawings for this IRM.

Soil removal and re-placement tasks will include excavation using appropriate heavy equipment. Registered trucks, appropriate/approved for transport on public roads will be loaded with the excavated contaminated soil/debris material for disposal. The excavated contaminated soil/debris will be transported to a landfill approved for disposal of this material by the NYSDEC.

Soils management/handling procedures will be designed/implemented to focus on reducing or eliminating the potential for workers and the future residents to come in contact with the elevated levels of PAHs and metals in certain site soils. Based on a review of the investigation data and the proposed future use, it has been determined that the following general approach will be utilized in managing soils during the re-construction and on-going maintenance of the site.

- All soil/debris material excavated in the project area will be managed as if they are impacted. This means that any potentially impacted soil/debris material excavated at the site will be disposed offsite at a facility permitted to accept non-hazardous soils/debris
- All soil/debris materials that remain exposed at the surface following excavation and/or re-grading will be capped with at least two feet of clean soil meeting restricted residential guidelines as specified in Section 5.4 (e) of NYSDEC DER-10-Technical Guidance for Site Investigations and Remediation including 6NYYCCR375 – Appendix 5A – Allowable Constituent Levels for Imported Fill or Soil Subdivision and/or covered with concrete/asphalt paving sections to prevent direct contact or generation of fugitive dust.
- All imported fill materials should be obtained from “virgin” sources and be tested to ensure they are suitable/acceptable with the imported soil requirements of DER-10 noted above.
- Dust control measures with air monitoring will be implemented during all intrusive activities to minimize inhalation exposures and create a public record. The requirements of the New York State Department of Health (NYSDOH) Community Air Monitoring Plan (CAMP) and the NYSDEC Fugitive Dust Suppression and Particulate Monitoring Program (TAGM 4031) will be implemented for particulates during all work activities that involve the excavation and handling of the fill material. Previous assessments on the property indicate that minimal volatile organic compounds are associated with the property. If during the course of construction, volatile organic compounds are indicated at elevated levels, monitoring for these compounds will be included.
- Construction oversight will be provided during all intrusive activities associated with the unsuitable site soil/debris material to provide air monitoring and to document compliance with the plan. A final construction monitoring report will be prepared upon project completion.
- Clean imported fill will be placed around all utilities (DER-10 Guidance). All utilities shall be backfilled with suitable fill to a minimum of 6 inches around the utility including 6 inches below the utility so as to prevent possible contact during future utility repairs with possible contaminated soils at depth.
- Covenants for the property in the form of an Environmental Easement shall be

developed as part of the Institutional and Engineering Control Plan, which shall prohibit the site owner from performing any subsurface excavations without managing soils in accordance with the plan.

- Any landscaping, garden or common play/recreational areas planned for this project area will require the submission of a plot plan of where these areas are planned prior to these being added. If the landscaped area is at grade two feet of soil will have to be removed and replaced with clean fill as noted above. If the landscaped area is to be elevated above existing grade say by one foot only one foot of existing soil will be required to be removed and still leaving two feet of clean fill below the final grade. Future changes to landscaping will be handled in the same manor and as address in the Site Management Plan and the Excavation Management Plan.
 - During the course of construction, if an area of fill is encountered that is materially different from the fill characterized during the previous site assessments, construction will be halted and the area/fill will be further assesses to include representative sampling and analysis.
 - Future construction/excavation will require following those Site Management Plan recommendations indicated above and within the general Excavation Management Plan.
 - A Final Engineering Report will be prepared upon completion of remedial activities to document that construction followed the plan.
- 3) **Remove sediments and clean floor drains and elevator pits** by removing sediments from all drains and sumps including elevator shaft pits and transport to approved landfill based on requirements (note, material will be profiled to determine proper disposal). After sediment removal, trenches and elevator shafts will be washed and the wash water containerized. All materials will be tested for disposal purposes and properly disposed of off-site at an approved regulated facility. Refer to Attachment A for technical specifications and design drawings for this IRM.
- 4) **Removal of the courtyard transformers** including a single transformer along the south side of the courtyard and the bank of nine transformers along the northern exit of the courtyard, adjacent to Tremont Street. Tasks will include sampling the transformer to determine PCB content and for proper disposal purposes in accordance with regulations. The transformer units will then be cleaned and properly disposed of off-site. Soil/debris below/adjacent the transformer bank along Tremont street to be excavated and removed in accordance with the requirements of the soil removal IRM. Refer to Attachment A for technical specifications and design drawings for this IRM.

PART B QUALITY ASSURANCE/QUALITY CONTROL PLAN

All applicable sections of PART B of the original approved work plan apply to this addendum.

Appendix B Health & Safety Plan

All applicable sections of Appendix A of the original approved work plan apply to this addendum.

**REMINGTON LOFTS TECHNICAL SPECIFICATIONS INTERIM REMEDIAL MEASURES (IRMS)
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SECTION 026001 - TECHNICAL SPECIFICATIONS INTERIM REMEDIAL MEASURES (IRMS)

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 specification sections, apply to this section.
- B. Section 02 41 00 - SELECTIVE DEMOLITION
- C. Section 02 82 00 - ASBESTOS ABATEMENT
- D. Section 02 83 00 - LEAD PAINT REMOVAL

1.02 SUMMARY

- A. Remington Lofts on the Canal, LLC (Owner) has entered into a Brownfield Site Cleanup (BCP) Agreement with the NYSDEC under the Voluntary section of the "Brownfield Cleanup Program Act". Based on the findings of the environmental investigation program the following measures (called Interim Remedial Measures under the BCP) have been determined. IRMs are used to prevent, mitigate, or remedy environmental damage or the consequences of environmental damage attributable to the site and allow for completion of the re-development project.
- B. The IRM's are:
 - 1. Remove sediments and clean building floor drains and elevator shaft pits.
 - 2. Install a sub-slab vapor venting system beneath a portion of the ground floor slab of the structure.
 - 3. Remove impacted soil exterior to the building for off-site disposal and replace with clean fill and or cement/asphalt paving sections.
 - 4. Remove and properly dispose of PCB transformer oils, transformers, concrete transformer pad and pre-engineered concrete electric switchgear building.

1.03 SUBMITTALS

- A. The Contractor shall submit the following documents:
 - 1. Contractor's schedule.
 - 2. Site Specific Health and Safety Plan.
 - 3. Waste Removal Plan
 - 4. Analytical Test Results, as applicable
 - 5. Waste Manifests and/or Bills of Lading
 - 6. Waste Disposal Receipts
 - 7. Required permits, as applicable

1.04 SITE SPECIFIC HEALTH AND SAFETY PLAN

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- A. This Contract will require work, which may involve exposure to physical and chemical hazards. The Contractor shall assume full control and responsibility for providing a safe working environment for the contractor's on-site personnel, Subcontractors, the Engineer, the Owner and any other authorized visitors to the site.
- B. The Contractor shall provide facilities, equipment, monitoring instruments, materials and personnel necessary to protect Contractor's on-site personnel, Subcontractors, the Engineer, the Owner, and any other authorized visitors to the site from physical injury and adverse health effects due to potential exposure to materials and/or conditions.
- C. The Contractor shall develop and implement a written Health and Safety Plan (HASP) which, as a minimum, meets the requirements of this Section and compiles with all applicable Federal and State Regulations including, but not limited to, the following:
 - 1. Occupational Safety Health Administration (OSHA) Regulations 29 CFR 1910.120
 - 2. OSHA Regulations 29 CFR 1926
 - 3. New York State Department of Health (NYSDOH) Community Air Monitoring Plan (CAMP)
 - 4. NYSDEC TAGM 4031 Air Monitoring Requirements
- D. The HASP shall be submitted and accepted by the Engineer and Owner prior to commencing any work. The HASP shall, at a minimum, address the following subject areas as deemed necessary by the Contractor's health and safety personnel in accordance with OSHA Part 29 CFR 1910.120 and applicable New York State regulations:
 - 1. On-site health and safety organization.
 - 2. Hazard analysis of each site task and operation to be performed.
 - 3. Provisions for employee training to ensure compliance with 29 CFR 1910.120(e). Personal protective equipment (PPE) to be used by employees for each of the site tasks and operations being conducted to eliminate potential exposures, as required by the PPE programs in 1910.120(g)(5).
 - 4. Personnel and equipment decontamination procedures in accordance with 1910.120(k), as applicable.
 - 5. Standard Operating Safety Procedures, engineering controls and work practices.
 - 6. First aid requirements.
 - 7. Confined space entry requirements, if applicable, meeting requirements of 29 CFR 1910.146.
 - 8. Dust Control measures with air monitoring.
 - 9. A spill containment program meeting the requirements of 1910.120(j)
 - 10. Heat/cold stress monitoring.

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11. Record keeping procedures.

1.05 METHOD OF MEASUREMENT AND PAYMENT

- A. There will be no direct payment for preparation and submittal of documents and plans as identified in this section. The Contractor shall include the cost of document preparation and submittals in the bid items for each of the IRM's as detailed herein.

1.06 SCOPES OF WORK

- A. IRM 1 - Remove sediments and clean building floor drains and elevator shaft pits.
 1. The Contractor shall provide all labor, materials, equipment, and services necessary for, and incidental to, the cleaning of interior building floor drains/trenches and elevator shaft pits as detailed on Drawing IRM-103. This includes, but is not limited to, removing and properly disposing of potentially contaminated sediments and/or soils and the plugging of existing inlet or outlet pipes with cement grout all in accordance with NYSDEC requirements.
- B. IRM 2 - Install a sub-slab vapor venting system beneath a portion of the ground floor slab of the structure.
 1. The Contractor shall provide all labor, materials, equipment, and services necessary for, and incidental to, the installation of a passive sub-slab vapor venting system as detailed on Drawing IRM-103. This includes, but is not limited to, constructing a vapor venting pit through the concrete floor and installing PVC piping for vapor venting from the pit through the building roof all as detailed on Drawing IRM-103.
- C. IRM 3 - Remove impacted soil exterior to the building for off-site disposal and replace with clean fill and/or concrete/asphalt paving sections.
 1. The Contractor shall provide all labor, materials, equipment, and services necessary for, and incidental to, the excavation and disposal of impacted surface soils and replacement with clean fill material from within the property lines of the site as indicated on Drawing IRM-101.
 2. Impacted soil shall be removed to a minimum depth of two feet below final grades (as shown on drawings) in open green space areas not to be covered by paving systems. In areas covered by paving systems (concrete, asphalt or paver blocks) impacted soil will be removed to the depth of the paving system below final grade (refer to Drawings IRM-100, IRM-101, IRM-102 & IRM-103). A "paving system" shall consist of concrete, asphalt or paver block surface, clean stone/gravel sub-base and a geotextile fabric barrier as detailed on Drawing IRM-102 with a minimum total thickness of 12" over contaminated soils. The quantity of impacted soils to be removed is estimated to be 1,375 yd³; this is an Engineer's Estimate provided for reference only and shall not be utilized for establishing a bid price. Contractors shall be responsible for determining actual volume of

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- required soil removal based on the contract documents and shall indicate that amount in their bid proposals.
3. All impacted soil shall be removed to an approved permitted landfill facility. Imported clean fill material shall be used to meet final grades.
- D. IRM 4 - Remove and properly dispose of PCB transformer oils and transformers.
1. The Contractor shall provide all labor, materials and equipment and service necessary for, and incidental to the removal and proper disposal of all PCB containing transformers, non-PCB containing transformers and associated fluid reservoirs as shown on Drawing IRM-101 and as described in Stohl Environmental's Transformer Sampling Results report (Stohl Report) provided in Attachment D to this specification.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

3.01 IRM 1 - REMOVE SEDIMENTS AND CLEAN BUILDING FLOOR DRAINS AND ELEVATOR SHAFT PITS.

- A. All soil, sediment and/or sludge shall be removed from each drain/pit identified on Drawing IRM-103 and properly disposed of at an approved permitted facility. Sediment removal shall be by hand, with a vacuum machine or other means acceptable to the Engineer. Characterization analytical results from sediment samples collected from drains/pits during the remedial investigation are included in Attachment A to this specification and sample locations are shown on Drawing IRM-103.
- B. After the removal of the sediments, any pipe penetrations into the drains/pits are to be abandoned by placing cement grout in the pipe end to form a water tight seal at the entrance to the drain/pit.
- C. Upon completion of sealing pipe penetrations, the drain/pit walls and bottoms shall be washed down with low pressure water source. Wash water shall be solidified with an absorbent material (Kitty litter or other material acceptable to the Engineer) or drummed for off-site disposal at an approved permitted facility. Absorbent material shall be disposed with the sediments. Any additional analytical testing required by a disposal facility shall be at the expense of the Contractor. Wastes shall be kept to a minimum
- D. Verification from the disposal facility of proper disposal of all materials shall be submitted to the Engineer and NYSDEC.
- E. Please note, it is important that the method used to clean the drains result in the least amount of waste disposal as possible while still completing the task in accordance with these specifications and NYSDEC requirements. The most cost efficient and effective approach is requested.

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- F. Method of Measurement and Payment: The Contractor shall furnish all labor, materials, tools, equipment and services necessary to perform all work required to complete this IRM bid item for the lump sum price in the Contractors bid schedule. The lump sum price shall include all costs, including mobilization/demobilization, to perform all work to complete the IRM bid item

3.02 IRM 2 - INSTALL A SUB-SLAB VAPOR VENTING SYSTEM BENEATH A PORTION OF THE GROUND FLOOR SLAB OF THE STRUCTURE.

- A. Saw-cut and remove existing concrete floor slab centered in the area of required sub-slab vapor venting and as required to install underslab piping as located on drawing IRM-103. Provide smooth cut edge to ensure clean joint where new slab will be installed over top of vapor venting pit and vent pipe.
- B. Excavate and remove sub-slab gravel base to depth indicated on detail drawings, IRM-103. Ensure firm, compacted soil base for CMU bearing blocks in all four corners of vapor venting pit.
- C. Install 6" schedule 40 PVC vent pipe as indicated on detail drawings, IRM-103. Ensure proper support below and around pipe to prevent crushing from new slab installation above. Install pipe with open end in clear air space of new vapor venting pit.
- D. Install CMU bearing blocks and plywood deck as shown on detail drawings, IRM-103. Pour new concrete floor slab, minimum 3000 psi, over top of vapor venting pit with double layer of welded wire mesh and dowelled connections into surrounding existing floor slab, 3 dowels per side. Install ½" expansion joint material at joint in concrete above pit.
- E. Backfill and compact vent pipe trench with clean gravel base and patch concrete floor slab. Install pipe sleeve with sealant at vertical riser through slab alongside column.
- F. Install 6" schedule 40 PVC vent pipe riser up to and across ceiling of garage to location shown on drawing IRM-103. Core drill second, third, and fourth floor and roof slabs as required to extend riser straight up through building with no bends or elbows; install pipe sleeves and sealant at all penetrations. Terminate above roof as shown, including dedicated electrical circuit for installation of future in-line fan if powered ventilation is determined to be necessary. Clearly label vent stack pipe at all floors with permanent marking: "SUBSLAB VAPOR VENTILATION EXHAUST STACK - DO NOT DISTURB".

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- G. Method of Measurement and Payment: The Contractor shall furnish all labor, materials, tools, equipment and services necessary to perform all work required to complete this IRM bid item for the lump sum price in the Contractor's bid schedule. The lump sum price shall include all costs, including mobilization/demobilization, to perform all work to complete the IRM bid item.

3.03 IRM 3 - REMOVE IMPACTED SOIL EXTERIOR TO THE BUILDING FOR OFF-SITE DISPOSAL AND REPLACE WITH CLEAN FILL AND/OR CONCRETE/ASPHALT PAVING SECTIONS.

- A. The Contractor shall complete the following tasks as part of this work item prior to beginning construction activities:
 - 1. Contact the Underground Facilities Protection Organization and have all subsurface facilities marked.
 - 2. Establish contractor work limits within the staked property boundary.
 - 3. Install safety fencing around all work areas to restrict and control public access to the site.
 - 4. Install storm water and erosion controls consistent with the project requirements
- B. The Contractor shall be responsible for preparing a detailed excavation/disposal plan to be submitted to the Engineer and Owner for review. The excavation/disposal plan shall include, but not limited to, the following:
 - 1. Method of excavation and disposal (equipment, offsite transport, disposal location (NYSDEC permitted landfill), etc.) of impacted soil
 - 2. Handling of groundwater, if encountered, during excavation to protect the work area and offsite areas.
 - 3. End use verification of disposed soil to meet NYSDEC tracking requirements (Bills of Lading, manifests, etc.).
 - 4. Erosion and sedimentation control methods: As part of the excavation/disposal plan the contractor shall prepare an erosion and sediment control plan that depicts how site drainage will be handled during construction to prevent contaminated water and/or sediment leaving the site (silt fences, etc) and rain water from entering excavations.
 - 5. Clean imported fill will be placed around all utilities (DER-10 Guidance). All utilities shall be backfilled with suitable fill to a minimum of 6 inches around the utility including 6 inches below the utility so as to prevent possible contact during future utility repairs with possible contaminated soils at depth.

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- C. All soil/fill to be removed from within the site property lines is to be considered impacted soil to be disposed of off-site at a NYSDEC approved permitted facility. The impacted soil is considered to be non-hazardous material and analytical results from surface and subsurface soil samples collected during the remedial investigation, including a figure depicting location of samples, are provided in Attachment B to this specification for reference.
- D. Upon acceptance of the excavation/disposal plan the contractor shall commence implementation of the plan and complete all work within the approved project schedule. The areas to be excavated are delineated on drawing IRM-101 and detailed on drawing IRM-102. All impacted soil shall be disposed of at a NYSDEC permitted landfill. Complying with landfill disposal requirements (sampling, testing, permits, etc.) shall be the responsibility of the Contractor.
- E. All backfill materials and topsoil imported to the site will be obtained from a virgin borrow source. A virgin source will be defined as that which has never been used for commercial or industrial purposes. The contractor must provide documentation to the Engineer and Owner. The contractor's certification concerning the nature of the backfill and topsoil will be confirmed by the following:
 - 1. Backfill borrow source soil will be tested (sampled/analyzed) based on the requirements of section 5.4 (e) of NYSDEC DER-10-Technical Guidance for Site Investigations and Remediation. Samples must be collected, analyzed and submitted to the Engineer for approval prior to importing fill to the site. Samples of the backfill and topsoil should be collected and analyzed for those parameters included in the NYSDEC DER-10-Technical Guidance for Site Investigations and Remediation, Appendix 5A -- Allowable Constituent Levels for Imported Fill or Soil, Subdivision 5.4 (e) for Restricted Residential Use. A copy of applicable sections of NYSDEC DER-10 is provided in Attachment C for reference.
 - 2. The contractor must provide documentation regarding the location of the clean fill/borrow source area.
 - 3. The contractor must provide a certification statement certifying that, to the best of his knowledge, the material was obtained from a virgin source and is one that has neither known to have or exhibit evidence of disposal of release of hazardous or toxic substances, radioactive waste, solid waste or petroleum products.
 - 4. Imported backfill materials shall be placed and compacted as specified in Section 31 23 00 of the specifications.
- F. The contractor should provide a package of information to the Engineer and NYSDEC that documents the information requested above and includes the location of the clean fill source, the number of sample collected/analyzed with respect to the volume of soil planned for importation, how and where the

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samples where collected for representative purposes, a summary of the analytical results with regard to the NYSDEC DER-10 guidelines for restricted residential, as noted above use, and a statement summarizing how this specification was met.

- G. Please note that the intent is to certify that the top two feet of material at the property limits meets restricted residential use. This includes both fill and any topsoil.
- H. Verification from the disposal facility of proper disposal of all materials shall be submitted to the Engineer and NYSDEC.
- I. Method of Measurement and Payment:
 - 1. The Contractor shall furnish all labor, materials, tools, equipment and services necessary to excavate and properly dispose impacted soils on a unit price basis per ton as delivered and recorded on the scale receipts issued by the approved disposal facility.
 - 2. The Contractor shall furnish all labor, materials, tools, equipment and services necessary to import and place clean fill on a unit price basis per ton as recorded on truck weigh receipts/manifests delivered to the site.
 - 3. The unit prices in the Contractor's bid schedule shall include all costs, including mobilization/demobilization, to perform all work to complete the IRM bid item.

3.04 IRM 4 - REMOVE AND PROPERLY DISPOSE OF PCB TRANSFORMER OILS AND TRANSFORMERS.

- A. The Contractor shall ensure that electric service is terminated from the work area prior to decommissioning electrical equipment. The Contractor is solely responsible for this and shall take all precautions necessary to ensure the safety of his employees and other on-site personnel.
- B. The Contractor shall remove all PCB containing transformers as described in the Stohl Report (Attachment D) as well as the concrete transformer pad and the pre-engineered concrete electric switchgear building as shown on drawing IRM-101. In addition, if any of the metal parts of the equipment show evidence of staining from prior dapping or leaks, these parts will be considered contaminated. Any spill or stained soils adjacent PCB containing equipment shall be immediately cleaned-up by the Contractor and all materials used in the cleanup shall be considered contaminated.
- C. Storage of PCB contaminated material shall be done in watertight, secure, containers that meet appropriate regulations and the approval of the Engineer and the NYSDEC.
- D. All PCB containing materials shall be removed and disposed of at a disposal facility permitted to accept these materials. The disposal will consist of incinerating or recycling contaminated materials; landfilling will not be

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acceptable.

- E. The Contractor's employees shall be trained in procedures to minimize exposure to liquids, vapors and wastes by inhalation, accidental ingestion or skin contact. Any spill shall be immediately cleaned-up by the Contractor and all materials used in the cleanup shall be considered contaminated.
- F. The Contractor shall also remove and properly dispose of non-PCB containing transformers and fluid reservoirs as identified in the Stohl Report and shown on Drawing IRM-101.
- G. All PCB and non-PCB fluids shall be properly disposed of in accordance with applicable local, state and federal laws and regulations. The Contractor shall be responsible for any testing or sampling required for disposal at no additional cost to the Owner.
- H. Verification from the disposal facility of proper disposal of all materials shall be submitted to the Engineer and NYSDEC.
- I. Method of Measurement and Payment: The Contractor shall furnish all labor, materials, tools, equipment and services necessary to perform all work required to complete this IRM bid item for the lump sum price in the Contractor's bid schedule. The lump sum price shall include all costs, including mobilization/demobilization, to perform all work to complete the IRM bid item.

END OF SECTION

ATTACHMENT A

DRAIN/PIT SEDIMENT ANALYTICAL RESULTS

1 of 2										
Sample Number	RR-SS-SF-01	RR-SS-SF-04	RR-SS-SF-05	RR-SS-SF-07	RR-SS-SF-08	RR-SS-EN	RR-SS-DNE	RR-SS-ES	RR-SS-SF-DC	NYSDEC
Sample Date	5/20/2009	5/20/2009	5/20/2009	5/20/2009	5/20/2009	5/20/2009	5/20/2009	5/20/2009	5/20/2009	PART 375
Sample depth	3'	6.5'-7'	2.5'-3.5'	0.5'-2'	1'-2.5'	Floor Drain	Floor Drain	Elev Pit	Floor Drain	Residential
Compounds	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	(b) ppm
Metals										
Aluminum	4810	4138	7780	9370	2440	3620	4520	9690	9560	N/A
Antimony	4.4 J	ND	ND	ND	ND	19.4 J	2.4 J	153 J	143 J	N/A
Arsenic	9.1	1.5 J	5.1	11.5	1.4 J	5.7	5.2	13.4	54.3 (a)(b)	16
Barium	621 B (a)(b)	18.9 B	64 B	24.1 B	10.3 B	424 B (a)(b)	577 B (a)(b)	739 B (a)(b)	2540 B (a)(b)	350
Beryllium	0.635 J	0.22 J	0.402 J	0.533 J	0.138 J	0.812 J	0.295 J	0.417 J	0.528 J	14
Cadmium	1.96	0.173 J	0.362	0.367	0.173 J	3.7 (a)	6.67 (a)(b)	30.8 (a)(b)	16.7 (a)(b)	2.5
Calcium	20500 B	27000 B	6300 B	1180 B	77200 D08 B	17700 B	67200 D08 B	26600 B	60600 B	N/A
Chromium	9.74	7.06	13.3	14	3.55	54.7 (a)	48.8 (a)	73.5 (a)	153 (a)(b)	22
Cobalt	12.3	4.32	5.72	8.02	1.9	5.32	5.82	9.85	22.1	N/A
Copper	152	8.2	22.2	22.4	6.2	135	198	285 (a)(b)	147000 D08(a)(b)	270
Iron	23500 BJ	8650 BJ	14800 BJ	25400 BJ	5460 BJ	28500 BJ	16700 BJ	31000 BJ	257000 J D08 B	N/A
Lead	97.3 B	6.2 B	111 B	15.3 B	5.2 B	414 B (a)(b)	280 B	2110 B (a)(b)	10400 B (a)(b)	400
Magnesium	5240 J	7850 J	2350 J	2760 J	33300 J	4300 J	16200 J	4830 J	6390 J	N/A
Manganese	323	194	347	207	232	423	359	397	1800	2000
Mercury	0.296	ND	0.358	0.0225	ND	0.509	1.97 D08 (a)(b)	0.912 (a)(b)	3.31 D08 (a)(b)	0.81
Nickel	39.8	11.1	12.7	16.4	4.06	15.7	28.1	33.5	223	140
Selenium	1.4 J	ND	ND	0.9 J	ND	ND	ND	1.2 J	1.2 J	36
Potassium	699	832	1030	759	1050	309	709	1120	1770	N/A
Silver	ND	ND	ND	ND	0.698	0.999	0.999	2.39	54.8	36
Sodium	504	58.3 J	103 J	100 J	216	141 J	236	456	1950	N/A
Thallium	2.0 J	1.0 J	1.3 J	2.2 J	0.4 J	2.1 J	1.0 J	2.3 J	19.8	N/A
Vanadium	10.8	9.9	17.6	22.2	5.66	27.4	14.6	23.7	77.2	N/A
Zinc	459 B	38.0 B	112 B	56.4 B	44.2 B	500 B	866 B	985 B	8940 D08 B	10000
SVOCs										
2-Methylnaphthalene	0.092 D02,J	ND	0.31 D02,J	ND	ND	ND	ND	ND	ND	N/A
Acenaphthene	ND	ND	0.99 D02,J	ND	ND	ND	0.47 D02,J	ND	ND	100
Anthracene	ND	ND	2.9 D02	0.0084 J	ND	0.17 D02,J	0.95 D02,J	ND	0.44 D02,J	100
Benzaldehyde	ND	ND	ND	ND	ND	ND	ND	0.29 D02,J	1.1 D02,J	N/A
Benzo(a)anthracene	0.084 D02,J	ND	4.5 D02 (a)(b)	0.094 J	0.014 J	1.1 D02,J(a)(b)	3.6 D02,J (a)(b)	0.17 D02,J	1.4 D02,J (a)(b)	1
Benzo(a)pyrene	0.074 D02,J	0.017 J	3.1 D02(a)(b)	0.058 J	0.013 J	1.0 D02,J(a)(b)	3.1 D02,J (a)(b)	0.12 D02,J	1.5 D02,J (a)(b)	1
Benzo(b)fluoranthene	0.12 D02,J	0.013 J	3.7 D02(a)(b)	0.095 J	0.016 J	1.5 D02,J(a)(b)	4.0 D02,J (a)(b)	ND	1.9 D02,J (a)(b)	1
Benzo(g,h,i)perylene	0.12 D02,J	0.016 J	1.8 D02,J	0.037 J	0.017 J	1.2 D02,J	3.0 D02,J	0.23 D02,J	1.9 D02,J	100
Benzo(k)fluoranthene	0.065 D02,J	0.016 J	1.8 D02,J (a)	0.029 J	0.012 J	0.44 D02,J	2.0 D02,J (a)	ND	1.1 D02,J (a)	3.9
Bis(2-ethylhexyl)	ND	ND	ND	ND	ND	1.8 D02,J	5.2 D02,J	2.1 D02,J	5.3 D02,J	N/A
Butyl benzyl phthalate	ND	ND	ND	ND	ND	3.7 D02,J	ND	2.0 D02,J	2.5 D02,J	N/A
Diethyl phthalate	ND	ND	ND	ND	ND	ND	ND	0.11 D02,J	ND	N/A
Di-n-butyl phthalate	ND	ND	ND	ND	ND	ND	ND	1.8 D02,J	ND	N/A
Carbazole	ND	ND	1.4 D02,J	0.015 J	ND	ND	0.88 D02,J	ND	0.41 D02,J	N/A
Chrysene	0.084 D02,J	ND	4.3 D02 (a)(b)	0.098 J	0.013 J	1.0 D02,J (a)	3.6 D02,J (a)	ND	1.7 D02,J (a)	3.9

N/A - Not Applicable ND - Non-detect
bgs - below ground surface TICs - Tentitively Identified Compounds
Shading - Results above NYSDEC Restricted Residential Cleanup Objectives
B - Analyte was detected in the associated Method Blank.
D02 - Dilution required due to sample matrix effects
D08 - Dilution required due to high concentration of target analyte(s)
D10 - Dilution required due to sample color
QFL - Florisil clean-up (EPA 3620) performed on extract
QSU - Sulfur (EPA 3660) clean-up performed on extract
J - Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.

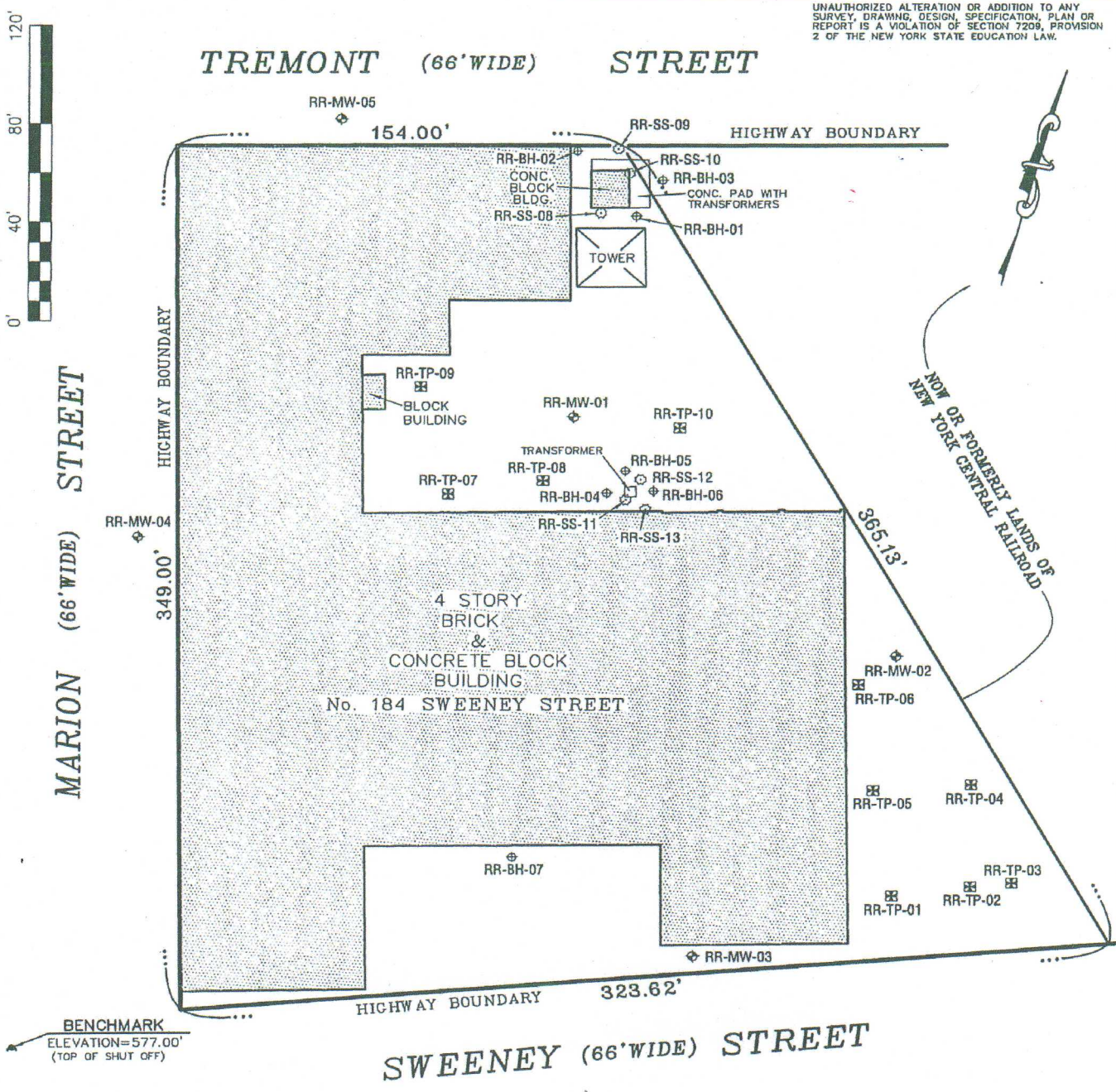
TABLE 5 (cont') - Remington Rand Sub-Slab Soil Boring and Drain Samples Analytical Results													2 of 2	
Sample Number	RR-SS-SF-01	RR-SS-SF-04	RR-SS-SF-06	RR-SS-SF-07	RR-SS-SF-08	RR-SS-EN	RR-SS-DNE	RR-SS-ES	RR-SS-SF-DC	NYSDEC	NYSDEC			
Sample Date	5/20/2009	5/20/2009	5/20/2009	5/20/2009	5/20/2009	5/20/2009	5/20/2009	5/20/2009	5/20/2009	PART 375	PART 375			
Sample depth	3'	6.5' - 7'	2.5' - 3.5'	0.5' - 2'	1' - 2.5'	Floor Drain	Floor Drain	Elev Pit	Floor Drain	Residential	Residential	Restrict-Res		
Compounds	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	(a) ppm	(b) ppm			
SVOCs														
Dibenz(a,h)anthracene	0.049 D02,J	0.012 J	0.57 D02,J (a)(b)	0.017 J	0.010 J	0.37 D02,J (a)(b)	0.92 D02,J (a)(b)	ND	0.41 D02,J (a)(b)	0.33	0.33			
Dimethyl phthalate	ND	ND	ND	ND	2.0	ND	ND	0.78 D02,J	1.1 D02,J	N/A	N/A			
Dibenzofuran	ND	Nd	1.2 D02,J	ND	ND	ND	0.47 D02,J	ND	ND	14	59			
Fluoranthene	0.084 D02,J	ND	11.0 D02,J	0.16 J	0.021 J	2.1 D02,J	8.1 D02,J	0.15 D02,J	3.1 D02,J	100	100			
Flourene	ND	ND	1.2 D02,J	ND	ND	ND	0.44 D02,J	ND	ND	100	100			
Indeno(1,2,3-cd)pyrene	0.11 D02,J	0.015 J	1.5 D02,J (a)(b)	0.035 J	0.014 J	0.91 D02,J (a)(b)	2.5 D02,J (a)(b)	0.18 D02,J	1.5 D02,J (a)(b)	0.5	0.5			
Naphthalene	0.067 D02,J	ND	0.45 D02,J	ND	ND	ND	0.46 D02,J	ND	ND	100	100			
Phenanthrene	0.11 D02,J	ND	13.0 D02	0.052 J	0.012 J	1.1 D02,J	6.0 D02,J	0.089 D02,J	2.2 D02,J	100	100			
Pyrene	0.082 D02,J	ND	8.0 D02	0.13 J	0.015 J	1.7 D02,J	6.1 D02,J	0.099 D02,J	2.3 D02,J	100	100			
TICs Total	ND	36.7	3.6	ND	ND	N/A	N/A	N/A	N/A					
PCBs														
Aroclor 1254	ND	ND	ND	ND	ND	ND	0.46 J QSU,D02	ND	ND	1	1			
Aroclor 1260	ND	ND	ND	ND	0.0057 QSU,J	ND	0.54 J QSU,D02	ND	ND	1	1			
Pesticides														
alpha-Chlordane	ND	ND	ND	ND	ND	0.052 J D10,QFL	0.027 D10,QFL,J	0.10 J D10,QFL	0.6 J D10,QFL	0.91	4.2			
Endrin	ND	ND	ND	ND	ND	0.0077 D10,QFL,J	ND	ND	ND	2.2	11			
Endosulfan II	ND	ND	ND	ND	ND	ND	0.015 D10,QFL,J	0.051 J D10,QFL	0.046 D10,QFL,J	4.8	24			
gamma-Chlordane	ND	ND	ND	ND	ND	ND	ND	ND	0.4 J D10,QFL,B	N/A	N/A			
4,4-DDE	ND	ND	ND	ND	ND	ND	0.032 D10,QFL,J	ND	0.06 D10,QFL,J	1.8	8.9			
4,4'-DDT	ND	ND	ND	ND	ND	0.033 J D10,QFL	0.12 D10,QFL	ND	0.049 D10,QFL,J	1.7	7.9			
Volatile Organics														
Methylene Chloride	0.011 J	ND	ND	ND	ND	ND	0.0040 J	0.0094 J	0.012 J	51	100			
Chloroform	ND	ND	ND	ND	ND	0.0065	ND	ND	ND	10	49			
sec-Butylbenzene	ND	0.0088	ND	ND	ND	ND	ND	ND	ND	100	100			
Trichloroethene	ND	ND	ND	ND	ND	ND	0.0040 J	ND	ND	10	21			
Acetone	ND	ND	ND	ND	0.017 J	ND	ND	ND	0.055	100	100			
TICs Total	1.1	5.21	ND	ND	1.1	N/A	N/A	N/A	N/A					

N/A - Not Applicable ND - Non-detect
bgs - below ground surface TICs - Tentatively Identified Compounds
Shading - Results above NYSDEC Restricted Residential Cleanup Objectives
B - Analyte was detected in the associated Method Blank.
D02 - Dilution required due to sample matrix effects
D08 - Dilution required due to high concentration of target analyte(s)
D10 - Dilution required due to sample color
QFL - Florisil clean-up (EPA 3620) performed on extract
QSU - Sulfur (EPA 3660) clean-up performed on extract
J - Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.

ATTACHMENT B

EXTERIOR SOIL SAMPLE ANALYTICAL RESULTS

UNAUTHORIZED ALTERATION OR ADDITION TO ANY SURVEY, DRAWING, DESIGN, SPECIFICATION, PLAN OR REPORT IS A VIOLATION OF SECTION 7209, PROVISION 2 OF THE NEW YORK STATE EDUCATION LAW.



BENCHMARK
ELEVATION=577.00'
(TOP OF SHUT OFF)

MONITOR WELL ELEVATIONS
(TOP OF PVC CASING)

RR-MW-01	575.43'
RR-MW-02	576.45
RR-MW-03	573.75'
RR-MW-04	574.67'
RR-MW-05	576.08'

MAP SHOWING SOIL TEST LOCATIONS FOR REMINGTON RAND SITE

PART OF BOOK 17 OF MICROFILMED MAPS, PAGE 1687 & PAGE 1642
PART OF LOT No. 81, MILE RESERVE
CITY OF NORTH TONAWANDA, COUNTY OF NIAGARA, STATE OF NEW YORK

LEGEND

- ⊕ = MONITOR WELL
- ⊙ = BORE HOLE
- ⊖ = SURFACE SAMPLE
- ⊞ = TEST PIT

REVISIONS

7/14/09: ADD MONITOR WELL ELEVATIONS

JAMES L. SHISLER, L.S., P.C.
PROFESSIONAL LAND SURVEYORS

WWW.SHISLERSURVEYORS.COM
P.O. BOX 516
EAST AURORA, NEW YORK 14052-0516
PHONE: (716) 655-1058
FAX: (716) 655-1964
DRAWN BY: TAK
CHECKED BY: JLS
JOB NO.: 09177
SCALE: 1" = 40'
DATE: 5/15/09
SHEET: C-4392

FIGURE 3:
Boring, Test Trench
and Well Locations

TABLE 1 - Remington Rand Soil Boring Analytical Results

Sample Number	RR-BH-01A	RR-BH-01B	RR-BH-02A	RR-BH-02B	RR-BH-03A	RR-BH-04A	RR-BH-04B	RR-BH-05A	RR-BH-06A	RR-BH-06B	RR-BH-07B	NYSDEC	NYSDEC
Sample Date	4/27/2009	4/27/2009	4/27/2009	4/27/2009	4/27/2009	4/27/2009	4/27/2009	4/27/2009	4/27/2009	4/27/2009	4/27/2009	PART 375	PART 375
Sample depth	Surface	1'-2'	Surface	4'-5'	Surface	Surface	4'-5'	Surface	Surface	2'-3'	2'-3'	Residential	Restrict-Res
Compounds	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	(a) ppm	(b) ppm
Metals													
Aluminum	N/A	8170	21500	11900	N/A	N/A	6590	6340	N/A	19200	7870	N/A	N/A
Antimony	N/A	ND	9.4 J	ND	N/A	N/A	1.0 J	1.4 J	N/A	1.2 J	ND	N/A	N/A
Arsenic	N/A	5.7	52.5 (a)(b)	6.0	N/A	N/A	5.2	6.2	N/A	20.2 (a)(b)	11.6	16	16
Barium	N/A	55	2160 D08 (a)(b)	47.1	N/A	N/A	75.5	105	N/A	164	61.4	350	400
Beryllium	N/A	0.505	2.41	0.436	N/A	N/A	0.28	0.271	N/A	1.25	0.289	14	72
Cadmium	N/A	0.98 J	4.12 J (a)	ND	N/A	N/A	ND	0.604 J	N/A	ND	ND	2.5	4.3
Calcium	N/A	7420	108000	2410	N/A	N/A	17100	17700	N/A	3620	2760	N/A	N/A
Chromium	N/A	12.6 BJ	119 B J (a)(b)	18.7 BJ	N/A	N/A	12.8 BJ	17.6 BJ	N/A	17.1 BJ	13.2 BJ	22	110
Cobalt	N/A	17	4.79	7.94	N/A	N/A	7.04	6.71	N/A	10.4	8.27	N/A	N/A
Copper	N/A	158	482 (a)(b)	22.6	N/A	N/A	57.5	70	N/A	73.2	21.9	270	270
Iron	N/A	15600	15800	21300	N/A	N/A	20100	24200	N/A	6530	19300	N/A	N/A
Lead	N/A	120	3030 MPS (a)(b)	12.5	N/A	N/A	78.1	150	N/A	130	12.3	400	400
Magnesium	N/A	3140	12500	2700	N/A	N/A	4950	7290	N/A	650	2890	N/A	N/A
Manganese	N/A	433	4450 D08 (a)(b)	136	N/A	N/A	212	471	N/A	335	517	2000	2000
Mercury	N/A	0.216 J	0.421 J	0.0288 J	N/A	N/A	0.0844 J	0.0805 J	N/A	0.178 J	0.0232 J	J	0.81
Nickel	N/A	34.2 J	24.4 J MPS	17.3 J	N/A	N/A	18.9 J	19.3 J	N/A	27.4 J	29.2 J	140	310
Selenium	N/A	ND	0.8 J	ND	N/A	N/A	ND	ND	N/A	ND	0.7 J	36	180
Potassium	N/A	731	1210	845	N/A	N/A	1040	807	N/A	1490	1110	N/A	N/A
Silver	N/A	ND	0.813	ND	N/A	N/A	ND	ND	N/A	ND	ND	36	180
Sodium	N/A	83.8 J	556	47.2 J	N/A	N/A	77.2 J	57 J	N/A	231	172	N/A	N/A
Vanadium	N/A	17.8	14	25.9	N/A	N/A	17.6	16	N/A	25.8	16.5	N/A	N/A
Zinc	N/A	308	1610 D08	55.1	N/A	N/A	94.1	146	N/A	144	70.9	2200	10000
SVOCs													
2-Methylnaphthalene	N/A	ND	ND	ND	N/A	N/A	ND	0.14 D02,J	N/A	ND	ND	N/A	N/A
Acenaphthene	N/A	0.04 J	ND	ND	N/A	N/A	0.24 D02,J	1.2 D02,J	N/A	ND	ND	100	100
Anthracene	N/A	0.085 J	0.23 D02,J	ND	N/A	N/A	0.69 D02,J	0.22 D02	N/A	ND	ND	100	100
Benzo(a)anthracene	N/A	0.43	1.2 D02,J (a)(b)	0.014 J	N/A	N/A	1.5 D02,J(a)(b)	4.8 D02 (a)(b)	N/A	0.048 J	ND	1	1
Benzo(a)pyrene	N/A	0.36	1.3 D02,J (a)(b)	0.029 J	N/A	N/A	1.3 D02,J(a)(b)	4.2 D02 (a)(b)	N/A	0.035 J	ND	1	1
Benzo(b)fluoranthene	N/A	0.4	2.3 D02,J (a)(b)	0.028 J	N/A	N/A	1.7 D02,J(a)(b)	4.5 D02 (a)(b)	N/A	0.11 J	ND	1	1
Benzo(g,h,i)perylene	N/A	0.19 J	1.4 D02,J	0.036 J	N/A	N/A	0.98 D02,J	3.0 D02	N/A	0.044 J	ND	100	100
Benzo(k)fluoranthene	N/A	0.18 J	ND	0.010 J	N/A	N/A	0.58 D02,J	2.8 D02 (a)	N/A	ND	ND	1	3.9
Carbazole	N/A	0.019 J	ND	ND	N/A	N/A	0.33 D02,J	1.6 D02,J	N/A	ND	ND	N/A	N/A
Chrysene	N/A	0.41	1.1 D02,J (a)	0.019 J	N/A	N/A	1.5 D02,J (a)	4.9 D02 (a)(b)	N/A	0.064 J	ND	1	3.9
Dibenz(a,h)anthracene	N/A	0.058 J	0.57 D02,J (a)(b)	0.018 J	N/A	N/A	0.27 D02,J	0.73 D02,J (a)(b)	N/A	0.010 J	ND	0.33	0.33
Dibenzofuran	N/A	0.0087 J	ND	ND	N/A	N/A	0.16 D02,J	0.79 D02,J	N/A	ND	ND	14	59
Fluoranthene	N/A	0.77	2.3 D02,J	0.015 J	N/A	N/A	3.5 D02	12.0 D02	N/A	0.062 J	ND	100	100
Flourene	N/A	0.017 J	ND	ND	N/A	N/A	0.25 D02,J	1.2 D02,J	N/A	ND	ND	100	100
Indeno(1,2,3-cd)pyrene	N/A	0.19 J	0.98 D02,J (a)(b)	0.022 J	N/A	N/A	0.87 D02,J (a)(b)	2.5 D02 (a)(b)	N/A	0.032 J	ND	0.5	0.5
Naphthalene	N/A	0.012 J	ND	ND	N/A	N/A	ND	0.34 D02,J	N/A	ND	ND	100	100
Phenanthrene	N/A	0.35	1.4 D02,J	0.0085 J	N/A	N/A	2.7 D02	11.0 D02	N/A	0.019 J	ND	100	100
Pyrene	N/A	0.67	1.6 D02,J	0.013 J	N/A	N/A	2.9 D02	9.7 D02	N/A	0.049 J	ND	100	100
TICs Total	N/A	0.38	0.56	0.19	N/A	N/A	ND	ND	N/A	ND	ND		
PCBs													
Aroclor 1254	ND	ND	ND	ND	0.07 J	ND	ND	ND	ND	ND	ND	1	1
Aroclor 1260	ND	ND	ND	ND	ND	ND	ND	0.045 J	0.1 J	ND	ND	1	1
Pesticides													
4,4'-DDT	N/A	N/A	0.049 J	N/A	N/A	N/A	N/A	ND	N/A	N/A	N/A	1.7	7.9
Volatile Organics													
Methylene Chloride	N/A	ND	N/A	ND	N/A	N/A	ND	N/A	N/A	ND	ND	51	100
Naphthalene	N/A	ND	N/A	ND	N/A	N/A	ND	N/A	N/A	ND	ND	100	100
Tetrachloroethene	N/A	ND	N/A	ND	N/A	N/A	ND	N/A	N/A	0.0014 J	ND	5.5	19
Acetone	N/A	ND	N/A	ND	N/A	N/A	0.012 J	N/A	N/A	ND	0.015 J	100	100
TICs Total	N/A	ND	ND	ND	N/A	N/A	ND	N/A	N/A	ND	0.015 J		

N/A - Not Applicable ND - Non-detect

bgs - below ground surface

TICs - Tentitively Identified Compounds

Shading - Results above NYSDEC Restricted Residential Cleanup Objectives

B - Analyte was detected in the associated Method Blank.

D02 - Dilution required due to sample matrix effects

D08 - Dilution required due to high concentration of target analyte(s)

ID4 - Benzo(b)fluoranthene coelutes with Benzo(k)fluoranthene. The reported result is a summation of the isomers and the concentration is based on the response factor of Benzo(b)fluoranthene

J - Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection

Limit (MDL). Concentrations within this range are estimated.

MPS - The post spike and/or serial dilution were outside the acceptance limits due to sample matrix interference. See Blank spike (LCS).

TABLE 2 (con't) - Remington Rand Test Trench Soil Analytical Results

TABLE 2 (cont') - Remington Rand Test Trench Soil Analytical Results																
2 of 2																
Sample Number	RR-TP-01B	RR-TP-02B	RR-TP-03A	RR-TP-04B	RR-TP-05A	RR-TP-06B	RR-TP-07A	RR-TP-07B	RR-TP-08A	RR-TP-08B	RR-TP-09A	RR-TP-09B	RR-TP-10A	RR-TP-10B	NYSDEC	NYSDEC
Sample Date	4/30/2009	4/30/2009	4/30/2009	4/30/2009	4/30/2009	4/30/2009	4/30/2009	4/30/2009	4/30/2009	4/30/2009	4/30/2009	4/30/2009	4/30/2009	4/30/2009	3-4'	PART 375
Sample depth	4'-5'	3'-4'	Surface	3.5'	Surface	6'-6.5'	Surface	6'	Surface	8'-10'	Surface	3'	Surface	3'-4'	Residential	Residential-Res
Compounds	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	(a) ppm	(b) ppm
PCBs																
Aroclor 1254	N/A	N/A	ND	N/A	ND	N/A	0.56 D08	ND	0.086	N/A	0.39 D08	0.41	ND	N/A	1	1
Aroclor 1248	N/A	N/A	0.026	N/A	ND	N/A	ND	ND	ND	N/A	ND	ND	0.31 J D08	N/A	1	1
Aroclor 1260	N/A	N/A	0.063 J	N/A	ND	N/A	0.44 J D08	ND	0.07 J	N/A	0.30 J D08	0.46 J	0.69 J D08	N/A	1	1
Pesticides																
Endosulfan Sulfate	N/A	N/A	0.11 J QFLD10	N/A	ND	N/A	0.019 D10,QFL,J	N/A	0.35 J D10,QFL	N/A	ND	N/A	ND	N/A	4.8	24
Endrin	N/A	N/A	ND	N/A	ND	N/A	0.062 J D10,QFL	N/A	ND	N/A	0.063 QFL,D10,J	N/A	0.043 QFL,D10,J	N/A	2.2	11
4,4-DDE	N/A	N/A	ND	N/A	ND	N/A	0.014 D10,QFL,J	N/A	ND	N/A	ND	N/A	ND	N/A	1.8	8.9
gamma-Chlordane	N/A	N/A	ND	N/A	ND	N/A	ND	N/A	ND	N/A	0.058 QFL,D10,J	N/A	ND	N/A	N/A	N/A
4,4'-DDT	N/A	N/A	ND	N/A	ND	N/A	ND	N/A	0.11 J D10,QFL	N/A	ND	N/A	ND	N/A	1.7	7.9
Volatile Organics																
Methylene Chloride	ND	0.0081	N/A	ND	N/A	ND	N/A	ND	N/A	ND	N/A	0.035 H	N/A	0.0086 H	51	100
1,1-Dichloroethane	ND	ND	N/A	ND	N/A	ND	N/A	0.0016 J	N/A	ND	N/A	ND	N/A	ND	19	26
Tetrachloroethane	ND	ND	N/A	ND	N/A	ND	N/A	ND	N/A	ND	N/A	ND	N/A	ND	5.5	19
Trichloroethane	ND	ND	N/A	ND	N/A	ND	N/A	ND	N/A	ND	N/A	ND	N/A	0.0013 H,J	10	21
cis-1,2-Dichloroethene	ND	ND	N/A	ND	N/A	ND	N/A	0.0023 J	N/A	ND	N/A	ND	N/A	0.0084 H	59	100
Isopropylbenzene	ND	ND	N/A	ND	N/A	ND	N/A	0.01	N/A	0.1 J	N/A	ND	N/A	ND	N/A	N/A
sec-Butylbenzene	ND	ND	N/A	ND	N/A	ND	N/A	0.042	N/A	0.17 J	N/A	ND	N/A	ND	100	100
Carbon Disulfide	ND	ND	N/A	ND	N/A	ND	N/A	ND	N/A	0.003 J	N/A	0.0019 H,J	N/A	ND	N/A	N/A
n-Butylbenzene	ND	ND	N/A	ND	N/A	ND	N/A	ND	N/A	0.13 J	N/A	ND	N/A	ND	100	100
n-Propylbenzene	ND	ND	N/A	ND	N/A	ND	N/A	ND	N/A	0.16 J	N/A	ND	N/A	ND	100	100
1,2,4-Trimethylbenzene	ND	ND	N/A	ND	N/A	ND	N/A	ND	N/A	0.13 J	N/A	ND	N/A	ND	47	52
Acetone	ND	ND	N/A	ND	N/A	0.16 D04	N/A	0.081	N/A	0.023 J	N/A	ND	N/A	0.061 H,J	100	100
TICs Total	ND	ND	N/A	ND	N/A	ND	N/A	5.03	N/A	2.75	N/A	0.28	N/A	0.014		

N/A - Not Applicable ND - Non-detect
 bgs - below ground surface
 Shading - Results above NYSDEC Restricted Residential Cleanup Objectives
 B - Analyte was detected in the associated Method Blank.
 D02 - Dilution required due to sample matrix effects
 D04 - Dilution required due to high levels of non-target compounds
 D08 - Dilution required due to high concentration of target analyte(s)
 D10 - Dilution Required due to sample color
 J - Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
 T10 - Sample had an adjusted final volume during extraction due to extract mix/or viscosity
 QFL - Florisil cleanup (EPA 3620) performed on extract
 H - Sample analysis performed past method specified holding time

TABLE 2 - Remington Rand Test Trench Soil Analytical Results

TABLE 2 - Remington Rand Test Trench Soil Analytical Results																
1 of 2																
Sample Number	RR-TP-01B	RR-TP-02B	RR-TP-03A	RR-TP-04B	RR-TP-05A	RR-TP-06B	RR-TP-07A	RR-TP-07B	RR-TP-08A	RR-TP-08B	RR-TP-09A	RR-TP-09B	RR-TP-10A	RR-TP-10B	NYSDEC	NYSDEC
Sample Date	4/30/2009	4/30/2009	4/30/2009	4/30/2009	4/30/2009	4/30/2009	4/30/2009	4/30/2009	4/30/2009	4/30/2009	4/30/2009	4/30/2009	4/30/2009	4/30/2009	PART 376	PART 376
Sample depth	4'-5'	3'-4'	Surface	3.5'	Surface	5.5' - 6'	Surface	6'	Surface	8'-10'	Surface	3'	Surface	2.5'-3'	Residential	Residential
Compounds	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	(a) ppm	(b) ppm
Metals			J													
Aluminum	8040 J	8350 J	11200 J	11600 J	5870 J	11200 J	4730 J	6990 J	6190 J	8290 J	8790 J	10200 J	5730 J	8350 J	N/A	N/A
Antimony	2.4 J	4.6 J	ND	ND	11.3 J	ND	ND	ND	2.8 J	ND	ND	2.1 J	14.4 J	0.7 J	N/A	N/A
Arsenic	4.7	6.8	4.9	3.3	27.5 (a)(b)	3.9	4.2	4.1	11.1	3.5	3.7	9.1	12.5	5.1	16	16
Barium	100	177	145	49.5	1020 (a)(b)	90.4	92.4	49.3	144	34	123	283	598 (a)(b)	75.5	350	400
Beryllium	0.383 J	0.684 J	1.79 J	0.38 J	0.855 J	0.602 J	0.366 J	0.394 J	0.52 J	0.368 J	1.01 J	0.636 J	0.708 J	0.48 J	14	72
Cadmium	0.271	0.56	1.41	ND	1.79	0.785	0.416	0.216 J	0.975	0.068 J	0.757	0.384	1.69	0.138 J	2.5	4.3
Calcium	16300 J	50800 J	386000 J D08	1600 J	19200 J	3560 J	50500 J	9970 J	55400 J	2140 J	112000 J D08	33100 J	133000 J D08	7790 J	N/A	N/A
Chromium	9.94 J	35.1 J(a)	20.8 J	12.2 J	28.4 J(a)	19.9 J	11.9 J	10.8 J	22.1 J(a)	12.2 J	18.2 J	20.4 J	49.9 J(a)	12.4 J	22	110
Cobalt	5.44	4.21	2.33	4.24	8.74	8.85	3.56	6.61	5.3	6.83	3.12	0.27	5.81	6.69	N/A	N/A
Copper	90.2	255	44.2	10.6	662 (a)(b)	57.2	62.1	20.5	82.8	14.3	178	257	695 (a)(b)	22	270	270
Iron	12500 J	18800 J	9470 J	12800 J	30600 J	23900 J	10700 J	16200 J	23500 J	15900 J	8790 J	32300 J	40800 J	15900 J	N/A	N/A
Lead	299 J	270 J	150 J	14.8 J	812 (a)(b)	50.1 J	91.1 J	33 J	215 J	7.8 J	115 J	482 J (a)(b)	872 J (a)(b)	74.9 J	400	400
Magnesium	4350 J	15000 J	18000 J	2320 J	6260 J	3090 J	8660 J	3380 J	30500 J	2640 J	24000 J	3330 J	3900 J	2650 J	N/A	N/A
Manganese	294 J	517 J	867 J	81.5 J	427 J	302 J	309 J	191 J	410 J	173 J	728 J	726 J	983 J	205 J	2000	2000
Mercury	0.168	0.188	0.116	0.0363	0.666	0.0559	0.247	0.0413	0.181	ND	0.246	0.573	0.353	0.0929	0.81	0.81
Nickel	12.1	14.6	10.4	12.2	914	19.6	10.2	17.3	29.6	18.3	8.56	20	33.8	13.2	140	310
Selenium	2.1 J	0.6 J	ND	ND	1.4 J	ND	ND	ND	ND	ND	ND	1.1 J	ND	1.0 J	36	180
Potassium	1450	1080	750	1120	446	1180	838	1300	1040	16.4	773	1480	655	1310	N/A	N/A
Silver	ND	0.216 J/B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	36	180
Sodium	474	224	265	95.5 J	271	121 J	102	102	153 J	74.7 J	172	102 J	215	131	N/A	N/A
Vanadium	13.5 J	15.6 J	0.55 J	19.9 J	28.2 J	22.3 J	13 J	16 J	23.7 J	15.8 J	10.7 J	28.9 J	66.8 J	22 J	N/A	N/A
Zinc	141 BJ	327 BJ	494 BJ	43.7 BJ	900 BJ	186 BJ	111 BJ	76.2 BJ	267 BJ	55.2 BJ	165 BJ	300 BJ	645 BJ	99.5 BJ	2200	10000
SVOCs																
2-Methylnaphthalene	0.17 J	0.034 J	ND	ND	0.71 D02,J	0.013 J	ND	0.017 J	9.0 T10,D02,J	ND	ND	ND	ND	ND	N/A	N/A
Acenaphthene	0.7	0.042 J	4.6 T10,D02,J	ND	5.6 D02	ND	0.72 D02,J	0.14 J	91.0 T10,D02	ND	1.9 T10,D02,J	0.43 D02,J	0.43 D02,J	ND	100	100
Acenaphthylene	0.11 J	0.080 J	0.83 T10,D02,J	ND	0.44 D02,J	ND	ND	ND	ND	ND	5.2 T10,D02,J	1.3 D02,J	1.4 D02,J	ND	100	100
Anthracene	1.4	0.11 J	9.7 T10,D02,J	ND	10.0 D02	0.029 J	1.5 D02,J	0.27	160.0 T10,D02(a)(b)	ND	ND	ND	ND	ND	N/A	N/A
Benzaldehyde	0.10 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Benzo(a)anthracene	3 (a)(b)	0.44	41.0 T10,D02(a)(b)	ND	26.0 D02(a)(b)	0.087 J	4.2 D02(a)(b)	0.7	350.0 T10,D02(a)(b)	ND	10 T10,D02,J(a)(b)	2.2 D02,J(a)(b)	4.4 D02(a)(b)	0.033 J	1	1
Benzo(a)pyrene	2.8 (a)(b)	0.45	42.0 T10,D02(a)(b)	ND	24.0 D02(a)(b)	0.079 J	4.0 D02(a)(b)	0.68	290.0 T10,D02(a)(b)	ND	8.8 T10,D02,J(a)(b)	1.8 D02,J(a)(b)	3.9 D02,J(a)(b)	0.033 J	1	1
Benzo(b)fluoranthene	3.3 (a)(b)	0.51	50.0 T10,D02(a)(b)	ND	27.0 D02(a)(b)	0.10 J	4.2 D02(a)(b)	0.77	320.0 T10,D02(a)(b)	ND	11.0 T10,D02,J(a)(b)	2.1 D02,J(a)(b)	4.8 D02(a)(b)	0.038 J	1	1
Benzo(g,h,i)perylene	1.5	0.33	26.0 T10,D02	ND	12.0 D02	0.056 J	2.6 D02,J	0.44	170.0 T10,D02(a)(b)	ND	5.5 T10,D02,J	0.97 D02,J	2.1 D02,J	0.020 J	100	100
Benzo(k)fluoranthene	1.1 (a)	0.28	19.0 T10,D02(a)(b)	ND	11.0 D02(a)(b)	0.031 J	2.2 D02,J(a)	0.27	150.0 T10,D02(a)(b)	ND	3.0 T10,D02,J(a)	0.62 D02,J	1.4 D02,J(a)	0.020 J	1	3.9
Biphenyl	0.053 J	ND	ND	ND	ND	ND	ND	ND	3.2 T10,D02,J	ND	ND	ND	ND	ND	N/A	N/A
Bis(2-ethylhexyl)phthalate	ND	ND	5.6 T10,D02,J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Carbazole	0.68	0.074 J	6.4 T10,D02,J	ND	8.5 D02	0.028 J	0.99 D02,J	0.20 J	110.0 T10,D02	ND	2.7 T10,D02,J	0.68 D02,J	0.58 D02,J	ND	N/A	N/A
Chrysene	2.9 (a)	0.47	41.0 T10,D02(a)(b)	ND	26.0 D02(a)(b)	0.089 J	4.1 D02(a)(b)	0.66	310.0 T10,D02(a)(b)	ND	9.8 T10,D02,J(a)(b)	2.1 D02,J(a)	4.1 D02,J(a)(b)	0.036 J	1	3.9
Dibenz(a,h)anthracene	0.4 (a)(b)	0.081 J	6.5 T10,D02,J(a)(b)	ND	3.6 D02,J(a)(b)	0.014 J	0.75 D02,J(a)(b)	0.11 J	48.0 T10,D02(a)(b)	ND	1.6 T10,D02,J(a)(b)	0.32 D02,J	0.61 D02,J(a)(b)	ND	0.33	0.33
Dibenzofuran	0.43	0.032 J	1.9 T10,D02,J	ND	3.8 D02,J	ND	0.41 D02,J	0.085 J	56.0 T10,D02(a)	ND	1.4 T10,D02,J	0.4 D02,J	ND	ND	14	59
Diethyl phthalate	0.036 J	0.019 J	ND	ND	0.27 D02,J	ND	ND	ND	ND	ND	ND	ND	ND	ND	N/A	N/A
Fluoranthene	7.7	0.95	110.0 T10,D02(a)(b)	ND	74.0 D02	0.22 J	9.9 D02	1.6	920.0 T10,D02(a)(b)	ND	24.0 T10,D02	4.9 D02	9.3 D02	0.074 J	100	100
Flourene	0.73	0.041 J	4.1 T10,D02,J	ND	6.2 D02	ND	0.68 D02,J	0.14 J	81.0 T10,D02	ND	2.2 T10,D02,J	0.68 D02,J	0.4 D02,J	ND	100	100
Indeno(1,2,3-cd)pyrene	1.5 (a)(b)	0.3	24.0 T10,D02(a)(b)	ND	12.0 D02(a)(b)	0.043 J	2.4 D02,J(a)(b)	0.38	160.0 T10,D02(a)(b)	ND	4.8 T10,D02,J(a)(b)	0.94 D02,J(a)(b)	2.0 D02,J(a)(b)	0.018 J	0.5	0.5
Naphthalene	0.27 J	0.033 J	ND	ND	1.5 D02,J	ND	ND	0.037 J	20.0 T10,D02,J	ND	ND	ND	ND	ND	100	100
Phenanthrene	6.1	0.58	60.0 T10,D02	ND	60.0 D02	0.19 J	8.2 D02	1.3	830.0 T10,D02(a)(b)	ND	22.0 T10,D02	5.3 D02	6.2 D02	0.054 J	100	100
Pyrene	5.5	0.73	78.0 T10,D02	ND	40.0 D02	0.15 J	8.1 D02	1.3	640.0 T10,D02(a)(b)	ND	18.0 T10,D02,J	3.7 D02	6.9 D02	0.054 J	100	100
TICs Total	11.75	2.27	N/A	1.04	N/A	1.43	N/A	67.36	N/A	133.4	N/A	ND	N/A	0.63	N/A	N/A

N/A - Not Applicable ND - Non-detect

bgs - below ground surface

TICs - Tentitively Identified Compounds

Shading - Results above NYSDEC Restricted Residential Cleanup Objectives

B - Analyte was detected in the associated Method Blank.

D02 - Dilution required due to sample matrix effects

D04 - Dilution required due to high levels of non-target compounds

D08 - Dilution required due to high concentration of target analyte(s)

D10 - Dilution Required due to sample color

J - Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.

T10 - Sample had an adjusted final volume during extraction due to extract mix/or viscosity

QFL - Florisil cleanup (EPA 3620) performed on extract

H - Sample analysis performed past method specified holding time

TABLE 3 - Remington Rand Surface Soil Sample Analytical Results

Sample Number	RR-SS-08A	RR-SS-09A	RR-SS-10A	RR-SS-11A	RR-SS-12A	RR-SS-13A	NYSDEC	NYSDEC
Sample Date	5/1/2009	5/1/2009	5/1/2009	5/1/2009	5/1/2009	5/1/2009	PART 375	PART 375
Sample depth	Surface	Surface	Surface	Surface	Surface	Surface	Residential	Restrict-Residential
Compounds	ppm	ppm	ppm	ppm	ppm	ppm	(a) ppm	(b) ppm
Metals								
Aluminum	7060	N/A	N/A	2710	N/A	N/A	N/A	N/A
Antimony	4.4 J	N/A	N/A	ND	N/A	N/A	N/A	N/A
Arsenic	16.6 (a)(b)	N/A	N/A	4	N/A	N/A	16	16
Barium	558 (a)(b)	N/A	N/A	82.2	N/A	N/A	350	400
Beryllium	0.543	N/A	N/A	0.165 J	N/A	N/A	14	72
Cadmium	11.4 (a)(b)	N/A	N/A	1.56	N/A	N/A	2.5	4.3
Calcium	27000	N/A	N/A	118000 D08	N/A	N/A	N/A	N/A
Chromium	62.1 B (a)	N/A	N/A	14.6 B	N/A	N/A	22	110
Cobalt	8.64	N/A	N/A	2.51	N/A	N/A	N/A	N/A
Copper	524 (a)(b)	N/A	N/A	30.6	N/A	N/A	270	270
Iron	37700	N/A	N/A	11000	N/A	N/A	N/A	N/A
Lead	1330 (a)(b)	N/A	N/A	413 (a)(b)	N/A	N/A	400	400
Magnesium	10700	N/A	N/A	9680	N/A	N/A	N/A	N/A
Manganese	487	N/A	N/A	256	N/A	N/A	2000	2000
Mercury	0.964 (a)(b)	N/A	N/A	0.066	N/A	N/A	0.81	0.81
Nickel	58.5	N/A	N/A	11.9	N/A	N/A	140	310
Selenium	ND	N/A	N/A	ND	N/A	N/A	36	180
Potassium	726	N/A	N/A	488	N/A	N/A	N/A	N/A
Silver	1.34	N/A	N/A	ND	N/A	N/A	36	180
Sodium	228	N/A	N/A	133 J	N/A	N/A	N/A	N/A
Vanadium	23.9	N/A	N/A	12.3	N/A	N/A	N/A	N/A
Zinc	1970 D08	N/A	N/A	634	N/A	N/A	2200	10000
Semi-Volatile Organics								
2-Methynaphthalene	ND	N/A	N/A	ND	N/A	N/A	N/A	N/A
Acenaphthene	ND	N/A	N/A	38.0 D02,T10,J	N/A	N/A	100	100
Anthracene	15.0 T10,D02,J	N/A	N/A	88.0 D02,T10	N/A	N/A	100	100
Benzo(a)anthracene	36.0 T10,D02,J(a)(b)	N/A	N/A	160.0 D02,T10(a)(b)	N/A	N/A	1	1
Benzo(a)pyrene	38.0 T10,D02,J(a)(b)	N/A	N/A	140.0 D02,T10(a)(b)	N/A	N/A	1	1
Benzo(b)fluoranthene	58.0 T10,D02,J(a)(b)	N/A	N/A	150.0 D02,T10(a)(b)	N/A	N/A	1	1
Benzo(g,h,i)perylene	27.0 T10,D02,J	N/A	N/A	85.0 D02,T10	N/A	N/A	100	100
Benzo(k)fluoranthene	14.0 T10,D02,J(a)(b)	N/A	N/A	80.0 D02,T10(a)(b)	N/A	N/A	1	3.9
Carbazole	10.0 T10,D02,J	N/A	N/A	55.0 D02,T10,J	N/A	N/A	N/A	N/A
Chrysene	38.0 T10,D02,J(a)(b)	N/A	N/A	150.0 D02,T10(a)(b)	N/A	N/A	1	3.9
Dibenz(a,h)anthracene	7.1 T10,D02,J(a)(b)	N/A	N/A	22.0 D02,T10,J(a)(b)	N/A	N/A	0.33	0.33
Dibenzofuran	ND	N/A	N/A	24.0 D02,T10,J (a)	N/A	N/A	14	59
Fluoranthene	82.0 T10,D02,J	N/A	N/A	410.0 D02,T10(a)(b)	N/A	N/A	100	100
Flourene	ND	N/A	N/A	39.0 D02,T10,J	N/A	N/A	100	100
Indeno(1,2,3-cd)pyrene	22.0 T10,D02,J(a)(b)	N/A	N/A	77.0 D02,T10,J(a)(b)	N/A	N/A	0.5	0.5
Naphthalene	ND	N/A	N/A	7.0 D02,T10,j	N/A	N/A	100	100
Phenanthrene	63.0 T10,D02,J	N/A	N/A	330.0 D02,T10(a)(b)	N/A	N/A	100	100
Pyrene	52.0 T10,D02,J	N/A	N/A	280.0 D02,T10(a)(b)	N/A	N/A	100	100
PCBs								
Aroclor 1254	ND	0.32 D08,QSU	ND	0.14 D08,J	0.11	0.099 J	1	1
Aroclor 1248	ND	ND	7.0 D08	ND	ND	ND	1	1
Pesticides								
Heptaclor	ND	N/A	N/A	0.17 QFL,D10,J	N/A	N/A	0.42	2.1
Methoxychlor	ND	N/A	N/A	0.16 QFL,D10,J	N/A	N/A	N/A	N/A
4,4'-DDT	0.21 D10,QFL,J	N/A	N/A	ND	N/A	N/A	1.7	7.9
Volatile Organics								
Methylene Chloride	N/A	N/A	N/A	N/A	N/A	N/A	51	100
Naphthalene	N/A	N/A	N/A	N/A	N/A	N/A	100	100
Tetrachloroethene	N/A	N/A	N/A	N/A	N/A	N/A	5.5	19
Acetone	N/A	N/A	N/A	N/A	N/A	N/A	100	100

N/A - Not Applicable ND - Non-detect

bgs - below ground surface

Shading - Results above NYSDEC Restricted Residential Cleanup Objectives

B - Analyte was detected in the associated Method Blank.

D02 - Dilution required due to sample matrix effects

D08 - Dilution required due to high concentration of target analyte(s)

D10 - Dilution required due to sample color

QFL - Florisil cleanup (EPA 3620) performed on extract

J - Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.

QSU - Sulfur (EPA 3660) cleanup performed on extract

T10 - Sample had an adjusted final volume during extraction due to extract mix/or viscosity

ATTACHMENT C

APPLICABLE SECTIONS OF NYSDEC DER-10

2. Sites located adjacent to, in or near wetlands, flood plains or other environmentally sensitive areas may have further requirements under the following DEC regulations (e.g., 6 NYCRR Parts 500-502, 608, 661 & 663).

3. Where site restoration calls for the abandonment of monitoring, recovery, injection or other wells installed as part of the remedial program, the decommissioning should be in accordance with the DER guidance entitled, "Groundwater Monitoring Well Decommissioning Procedures" (May 1995), or other applicable guidance identified by the DER.

(e) Compliance for soil imported to a site. Soil imported to construct a soil cover, cap system or as excavation backfill is subject to the requirements of 6 NYCRR 375-6.7(d).

1. Soil imported to a site for use in a soil cap, soil cover or as backfill will:

i. comply with any remedial action objectives which may be identified for a soil cover or the soil comprising a cap, by a remedy selected pursuant to section 4.

ii. be free of extraneous debris or solid waste;

iii. be comprised of soil or other unregulated material as set forth in 6 NYCRR 360;

iv. not exceed the allowable constituent levels for imported fill or soil as described in paragraph 2 below and presented in tabular form in appendix 5A, unless a site specific exemption is provided by the Department in accordance with paragraph 8 below; and

v. be tested as described in paragraph 3 below.

2. The material should not exceed the allowable constituent levels for imported fill or soil for the use of the site. The applicable level for:

i. unrestricted use sites are set forth in Table 375-6.8(a);

ii. residential, restricted-residential and commercial use sites are the lower of the:

(1) protection of groundwater; or

(2) protection of public health soil cleanup objectives for the identified use of the site are set forth in Table 375-6.8(b);

iii. industrial use sites are set forth in subparagraph ii above, except that the protection of public health objective used in the comparison would be that for commercial use as set forth in Table 375-6.8(b); or

iv. a restricted use site where consideration of the ecological resource SCO is required, the protection of ecological resources soil cleanup objective must also be considered in selecting the lowest of the applicable protection objectives.

3. Sampling is required for all imported soil backfill and cover material. Sampling frequency of the fill will be determined by the design or remedial action work plan, considering Table 5.4 below, and be performed consistent with sections 2.1 through 2.3. At least one sample from every new source is required, with a sampling frequency as follows:

i. for material being imported from a virgin mine/pit, at least one round of characterization samples is required;

ii. for material sources other than a virgin mine/pit (e.g. a former manufacturing site), at least one

sample per the volume in cubic yards shown on Table 5.4 below; or

- iii. for sites where large amounts of cover material/backfill is required, the sampling frequency can be reduced once a trend of compliance is established; and
- iv. the DER Project Manager may modify the number of samples required per source based on the site being remediated and the source of the material, in accordance with section 1.8.

NEW 4. Reuse of soil from the site. Soil originating on the site may be reused, as follows, provided sampling demonstrates:

- i. compliance with the unrestricted soil SCGs set forth in Table 375-6.8(a), in which event the soil may be used without restriction on or off the site;
- ii. compliance with the applicable SCO as set forth in Table 375-6.8(b), in which event the soil may be used for either backfill, the soil cover or to construct the cap within the areas of the site subject to the institutional control for the identified use of the site;
- iii. compliance with site-specific remedial action objective identified by the decision document for subsurface soil, but non-compliance with the applicable soil SCGs set forth in Table 375-6.8(b) for surface soils, in which event the soil may be used as backfill below the soil cover or impermeable layer of a cap if the soil properties are otherwise acceptable for this use; or
- iv. compliance with a site-specific background concentration determined in accordance with subsection 3.5.3, with the exception of the remedial program for sites in the BCP program or where the remedy specifically precludes its use, in which event the soil may be used:
 - (1) without restriction on the site; or
 - (2) as set forth in subparagraphs ii or iii above.

5. The following material may be imported, without chemical testing, to be used as backfill beneath pavement, buildings or the final soil cover, provided, however, that it contains less than 10% by weight material which would pass through a size 200 sieve and consists of:

- i. rock or stone, consisting of virgin material from a permitted mine or quarry; or
- ii. recycled concrete or brick from a Department registered construction and demolition debris processing facility which conforms to Section 304 of the New York State Department of Transportation Standard Specifications Construction and Materials Volume 1 (2002).

6. The remedial party must provide documentation of the source of fill to the DER for approval of the source of the material, which should include:

- i. the name of the person providing the documentation and relationship to the source of the fill;
- ii. the location where the fill was obtained;
- iii. identification of any State or local approvals as a fill source; and
- iv. if no prior approval is available for the source, a brief history of the use off the property which is the source of the fill.

7. Bills of lading should be provided to the DER to document that the fill delivered was from the DER approved source(s).

8. For all remedial programs except those developed pursuant to the BCP, the Department may issue a site specific exemption for one or more of the requirements set forth in this section, based upon site specific conditions, including but not limited to, the following:

- i. the use and redevelopment of the site;
- ii. the depth of placement of the backfill material;
- iii. the depth of placement of the backfill material relative to groundwater;
- iv. the volume of backfill material;
- v. the potential for odor from the backfill material;
- vi. the presence of historic fill in the vicinity of the site;
- vii. a Department issued beneficial use determination, pursuant to 6NYCRR Part 360; or
- viii. background levels of contamination in areas surrounding the site.

9. For remedial programs pursuant to the BCP, the Department can only provide a site-specific exemption for backfill only consistent with the provisions of Paragraph 8 above as follows:

- i. for Track 2 and Track 3 cleanups, for soils greater than 15 feet below ground surface; or
- ii. for Track 4 cleanups, for soils beneath buildings, pavement and other improvements or for soils beneath the 1 foot or 2 foot cover system over exposed surface soils.

(f) Compliance for soil export from a site. For soil that is being exported from the site to locations other than permitted disposal facilities the handling requirements are as set forth in this subdivision.

1. Levels of contamination must comply with the residential levels of appendix 5A absent a beneficial use determination issued by the Division of Solid and Hazardous Materials;

2.. The number of required samples for soil export are specified in Table 5.4; and

3. The DER Project Manager may modify the number of samples based on the location of the site receiving the soil.

Table 5.4 Recommended Number of Soil Samples for Soil Covers and Backfill for paragraphs 5.4(e)3 & (f)2				
Contaminant	Semi-volatiles		Volatiles	
Soil Quantity (yd3)	Grab	Composite	Grab	Composite
0-50	1		1	1
50-100	1		2	2
100-200	1		3	3
200-300	1		4	4
300-400	2		4	4
400-500	2		5	5
500-800	2		6	6
800-1000	2		7	7

Appendix 5A

Allowable Constituent Levels for Imported Fill or Soil Subdivision 5.4(e)

Source: This table is derived from the soil cleanup objective tables in 6NYCCR375. Table 375-6.8(a) is the source for unrestricted use and Table 375-6.8(b) is the source for restricted use.

Constituent	Unrestricted Use	Residential Use	Restricted Residential Use	Commercial or Industrial Use	If Ecological Resources are Present
Metals					
Arsenic	13	16	16	16	13
Barium	350	350	400	400	433
Beryllium	7.2	14	47	47	10
Cadmium	2.5	2.5	4.3	7.5	4
Chromium, Hexavalent ¹	1 ³	19	19	19	1 ³
Chromium, Trivalent ¹	30	36	180	1500	41
Copper	50	270	270	270	50
Cyanide	27	27	27	27	NS
Lead	63	400	400	450	63
Manganese	1600	2000	2000	2000	1600
Mercury (total)	0.18	0.73	0.73	0.73	0.18
Nickel	30	130	130	130	30
Selenium	3.9	4	4	4	3.9
Silver	2	8.3	8.3	8.3	2
Zinc	109	2200	2480	2480	109
PCBs/Pesticides					
2,4,5-TP Acid (Silvex)	3.8	3.8	3.8	3.8	NS
4,4'-DDE	0.0033 ³	1.8	8.9	17	0.0033 ³
4,4'-DDT	0.0033 ³	1.7	7.9	47	0.0033 ³
4,4'-DDD	0.0033 ³	2.6	13	14	0.0033 ³
Aldrin	0.005	0.019	0.097	0.19	0.14
Alpha-BHC	0.02	0.02	0.02	0.02	0.04 ⁴
Beta-BHC	0.036	0.072	0.09	0.09	0.6
Chlordane (alpha)	0.094	0.91	2.9	2.9	1.3
Delta-BHC	0.04	0.25	0.25	0.25	0.04 ⁴
Dibenzofuran	7	14	59	210	NS
Dieldrin	0.005	0.039	0.1	0.1	0.006
Endosulfan I	2.4 ²	4.8	24	102	NS
Endosulfan II	2.4 ²	4.8	24	102	NS
Endosulfan sulfate	2.4 ²	4.8	24	200	NS
Endrin	0.014	0.06	0.06	0.06	0.014
Heptachlor	0.042	0.38	0.38	0.38	0.14
Lindane	0.1	0.1	0.1	0.1	6
Polychlorinated biphenyls	0.1	1	1	1	1

Constituent	Unrestricted Use	Residential Use	Restricted Residential Use	Commercial or Industrial Use	If Ecological Resources are Present
Semivolatile Organic Compounds					
Acenaphthene	20	98	98	98	20
Acenaphthylene	100	100	100	107	NS
Anthracene	100	100	100	500	NS
Benzo(a)anthracene	1	1	1	1	NS
Benzo(a)pyrene	1	1	1	1	2.6
Benzo(b)fluoranthene	1	1	1	1.7	NS
Benzo(g,h,i)perylene	100	100	100	500	NS
Benzo(k)fluoranthene	0.8	1	1.7	1.7	NS
Chrysene	1	1	1	1	NS
Dibenz(a,h)anthracene	0.33 ³	0.33 ³	0.33 ³	0.56	NS
Fluoranthene	100	100	100	500	NS
Fluorene	30	100	100	386	30
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	5.6	NS
m-Cresol(s)	0.33 ³	0.33 ³	0.33 ³	0.33 ³	NS
Naphthalene	12	12	12	12	NS
o-Cresol(s)	0.33 ³	0.33 ³	0.33 ³	0.33 ³	NS
p-Cresol(s)	0.33	0.33	0.33	0.33	NS
Pentachlorophenol	0.8 ³	0.8 ³	0.8 ³	0.8 ³	0.8 ³
Phenanthrene	100	100	100	500	NS
Phenol	0.33 ³	0.33 ³	0.33 ³	0.33 ³	30
Pyrene	100	100	100	500	NS
Volatile Organic Compounds					
1,1,1-Trichloroethane	0.68	0.68	0.68	0.68	NS
1,1-Dichloroethane	0.27	0.27	0.27	0.27	NS
1,1-Dichloroethene	0.33	0.33	0.33	0.33	NS
1,2-Dichlorobenzene	1.1	1.1	1.1	1.1	
1,2-Dichloroethane	0.02	0.02	0.02	0.02	10
1,2-Dichloroethene(cis)	0.25	0.25	0.25	0.25	NS
1,2-Dichloroethene(trans)	0.19	0.19	0.19	0.19	NS
1,3-Dichlorobenzene	2.4	2.4	2.4	2.4	NS
1,4-Dichlorobenzene	1.8	1.8	1.8	1.8	20
1,4-Dioxane	0.1 ³	0.1 ³	0.1 ³	0.1 ³	0.1
Acetone	0.05	0.05	0.05	0.05	2.2
Benzene	0.06	0.06	0.06	0.06	70
Butylbenzene	12	12	12	12	NS
Carbon tetrachloride	0.76	0.76	0.76	0.76	NS
Chlorobenzene	1.1	1.1	1.1	1.1	40
Chloroform	0.37	0.37	0.37	0.37	12
Ethylbenzene	1	1	1	1	NS
Hexachlorobenzene	0.33 ³	0.33 ³	1.2	3.2	NS
Methyl ethyl ketone	0.12	0.12	0.12	0.12	100
Methyl tert-butyl ether	0.93	0.93	0.93	0.93	NS
Methylene chloride	0.05	0.05	0.05	0.05	12

Constituent	Unrestricted Use	Residential Use	Restricted Residential Use	Commercial or Industrial Use	If Ecological Resources are Present
Volatile Organic Compounds (continued)					
Propylbenzene-n	3.9	3.9	3.9	3.9	NS
Sec-Butylbenzene	11	11	11	11	NS
Tert-Butylbenzene	5.9	5.9	5.9	5.9	NS
Tetrachloroethene	1.3	1.3	1.3	1.3	2
Toluene	0.7	0.7	0.7	0.7	36
Trichloroethene	0.47	0.47	0.47	0.47	2
Trimethylbenzene-1,2,4	3.6	3.6	3.6	3.6	NS
Trimethylbenzene-1,3,5	8.4	8.4	8.4	8.4	NS
Vinyl chloride	0.02	0.02	0.02	0.02	NS
Xylene (mixed)	0.26	1.6	1.6	1.6	0.26

All concentrations are in parts per million (ppm)

NS = Not Specified

Footnotes:

¹ The SCO for Hexavalent or Trivalent Chromium is considered to be met if the analysis for the total species of this contaminant is below the specific SCO for Hexavalent Chromium.

² The SCO is the sum of endosulfan I, endosulfan II and endosulfan sulfate.

³ For constituents where the calculated SCO was lower than the contract required quantitation limit (CRQL), the CRQL is used as the Track 1 SCO value.

⁴ This SCO is derived from data on mixed isomers of BHC.

ATTACHMENT D

**STOHL TRANSFORMER SAMPLING RESULTS
REPORT**



STOHL ENVIRONMENTAL, LLC

Environmental – Asbestos, Lead and Mold Consultants

**4169 Allendale Pkwy., Suite 100
Blasdell New York 14219**

☎ (716) 312-0070

📠 (716) 312-8092

September 17, 2009

Mr. Jonathan H. Morris, AIA
Carmina Wood Morris PC
487 Main Street, Suite 600
Buffalo, NY 14203

RE: Transformer Sampling Results
Former Remington Rand Facility
184 Sweeney Street
North Tonawanda, New York 14120
Project No. 2009-260/09MS123

Dear Mr. Morris:

In accordance with the approved proposal for environmental services at the above-reference site (the Site), Stohl Environmental, LLC (Stohl), collected samples from ten pad-mounted transformers, two circuit breaker fluid reservoirs and stained soil/concrete (located proximate to one of the transformer units) on August 14, 2009. Prior to the sampling event, Edward A. Simoncelli (licensed electrician) of Simoncelli Electric (SE), completed an inspection of the transformer units and confirmed that they were not energized. A copy of the letter associated with this inspection is attached. The following summarizes the sampling event and analytical data.

Nine of the transformers are located on the northern portion of the Site (along Tremont Street) and are located on concrete slabs within a chain-link enclosure. Two fluid reservoirs, apparently associated with two circuit breakers, are located within a historic power house proximate the transformer pad. Oil from each transformer (identified as T-1 through T-9) and the fluid reservoirs (identified as C-1 and C-2) was collected using dedicated tubing. [Note that as fluid reservoir C-1 had three separate oil storage compartments, a composite sample was collected.] The samples were transferred into laboratory-supplied containers and placed into an iced cooler for transport to the laboratory.

The remaining transformer (T-10) is located on a single concrete slab south of the other transformers. An oil sample was collected for laboratory analysis via a stopcock near the base of this transformer. In addition, black staining (likely oil) was noted proximate to this transformer. Two samples, one soil (S-T10) and one concrete SC-T10), were also collected for analysis. The samples were transferred into laboratory-supplied containers and placed into an iced cooler for transport to the laboratory.

A site map depicting transformer sampling locations is attached. All samples were submitted under chain-of-custody to TestAmerica of Amherst, New York (TestAmerica) for polychlorinated biphenyl (PCB) analysis. The laboratory analytical data report is attached and a summary of results is provided on the following page.

Sample ID	PCB Concentration (mg/kg)
T-1	6.9
T-2	5.6
T-3	6.9
T-4	3.9
T-5	3.4
T-6	8.1
T-7	ND <1.8
T-8	ND <1.5
T-9	ND <1.5
T-10	240
C-1	ND<1.5
C-2	ND<1.3
S-T10	120
SC-T10	13

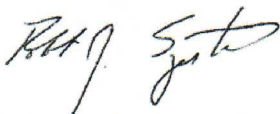
Notes:

mg/kg = milligrams per kilogram or parts per million, ppm
ND – no PCBs detected below detection limit shown

We trust that this report satisfies your current needs. Should you have any questions, please do not hesitate to contact the undersigned.

Sincerely,

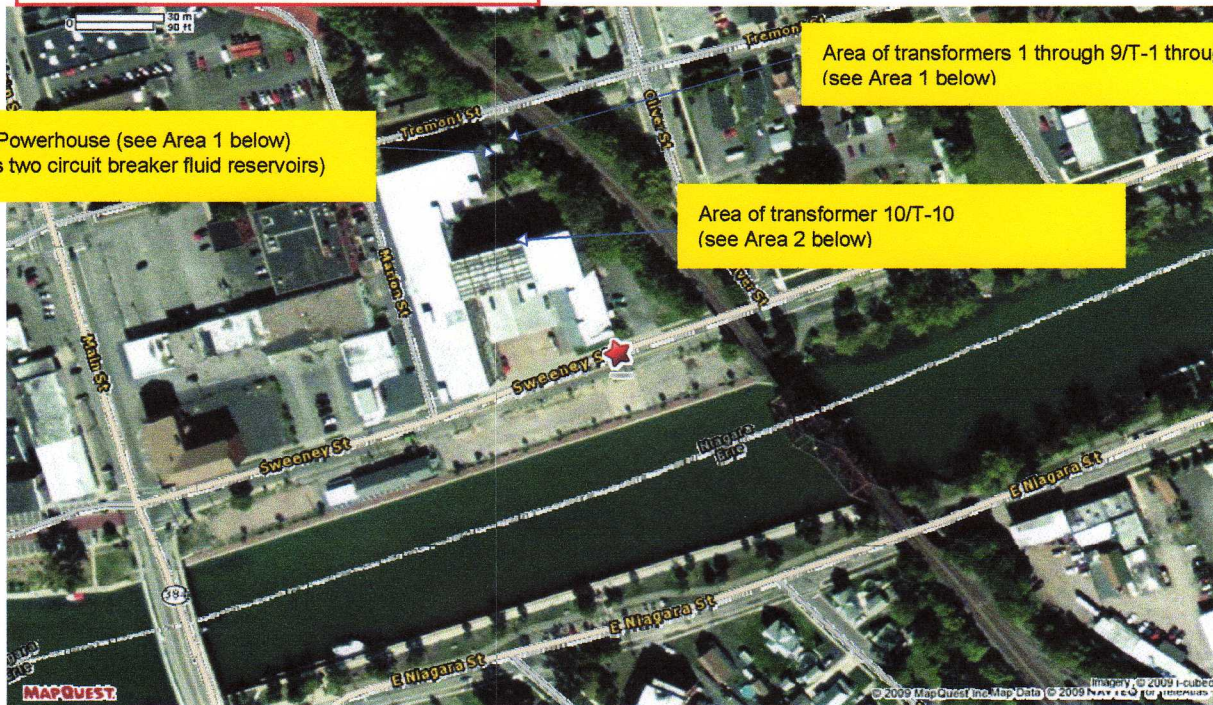
Stohl Environmental, LLC



Robert J. Szustakowski
Sr. Vice President

Attachments Electrician's letter
Site Map
Analytical results

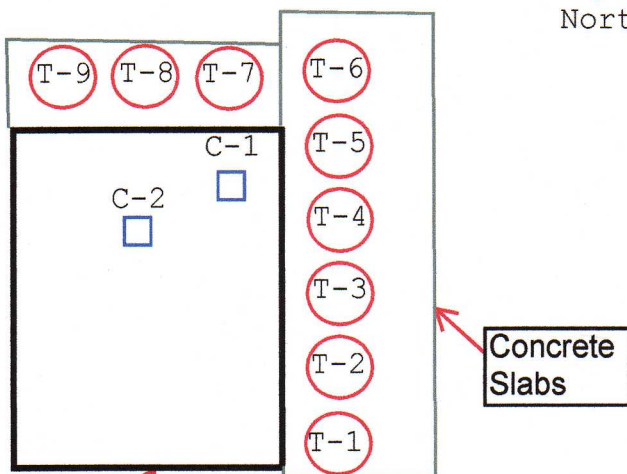
SITE MAP
 2009-260/09MS123
 Former Remington Rand Facility
 184 Sweeney Street
 North Tonawanda, New York 14120



AREA 1
 (Sample Locations)



North



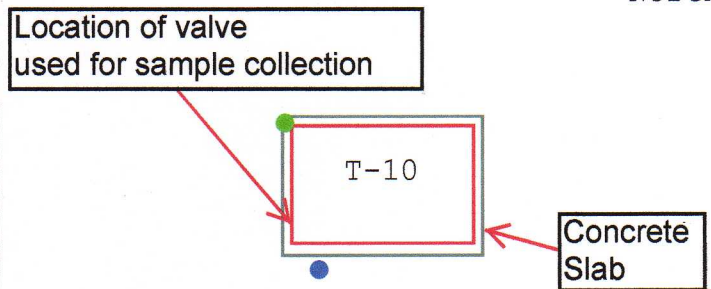
Historic Powerhouse

- Fluid Reservoir
- Pad-Mounted Transformer

AREA 2
 (Sample Locations)



North



- Soil Sample Location (S-T10)
- Soil/Concrete Sample Location (SC-T10)

Drawings Not To Scale

[illegible]

The undergarments in this case have been located from liquid surface sampling and analysis at the site. The undergarments were located in the area, vicinity of samples or equipment. The samples having been analyzed and the results of the analysis have been reported. The undergarments have been located in the area, vicinity of samples or equipment. The samples having been analyzed and the results of the analysis have been reported. The undergarments have been located in the area, vicinity of samples or equipment. The samples having been analyzed and the results of the analysis have been reported.

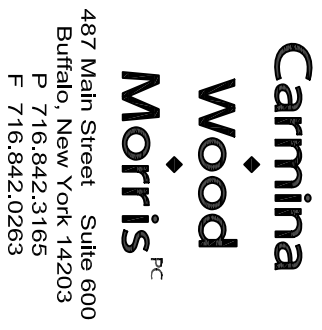
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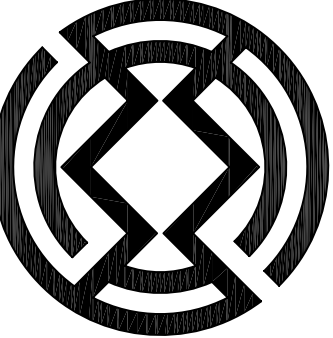
Conditions Survey

IRM-100

Project no.: 07.092

[illegible]

184 Sweeney Street
North Tonawanda
New York, 14210



Carmina
Wood
Morris
PC
480 Main Street, Suite 600
North Tonawanda, NY 14210
P 716.942.3185
F 716.942.4863

REVISIONS:		
No.	Description	Date
1	Addendum #1	02.01.2010

PROJECT NAME:
Renovation & New Construction
Remington Lofts on the Canal
184 Sweeney Street
North Tonawanda
New York, 14210

Issued for Construction:
Marked for Construction:
Drawn by: P. Lang
Scale: As Noted

DRAWING NAME:
IRM Impacted
Soil & Transformer
Removal Plan

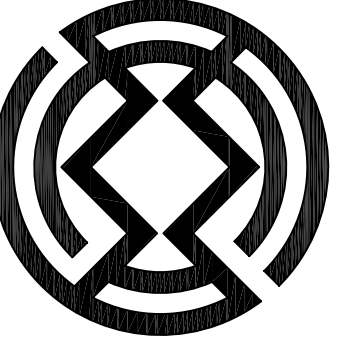
DRAWING NO.
IRM-101
Project no.: 07.092

IRM GENERAL NOTES

- IRM - REMOVE IMPACTED SURFACE SOIL EXTENSION TO BUILDING FOR ON-SITE DISPOSAL AND REPLACE WITH CLEAN FILL AND/OR CONCRETE / ASPHALT FINISH SECTION(S). ALL EXISTING AND REMOVED MATERIALS SHALL BE REMOVED TO THE EXCAVATION AND DISPOSAL OF IMPACTED SOIL. THE EXCAVATION AND DISPOSAL OF IMPACTED SOIL SHALL BE IN ACCORDANCE WITH THE PROPER LINES OF THE SITE AS INDICATED ON DRAWING IRM-101.
- IMPACTED SOIL SHALL BE REMOVED TO A MINIMUM DEPTH OF TWO FEET BELOW FINAL GRADES (AS SHOWN ON DRAWINGS) AND SHALL BE REMOVED TO THE EXCAVATION AND DISPOSAL OF IMPACTED SOIL. ALL EXISTING AND REMOVED MATERIALS SHALL BE REMOVED TO THE EXCAVATION AND DISPOSAL OF IMPACTED SOIL. THE EXCAVATION AND DISPOSAL OF IMPACTED SOIL SHALL BE IN ACCORDANCE WITH THE PROPER LINES OF THE SITE AS INDICATED ON DRAWING IRM-101.

SOIL REMOVAL KEY	
SYMBOL ON DRAWINGS	ACTION TO TAKE PLACE
[Symbol]	REMOVAL IS REQUIRED TO DEPTH OF 24" BELOW FINISHED GRADE AT LANDSCAPE AREAS.
[Symbol]	REMOVAL IS REQUIRED TO ACUTE DEPTH OF FINEMENT SYSTEM SUBBASE.

1
IMPACTED SOIL & TRANSFORMER REMOVAL PLAN
1"=20'-0"



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Environmental Design & Research
Sustainable Engineering & Construction
Site Development & Planning, Inc.

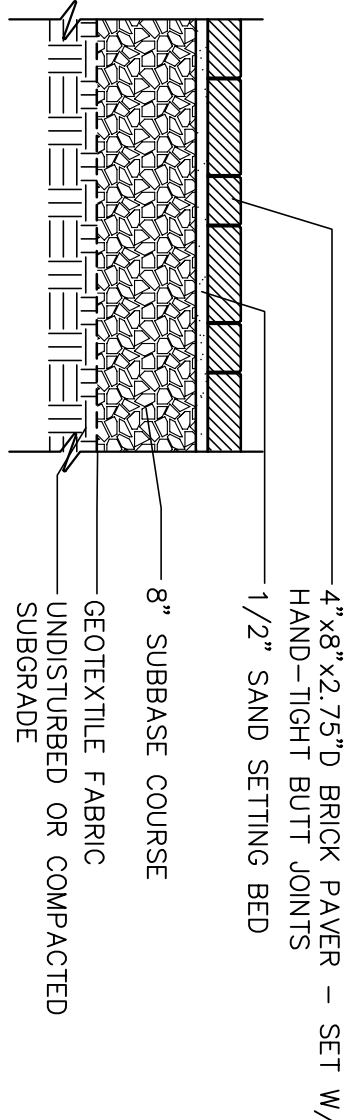
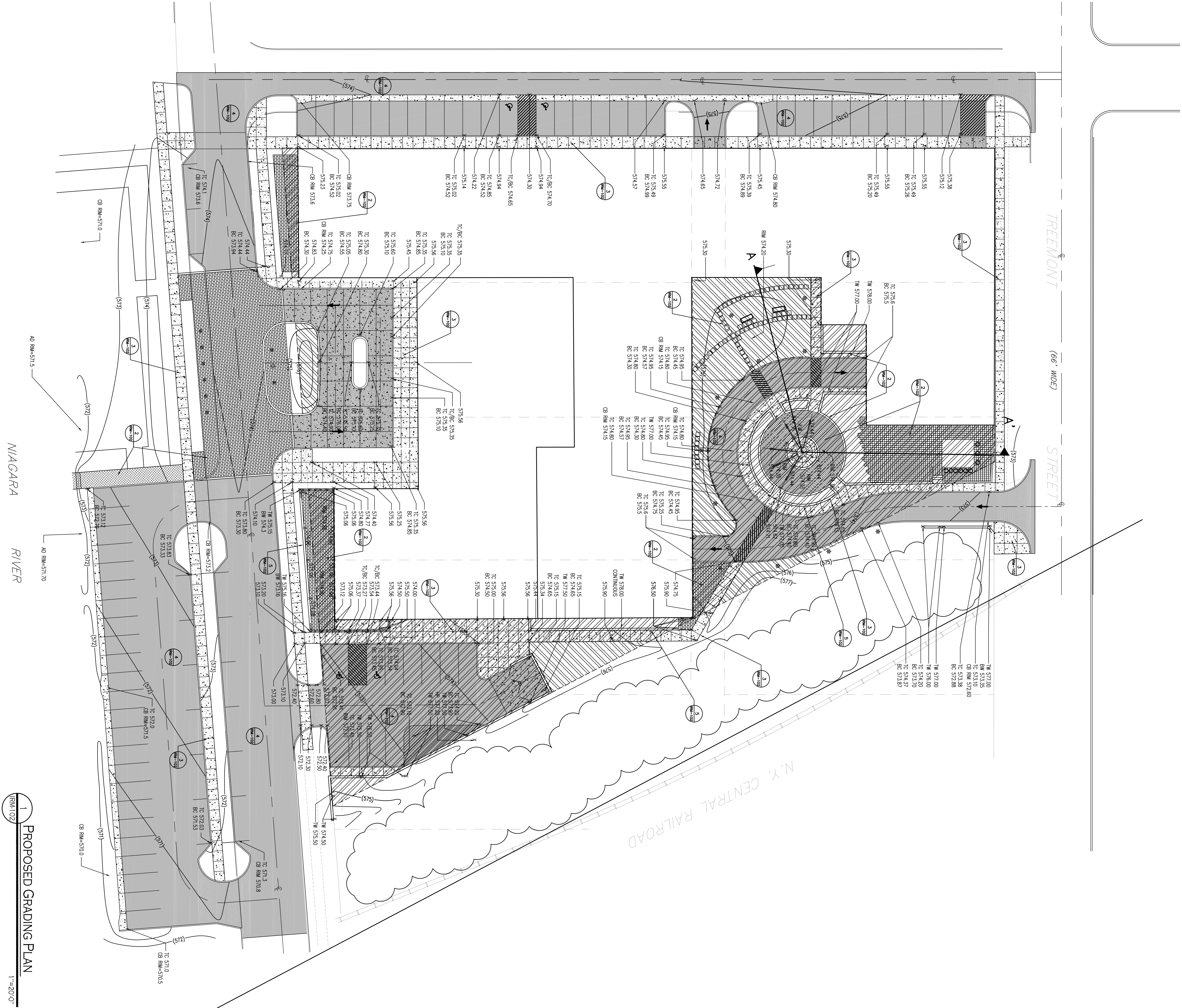
Syracuse Rochester Buffalo

No.	Description	Date
1	Addendum #1	02.01.2010

PROJECT NAME:
Renovation & New Construction
Remington Lofts on the Canal
184 Sweeney Street
North Tonawanda
New York, 14210

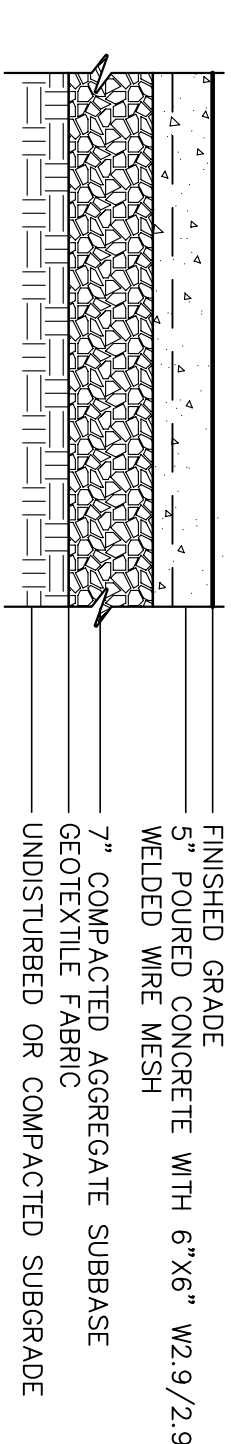
Issued for Construction:
Drawn by: P. Lang
Scale: As Noted
DRAUGHTING NAME:
Proposed
Grading Plan &
Paving Details

DRAWING NO.
IRM-102
Project no.: 07.092



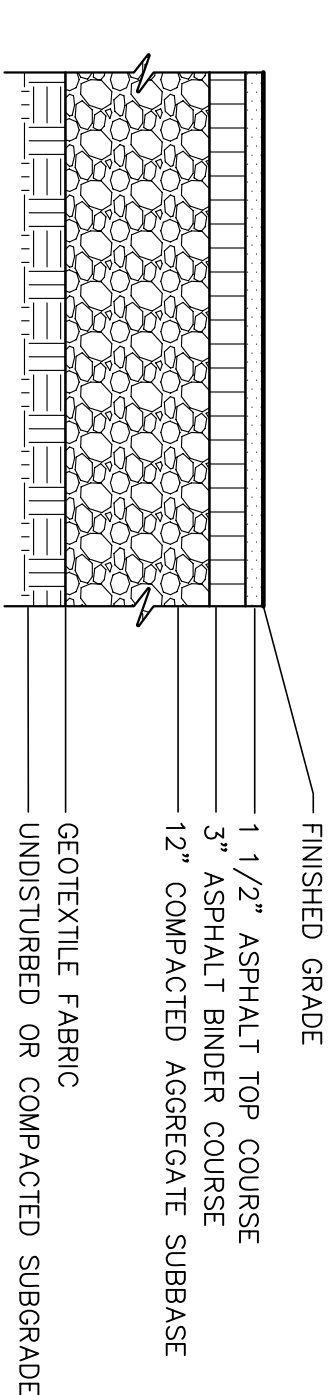
2 PEDESTRIAN DUTY MODULAR PAVEMENT

IRM-102 3/4"=1'-0"



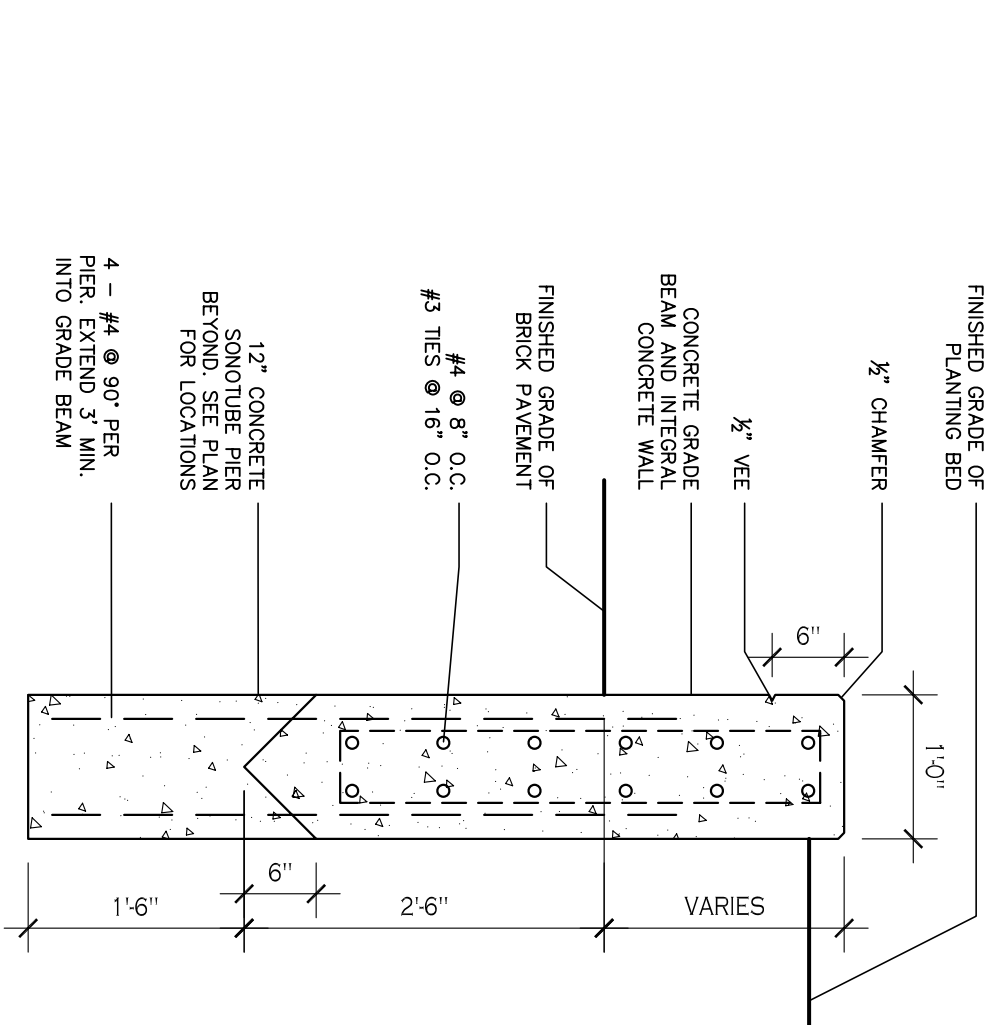
3 CONCRETE WALK PAVEMENT

IRM-102 3/4"=1'-0"



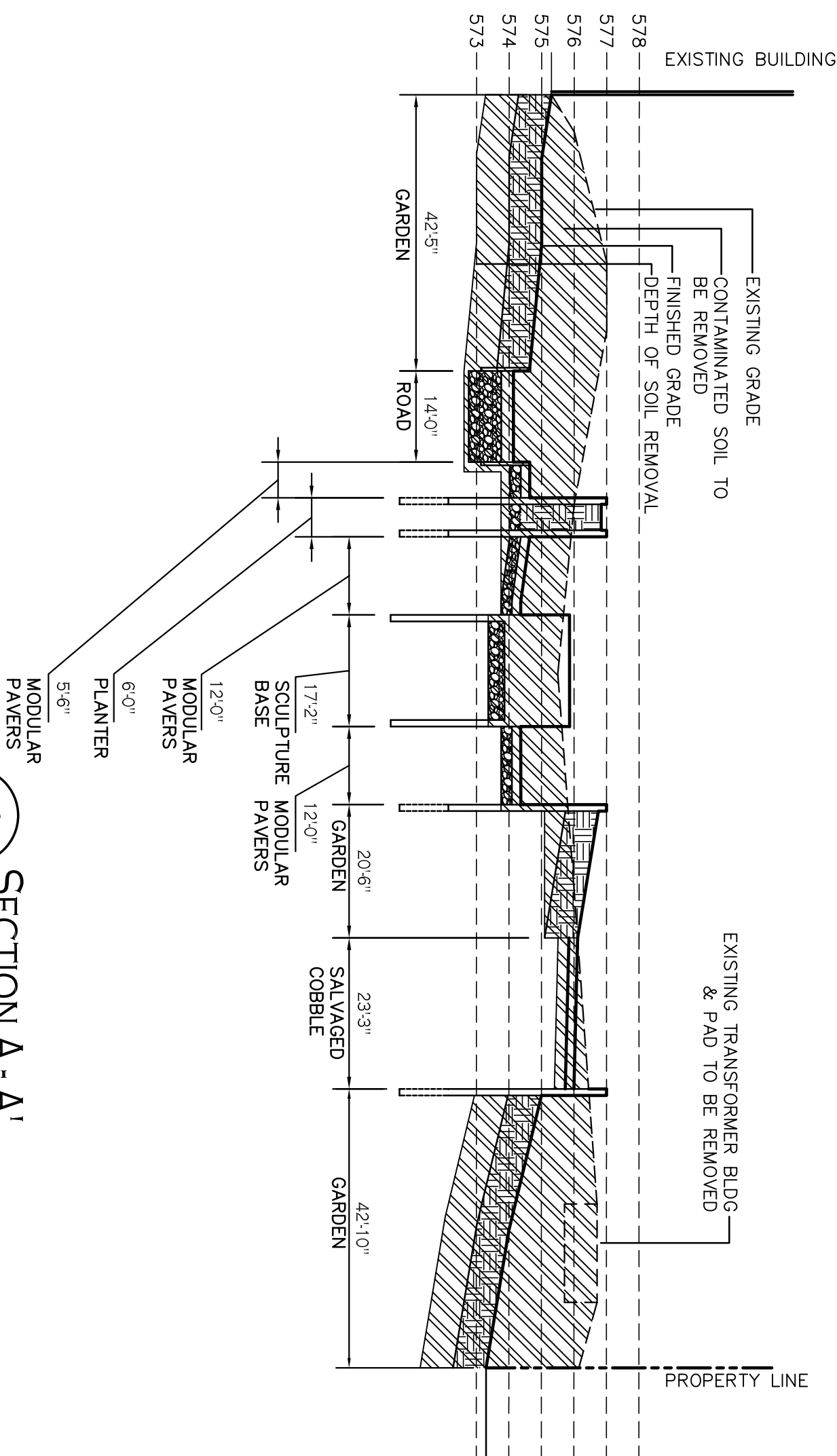
4 MEDIUM DUTY ASPHALT PAVEMENT

IRM-102 3/4"=1'-0"



5 CONCRETE GRADE BEAM & INTEGRAL CONCRETE WALL

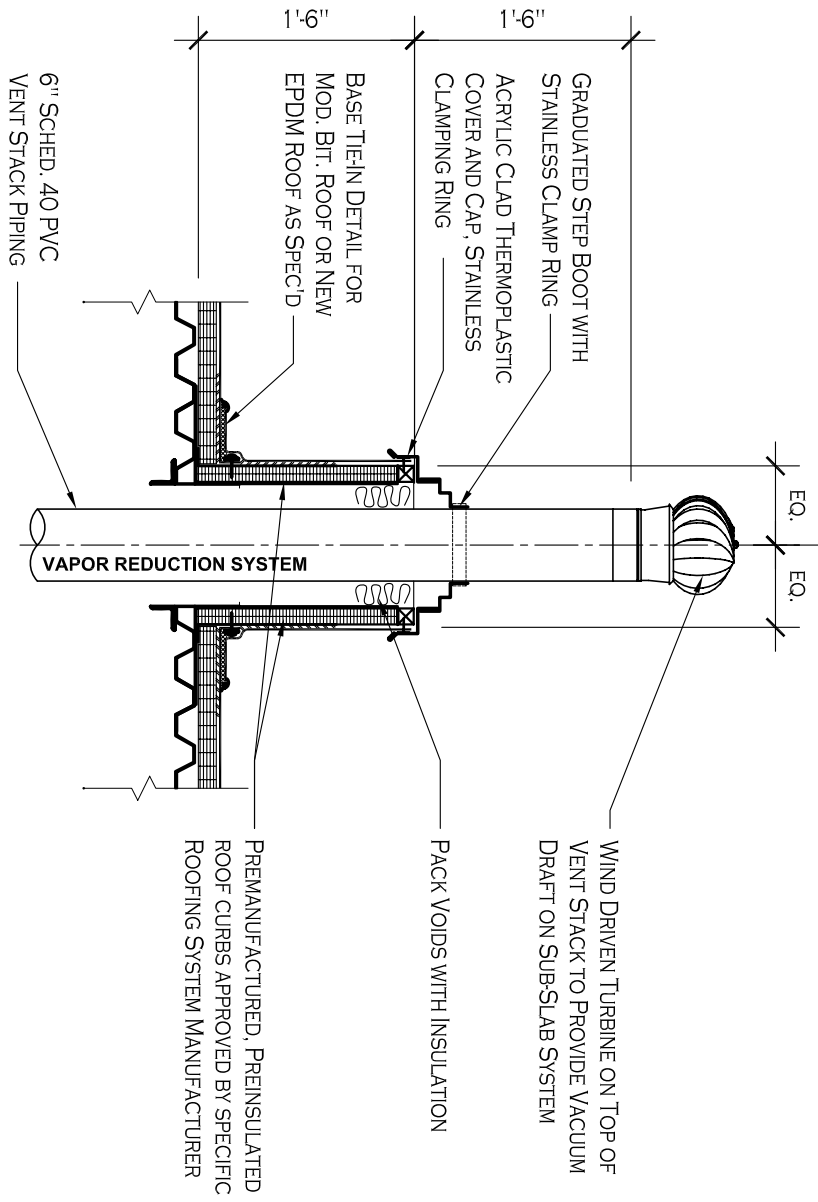
IRM-102 3/4"=1'-0"



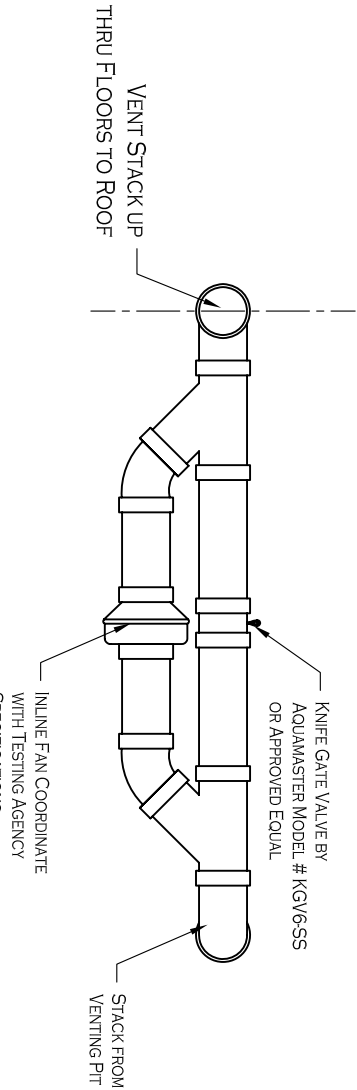
6 SECTION A-A'

IRM-102

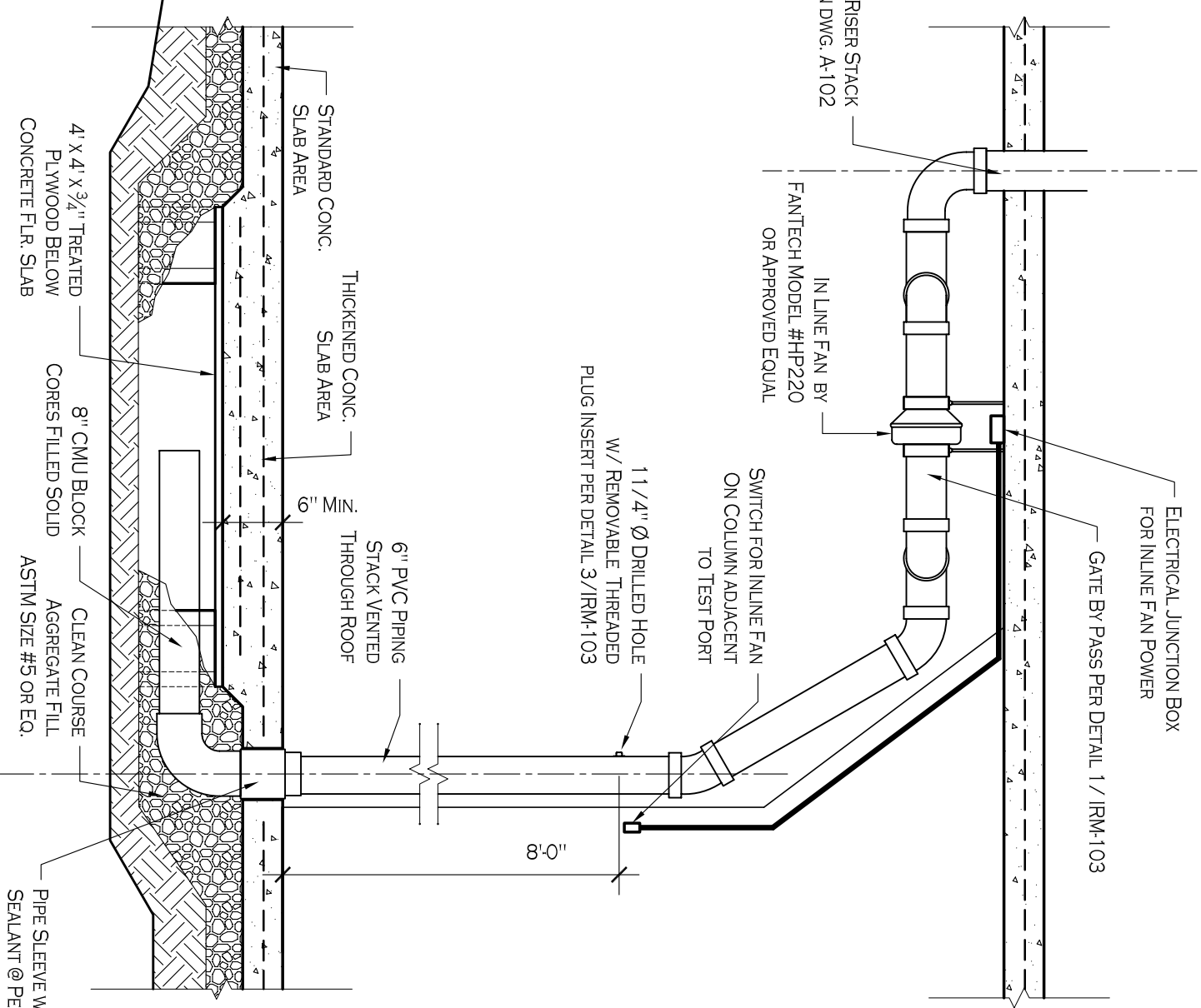
1"=20'-0"



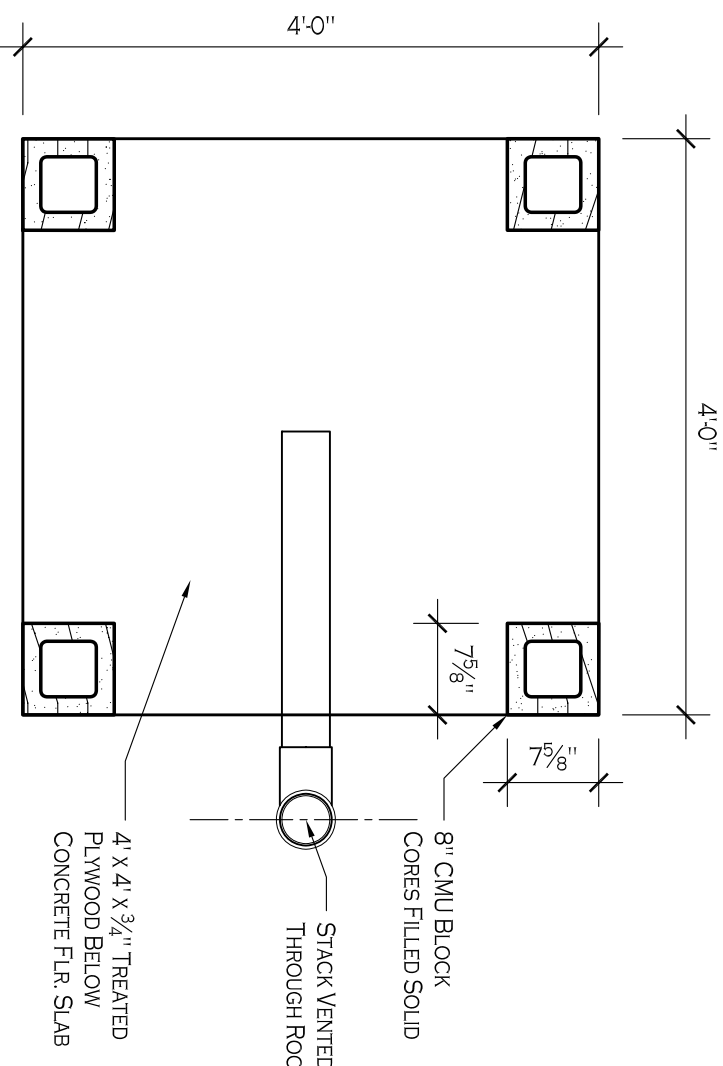
1 VENT STACK ROOF PENETRATION
3/4"=1'-0"



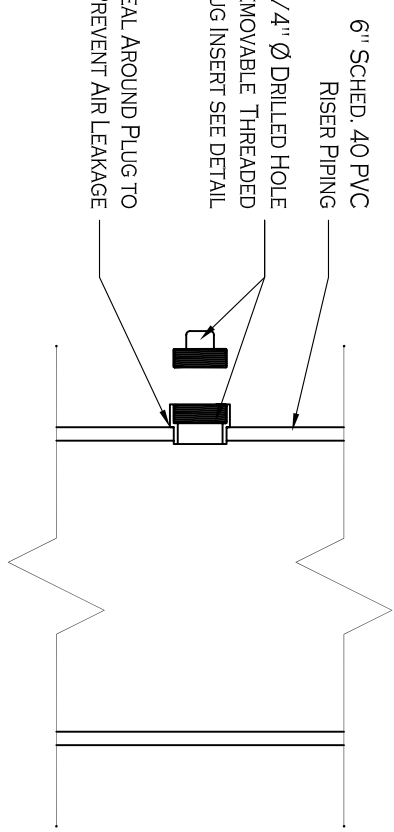
2 INLINE FAN BYPASS PLAN
1"=1'-0"



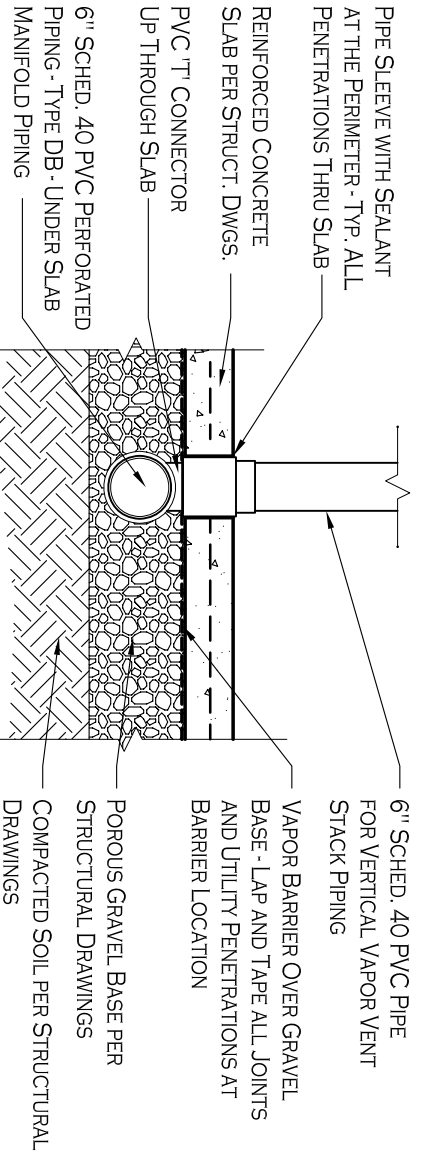
3 VAPOR VENTING PIT / RISER SECTION
3/4"=1'-0"



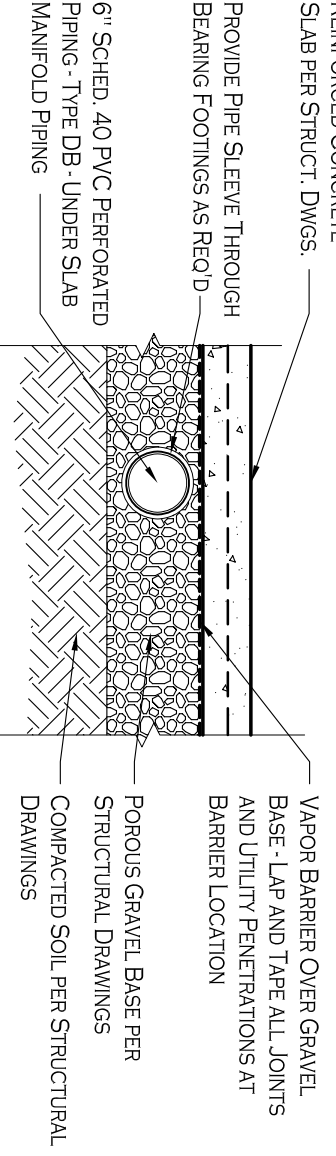
4 VAPOR VENTING PIT PLAN
3/4"=1'-0"



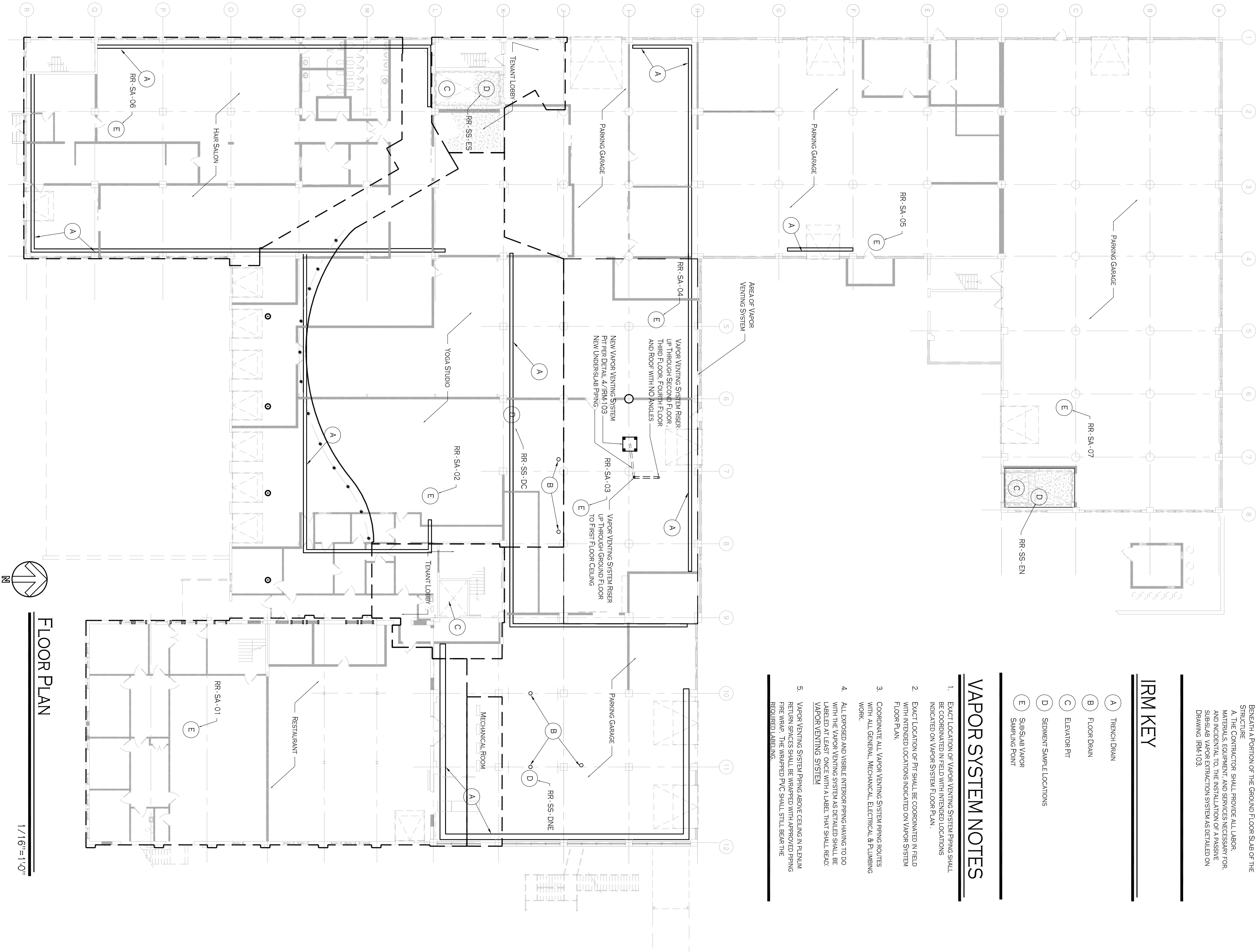
5 TEST PORTAL DETAIL
3"=1'-0"



6 TYP. PIPE/CONDUIT PENETRATION
3/4"=1'-0"



7 TYP. UNDERSLAB MANIFOLD PIPING
3/4"=1'-0"



FLOOR PLAN
1/16"=1'-0"

IRM GENERAL NOTES

- IRM REMOVE EXISTING AND CLEAN BUILDING FLOOR DRAINS AND ELEVATOR SHAFT FTS.
A. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY FOR THE REMOVAL OF EXISTING DRAINS AND ELEVATOR SHAFT FTS AND THE CLEANING OF INTERIOR BUILDING FLOOR DRAINS / FRESHEN AND ELEVATOR SHAFT FTS AS SET FORTH IN THE SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND PROPERLY DISPOSING OF POTENTIALLY CONTAMINATED SEDIMENTS AND/OR SOILS AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE A ACCORDANCE WITH INTERIOR RECONSTRUCTION. THIS INCLUDES FLOODING INLET OR OUTLET PIPES WITH CEMENT GROUT.
- IRM INSTALL A SUB-SLAB VAPOR EXTRACTION SYSTEM. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY FOR THE INSTALLATION OF THE SUB-SLAB VAPOR EXTRACTION SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF EXISTING DRAINS AND ELEVATOR SHAFT FTS AND THE CLEANING OF INTERIOR BUILDING FLOOR DRAINS / FRESHEN AND ELEVATOR SHAFT FTS AS SET FORTH IN THE SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND PROPERLY DISPOSING OF POTENTIALLY CONTAMINATED SEDIMENTS AND/OR SOILS AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE A ACCORDANCE WITH INTERIOR RECONSTRUCTION. THIS INCLUDES FLOODING INLET OR OUTLET PIPES WITH CEMENT GROUT.

IRM KEY

- A TRENCH DRAIN
- B FLOOR DRAIN
- C ELEVATOR PIT
- D SEDIMENT TRAP/LOCATIONS
- E SUB-SLAB VAPOR EXTRACTION SYSTEM

VAPOR SYSTEM NOTES

- EXACT LOCATION OF VAPOR VENTING SYSTEM PIPING SHALL BE COORDINATED IN FIELD WITH INTENDED LOCATIONS INDICATED ON VAPOR SYSTEM FLOOR PLAN.
- EXACT LOCATION OF FIT SHALL BE COORDINATED IN FIELD WITH INTENDED LOCATIONS INDICATED ON VAPOR SYSTEM FLOOR PLAN.
- COORDINATE ALL VAPOR VENTING SYSTEM PIPING ROUTES WITH ALL GENERAL, MECHANICAL, ELECTRICAL & PLUMBING WORK.
- ALL EXPOSED AND UNPAID INTERIOR FINISHES SHALL BE LABELED AT LEAST ONCE WITH A LABEL THAT SHALL READ: VAPOR VENTING SYSTEM.
- VAPOR VENTING SYSTEM PIPING ABOVE CEILING IN FLETHAN RETURN SPACES SHALL BE LABELED WITH APPROVED PIPING IDENTIFICATION LABELING.

REVISIONS:

No.	Description	Date
1	Addendum #1	02.01.2010