

**PRE-RENOVATION  
INVESTIGATIVE SURVEY FOR  
HAZARDOUS BUILDING MATERIALS  
DOT GENERATOR INSTALLATION/  
REPLACEMENT PROJECTS  
EAST HAVEN, EAST LYME, EAST WINDSOR,  
HADDAM, HARTFORD, MANSFIELD & ROCKY  
HILL, CONNECTICUT  
Project No. 170-3476**

*Prepared for*  
State of Connecticut  
Department of Transportation  
Newington, Connecticut

*Prepared by*  
TRC  
Windsor, Connecticut

---

Stephen R. Arienti, CHMM  
Senior Project Manager – Program Manager

---

Erik R. Plimpton, P.E., CHMM, CMC  
Vice President – Engineer in Charge

TRC Project No. 289951.5745.0710  
Issued-January 2019

**TRC**  
21 Griffin Road North  
Windsor, Connecticut 06095  
Telephone (860) 298-9692  
Facsimile (860) 298-6380

**SURVEY REPORT**

**PRE-RENOVATION  
INVESTIGATIVE SURVEY FOR  
HAZARDOUS BUILDING MATERIALS**

**GENERATOR INSTALLATION/  
REPLACEMENTS**  
**EAST HAVEN, EAST LYME, EAST WINDSOR,  
HADDAM, HARTFORD, MANSFIELD &  
ROCKY HILL, CONNECTICUT**  
Project No. 170-3476

*Prepared for*

**State of Connecticut**  
**Department of Transportation**  
Newington, Connecticut

*Prepared by*

**TRC**  
Windsor, Connecticut

Issued  
January 2019

## **TABLE OF CONTENTS**

### **PROJECT OUTLINE**

### **TABLES**

- 1 BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
- 2 IDENTIFIED ASBESTOS CONTAINING MATERIALS
- 3 CONFIRMED NON-ASBESTOS CONTAINING MATERIALS
- 4 SUMMARY OF LEAD PAINT XRF MEASUREMENTS
- 5 SUMMARY OF COMPOSITE BUILDING MATERIAL WASTE CHARACTERIZATION
- 6 INVENTORY OF ADDITIONAL HAZARDOUS/REGULATED MATERIALS,  
WASTES AND ITEMS IDENTIFIED
- 7 PRESUMED PCB CONTAINING CAULKS

### **APPENDICES**

- A SITE PHOTOS WITH DOT ASSIGNMENT AND MAP
- B SITE SKETCHES
- C TRC INSPECTORS LICENSES/CERTIFICATIONS
- D LABORATORY ACCREDITATIONS
- E ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORMS
- F PLM LABORATORY ANALYSIS DATA
- G TEM LABORATORY ANALYSIS DATA
- H LEAD PAINT XRF MEASUREMENT TABLE
- I COMPOSITE BUILDING MATERIAL WASTE CHARACTERIZATION DATA
- J RELATED CORRESPONDENCE

## PROJECT OUTLINE

DOT Project No.: 170-3476  
Assignment No.: 519-5745  
DOT Project Manager: Denise Young

Site Address: Generator Installation/Replacement Project  
East Haven, East Lyme, East Windsor, Haddam, Hartford,  
Mansfield & Rocky Hill, CT

TRC Project No.: 289951.5745.0710  
Asbestos Inspector: Hilton Hernandez (LIC #000424)  
Lead Inspector: Hilton Hernandez (LIC #002231)  
Date(s) of Inspection: 12/6/18-12/7/18, 12/10/18

Asbestos Identified: None  
Lead Paint Identified: Yes  
Gen. Bldg. Mat. Haz Waste: No, per EPA/CTDEEP memo dated January 26, 2004  
(TCLP testing will need to be conducted on a representative  
sample of the East Lyme Facility once active waste stream  
generated)

Add'l Haz./Reg. Mat./Waste/Items: Yes (See Table 6)

PCB Containing Caulk Identified: Yes (presumed EPA Regulated)

### Additional Notes:

The scope of work for the project involves the installation and/or replacement of generators at facilities in East Haven, East Lyme, East Windsor, Haddam, Hartford, Mansfield and Rocky Hill. Additional generator-related activities will be performed as needed at each site, including the installation/replacement of any generator-related components, grading, wiring/electrical connections, tree removal as needed and removal of any existing diesel generators.

## **TABLES**

<b>TABLE 1</b> <b>ASBESTOS ANALYSIS SUMMARY OF SAMPLES FROM CONTAINING MATERIALS</b> <b>FOR GENERATOR INSULATION/REPLACEMENT</b> <b>EAST HAVEN/EAST LYME/EAST WINDSOR/HADDAM/HARTFORD,</b> <b>MANSFIELD/ROCKY HILL, CONNECTICUT</b>			
Sample No.	Sample Location	Type of Homogeneous Material	% and Type Asbestos
<b>East Haven Repair Facility</b> <b>2100 N. High Street, East Haven, Connecticut</b>			
1	Generator Room louvre	C1 – clear rubbery caulk	ND <sup>1</sup>
2	Generator Room louvre	C1 – clear rubbery caulk	ND
<b>East Lyme Property &amp; Facilities Region 2 Facility</b> <b>Rt. 156, East Lyme, Connecticut</b>			
1	General Office	SHR1 – white sheetrock	ND
		Yellow joint compound	ND
2	General Office	SHR1 – white sheetrock	ND
		Yellow joint compound	ND
3	General Office	WPG1 – grey wall panel glue	ND <sup>1</sup>
4	General Office	WPG1 – grey wall panel glue	ND
<b>East Windsor Maintenance Facility</b> <b>Prospect Hill Road, East Windsor, Connecticut</b>			
1	Generator Room – exterior A-side	PS1 – grey sticky penetration sealant	ND <sup>1</sup>
2	Generator Room – exterior A-side	PS1 – grey sticky penetration sealant	ND
3	Clerk's Office	SHR1 – grey sheetrock	ND
		White joint compound	ND
4	Clerk's Office	SHR1 – grey sheetrock	ND
		White joint compound	ND
<b>Haddam Maintenance Facility</b> <b>Haddam, Connecticut</b>			
1	Generator Room exterior louvre	C1 – tan rubbery caulk	ND <sup>1</sup>
2	Generator Room exterior louvre	C1 – tan rubbery caulk	ND
3	Clerk's Office	SHR1 – grey sheetrock	ND
		White joint compound	ND
4	Clerk's Office	SHR1 – grey sheetrock	ND
		White joint compound	ND

NA/PVA Not analyzed/positive via inseparable association with a confirmed positive ACM

NA/PS Not analyzed/positive stop, homogeneous to sample proven to contain asbestos

ND<1% Non-detected, less than 1%

NAD No asbestos detected

+ Although found to be negative by analysis, material is homogeneous to a determined ACM and therefore must be considered positive

<sup>1</sup> NOB Result confirmed by TEM analyses

<sup>\*</sup> Quantified by EPA 400 Point Count Method

<b>TABLE 1</b> <b>EDD SAMPLES SUMMARY OF ASBESTOS CONTAINING MATERIALS</b> <b>FROM GENERATOR INSTALLATION/REPLACEMENT</b> <b>MANSFIELD, AS DRYME, EAST WINDSOR, HADDAM, HARTFORD,</b> <b>MANSFIELD, ROCKY HILL, CONNECTICUT</b>			
Sample No.	Sample Location	Type of Homogeneous Material	% and Type Asbestos
<b>Hartford Bridge &amp; Electrical Maintenance Facility</b> <b>49 Jennings Road, Hartford, Connecticut</b>			
1	Generator Control Room	PS1 – red rubbery penetration sealant	ND <sup>1</sup>
2	Generator Control Room	PS1 – red rubbery penetration sealant	ND
3	Bridge Clerk's Office	SHR1 – grey sheetrock	ND
		Off-white joint compound	ND
4	Bridge Clerk's Office	SHR1 – grey sheetrock	ND
		Off-white joint compound	ND
5	A-side exterior wall	SS1 – tan brittle metal wall siding seam sealant	ND <sup>1</sup>
6	A-side exterior wall	SS1 – tan brittle metal wall siding seam sealant	ND
<b>Mansfield Maintenance Facility</b> <b>100 N. Frontage Road, Mansfield, Connecticut</b>			
1	A-side office exterior	SW1 – grey stucco wall	ND
2	A-side office exterior	SW1 – grey stucco wall	ND
<b>Rocky Hill Central Warehouse Facility</b> <b>660 Broad Street, Rocky Hill, Connecticut</b>			
1	Electrical Room	SHR1 – grey sheetrock	ND
		White joint compound	ND
2	Electrical Room	SHR1 – grey sheetrock	ND
		White joint compound	ND

NA/PVA Not analyzed/positive via inseparable association with a confirmed positive ACM

NA/PS Not analyzed/positive stop, homogeneous to sample proven to contain asbestos

ND<1% Non-detected, less than 1%

NAD No asbestos detected

+ Although found to be negative by analysis, material is homogeneous to a determined ACM and therefore must be considered positive

1 NOB Result confirmed by TEM analyses

\* Quantified by EPA 400 Point Count Method

**TABLE 2  
IDENTIFIED ASBESTOS CONTAINING MATERIALS (S/L)  
FOR GENERAL INSULATION/REPLACEMENT  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD,  
MANSFIELD, ROCKY HILL, CONNECTICUT**

Material	Sampled/ Assumed (mo/yr)	General Location	NESHAP Category	AHERA Category	Estimated Quantity
<b>East Haven Repair Facility 2100 N. High Street, East Haven, Connecticut</b>					
<b>NO ASBESTOS CONTAINING MATERIALS SCHEDULED FOR IMPACT</b>					
<b>East Lyme Property &amp; Facilities Region 2 Facility Rt. 156, East Lyme, Connecticut</b>					
<b>NO ASBESTOS CONTAINING MATERIALS SCHEDULED FOR IMPACT</b>					
<b>East Windsor Maintenance Facility Prospect Hill Road, East Windsor, Connecticut</b>					
<b>NO ASBESTOS CONTAINING MATERIALS SCHEDULED FOR IMPACT</b>					
<b>Haddam Maintenance Facility Haddam, Connecticut</b>					
<b>NO ASBESTOS CONTAINING MATERIALS SCHEDULED FOR IMPACT</b>					
<b>Hartford Bridge &amp; Electrical Maintenance Facility 49 Jennings Road, Hartford, Connecticut</b>					
<b>NO ASBESTOS CONTAINING MATERIALS SCHEDULED FOR IMPACT</b>					
<b>Mansfield Maintenance Facility 100 N. Frontage Road, Mansfield, Connecticut</b>					
<b>NO ASBESTOS CONTAINING MATERIALS SCHEDULED FOR IMPACT</b>					
<b>Rocky Hill Central Warehouse Facility 660 Broad Street, Rocky Hill, Connecticut</b>					
<b>NO ASBESTOS CONTAINING MATERIALS SCHEDULED FOR IMPACT</b>					

AHERA Categories = thermal system insulation (TSI), surfacing material or miscellaneous  
 NESHAP Categories = friable, category I non-friable or category II non-friable  
 Friable = crumbled, pulverized or reduced to powder by hand pressure when dry  
 Category I Non-friable = packings, gaskets, resilient floor covering and asphalt roofing  
 Category II Non-friable = all non-friable that is not Category I



**TABLE 3**  
**CONTAMINATED ASBESTOS CONTAINING MATERIALS (C1-3)**  
**FOR GENERATOR INSTALLATION/REPLACEMENT**  
**EAST HAVEN, EAST WINDSOR, HADDAM, HARTFORD,**  
**MANSFIELD, ROCKY HILL, CONNECTICUT**

Material	General Location
<b>East Haven Repair Facility</b> 2100 N. High Street, East Haven, Connecticut	
C1 – clear rubbery caulk	Generator Room louvre
<b>East Lyme Property &amp; Facilities Region 2 Facility</b> Rt. 156, East Lyme, Connecticut	
SHR1 – white sheetrock/yellow joint compound	General Office
WPG1 – grey wall panel glue	General Office
<b>East Windsor Maintenance Facility</b> Prospect Hill Road, East Windsor, Connecticut	
PS1 – grey sticky penetration sealant	Generator Room – exterior A-side
SHR1 – grey sheetrock/white joint compound	Clerk's Office
<b>Haddam Maintenance Facility</b> Haddam, Connecticut	
C1 – tan rubbery caulk	Generator Room exterior louvre
SHR1 – grey sheetrock/white joint compound	Clerk's Office
<b>Hartford Bridge &amp; Electrical Maintenance Facility</b> 49 Jennings Road, Hartford, Connecticut	
PS1 – red rubbery penetration sealant	Generator Control Room
SHR1 – grey sheetrock/off-white joint compound	Bridge Clerk's Office
SS1 – tan brittle metal wall siding seam sealant	A-side exterior wall
<b>Mansfield Maintenance Facility</b> 100 N. Frontage Road, Mansfield, Connecticut	
SW1 – grey stucco wall	A-side office exterior
<b>Rocky Hill Central Warehouse Facility</b> 660 Broad Street, Rocky Hill, Connecticut	
SHR1 – grey sheetrock/white joint compound	Electrical Room

\* However, associated layers are positive.

**TABLE A  
SUMMARY OF LEAD PAINT XRF MEASUREMENTS  
FOR GENERATOR INSTALLATION/REPLACEMENT  
EAST HAVEN/EAST LYME/EAST WINDSOR/HADDAM/HARTFORD/  
MANSFIELD/ROCKY HILL, CONNECTICUT**

<b>Structure</b>	<b>No. of Measurements</b>	<b>Calibrations</b>	<b>Void</b>	<b>Lead Detected</b>	<b>No Lead Detected</b>
East Haven Repair Facility	20	7	0	3	10
East Lyme Property & Facilities Region 2 Facility	22	7	0	5	10
East Windsor Maintenance Facility	13	5	0	1	7
Haddam Maintenance Facility	16	8	0	0	8
Hartford Bridge & Electrical Maintenance Facility	31	8	0	1	22
Mansfield Maintenance Facility	10	1	0	0	9
Rocky Hill Central Warehouse Facility	12	7	0	0	5

See Lead Paint XRF Measurement Table in Appendix H.

<b>TABLE 5</b> <b>SUMMARY OF COMPOSITE BUILDING MATERIAL WASTE CHARACTERIZATION</b> <b>DOT GENERATOR INSTALLATION/RETAGEMENT</b> <b>EAST HAVEN/EAST LYME/EAST WINDSOR/HADDAM/HARTFORD</b> <b>MANSFIELD/ROCKY HILL, CONNECTICUT</b>			
Waste Stream	Metal	mg/L Leachate	Hazardous/Non-Hazardous
East Haven Repair Facility Bldg. Material Composite (Excluding metal substrates)			<u>No</u> TCLP sample for Lead warranted as XRF readings on non-metallic components were all below 1.0 mg/cm <sup>2</sup> and therefore the debris is presumed as <u>non-hazardous</u> per CTDEEP/USEPA clarification memo of January 26, 2004.
East Lyme Property & Facilities Region 2 Facility Bldg. Material Composite (Excluding metal substrates)			Waste characterization sampling (TCLP) for leachable lead has <u>not been</u> performed on the non-metallic waste building material debris expected to be generated during the renovation/demolition. TCLP testing will need to be conducted on a representative sample of the stored waste materials to determine if the materials shall be disposed of as hazardous or non-hazardous construction waste.
East Windsor Maintenance Facility Bldg. Material Composite (Excluding metal substrates)			<u>No</u> TCLP sample for Lead warranted as XRF readings on non-metallic components were all below 1.0 mg/cm <sup>2</sup> and therefore the debris is presumed as <u>non-hazardous</u> per CTDEEP/USEPA clarification memo of January 26, 2004.
Haddam Maintenance Facility Bldg. Material Composite (Excluding metal substrates)			<u>No</u> TCLP sample for Lead warranted as XRF readings on non-metallic components were all below 1.0 mg/cm <sup>2</sup> and therefore the debris is presumed as <u>non-hazardous</u> per CTDEEP/USEPA clarification memo of January 26, 2004.
Hartford Bridge & Electrical Maintenance Facility Bldg. Material Composite (Excluding metal substrates)			<u>No</u> TCLP sample for Lead warranted as XRF readings on non-metallic components were all below 1.0 mg/cm <sup>2</sup> and therefore the debris is presumed as <u>non-hazardous</u> per CTDEEP/USEPA clarification memo of January 26, 2004.
Mansfield Maintenance Facility Bldg. Material Composite (Excluding metal substrates)			<u>No</u> TCLP sample for Lead warranted as XRF readings on non-metallic components were all below 1.0 mg/cm <sup>2</sup> and therefore the debris is presumed as <u>non-hazardous</u> per CTDEEP/USEPA clarification memo of January 26, 2004.
Rocky Hill Central Warehouse Facility Bldg. Material Composite (Excluding metal substrates)			<u>No</u> TCLP sample for Lead warranted as XRF readings on non-metallic components were all below 1.0 mg/cm <sup>2</sup> and therefore the debris is presumed as <u>non-hazardous</u> per CTDEEP/USEPA clarification memo of January 26, 2004.

**Note:** Any metal components should be recycled to promote waste minimization efforts, rather than disposed of, and the recycling operation is exempt from the USEPA RCRA and CTDEEP Hazardous Waste regulations.

See Appendix I for CTDEEP/USEPA clarification memo of January 26, 2004.

BDL - Below Detection Limit

ND - Not Detected

**TABLE 6  
INVENTORY OF ADDITIONAL HAZARDOUS/REGULATED  
MATERIALS, WASTES AND ITEMS IDENTIFIED  
DOT GENERATOR INSTALLATION/REPLACEMENT  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD,  
MANSFIELD, ROCKY HILL, CONNECTICUT**

Quantity	Size	Material / Item	General Location	Potential Hazard
<b>East Haven Repair Facility 2100 N. High Street, East Haven, Connecticut</b>				
<b>NO HAZARDOUS/REGULATED MATERIALS, WASTES OR ITEMS SCHEDULED FOR IMPACT</b>				
<b>East Lyme Property &amp; Facilities Region 2 Facility Rt. 156, East Lyme, Connecticut</b>				
<b>NO HAZARDOUS/REGULATED MATERIALS, WASTES OR ITEMS SCHEDULED FOR IMPACT</b>				
<b>East Windsor Maintenance Facility Prospect Hill Road, East Windsor, Connecticut</b>				
<b>NO HAZARDOUS/REGULATED MATERIALS, WASTES OR ITEMS SCHEDULED FOR IMPACT</b>				
<b>Haddam Maintenance Facility Haddam, Connecticut</b>				
<b>NO HAZARDOUS/REGULATED MATERIALS, WASTES OR ITEMS SCHEDULED FOR IMPACT</b>				
<b>Hartford Bridge &amp; Electrical Maintenance Facility 49 Jennings Road, Hartford, Connecticut</b>				
2	-	PCB Lamp Ballast (CR01)	Generator/Generator Control Room	Connecticut Regulated Waste (CRW CR01-CR05)
4	-	Compact Fluorescent (Lamps)	Generator/Generator Control Room	Universal Waste (UW)
12	-	Control Panels (Circuit Boards)	Generator/Generator Control Room	Universal Waste (UW)

- CRW- Connecticut Regulated Waste – PCBs (CR01), Oils (CR02/CR03), waste chemical liquids - antifreeze, latex & solvent paints, sludges, etc. (CR04), waste chemical solids (CR05)
- UW- Universal Waste (batteries, thermostat ampoules, fluorescent lamps, used electronics)
- IH- Inhalation hazard (silicas, etc.)
- I- Ignitable - may contain ingredients which are ignitable (materials which have a flashpoint <140°F) (D001)
- C- Corrosive - may contain ingredients which are alkaline or acidic (materials with a PH<2 or >12.5) (D002)
- T- Toxic - may contain ingredients which are harmful if swallowed or which release vapors that can cause irritation
- R- Reactive – may contain ingredients which are unstable, react violently with water or are explosive (D003)

**TABLE 6 (...continued)  
 INVENTORY OF ADDITIONAL HAZARDOUS/REGULATED  
 MATERIALS, WASTES AND ITEMS IDENTIFIED  
 DOT GENERATOR INSTALLATION/REPLACEMENT  
 EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD,  
 MANSFIELD, ROCKY HILL, CONNECTICUT**

Quantity	Size	Material / Item	General Location	Potential Hazard
1	-	Emergency Lighting (Batteries/Hg Lamps)	Generator/Generator Control Room	Universal Waste (UW)
1	-	Motion Sensors/Heat Sensors (Circuit boards)	Generator/Generator Control Room	Universal Waste (UW)
-	-	Miscellaneous Oil (CR02/03)	Generator	Connecticut Regulated Waste (CRW CR01-CR05)
2	-	Control Panels (Circuit Boards)	Generator	Universal Waste (UW)
1	-	Control Panels (Circuit Boards)	Bridge Clerks Office	Universal Waste (UW)
<b>Mansfield Maintenance Facility                  100 N. Frontage Road, Mansfield, Connecticut</b>				
1		Control Panels (Circuit Boards)	Electrical/Generator Control Room	Universal Waste (UW)
2		Control Panels (Circuit Boards)	Jet Hanger Shed	Universal Waste (UW)
<b>Rocky Hill Central Warehouse Facility                  660 Broad Street, Rocky Hill, Connecticut</b>				
<b>NO HAZARDOUS/REGULATED MATERIALS, WASTES OR ITEMS                  SCHEDULED FOR IMPACT</b>				

- CRW- Connecticut Regulated Waste – PCBs (CR01), Oils (CR02/CR03), waste chemical liquids - antifreeze, latex & solvent paints, sludges, etc. (CR04), waste chemical solids (CR05)
- UW- Universal Waste (batteries, thermostat ampoules, fluorescent lamps, used electronics)
- IH- Inhalation hazard (silicas, etc.)
- I- Ignitable - may contain ingredients which are ignitable (materials which have a flashpoint <140°F) (D001)
- C- Corrosive - may contain ingredients which are alkaline or acidic (materials with a PH<2 or >12.5) (D002)
- T- Toxic - may contain ingredients which are harmful if swallowed or which release vapors that can cause irritation
- R- Reactive – may contain ingredients which are unstable, react violently with water or are explosive (D003)

<b>TABLE 7</b> <b>PRESUMED PCB CONTAINING CAULKS</b> <b>FOR GENERATOR INSTALLATION/REPLACEMENT</b> <b>EAST HAVEN/EAST LYME/EAST WINDSOR/HADDAM/HARTFORD</b> <b>MANSFIELD/ROCKY HILL, CONNECTICUT</b>			
Material	Sample Date (mo/yr)	General Location	Estimated Quantity
<b>East Haven Repair Facility</b> <b>2100 N. High Street, East Haven, Connecticut</b>			
<b>CTDEEP REGULATED PCB CONTAINING MATERIALS (&gt; 1 ppm, &lt; 50 ppm)</b>			
NO CTDEEP REGULATED PCB CONTAINING MATERIALS SUBJECT TO IMPACT			
<b>EPA REGULATED PCB BULK PRODUCT WASTE (≥50 ppm)</b>			
CI – clear rubbery caulk	Presumed 12/18	Generator Room louvre	2 EA
<b>East Lyme Property &amp; Facilities Region 2 Facility</b> <b>Rt. 156, East Lyme, Connecticut</b>			
<b>CTDEEP REGULATED PCB CONTAINING MATERIALS (&gt; 1 ppm, &lt; 50 ppm)</b>			
NO CTDEEP REGULATED PCB CONTAINING MATERIALS SUBJECT TO IMPACT			
<b>EPA REGULATED PCB BULK PRODUCT WASTE (≥50 ppm)</b>			
NO EPA REGULATED PCB CONTAINING MATERIALS SUBJECT TO IMPACT			
<b>East Windsor Maintenance Facility</b> <b>Prospect Hill Road, East Windsor, Connecticut</b>			
<b>CTDEEP REGULATED PCB CONTAINING MATERIALS (&gt; 1 ppm, &lt; 50 ppm)</b>			
NO CTDEEP REGULATED PCB CONTAINING MATERIALS SUBJECT TO IMPACT			
<b>EPA REGULATED PCB BULK PRODUCT WASTE (≥50 ppm)</b>			
NO EPA REGULATED PCB CONTAINING MATERIALS SUBJECT TO IMPACT			

ND< = Non Detect

PCB ≥ 50 ppm = EPA PCB Bulk Product Waste

PCB > 1 ppm but < 50 ppm = CTDEEP regulated

\*Asbestos containing material (>1%)

**TABLE 7 (continued)  
 PRESUMED PCB CONTAINING SUB MATERIALS  
 DO/GENERATOR INSTALLATION/REPLACEMENT  
 EAST AVENUE/ASBESTOS/LEASING/INSOR/HADDAM/HARTFORD/  
 MANSFIELD/ROCKYHILL, CONNECTICUT**

Material	Sample Date (mo/yr)	General Location	Estimated Quantity
<b>Haddam Maintenance Facility Haddam, Connecticut</b>			
<b>CTDEEP REGULATED PCB CONTAINING MATERIALS (&gt; 1 ppm, &lt; 50 ppm)</b>			
NO CTDEEP REGULATED PCB CONTAINING MATERIALS SUBJECT TO IMPACT			
<b>EPA REGULATED PCB BULK PRODUCT WASTE (≥50 ppm)</b>			
C1 – tan rubbery caulk	Presumed 12/18	Generator Room exterior louvre	2 EA
<b>Hartford Bridge &amp; Electrical Maintenance Facility 49 Jennings Road, Hartford, Connecticut</b>			
<b>CTDEEP REGULATED PCB CONTAINING MATERIALS (&gt; 1 ppm, &lt; 50 ppm)</b>			
NO CTDEEP REGULATED PCB CONTAINING MATERIALS SUBJECT TO IMPACT			
<b>EPA REGULATED PCB BULK PRODUCT WASTE (≥50 ppm)</b>			
NO EPA REGULATED PCB CONTAINING MATERIALS SUBJECT TO IMPACT			
<b>Mansfield Maintenance Facility 100 N. Frontage Road, Mansfield, Connecticut</b>			
<b>CTDEEP REGULATED PCB CONTAINING MATERIALS (&gt; 1 ppm, &lt; 50 ppm)</b>			
NO CTDEEP REGULATED PCB CONTAINING MATERIALS SUBJECT TO IMPACT			
<b>EPA REGULATED PCB BULK PRODUCT WASTE (≥50 ppm)</b>			
NO EPA REGULATED PCB CONTAINING MATERIALS SUBJECT TO IMPACT			

ND< = Non Detect

PCB ≥ 50 ppm = EPA PCB Bulk Product Waste

PCB >1 ppm but <50 ppm = CTDEEP regulated

\*Asbestos containing material (>1%)

TABLE 7A (continued)  
 PRESUMED PCB CONTAINING BULK MATERIALS  
 DOT GENERAL OR INSTALLATION/REPLACEMENT  
 EASTHAVEN EAST BY ME EAST WINDSOR HADDAM HARTFORD  
 MANSFIELD ROCKY HILL, CONNECTICUT

Material	Sample Date (mo/yr)	General Location	Estimated Quantity
Rocky Hill Central Warehouse Facility 660 Broad Street, Rocky Hill, Connecticut			
<b>CTDEEP REGULATED PCB CONTAINING MATERIALS (&gt; 1 ppm, &lt; 50 ppm)</b>			
NO CTDEEP REGULATED PCB CONTAINING MATERIALS SUBJECT TO IMPACT			
<b>EPA REGULATED PCB BULK PRODUCT WASTE (&gt;50 ppm)</b>			
NO EPA REGULATED PCB CONTAINING MATERIALS SUBJECT TO IMPACT			

ND< = Non Detect

PCB ≥ 50 ppm = EPA PCB Bulk Product Waste

PCB >1 ppm but <50 ppm = CTDEEP regulated

\*Asbestos containing material (>1%)



**APPENDIX A**

**SITE PHOTOS WITH DOT ASSIGNMENT AND MAP**

**SCOPE FOR GENERATOR INSTALLATION AND REPLACEMENT AT FACILITIES  
IN EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD,  
MANSFIELD AND ROCKY HILL**

As of 10/15/18

*SNK serves  
the  
location*

A complete, 100% back-up, standby generator will be installed on the site of the existing Property and Facilities Region 2 facility in East Lyme, and a complete, 100% back-up, standby generator will be installed that replaces the existing generator on the sites of the existing maintenance facilities in East Windsor, Haddam, Hartford and Mansfield, the existing repair facility in East Haven and the existing central warehouse facility in Rocky Hill, as follows:

East Haven Repair Facility 501 No. Main St. (Rt 100).

*No N.G.?*

1. Installation of a diesel generator, generator components, generator pad, outdoor sound attenuated standard generator enclosure and aboveground, double-wall, 48-hour, diesel tank on the site of the facility.
2. Installation of protective bollards around the generator. ✓
3. Addition of fill to level the grade at the generator location. ✓
4. Installation of an automatic transfer switch, surge protective device, disconnect for surge protective device, and generator remote annunciator inside the building. ✓
5. Installation of conduits and circuitry from the generator to the building.
6. Connection of the generator to the existing tank monitoring system.
7. Any necessary rewiring and rearrangement of the electrical system components existing inside the building.
8. Any necessary installation of ground rods.
9. Any necessary separation of existing neutral and grounding conductors in panels impacted by generator work.
10. Any necessary relocation of existing conductors that are double tapped to a separate branch circuit breaker in panels impacted by generator work.
11. Any necessary installation of branch circuit breakers in panels impacted by generator work.
12. Installation of (3) 20 amp branch circuit breakers in an existing panel for power feeds to the generator battery charger, block heater and receptacle.
13. Replacement of the existing 600 amp main disconnect switch and main distribution panel with a new main disconnect switch and main distribution panel inside the building
14. Providing temporary power using a portable generator and/or existing generator and temporary panels.
15. Removal of the existing diesel generator, generator stand-alone aboveground diesel tank and accessories located in the generator room, and removal of the existing automatic transfer switch located in the electrical room. *one*
16. Removal of a tree at the new generator location.

*Above ground?  
same size is existing?*

East Lyme Property and Facilities Region 2 Facility *No existing gen or diesel tank. → ICF input*

1. Installation of a diesel generator, generator components, generator pad, outdoor sound attenuated standard generator enclosure and aboveground, double-wall, 48-hour, diesel tank on the site of the facility.
2. Installation of an automatic transfer switch, surge protective device, disconnect for surge protective device, and generator remote annunciator inside the building.
3. Installation of conduits and circuitry from the generator to the building.
4. Any necessary rewiring and rearrangement of the electrical system components existing inside the building.

5. Any necessary installation of ground rods.
6. Any necessary separation of existing neutral and grounding conductors in panels impacted by generator work.
7. Any necessary relocation of existing conductors that are double tapped to a separate branch circuit breaker in panels impacted by generator work.
8. Any necessary installation of branch circuit breakers in panels impacted by generator work.
9. Installation of (3) 20 amp branch circuit breakers in an existing panel for power feeds to the generator battery charger, block heater and receptacle.
10. Replacement of the existing main distribution panel with a new 200 amp main distribution panel inside the building.
11. Providing temporary power using a portable generator and temporary panels.
12. Removal of the existing manual transfer switch.

East Windsor Maintenance Facility

*Ever source  
saves  
10G.*

1. Installation of a diesel generator, generator components, generator pad, outdoor sound attenuated standard generator enclosure and aboveground, double-wall, 48-hour, diesel tank on the site of the facility.
2. Installation of an automatic transfer switch, surge protective device, disconnect for surge protective device, and generator remote annunciator inside the building.
3. Installation of conduits and circuitry from the generator to the building.
4. Connection of the generator to the existing tank monitoring system.
5. Any necessary rewiring and rearrangement of the electrical system components existing inside the building.
6. Any necessary installation of ground rods.
7. Any necessary separation of existing neutral and grounding conductors in panels impacted by generator work.
8. Any necessary relocation of existing conductors that are double tapped to a separate branch circuit breaker in panels impacted by generator work.
9. Any necessary installation of branch circuit breakers in panels impacted by generator work.
10. Installation of (3) 20 amp branch circuit breakers in an existing panel for power feeds to the generator battery charger, block heater and receptacle.
11. Providing temporary power using a portable generator and/or existing generator and temporary panels.
12. Removal of the existing diesel generator, automatic transfer switch and accessories located in the generator room, and removal of the existing generator stand-alone aboveground diesel tank located in the garage bay area.

Haddam Maintenance Facility

*No NG.*

1. Installation of a diesel generator, generator components, generator pad, outdoor sound attenuated standard generator enclosure and aboveground, double-wall, 48-hour, diesel tank on the site of the facility.
2. Installation of an automatic transfer switch, surge protective device, disconnect for surge protective device, and generator remote annunciator inside the building.
3. Installation of conduits and circuitry from the generator to the building.
4. Connection of the generator to the existing tank monitoring system.
5. Any necessary rewiring and rearrangement of the electrical system components existing inside the building.
6. Any necessary installation of ground rods.

*OK  
JAS*

7. Any necessary separation of existing neutral and grounding conductors in panels impacted by generator work.
8. Any necessary relocation of existing conductors that are double tapped to a separate branch circuit breaker in panels impacted by generator work.
9. Any necessary installation of branch circuit breakers in panels impacted by generator work.
10. Installation of (3) 20 amp branch circuit breakers in an existing panel for power feeds to the generator battery charger, block heater and receptacle.
11. Providing temporary power using a portable generator and/or existing generator and temporary panels.
12. Removal of the existing diesel generator, generator stand-alone aboveground diesel tank, automatic transfer switch and accessories located in the generator room.

Hartford Bridge and Electrical Maintenance Facility *MS*

1. Installation of a natural gas generator, generator components and outdoor sound attenuated standard generator enclosure on the site of the facility.
2. Connection of the existing natural gas feed to the generator.
3. Installation of a generator remote annunciator inside the building.
4. Installation of circuitry in existing conduit from the generator to the building.
5. Connection of the generator to the existing building automation system.
6. Any necessary rewiring and rearrangement of the electrical system components existing inside the building.
7. Any necessary installation of ground rods.
8. Any necessary separation of existing neutral and grounding conductors in panels impacted by generator work.
9. Any necessary relocation of existing conductors that are double tapped to a separate branch circuit breaker in panels impacted by generator work.
10. Any necessary installation of branch circuit breakers in panels impacted by generator work.
11. Installation of (3) 20 amp branch circuit breakers in an existing panel for power feeds to the generator battery charger, block heater and receptacle.
12. Providing temporary power using a portable generator and/or existing generator and temporary panels.
13. Removal of the existing natural gas generator and accessories located outside on the site of the facility.

Mansfield Maintenance Facility *Propane → Diesel ? NO MS*

1. Installation of a diesel generator, generator components, generator pad, outdoor sound attenuated standard generator enclosure and aboveground, double-wall, 48-hour, diesel tank on the site of the facility.
2. Installation of an automatic transfer switch, surge protective device, disconnect for surge protective device, and generator remote annunciator inside the building.
3. Installation of conduits and circuitry from the generator to the building.
4. Connection of the generator to the existing tank monitoring system.
5. Any necessary rewiring and rearrangement of the electrical system components existing inside the building.
6. Any necessary installation of ground rods.
7. Any necessary separation of existing neutral and grounding conductors in panels impacted by generator work.
8. Any necessary relocation of existing conductors that are double tapped to a separate branch circuit breaker in panels impacted by generator work.

9. Any necessary installation of branch circuit breakers in panels impacted by generator work.
10. Installation of (3) 20 amp branch circuit breakers in an existing panel for power feeds to the generator battery charger, block heater and receptacle.
11. Removal of the existing electric service to the jet hanger shed.
12. Refeeding of power to the existing panel at the jet hanger shed from existing cold storage room Panel A located inside the building using existing conduit and conductors.
13. Refeeding of power to existing cold storage room Panel A by replacing the existing power feed from the jet hanger panel with a new power feed from an existing panel inside the building, which includes installing a new circuit breaker in the existing panel and running a new conduit and conductors from the existing panel to Panel A.
14. Providing temporary power using a portable generator and/or existing generator and temporary panels.
15. Removal of the existing propane generator, generator pad, generator stand-alone aboveground propane tank and accessories located outside on the site of the facility, and removal of the existing automatic transfer switch located in the electrical room.

Rocky Hill Central Warehouse Facility

2. PA? [CRW]

1. Installation of a diesel generator, generator components, generator pad, outdoor sound-attenuated standard generator enclosure and aboveground, double-wall, 48-hour, diesel tank on the site of the facility. AST?
2. Installation of an automatic transfer switch, surge protective device, disconnect for surge protective device, and generator remote annunciator inside the building.
3. Installation of conduits and circuitry from the generator to the building.
4. Connection of the generator to the existing tank monitoring system and building automation system.
5. Any necessary rewiring and rearrangement of the electrical system components existing inside the building.
6. Any necessary installation of ground rods.
7. Any necessary separation of existing neutral and grounding conductors in panels impacted by generator work.
8. Any necessary relocation of existing conductors that are double tapped to a separate branch circuit breaker in panels impacted by generator work.
9. Any necessary installation of branch circuit breakers in panels impacted by generator work.
10. Installation of (3) 20 amp branch circuit breakers in an existing panel for power feeds to the generator battery charger, block heater and receptacle.
11. Providing temporary power using a portable generator and/or existing generator and temporary panels.
12. Removal of the existing diesel generator, generator pad, 2,500 gallon underground diesel tank and accessories located outside on the site of the facility, and removal of the existing automatic transfer switch located in the electrical room.
13. Removal of some of the trees/shrubs at the existing generator location.

Notes:

1. Environmental remediation work will be addressed by Environmental Compliance.

East Haven Repair Facility



East Haven Facility

Proposed Annunciator &  
Exist. Tank Monitoring  
System Location (Clerks  
Office)

Proposed  
Generator  
Locations

Existing Generator Room

Proposed Annunciator Location  
(Office Area)

Proposed Generator Location

1



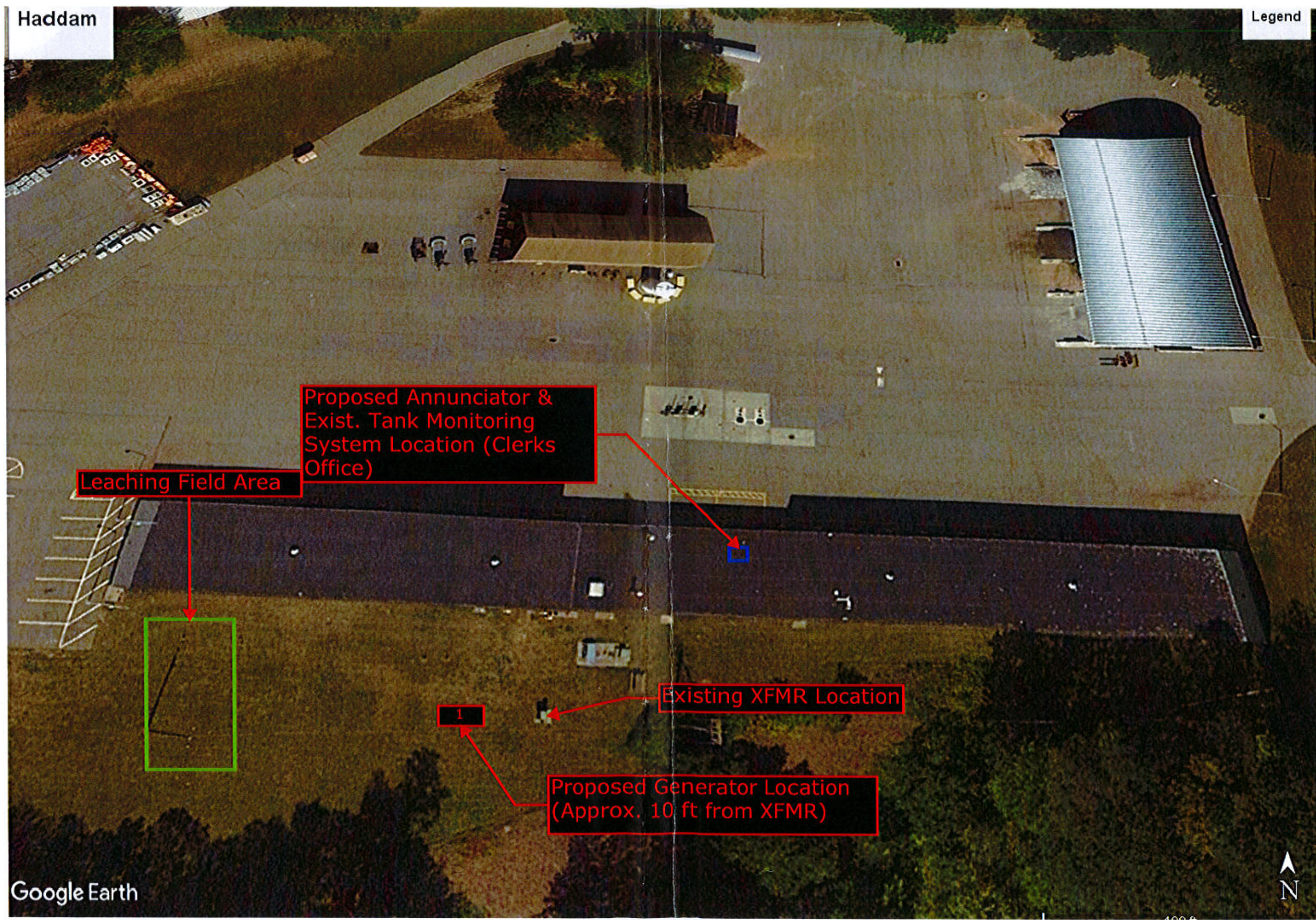
Proposed Annunciator & Exist. Tank Monitoring System Location (Clerks Office)



Proposed Generator Location (Outside Gen./Elec. Room)







Proposed Annunciator & Exist. Tank Monitoring System Location (Clerks Office)

Leaching Field Area



Existing XFMR Location

1

Proposed Generator Location (Approx. 10 ft from XFMR)

Hartford Bridge & Electrical Facility

Legend  
49 Jennings Rd

49 Jennings Rd

Proposed Generator Location  
(Existing Generator Location)

Proposed Annunciator Location  
(Bridge Clerks Office)



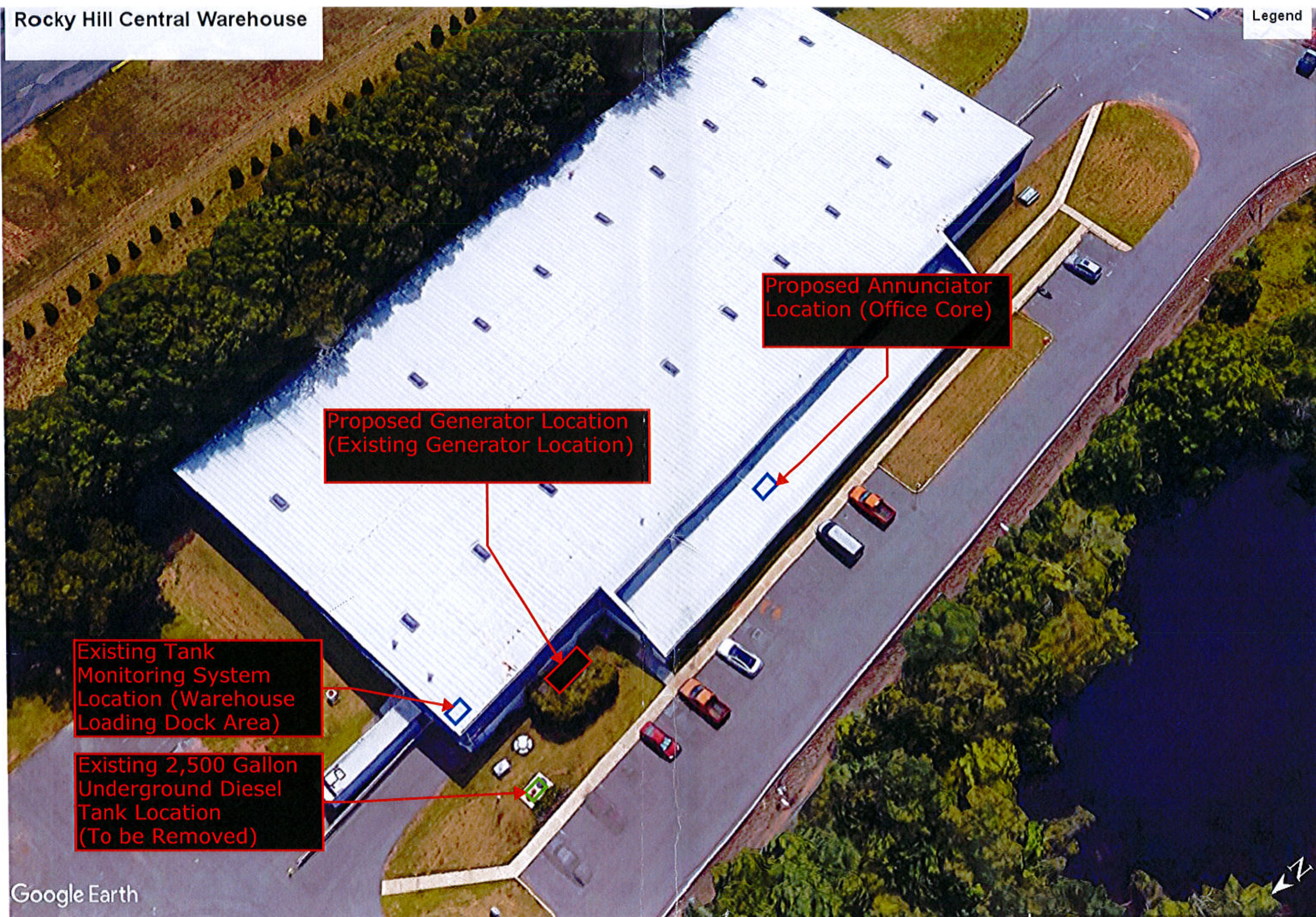
Existing Electric Service and Panel in Jet Hanger Shed (Electric Service to be Removed and Panel to be Powered from Building)

Proposed Annunciator & Exist. Tank Monitoring System Location (General Supervisors Office)

Proposed Generator Location (Existing Generator Location)

Existing Propane Tank (To be Removed)



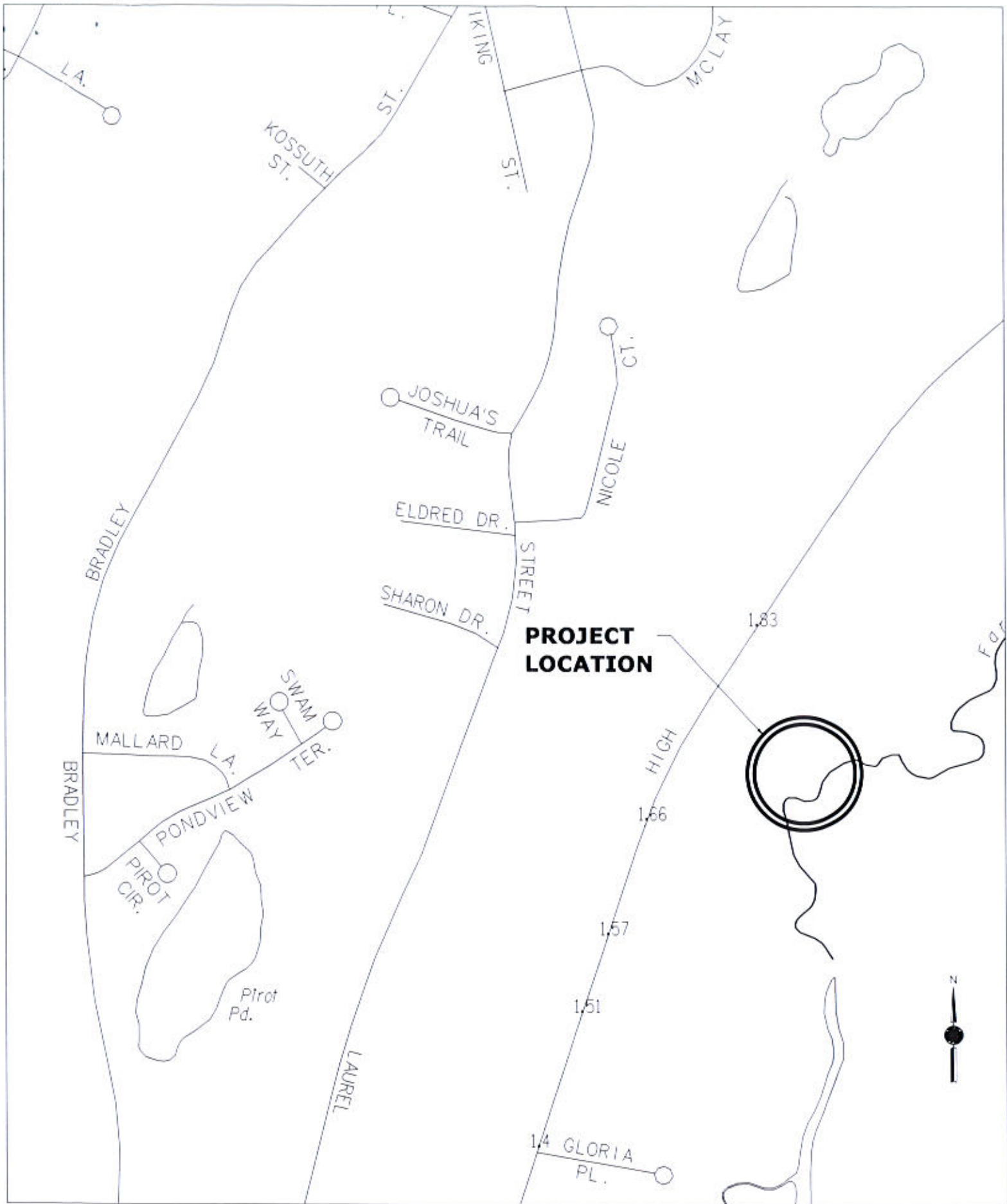


Proposed Generator Location  
(Existing Generator Location)

Proposed Annunciator  
Location (Office Core)

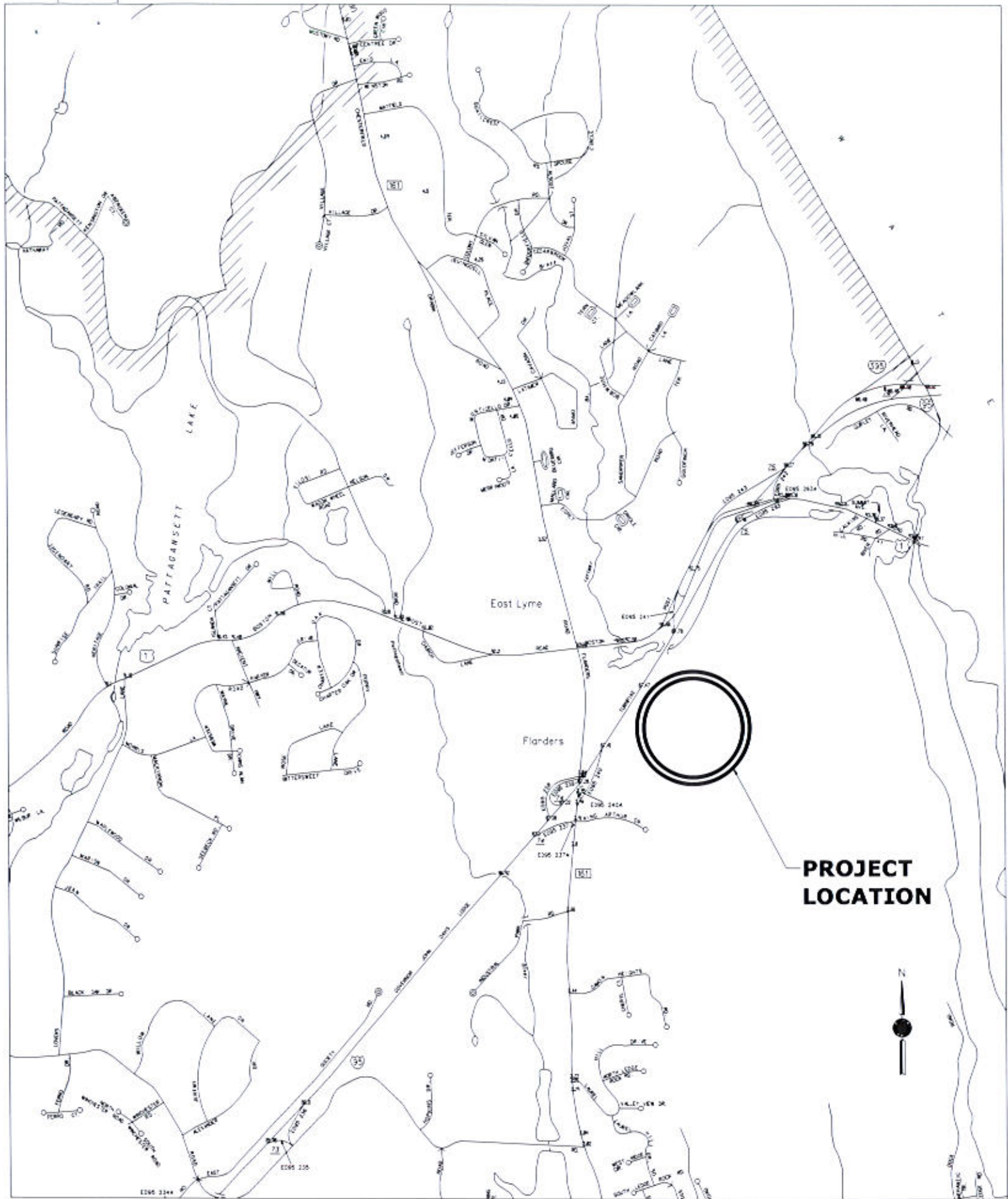
Existing Tank  
Monitoring System  
Location (Warehouse  
Loading Dock Area)

Existing 2,500 Gallon  
Underground Diesel  
Tank Location  
(To be Removed)



**EAST HAVEN REPAIR FACILITY GENERATOR REPLACEMENT  
LOCATION PLAN  
SEPTEMBER 2018**

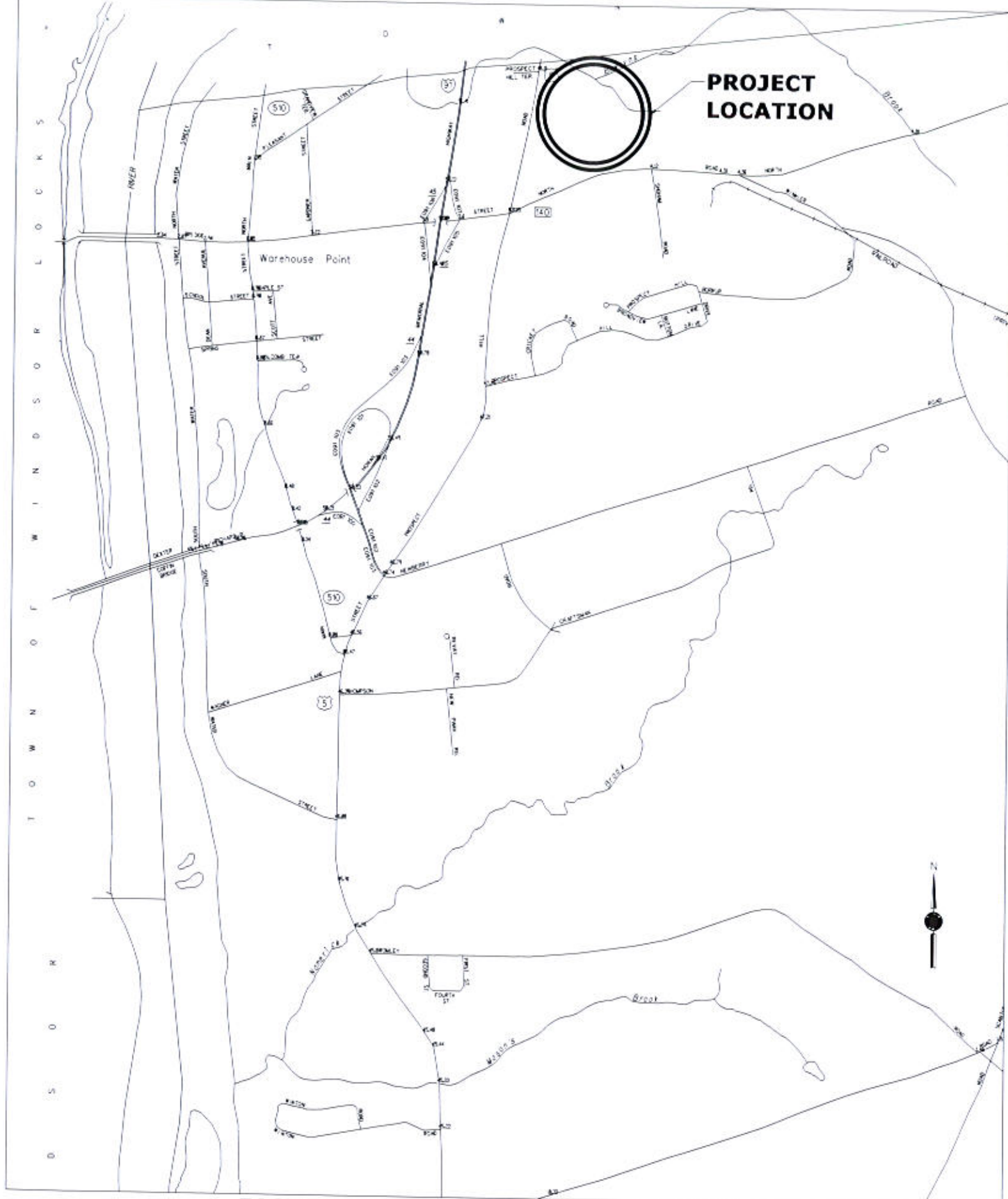
NOT TO SCALE



**EAST LYME PROPERTIES AND FACILITIES REGION 2  
FACILITY GENERATOR INSTALLATION  
LOCATION PLAN  
SEPTEMBER 2018**

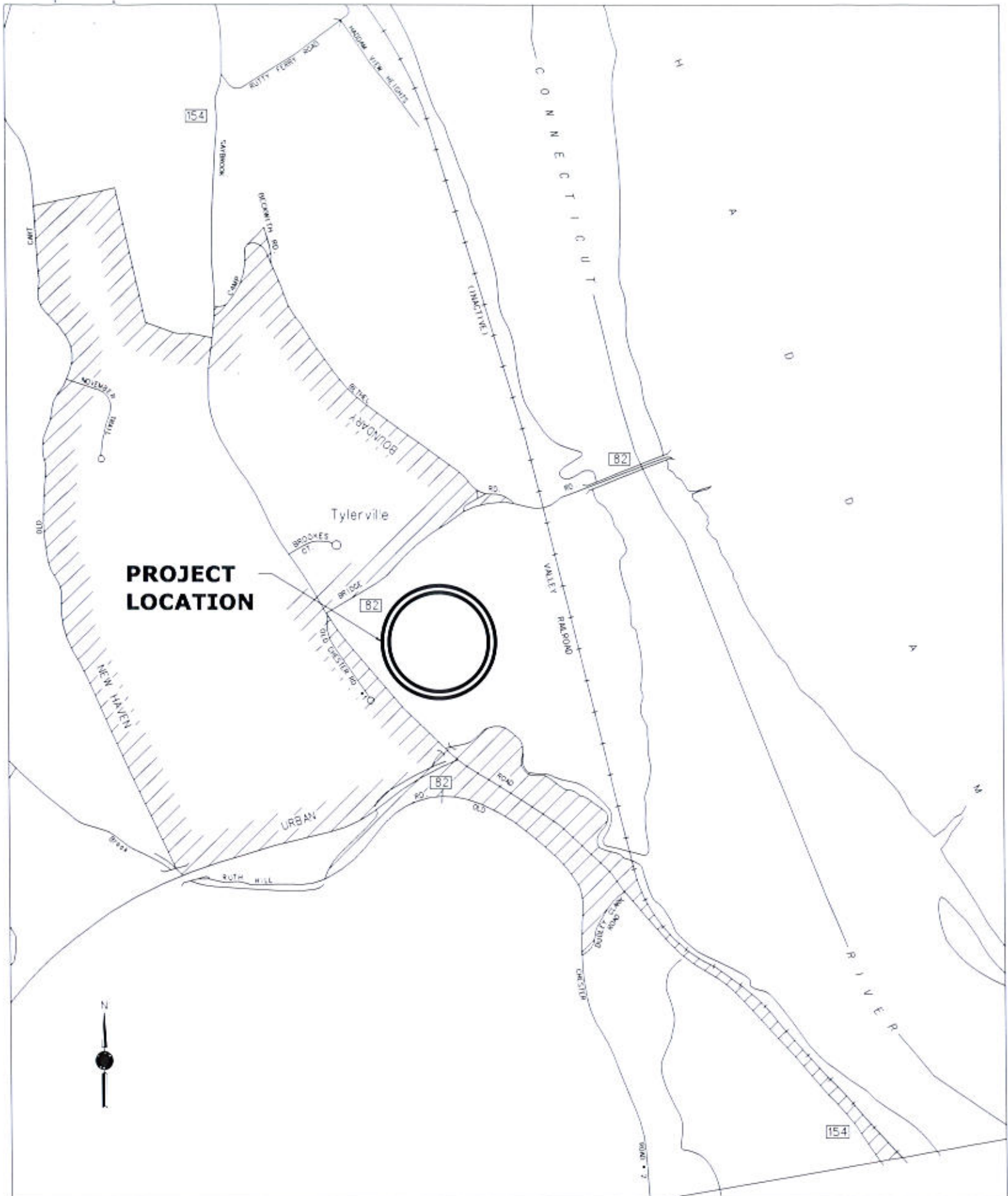
NOT TO SCALE

D  
S  
O  
R  
T  
O  
W  
N  
O  
F  
W  
I  
N  
D  
S  
O  
R  
L  
O  
C  
K  
S



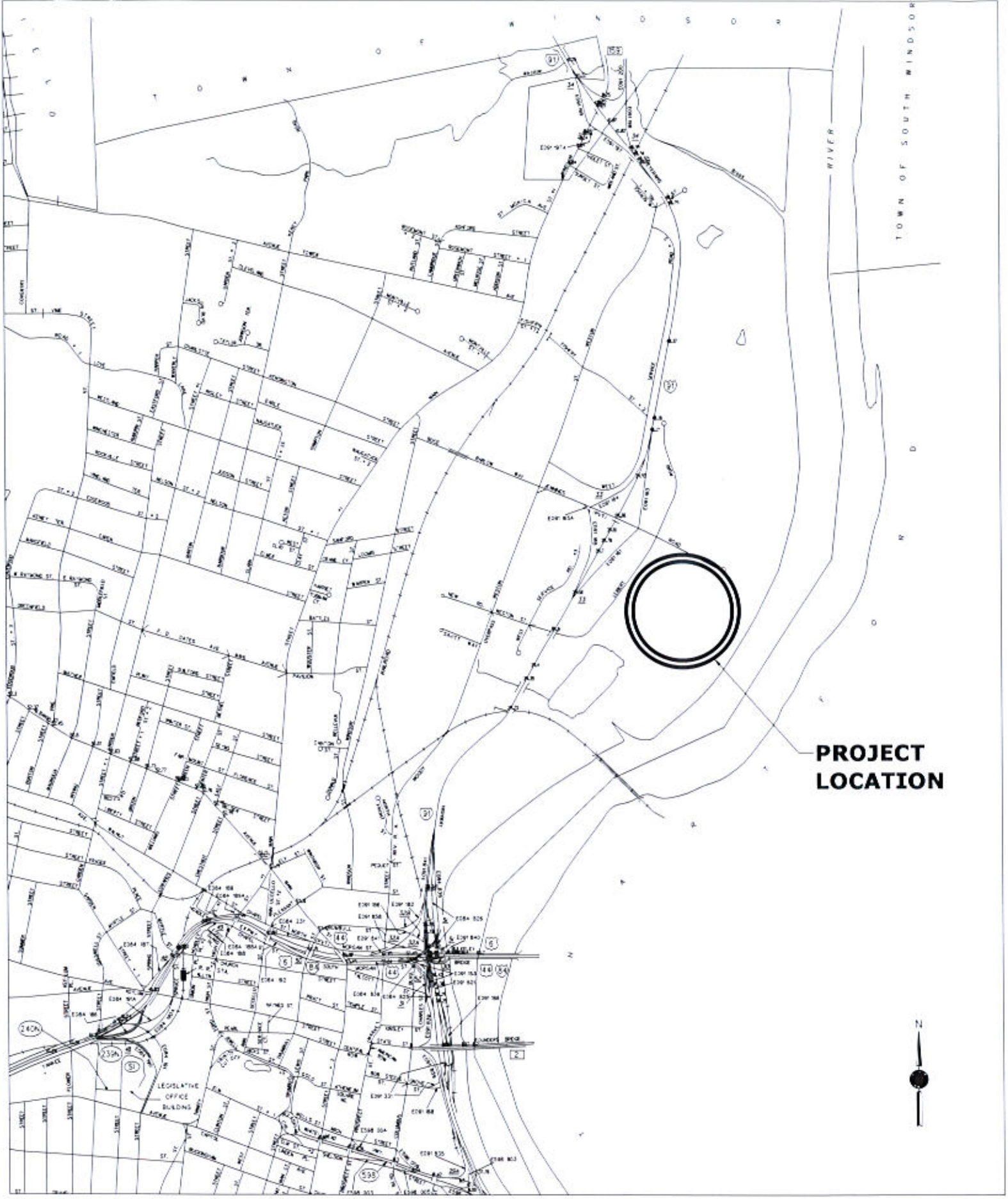
**PROJECT  
LOCATION**

**EAST WINDSOR MAINTENANCE FACILITY  
GENERATOR REPLACEMENT  
LOCATION PLAN  
SEPTEMBER 2018  
NOT TO SCALE**



**HADDAM (TYLERVILLE) MAINTENANCE FACILITY**  
**GENERATOR REPLACEMENT**  
**LOCATION PLAN**  
**SEPTEMBER 2018**  
 NOT TO SCALE

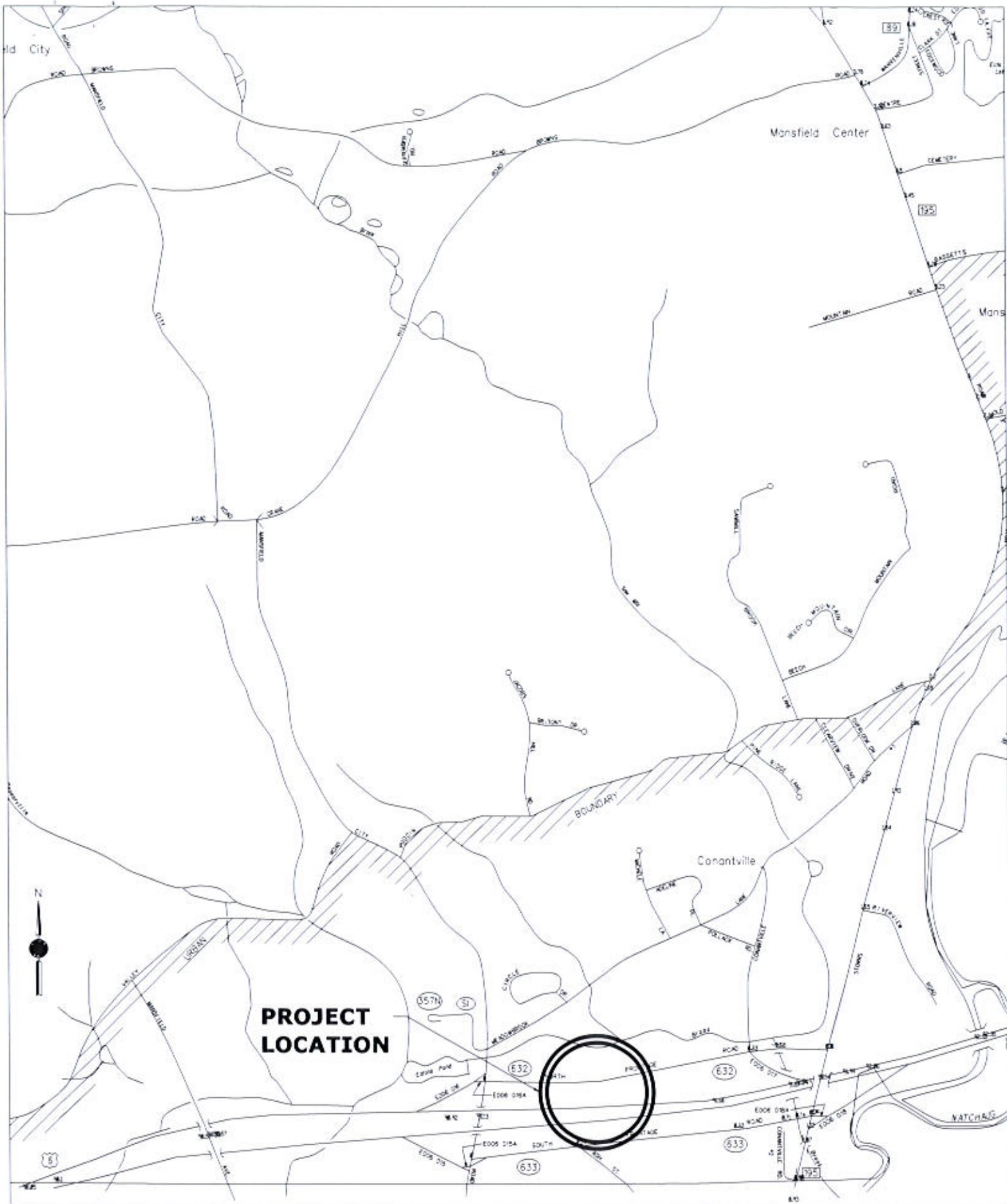




**PROJECT  
LOCATION**

**HARTFORD BRIDGE AND ELECTRICAL MAINTENANCE  
GENERATOR REPLACEMENT  
LOCATION PLAN  
SEPTEMBER 2018**

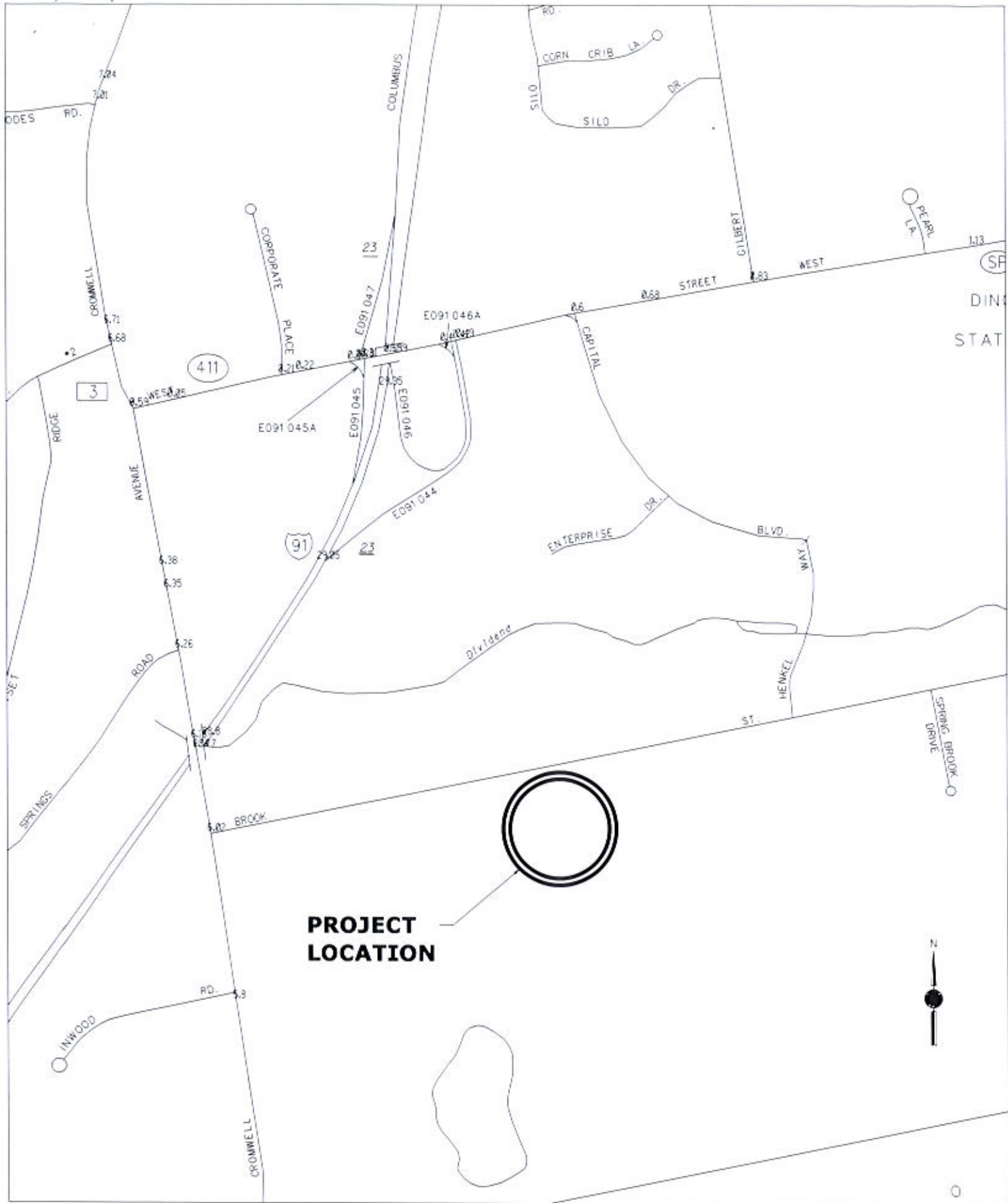
NOT TO SCALE



**PROJECT  
LOCATION**

**MANSFIELD MAINTENANCE FACILITY  
GENERATOR REPLACEMENT  
LOCATION PLAN  
SEPTEMBER 2018**

NOT TO SCALE



**ROCKY HILL CENTRAL WAREHOUSE  
GENERATOR REPLACEMENT  
LOCATION PLAN  
SEPTEMBER 2018**

NOT TO SCALE

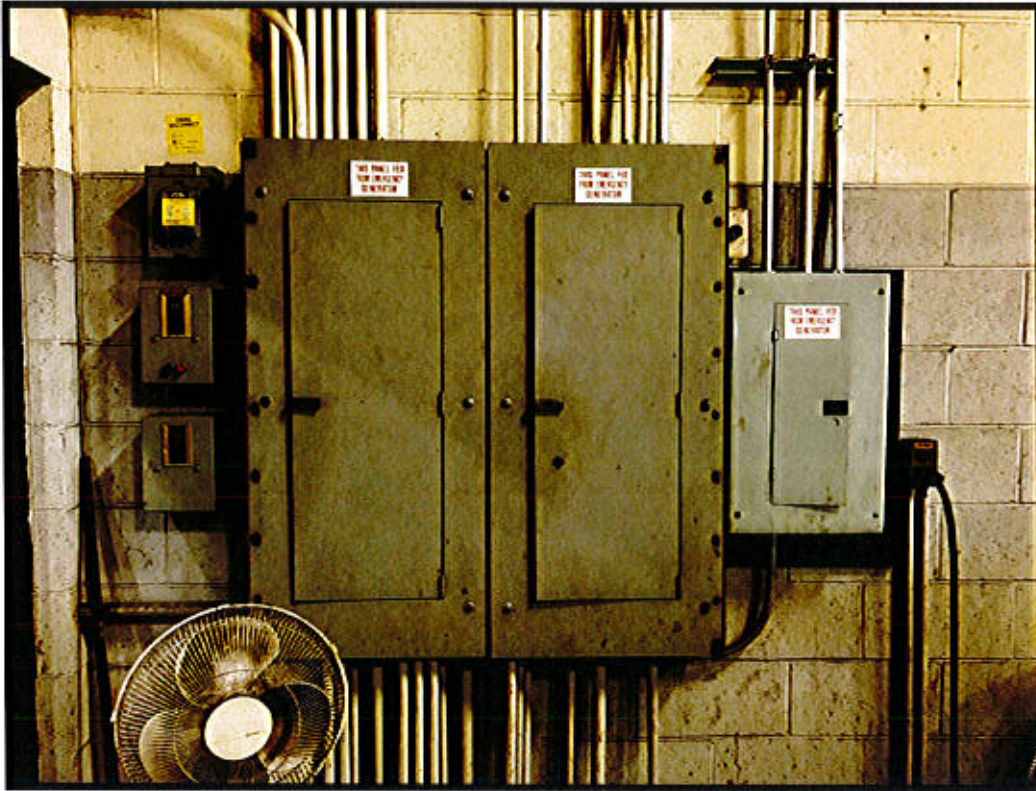


Photo 1. East Haven Repair Facility – 2100 N. High Street, East Haven, CT.  
Generator Electrical Panel.



Photo 2. East Haven Repair Facility –  
2100 N. High Street, East Haven, CT.  
Electrical Panels.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT

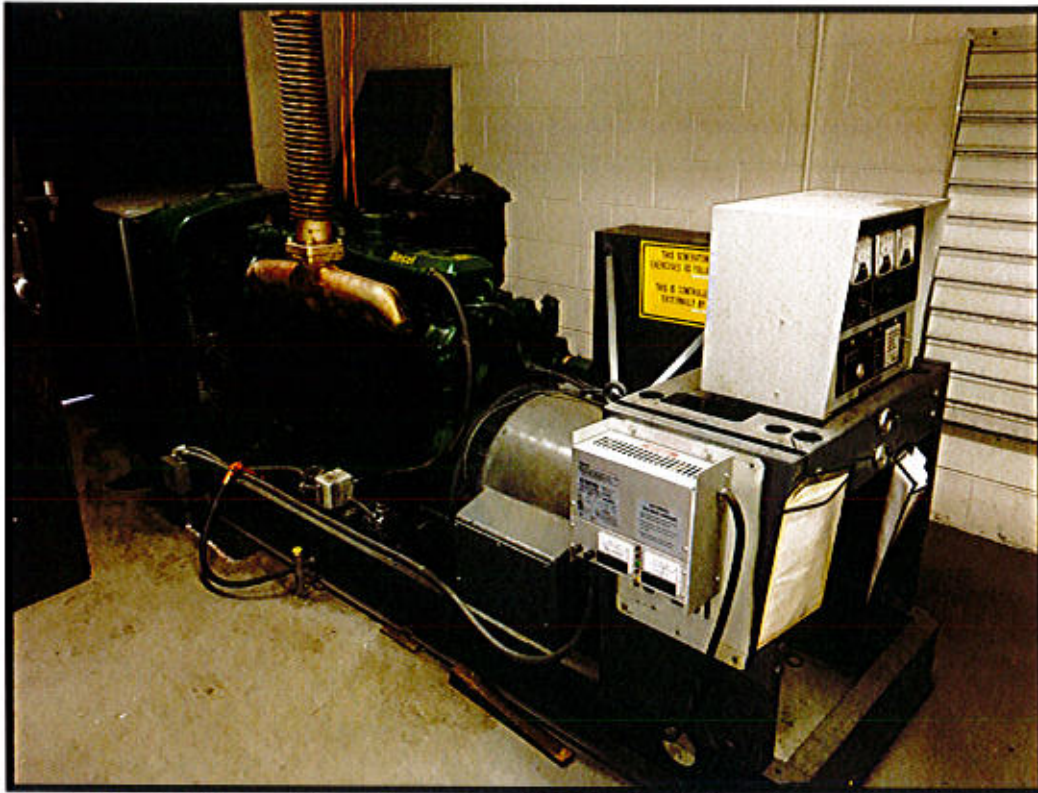


Photo 3. East Haven Repair Facility – 2100 N. High Street, East Haven, CT.  
Generator.



Photo 4. East Haven Repair Facility –  
2100 N. High Street, East Haven, CT.  
Generator Control.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT

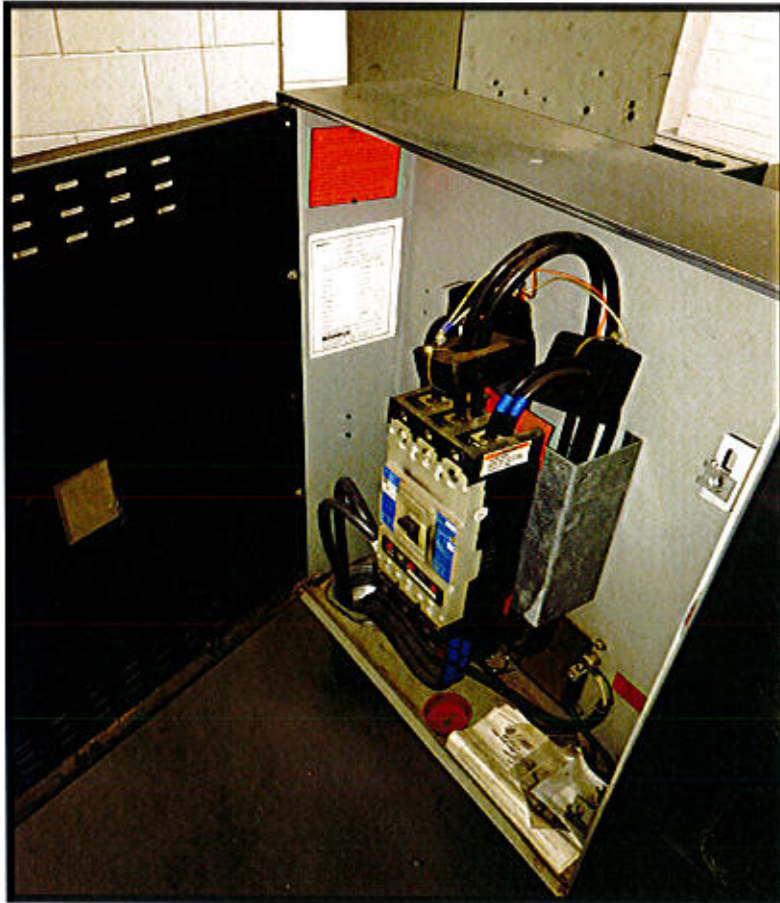


Photo 5.  
East Haven Repair  
Facility –  
2100 N. High Street,  
East Haven, CT.  
Inside Panel.



Photo 6.  
East Haven Repair Facility –  
2100 N. High Street,  
East Haven, CT.  
Generator.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT



Photo 7. East Haven Repair Facility – 2100 N. High Street, East Haven, CT.  
Generator Vents.



Photo 8.  
East Haven Repair Facility –  
2100 N. High Street,  
East Haven, CT.  
Generator Exhaust.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT

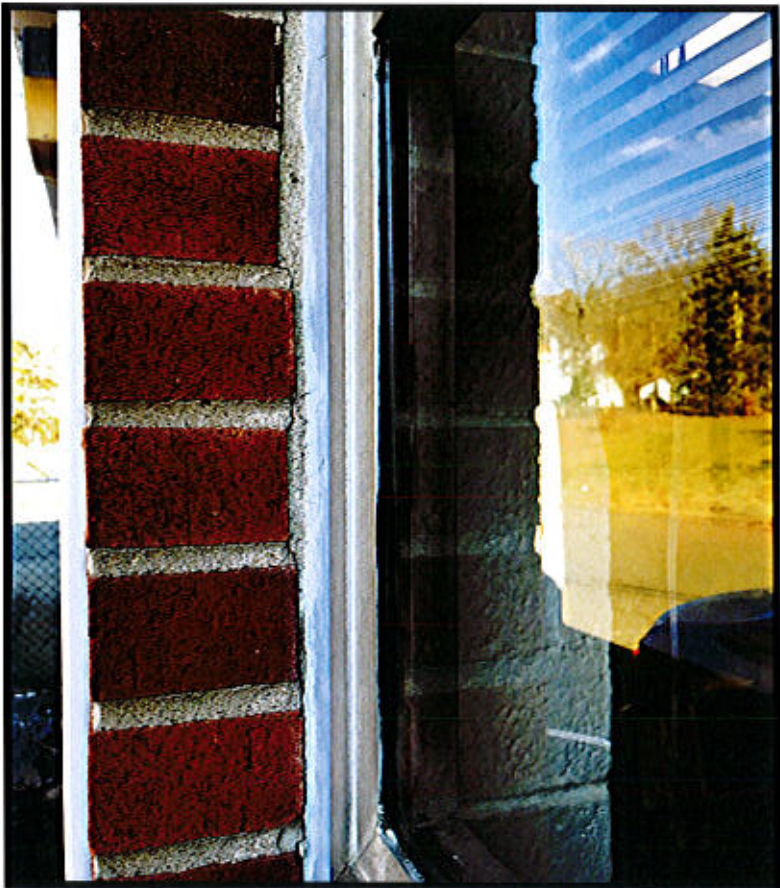


Photo 9.  
East Haven Repair Facility –  
2100 N. High Street,  
East Haven, CT.  
Brick/CMU Wall.



Photo 10. East Haven Repair Facility – 2100 N. High Street, East Haven, CT.  
Proposed Generator Location.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT



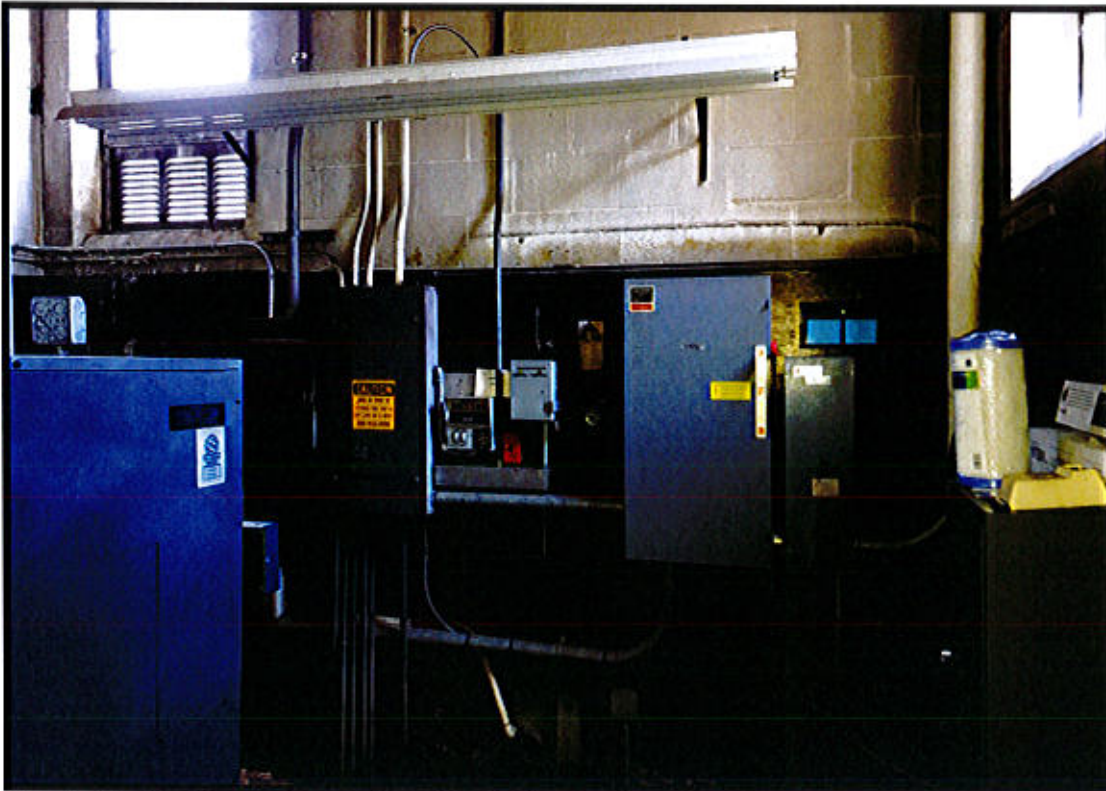


Photo 11. East Lyme Property & Facilities Region 2 Facility – Rt. 156, East Lyme, CT. Electrical Panels.



Photo 12.  
East Lyme Property & Facilities Region 2 Facility – Rt. 156, East Lyme, CT. Electrical Panel.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT



Photo 13.  
East Lyme Property & Facilities Region 2 Facility – Rt. 156, East Lyme, CT.  
Electrical Panel.



Photo 14. East Lyme Property & Facilities Region 2 Facility – Rt. 156, East Lyme, CT.  
Wall Penetration.

GENERATOR INSTALLATION REPLACEMENTS – EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT



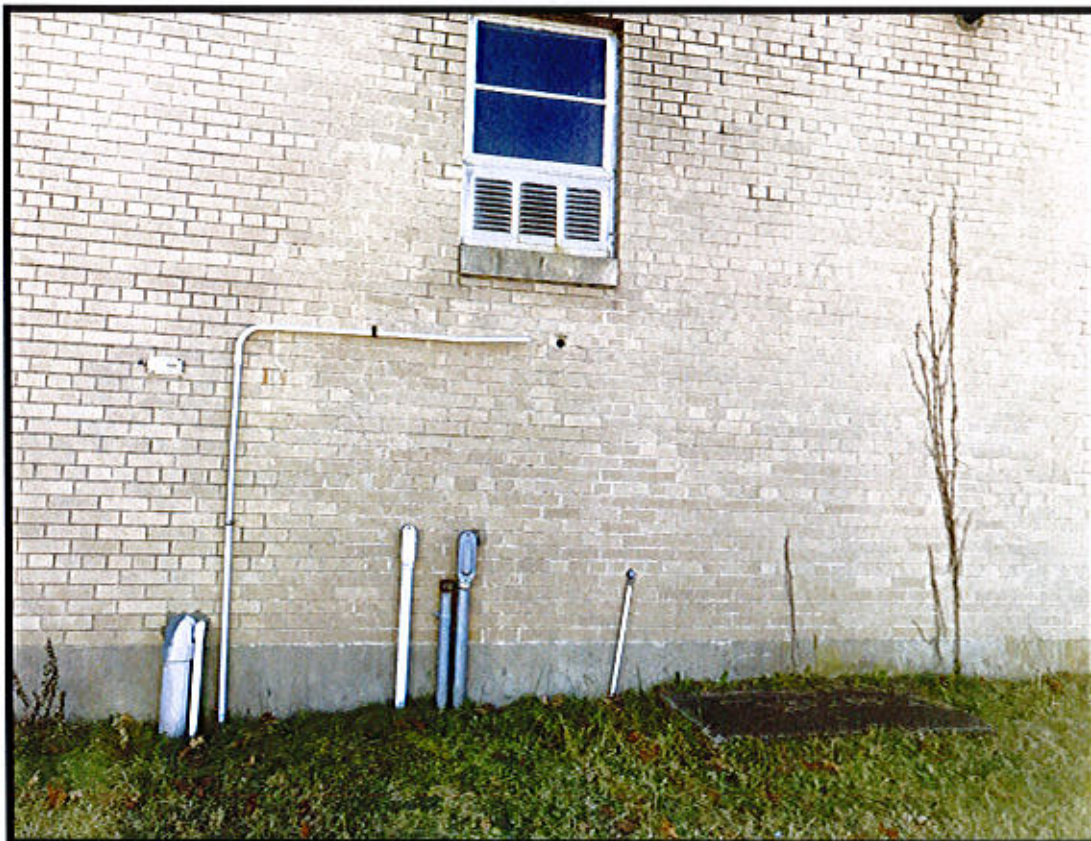
**Photo 15.**  
East Lyme Property &  
Facilities Region 2 Facility –  
Rt. 156, East Lyme, CT.  
Wall Penetration.



**Photo 16.**  
East Lyme Property &  
Facilities Region 2 Facility –  
Rt. 156, East Lyme, CT.  
Wall Penetration.



**Photo 17.**  
East Lyme Property &  
Facilities Region 2 Facility –  
Rt. 156, East Lyme, CT.  
Proposed Generator Location.



**Photo 18.** East Lyme Property & Facilities Region 2 Facility –  
Rt. 156, East Lyme, CT.  
Wall Penetration Location.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT



Photo 19.  
East Lyme Property &  
Facilities Region 2 Facility –  
Rt. 156, East Lyme, CT.  
Possible Annunciator Location.



Photo 20.  
East Lyme Property &  
Facilities Region 2 Facility –  
Rt. 156, East Lyme, CT.  
Possible Annunciator Location.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT

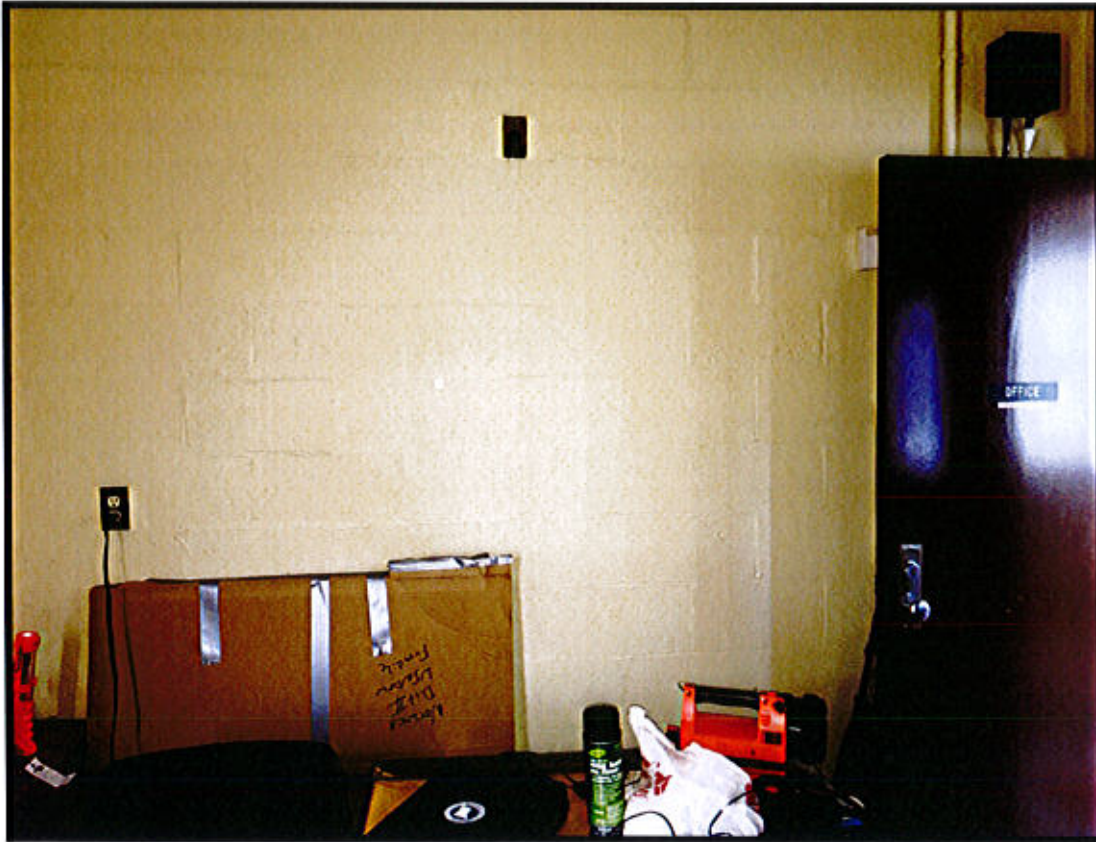


Photo 21. East Lyme Property & Facilities Region 2 Facility – Rt. 156, East Lyme, CT.  
Possible Annunciator Location.



Photo 22. East Lyme Property & Facilities Region 2 Facility –  
Rt. 156, East Lyme, CT.  
Possible Annunciator Location.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT.



Photo 23.  
East Lyme Property &  
Facilities Region 2 Facility –  
Rt. 156, East Lyme, CT.  
Possible Annunciator Location.



Photo 24. East Windsor Maintenance Facility –  
Prospect Hill Road, East Windsor, CT.  
Generator.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT



Photo 25.  
 East Windsor Maintenance Facility – Prospect Hill Road, East Windsor, CT.  
 Generator Control.

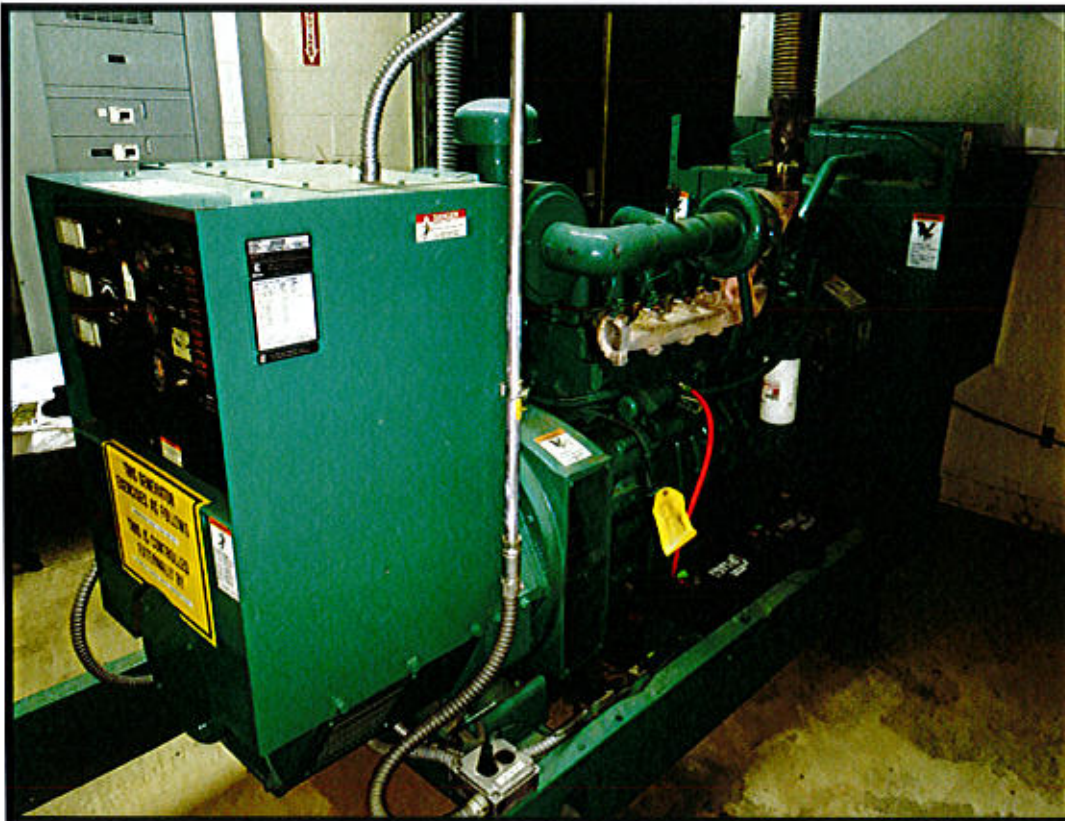


Photo 26. East Windsor Maintenance Facility – Prospect Hill Road, East Windsor, CT.  
 Generator.

GENERATOR INSTALLATION REPLACEMENTS – EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT





Photo 27. East Windsor Maintenance Facility –  
Prospect Hill Road, East Windsor, CT.  
Control Panel.



Photo 28.  
East Lyme Property &  
Facilities Region 2 Facility –  
Rt. 156, East Lyme, CT.  
Inside Generator Control.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT

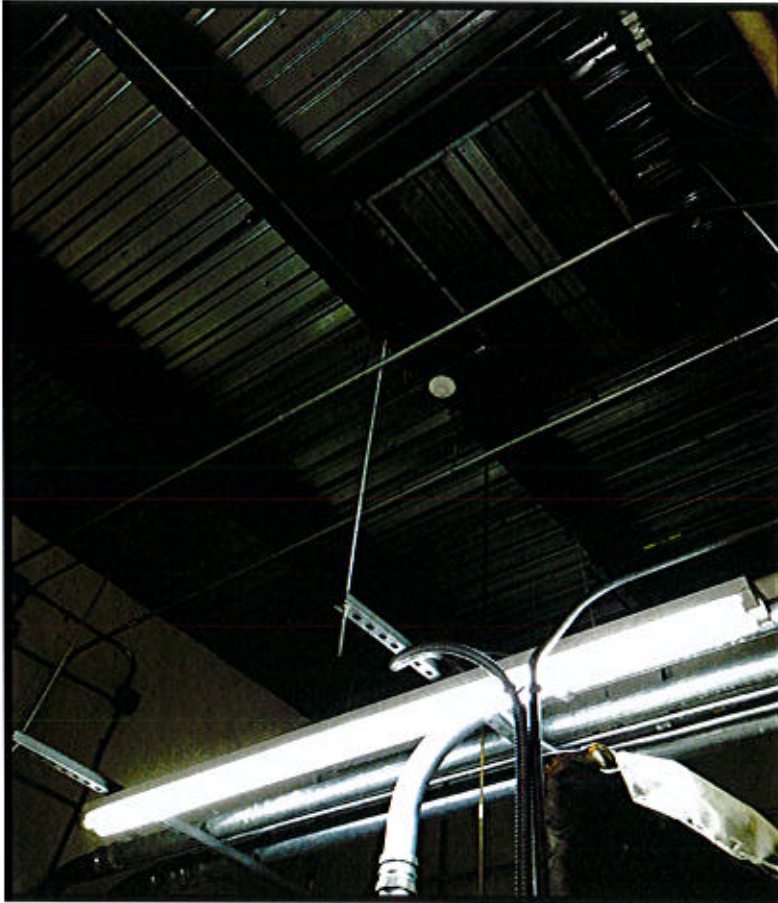


**Photo 29.**  
East Windsor Maintenance  
Facility – Prospect Hill Road,  
East Windsor, CT.  
Electrical Panel.



**Photo 30.**  
East Windsor Maintenance  
Facility – Prospect Hill Road,  
East Windsor, CT.  
Generator & Electrical Box.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT



**Photo 31.**  
East Windsor Maintenance  
Facility – Prospect Hill Road,  
East Windsor, CT.  
Generator Room Ceiling.



**Photo 32.** East Windsor Maintenance Facility –  
Prospect Hill Road, East Windsor, CT.  
Electrical Panels

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT



**Photo 33.**  
**East Windsor Maintenance Facility – Prospect Hill Road, East Windsor, CT.**  
Generator Room Vent and Generator Exhaust.



**Photo 34.**  
**East Windsor Maintenance Facility – Prospect Hill Road, East Windsor, CT.**  
Generator Exhaust Caulk.

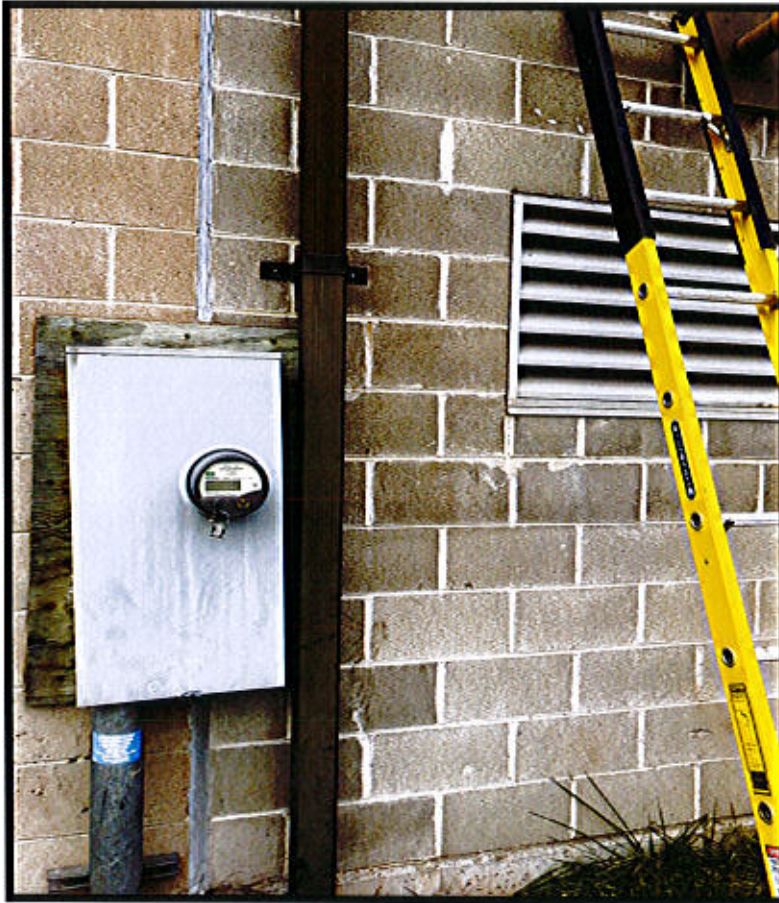


Photo 35.  
East Windsor Maintenance  
Facility – Prospect Hill Road,  
East Windsor, CT.  
Electrical Meter.



Photo 36.  
East Windsor Maintenance  
Facility – Prospect Hill Road,  
East Windsor, CT.  
Tank Monitoring System.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT

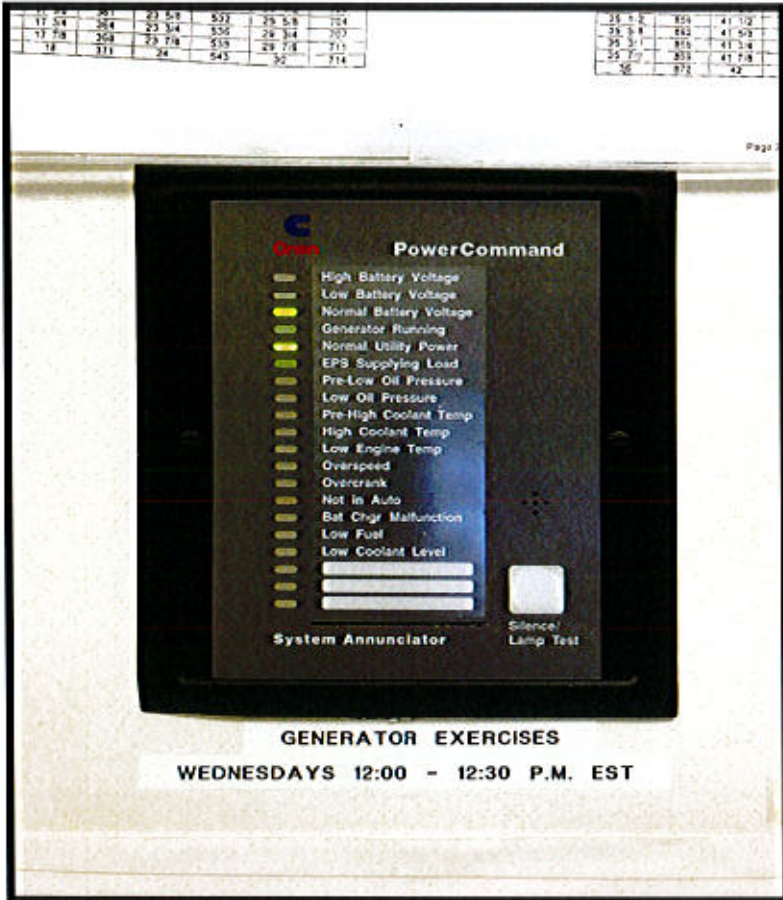


Photo 37.  
East Windsor Maintenance Facility – Prospect Hill Road, East Windsor, CT.  
Tank Monitoring System.

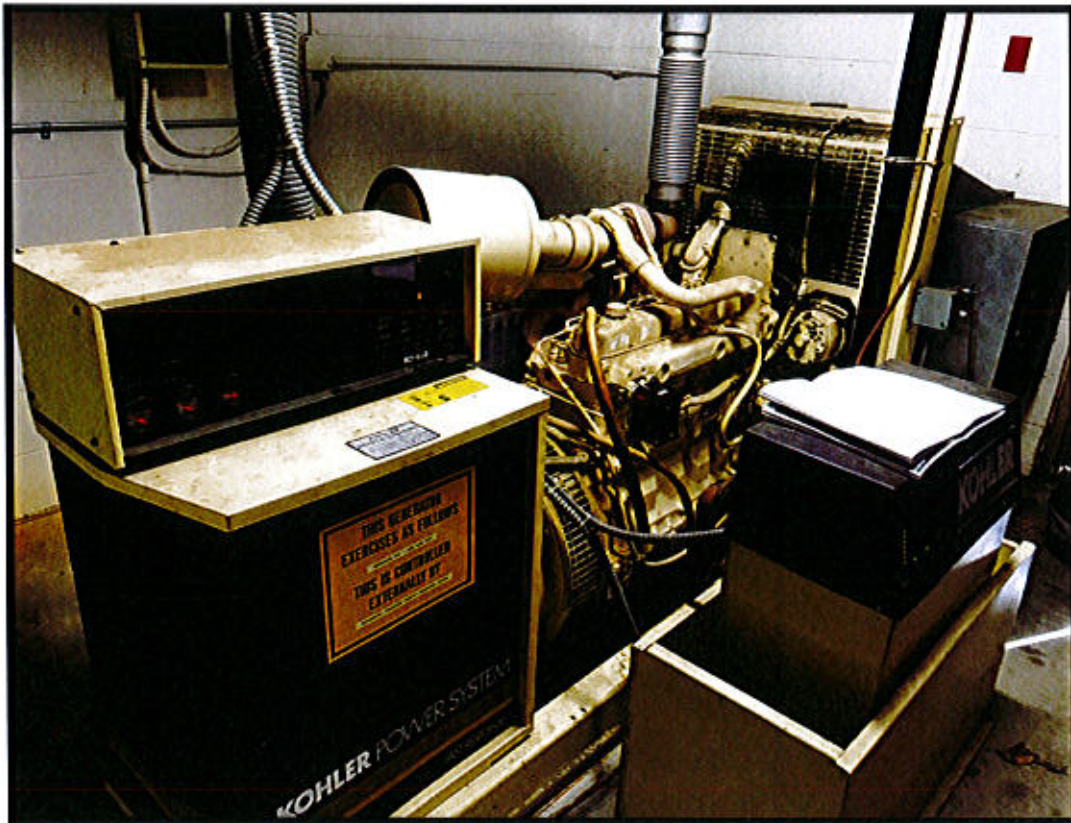


Photo 38. Haddam Maintenance Facility – Saybrook Road, Haddam, CT.  
Generator.

GENERATOR INSTALLATION REPLACEMENTS – EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT

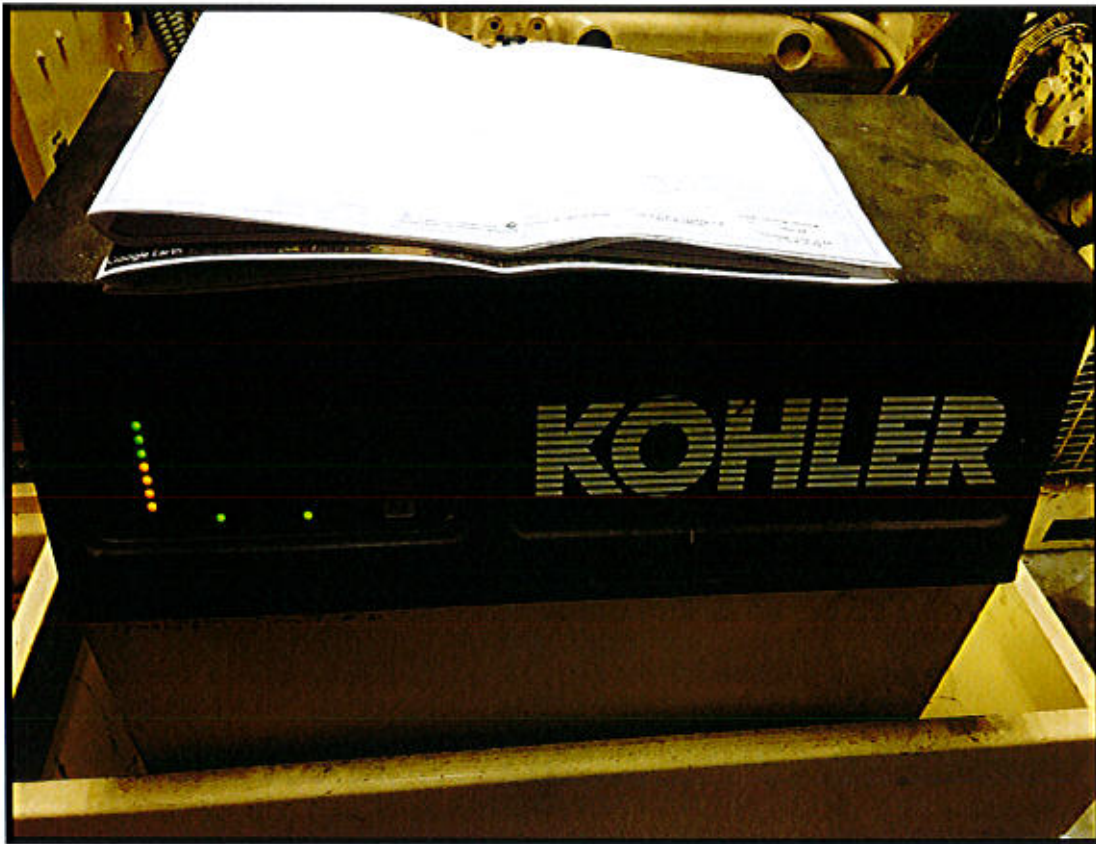


Photo 39. Haddam Maintenance Facility – Saybrook Road, Haddam, CT.  
Generator Control.



Photo 40. Haddam Maintenance Facility – Saybrook Road, Haddam, CT.  
Generator Transfer and Fuel Tank.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT

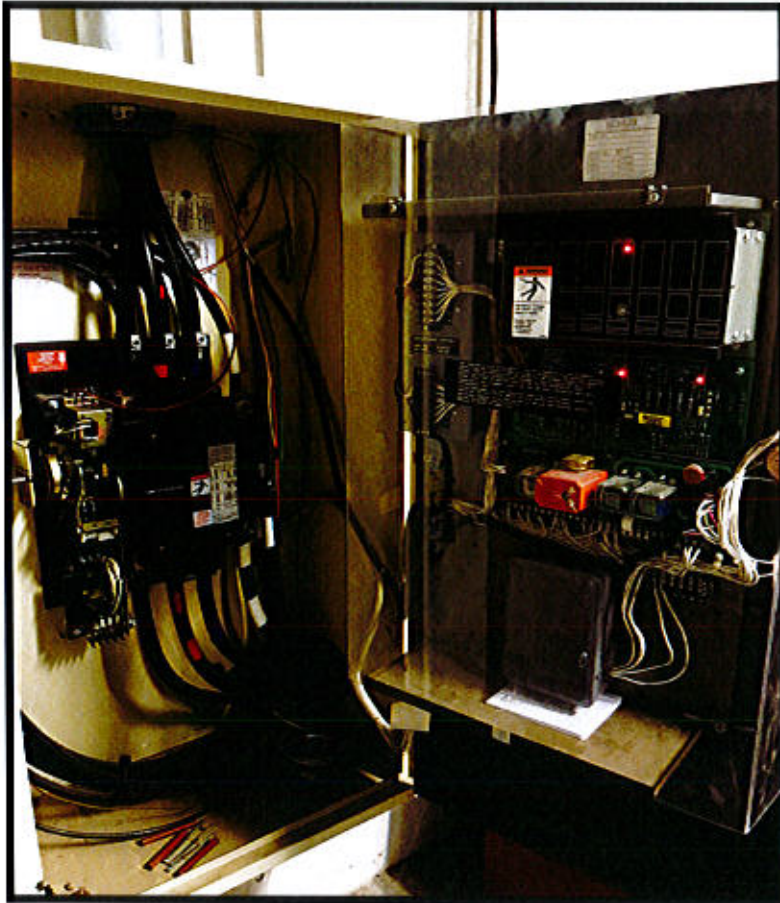


Photo 41.  
Haddam Maintenance Facility –  
Saybrook Road, Haddam, CT.  
Inside Generator Transfer.

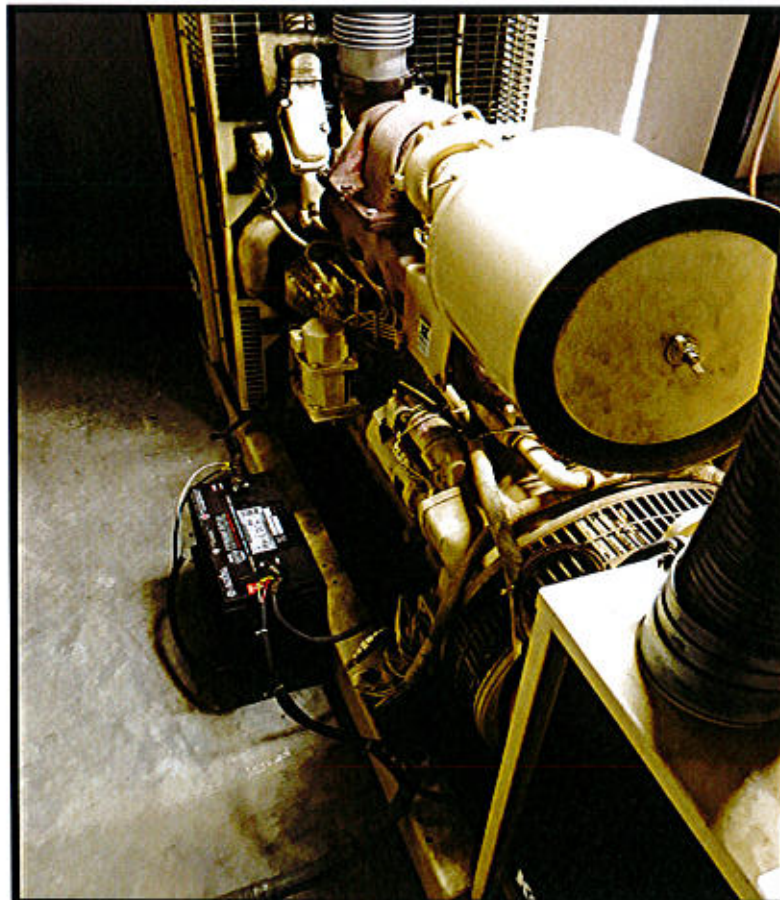


Photo 42.  
Haddam Maintenance Facility –  
Saybrook Road, Haddam, CT.  
Generator.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT





Photo 43.  
Haddam Maintenance  
Facility – Saybrook Road,  
Haddam, CT.  
Generator Battery Charger.



Photo 44. Haddam Maintenance Facility – Saybrook Road, Haddam, CT.  
Batteries.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT



Photo 45.  
 Hartford Bridge & Electrical  
 Maintenance Facility –  
 49 Jennings Road, Hartford, CT  
 Generator Room Panel.

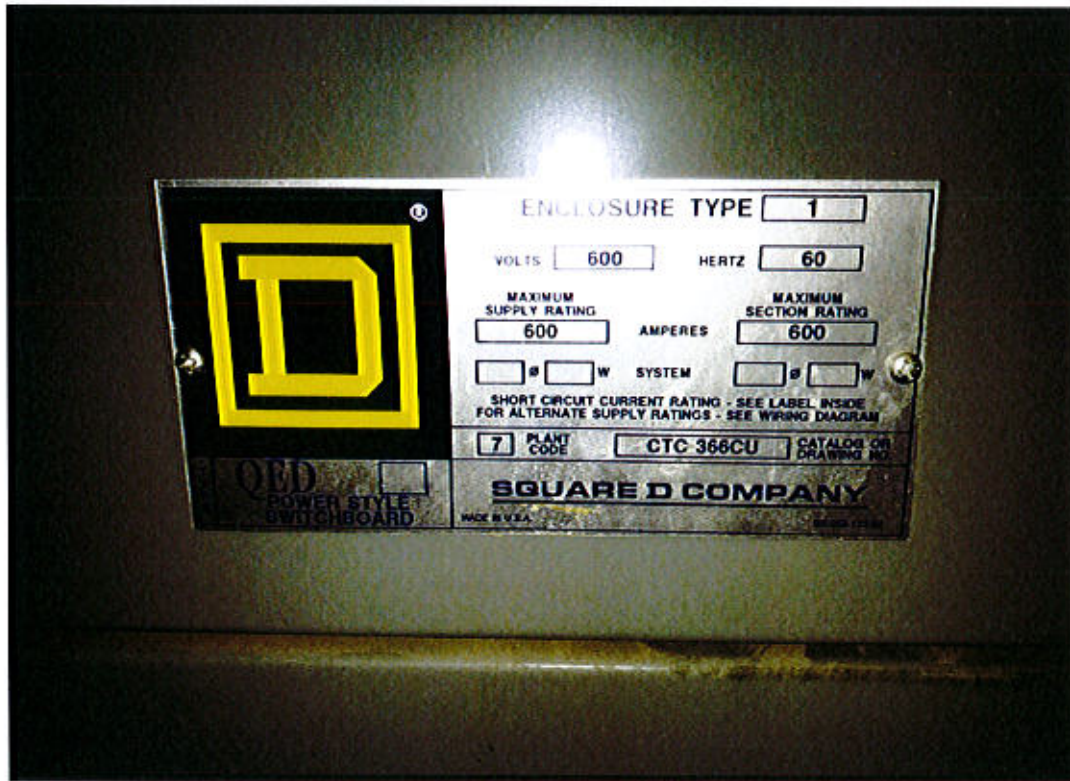


Photo 46. Hartford Bridge & Electrical Maintenance Facility –  
 49 Jennings Road, Hartford, CT  
 Generator Room Panel Label.

GENERATOR INSTALLATION REPLACEMENTS – EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT



Photo 47.  
Hartford Bridge & Electrical  
Maintenance Facility –  
49 Jennings Road, Hartford, CT  
Generator Panel.



Photo 48. Hartford Bridge & Electrical Maintenance Facility –  
49 Jennings Road, Hartford, CT  
Generator Panel Label.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT



Photo 49.  
Hartford Bridge & Electrical  
Maintenance Facility –  
49 Jennings Road, Hartford, CT  
Generator Room Panel.

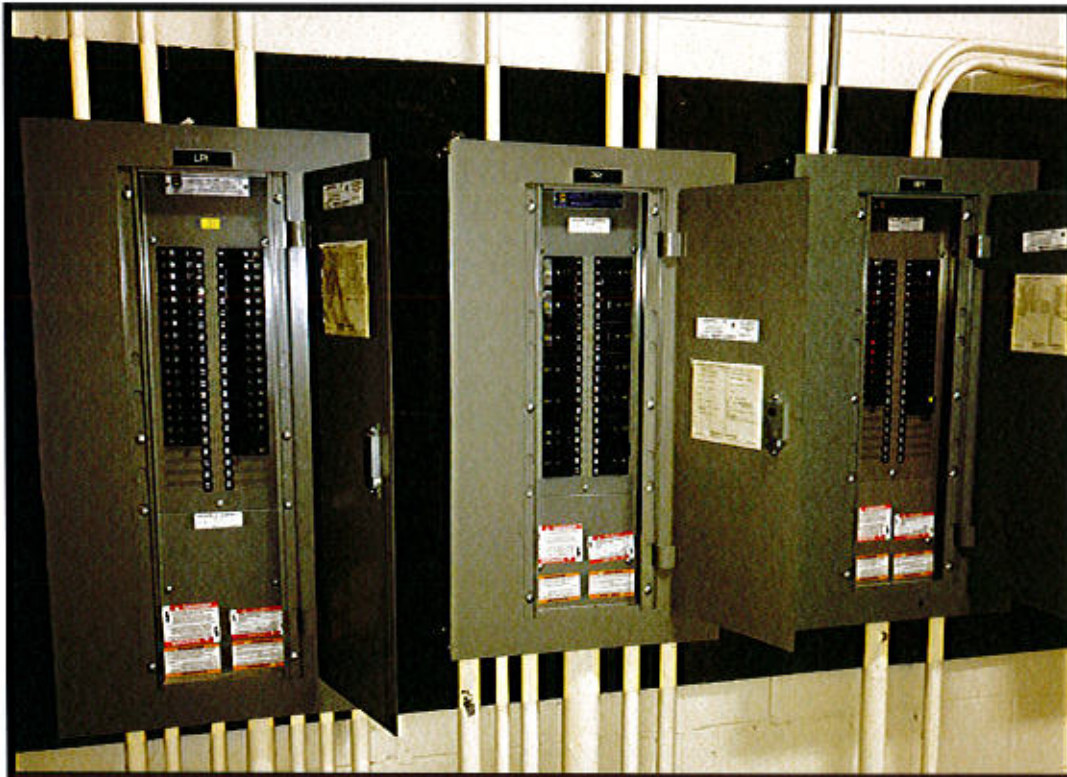


Photo 50. Hartford Bridge & Electrical Maintenance Facility –  
49 Jennings Road, Hartford, CT.  
Generator Room Electrical Panel

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT

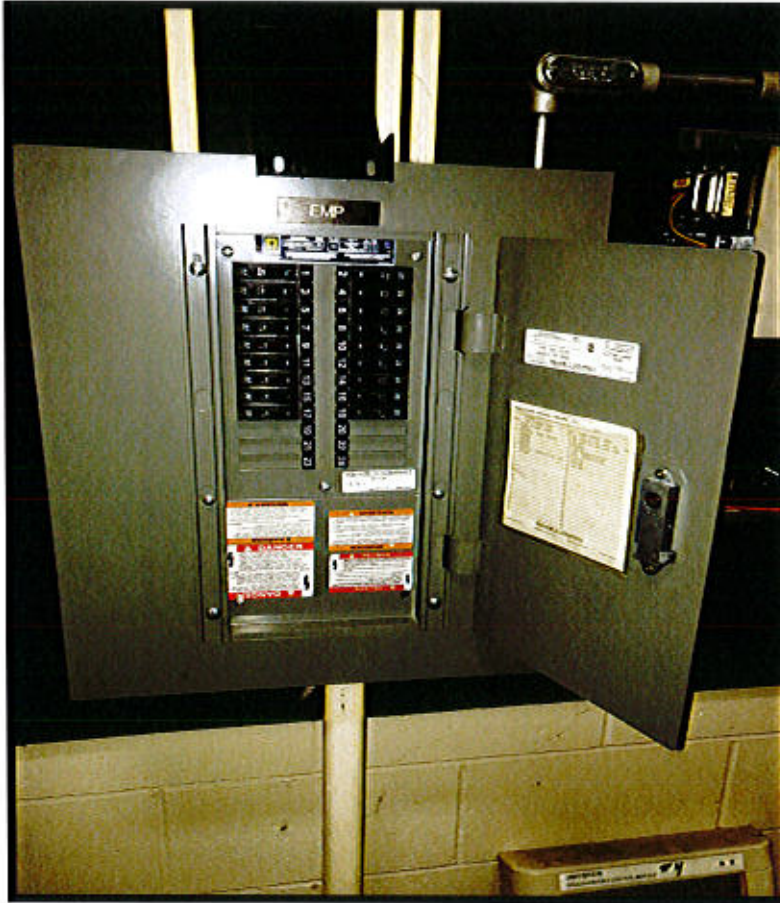


Photo 51.  
Hartford Bridge & Electrical  
Maintenance Facility –  
49 Jennings Road, Hartford, CT  
Generator Room Electrical Panel.



Photo 52. Hartford Bridge & Electrical Maintenance Facility –  
49 Jennings Road, Hartford, CT  
Trane Control Boxes.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT

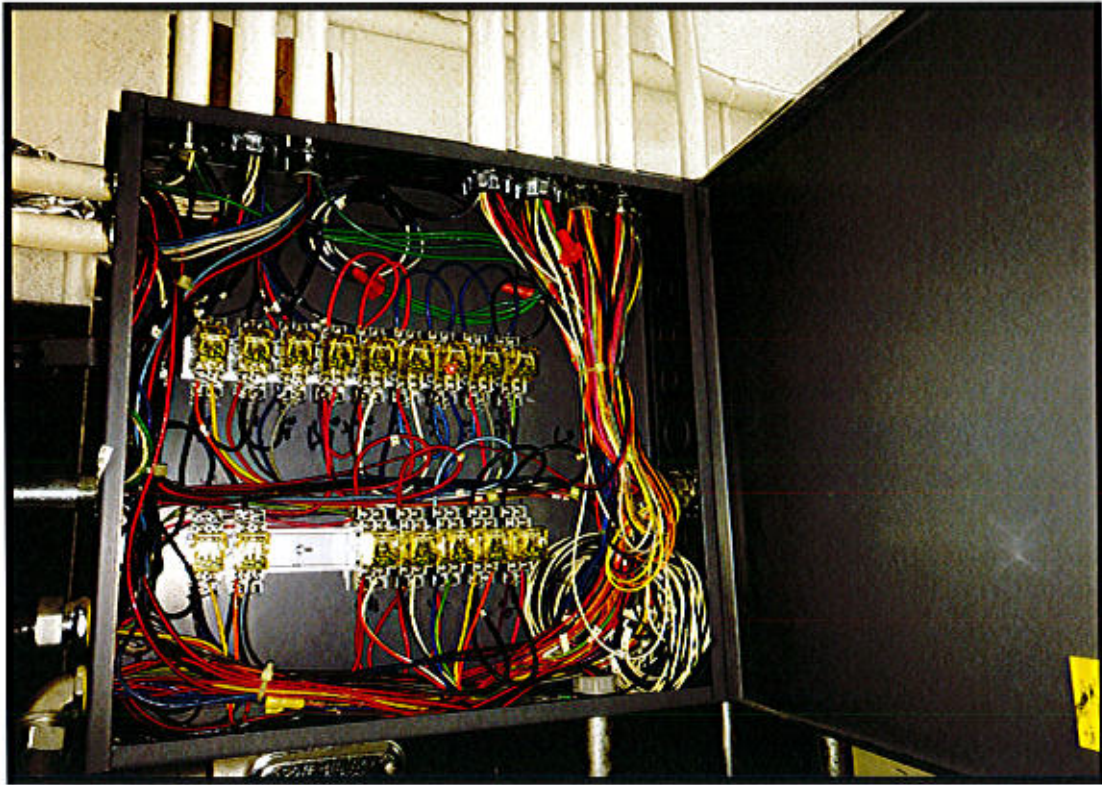


Photo 53. Hartford Bridge & Electrical Maintenance Facility –  
49 Jennings Road, Hartford, CT.  
Control Box.

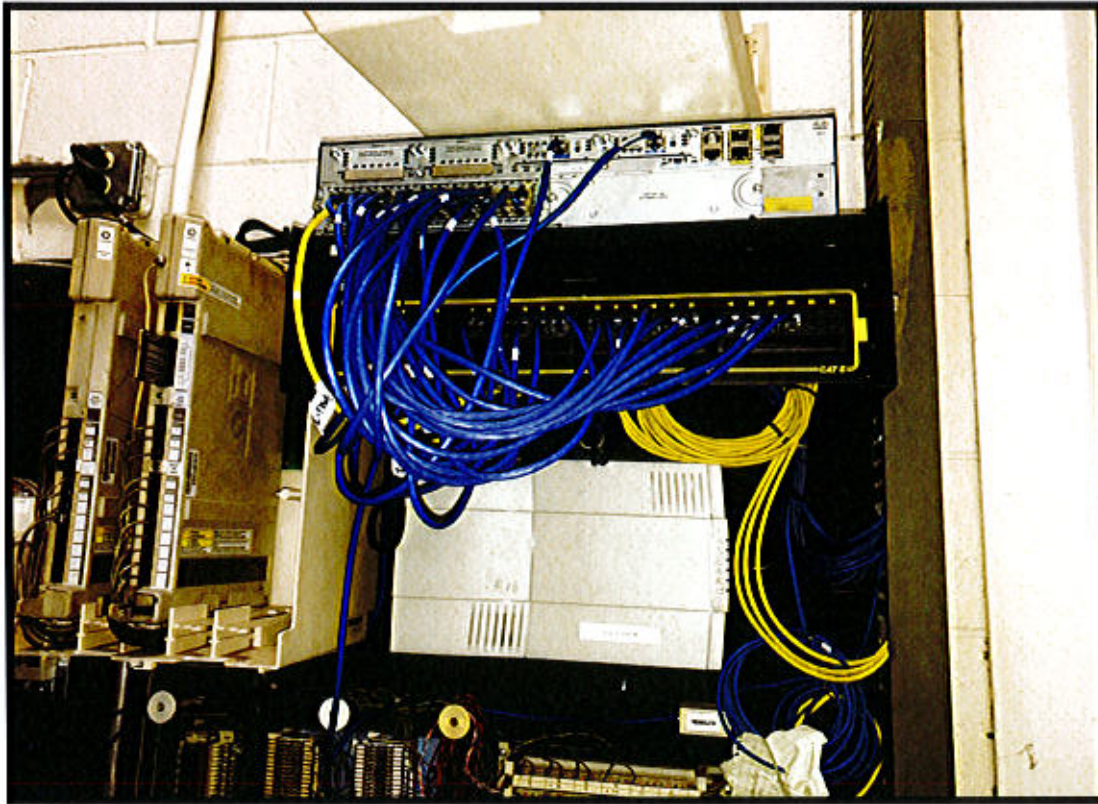


Photo 54. Hartford Bridge & Electrical Maintenance Facility –  
49 Jennings Road, Hartford, CT.  
Various Controls.



Photo 55.  
Hartford Bridge & Electrical  
Maintenance Facility –  
49 Jennings Road, Hartford, CT  
Generator Control Box.



Photo 56.  
Hartford Bridge & Electrical  
Maintenance Facility –  
49 Jennings Road, Hartford, CT  
Generator.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT



Photo 57.  
Hartford Bridge & Electrical  
Maintenance Facility –  
49 Jennings Road, Hartford, CT  
Inside Generator.



Photo 58.  
Hartford Bridge & Electrical  
Maintenance Facility –  
49 Jennings Road, Hartford, CT  
Electrical Meter.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT



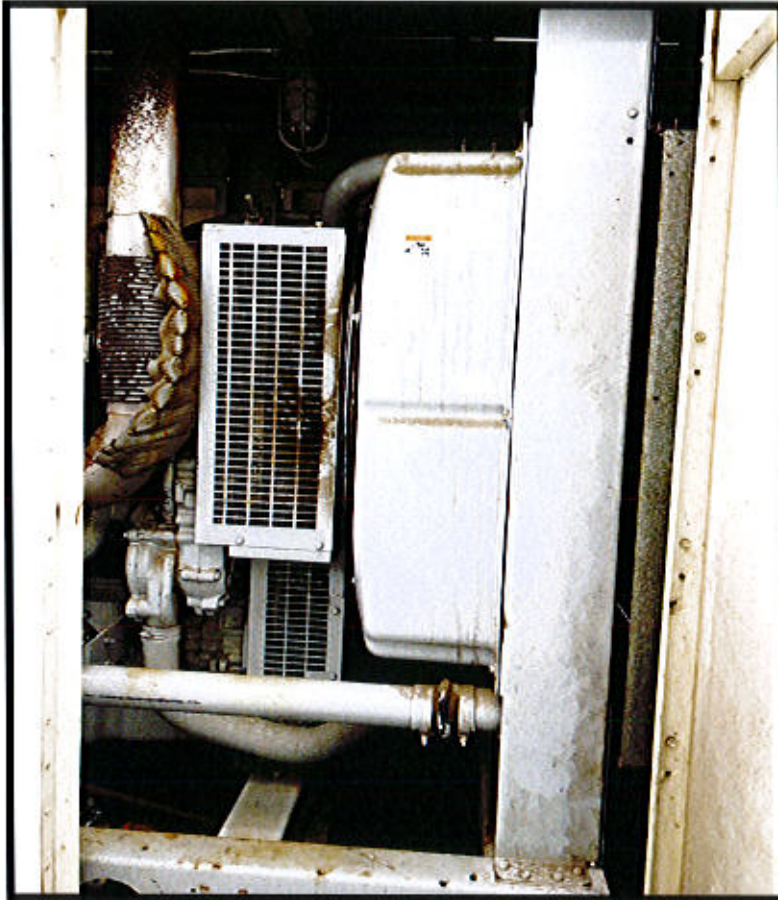


Photo 59.  
Hartford Bridge & Electrical  
Maintenance Facility –  
49 Jennings Road, Hartford, CT  
Inside Generator.

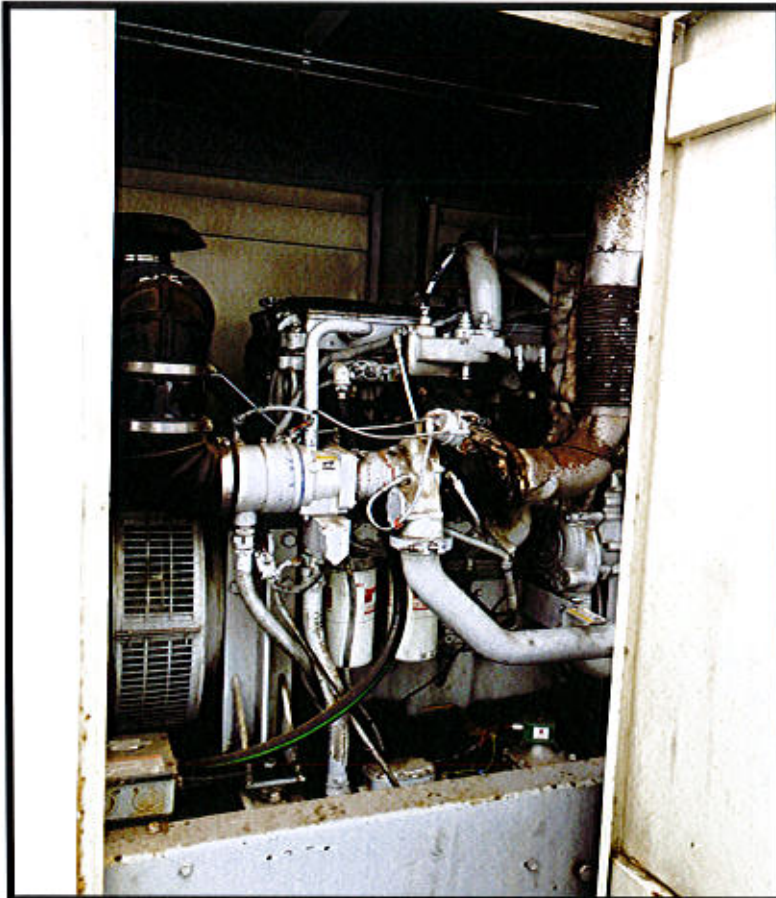


Photo 60.  
Hartford Bridge & Electrical  
Maintenance Facility –  
49 Jennings Road, Hartford, CT  
Inside Generator.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT



Photo 61.  
Mansfield Maintenance  
Facility – 100 N. Frontage Road,  
Mansfield, CT.  
Generator Transfer Switch.

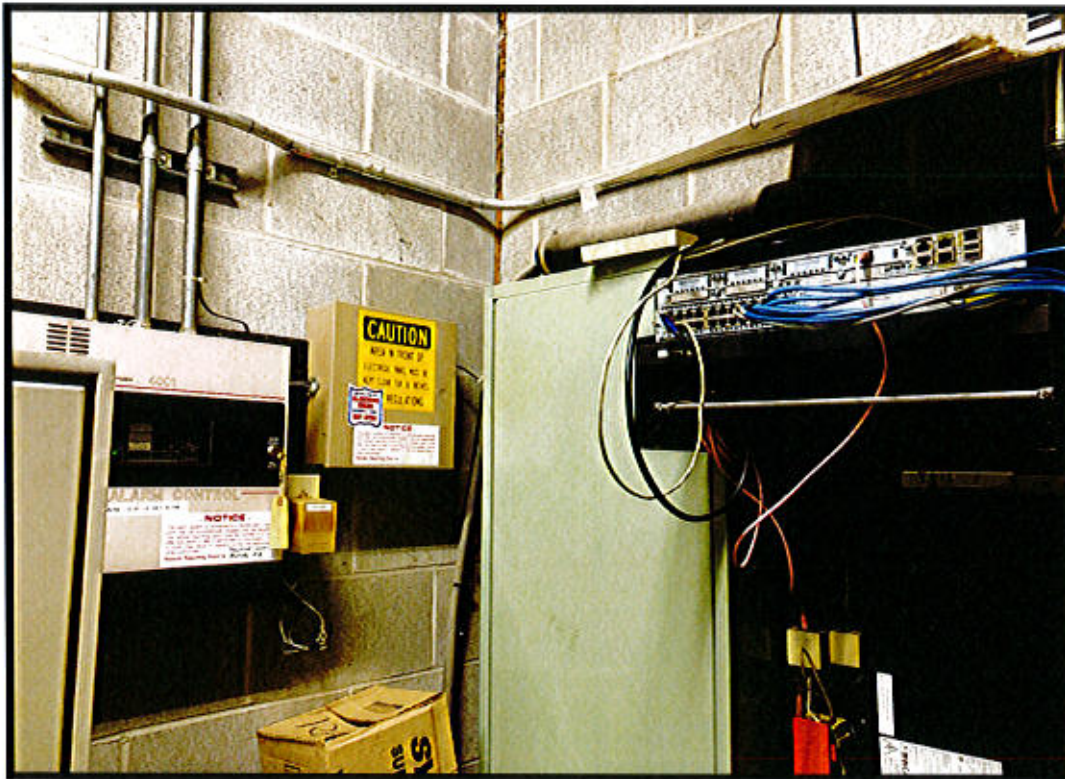


Photo 62. Mansfield Maintenance Facility – 100 N. Frontage Road, Mansfield, CT.  
Alarm Control.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT



Photo 63.  
Mansfield Maintenance  
Facility – 100 N. Frontage  
Road, Mansfield, CT.  
Electrical Meter.



Photo 64.  
Mansfield Maintenance  
Facility – 100 N. Frontage  
Road, Mansfield, CT.  
Electrical Panel.



**Photo 65.**  
**Mansfield Maintenance Facility – 100 N. Frontage Road, Mansfield, CT.**  
 Electrical Panel Label.

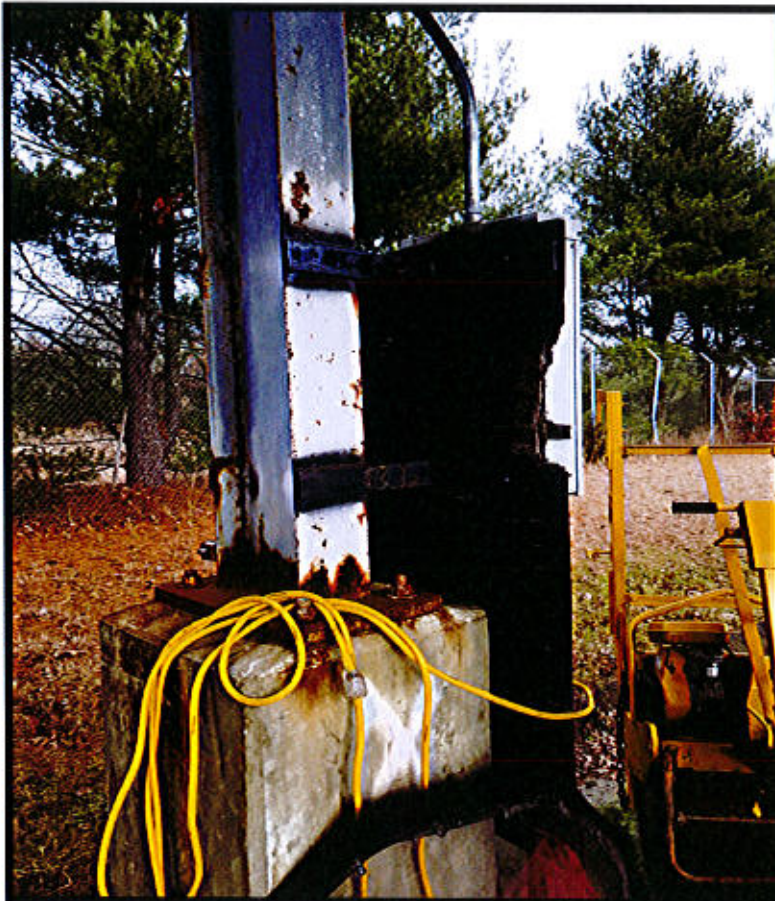


**Photo 66.**  
**Mansfield Maintenance Facility – 100 N. Frontage Road, Mansfield, CT.**  
 Transfer switch Q.

GENERATOR INSTALLATION REPLACEMENTS – EASTHAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT



**Photo 67.**  
**Mansfield Maintenance Facility – 100 N. Frontage Road, Mansfield, CT.**  
Generator Room Ceiling.



**Photo 68.**  
**Mansfield Maintenance Facility – 100 N. Frontage Road, Mansfield, CT.**  
Generator Electrical Panel.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT

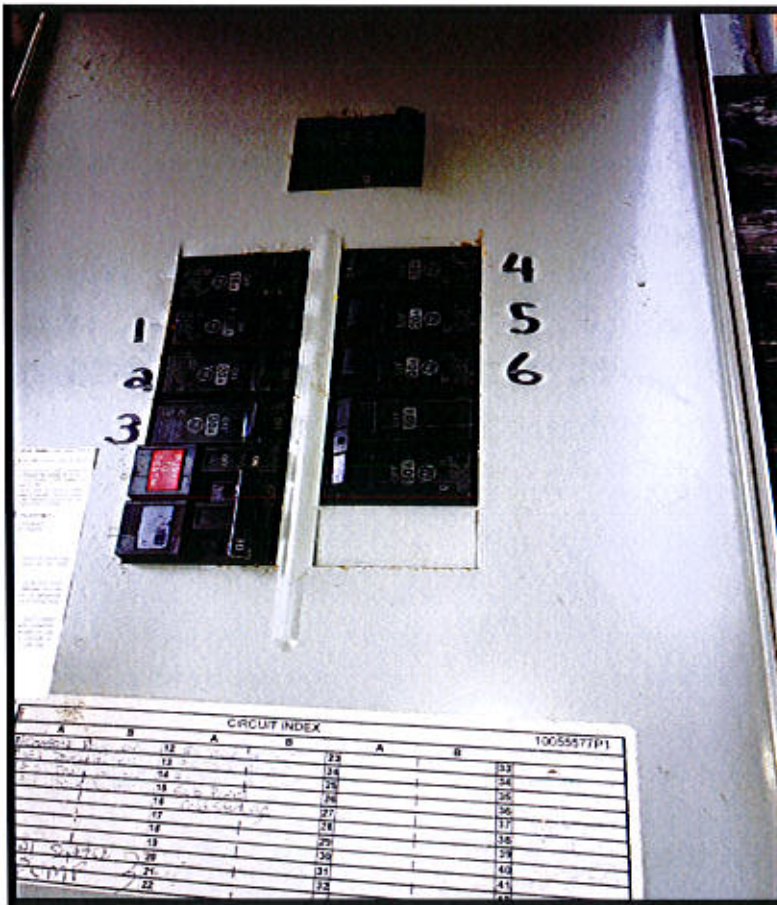


Photo 69.  
 Mansfield Maintenance  
 Facility – 100 N. Frontage  
 Road, Mansfield, CT.  
 Generator Electrical Panel.



Photo 70. Mansfield Maintenance Facility – 100 N. Frontage Road, Mansfield, CT.  
 Propane Tank.

GENERATOR INSTALLATION REPLACEMENTS –  
 EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT



**Photo 71. Mansfield Maintenance Facility – 100 N. Frontage Road, Mansfield, CT.  
Generator.**



**Photo 72.  
Mansfield Maintenance  
Facility – 100 N. Frontage  
Road, Mansfield, CT.  
UST Covers.**

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT



Photo 73.  
Mansfield Maintenance  
Facility – 100 N. Frontage  
Road, Mansfield, CT.  
Generator.



Photo 74.  
Mansfield Maintenance  
Facility – 100 N. Frontage  
Road, Mansfield, CT.  
Inside Generator.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT





Photo 75.  
Mansfield Maintenance  
Facility – 100 N. Frontage  
Road, Mansfield, CT.  
Inside Generator.



Photo 76.  
Mansfield Maintenance  
Facility – 100 N. Frontage  
Road, Mansfield, CT.  
Inside Geo.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT



Photo 77. Mansfield Maintenance Facility – 100 N. Frontage Road, Mansfield, CT.  
Inside Generator Control.

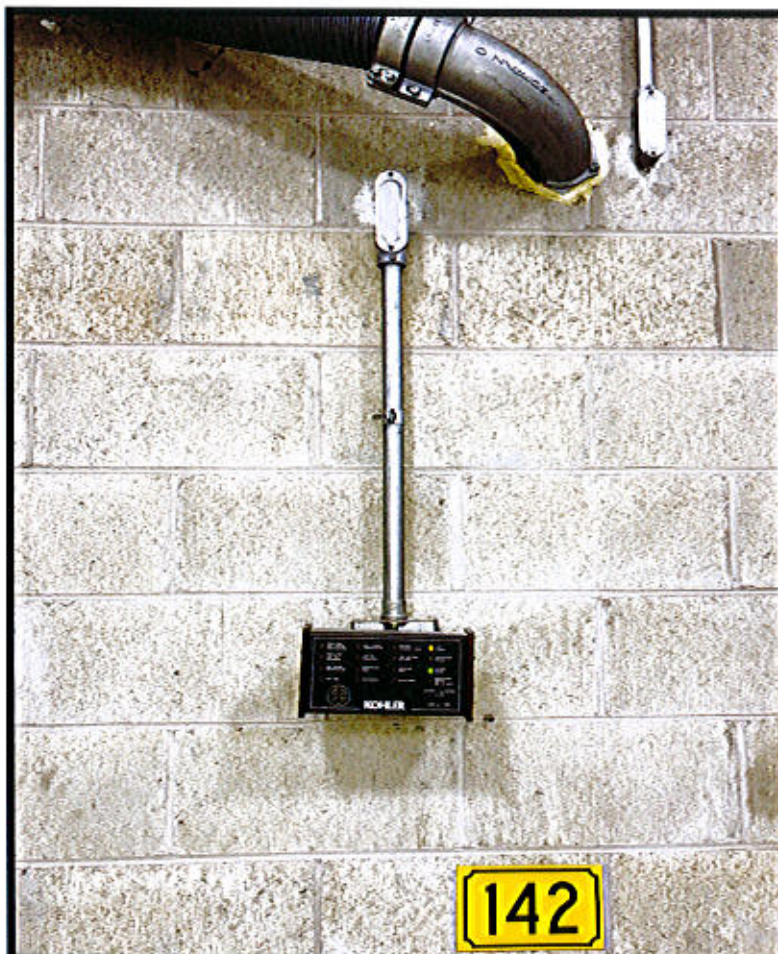


Photo 78.  
Rocky Hill Central Warehouse  
Facility – 600 Broad Street,  
Rocky Hill, CT.  
Generator Annunciator.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT



Photo 79.  
Rocky Hill Central Warehouse  
Facility – 600 Broad Street,  
Rocky Hill, CT.  
Electrical Room.



Photo 80.  
Rocky Hill Central Warehouse  
Facility – 600 Broad Street,  
Rocky Hill, CT.  
Generator Transfer.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT

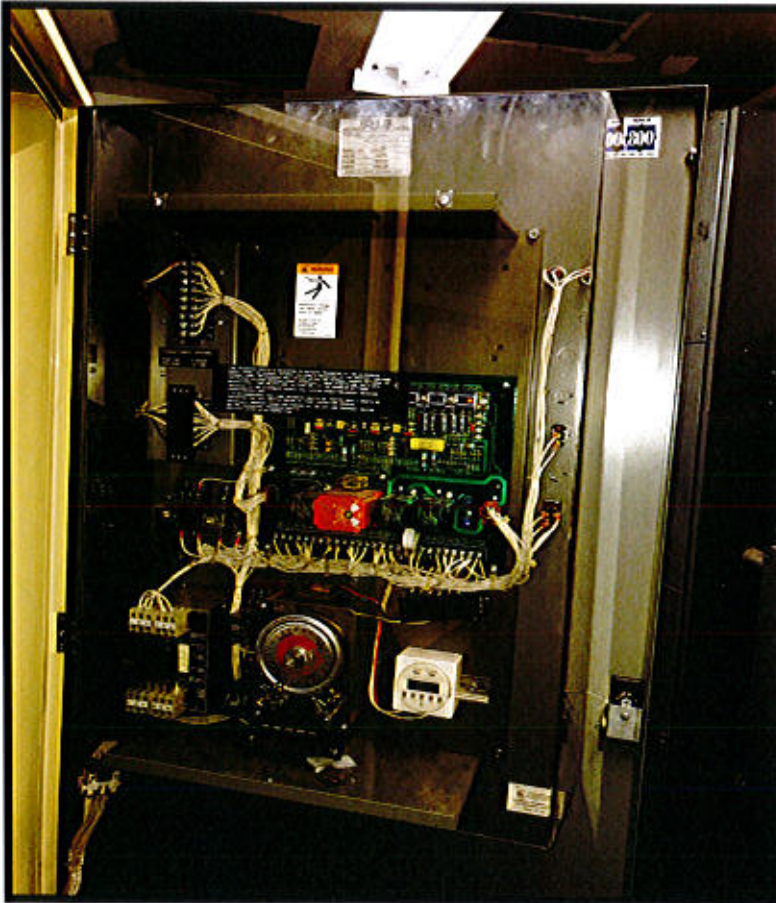


Photo 81.  
 Rocky Hill Central Warehouse  
 Facility – 600 Broad Street,  
 Rocky Hill, CT.  
 Inside Generator Transfer.

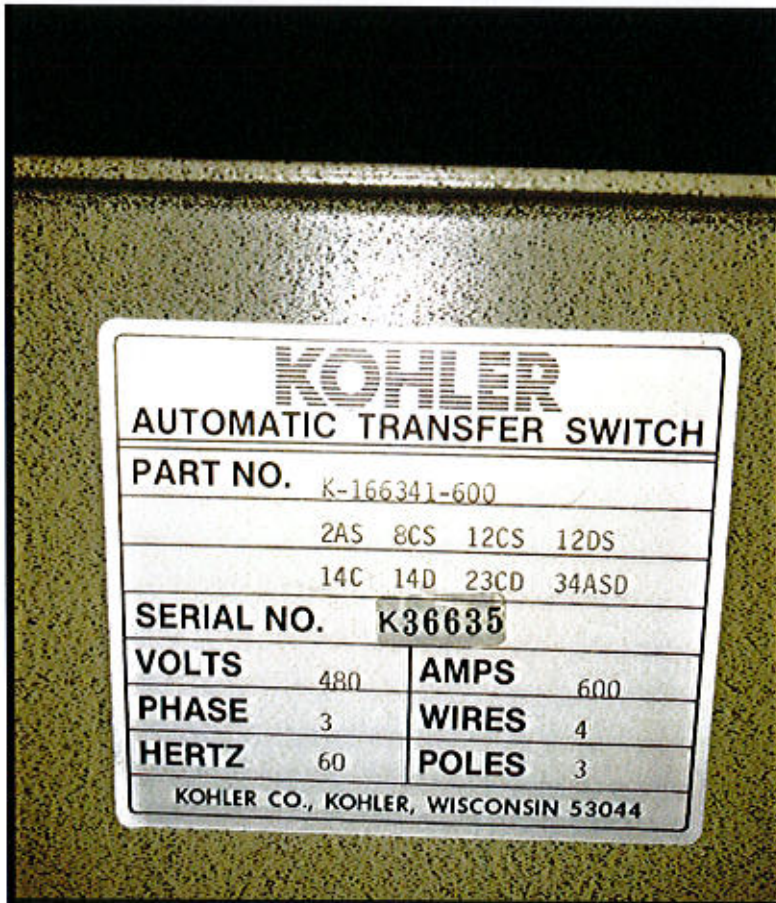


Photo 82.  
 Rocky Hill Central Warehouse  
 Facility – 600 Broad Street,  
 Rocky Hill, CT.  
 Transfer Label.

GENERATOR INSTALLATION REPLACEMENTS –  
 EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT



Photo 83.  
Rocky Hill Central Warehouse  
Facility – 600 Broad Street,  
Rocky Hill, CT.  
Generator Transfer.



Photo 84.  
Rocky Hill Central Warehouse  
Facility – 600 Broad Street,  
Rocky Hill, CT.  
Electrical Panel.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT



Photo 85.  
Rocky Hill Central Warehouse  
Facility – 600 Broad Street,  
Rocky Hill, CT.  
Electrical Panels.

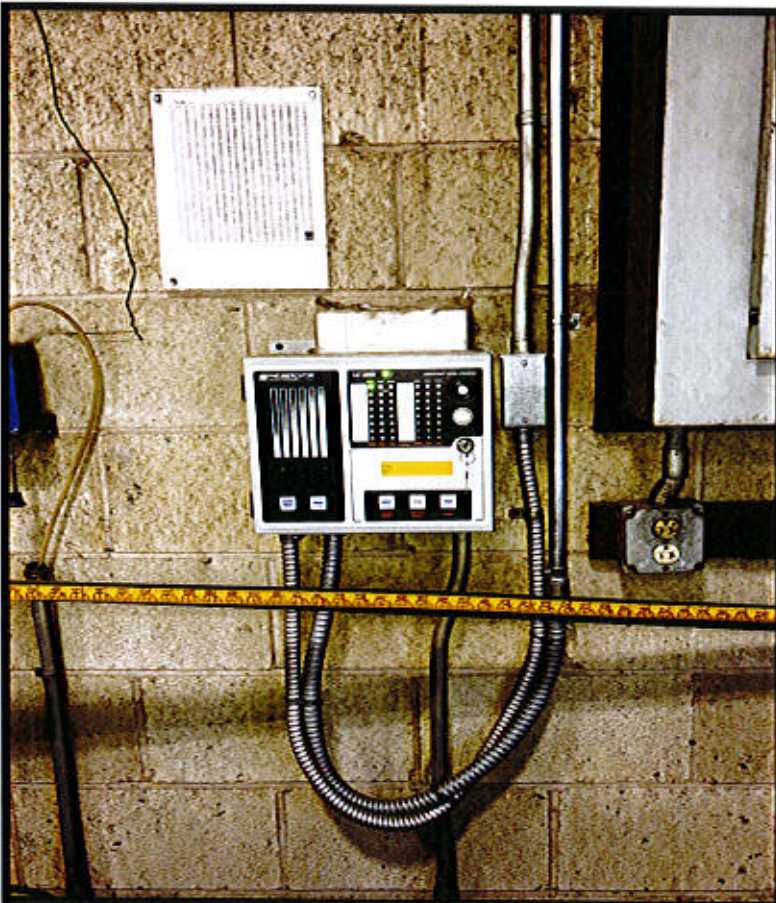


Photo 86.  
Rocky Hill Central Warehouse  
Facility – 600 Broad Street,  
Rocky Hill, CT.  
Tank Monitoring System.

GENERATOR INSTALLATION REPLACEMENTS –  
EAST HAVEN, EAST LYME, EAST WINDSOR, HADDAM, HARTFORD, MANSFIELD & ROCKY HILL, CT

**APPENDIX B**  
**SITE SKETCHES**

INSTALL 3/4" X 10' BURIED GROUND ROD AND BOND TO GENERATOR/ENCLOSURE USING #6 AWG BARE COPPER GND. BONDING TO GENERATOR PER MANUFACTURER'S RECOMMENDATIONS.

INSTALL BOLLARD (TYP.) SEE NOTE NO. 4

GENERATOR PAD SEE DETAIL NO.4 ON DRAWING NO. E-017

INSTALL EXPLOSION PROOF EY FITTING FOR TANK MONITORING CIRCUIT

INSTALL 50KW/75KVA, 3 PHASE, 120/208 VOLT DIESEL GENERATOR

THE GENERATOR SHALL BE FASTENED TO THE PAD PER MANUFACTURER'S REQUIREMENTS USING STAINLESS STEEL ANCHOR BOLTS.

REMOVE TREES/BUSHES, TRIM SHRUBS, AND TREE BRANCHES AS REQUIRED WITHIN THE AREA.

CONDUITS SHALL BE INSTALLED AROUND BOLLARD. SEE NOTE NO.4

INSTALL 5 WAY CONDUIT IN TRENCH:

- (1) 2" SCHEDULE 40 PVC CONDUIT (GENERATOR POWER TO ATS) WITH [(4) 1/0 AWG. AND (1) #6 AWG. GROUND]
- (1) 1" SCHEDULE 40 PVC CONDUIT (PB-M TO GENERATOR) WITH
  - (2) #10 AWG. AND (1) #10 AWG. GROUND (BATTERY CHARGER)
  - (2) #10 AWG. AND (1) #10 AWG. GROUND (BLOCK HEATER)
  - (2) #10 AWG. AND (1) #10 AWG. GROUND (SERVICE RECEPTACLE)
- (1) 3/4" SCHEDULE 40 PVC CONDUIT (ATS SIGNAL TO GENERATOR) WITH CONDUCTORS PER MANUFACTURER'S RECOMMENDATIONS
- (1) 3/4" SCHEDULE 40 PVC CONDUIT (GENERATOR TO ANNUNCIATOR) WITH CONDUCTORS PER MANUFACTURER'S RECOMMENDATIONS
- (1) 3/4" SCHEDULE 40 PVC CONDUIT (TMS TO GENERATOR TANK) WITH CONDUCTORS PER MANUFACTURER'S RECOMMENDATIONS

REPLACE EXISTING MDS WITH 600A, 3 PHASE, 120/208V MDS PANEL

REMOVE INTAKE SHAFT

REMOVE AND SALVAGE DIESEL TANK. REFER TO DRAWING NOTES NO.1

EXISTING TMS JUNCTION BOX/SPLICE POINT

EXISTING PANEL R

REMOVE INTAKE LOUVERS/ACCESSORIES

REMOVE GENERATOR/ASSOCIATED ACCESSORIES SEE DRAWING NOTES NO.2

REMOVE EXHAUST LOUVERS/ACCESSORIES

REMOVE EXISTING EXHAUST PIPING/MUFFLER

EXISTING COMMUNICATION EQUIPMENT

EXISTING FACP

EXISTING UTILITY METER/SOCKET

EXISTING PANEL E

EXISTING WIRING TROUGH/LIGHTING CONTACTORS

EXISTING PANEL PE

REPLACE EXISTING MDP WITH 600A, 3 PHASE, 120/208V MDP PANEL WITH 42 CIRCUITS

EXISTING BENCH

INSTALL SPD

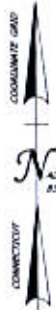
INSTALL 60 AMP FUSED DISCONNECT FOR SPD

REPLACE EXISTING ATS WITH 600A, 3 POLE, 120/208V, NEMA 1 ATS. THE BOTTOM OF THE ATS SHALL STANDOFF FROM THE FINISHED FLOOR.

*Check see to vapor barrier before install for cable*

*go through wall*

*Work with Liam per 0101143A*



**DRAWING NOTES:**

1. SALVAGE EXISTING DIESEL TANK AND ASSOCIATED COMPONENTS. REMOVE EXISTING PROBE CONDUCTORS TO THE TANK. FUEL SHALL BE SALVAGED AND DELIVERED TO DOT'S TRUMBULL. EXISTING PENETRATIONS FOR THE FUEL TANK VENT PIPING SHALL BE REPAIRED AND SEALED TO MATCH THE EXISTING WALL/CEILING. THE CONTRACTOR SHALL MATCH EXISTING WALL/CEILING USING COMPATIBLE MATERIALS AND ACCEPTABLE MEANS AND METHODS APPROVED BY THE ENGINEER.

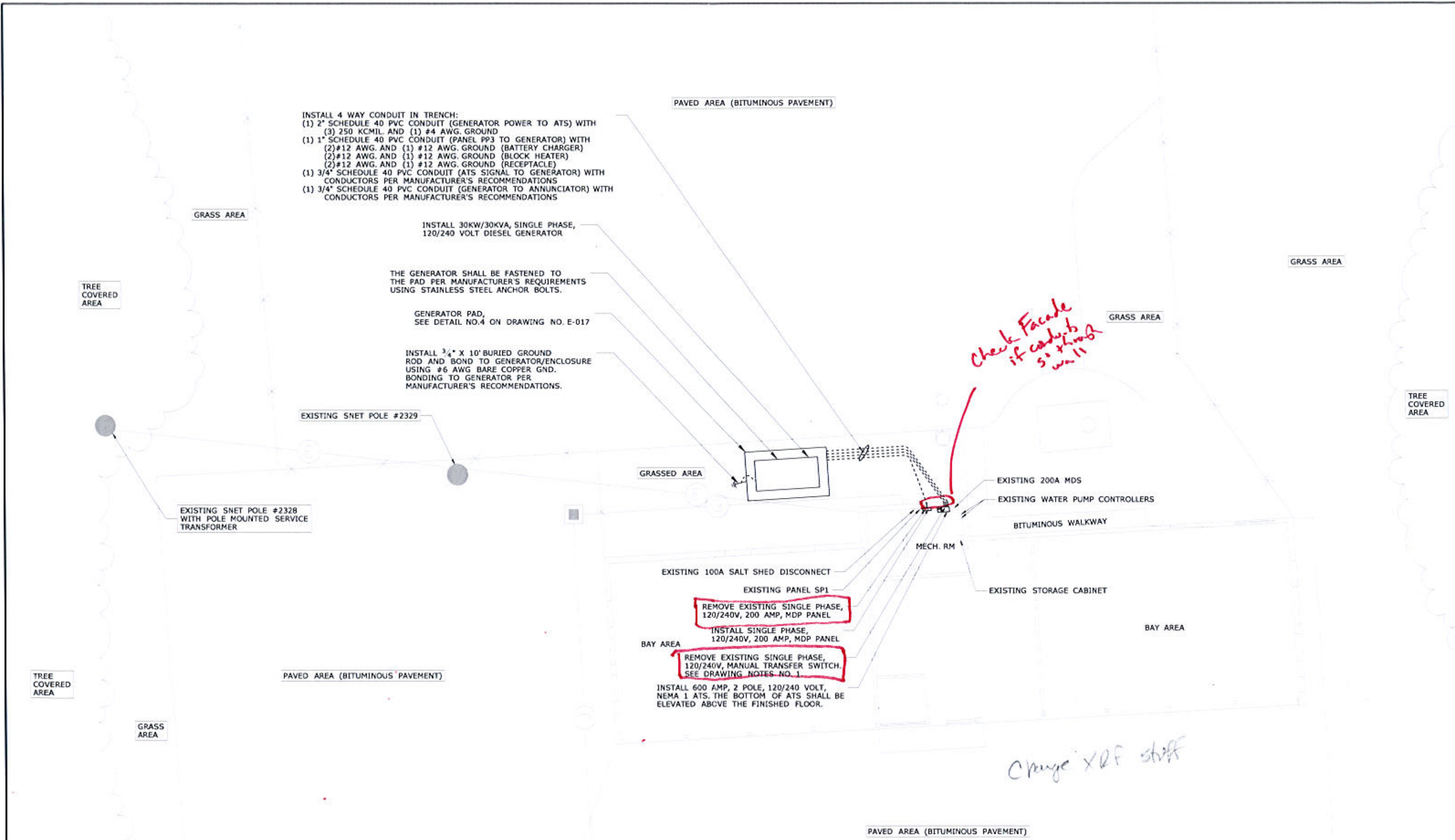
2. REMOVE THE EXISTING GENERATOR, ATS, BATTERY CHARGER, AND ALL ASSOCIATED COMPONENTS. REMOVE ALL EXISTING CONDUCTORS AND CUT CONDUIT TO FINISHED FLOOR. ALL EXISTING PENETRATIONS FOR THE GENERATOR EXHAUST, INTAKE, MOTORIZED LOUVERS SHALL BE REPAIRED AND SEALED TO MATCH THE EXISTING WALL/CEILING. THE CONTRACTOR SHALL MATCH EXISTING WALL/CEILING USING COMPATIBLE MATERIALS AND ACCEPTABLE MEANS AND METHODS APPROVED BY THE ENGINEER.

(GENERATOR/ATS TO REMOTE ANNUNCIATOR)  
(1) 3/4" SURFACE MOUNTED CONDUIT WITH CONDUCTORS PER MANUFACTURER'S RECOMMENDATIONS

FINAL DESIGN REVIEW

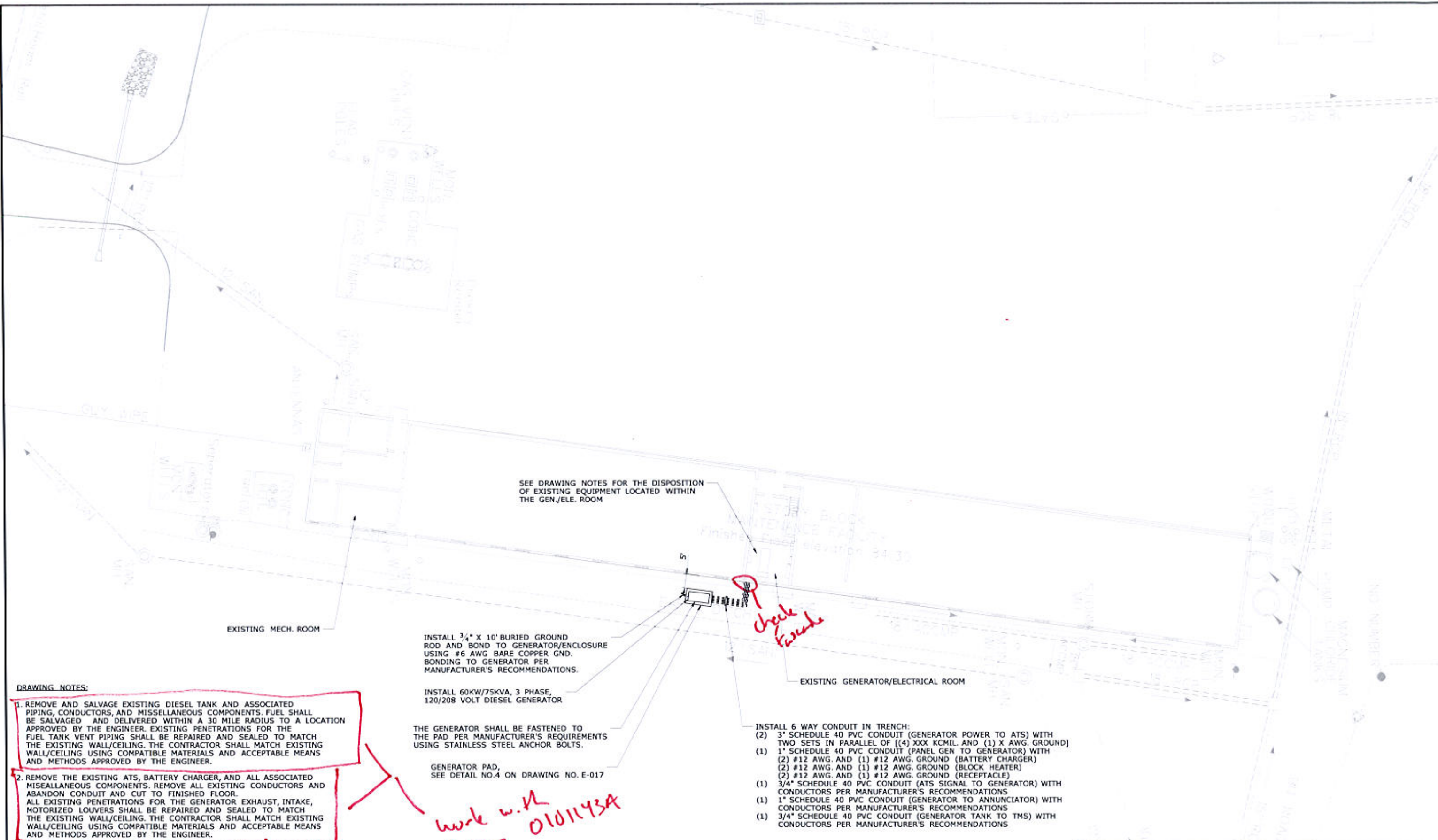
THE INFORMATION INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE QUANTITIES OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAWER: RR	 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	SIGNATURE/BLOCK: OFFICE OF ENGINEERING	PROJECT TITLE: FACILITIES GENERATOR REPLACEMENT	TOWN: EAST HAVEN	PROJECT NO: 170-3476
CHECKED BY: MPW	SCALE: 1" = 10'	APPROVED BY:		DRAWING TITLE: EAST HAVEN SITE PLAN	DRAWING NO.: -	SHEET NO.: -	
REV: _____ DATE: _____ REVISION DESCRIPTION: _____ SHEET NO.: _____ PLOTTED DATE: 10/27/2018	FILENAME: \\Generator Site Plan.dgn						





**FINAL DESIGN REVIEW**

DESIGNER/DRAWER: RR CHECKED BY: MPW SCALE: 1" = 10' PLOTTED DATE: 10/18/2018		<b>STATE OF CONNECTICUT</b> <b>DEPARTMENT OF TRANSPORTATION</b> FILENAME: ...Design Files/Site Plan.dgn		SIGNATURE/BLOCK: <b>OFFICE OF ENGINEERING</b> APPROVED BY:		PROJECT TITLE: <b>FACILITIES GENERATOR REPLACEMENT</b>		TOWN: <b>EAST LYME</b>		PROJECT NO. <b>170-3476</b>	
THE INFORMATION INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.						DRAWING TITLE: <b>EAST LYME SITE PLAN/FLOOR PLAN</b>		DRAWING NO. -		SHEET NO.	



**DRAWING NOTES:**

1. REMOVE AND SALVAGE EXISTING DIESEL TANK AND ASSOCIATED PIPING, CONDUCTORS, AND MISCELLANEOUS COMPONENTS. FUEL SHALL BE SALVAGED AND DELIVERED WITHIN A 30 MILE RADIUS TO A LOCATION APPROVED BY THE ENGINEER. EXISTING PENETRATIONS FOR THE FUEL TANK VENT PIPING SHALL BE REPAIRED AND SEALED TO MATCH THE EXISTING WALL/CEILING. THE CONTRACTOR SHALL MATCH EXISTING WALL/CEILING USING COMPATIBLE MATERIALS AND ACCEPTABLE MEANS AND METHODS APPROVED BY THE ENGINEER.
2. REMOVE THE EXISTING ATS, BATTERY CHARGER, AND ALL ASSOCIATED MISCELLANEOUS COMPONENTS. REMOVE ALL EXISTING CONDUCTORS AND ABANDON CONDUIT AND CUT TO FINISHED FLOOR. ALL EXISTING PENETRATIONS FOR THE GENERATOR EXHAUST, INTAKE, MOTORIZED LOUVERS SHALL BE REPAIRED AND SEALED TO MATCH THE EXISTING WALL/CEILING. THE CONTRACTOR SHALL MATCH EXISTING WALL/CEILING USING COMPATIBLE MATERIALS AND ACCEPTABLE MEANS AND METHODS APPROVED BY THE ENGINEER.
3. REMOVE AND SALVAGE THE EXISTING GENERATOR.

INSTALL 3/4" X 10' BURIED GROUND ROD AND BOND TO GENERATOR/ENCLOSURE USING #6 AWG BARE COPPER GND. BONDING TO GENERATOR PER MANUFACTURER'S RECOMMENDATIONS.

INSTALL 60KW/75KVA, 3 PHASE, 120/208 VOLT DIESEL GENERATOR

THE GENERATOR SHALL BE FASTENED TO THE PAD PER MANUFACTURER'S REQUIREMENTS USING STAINLESS STEEL ANCHOR BOLTS.

GENERATOR PAD, SEE DETAIL NO.4 ON DRAWING NO. E-017

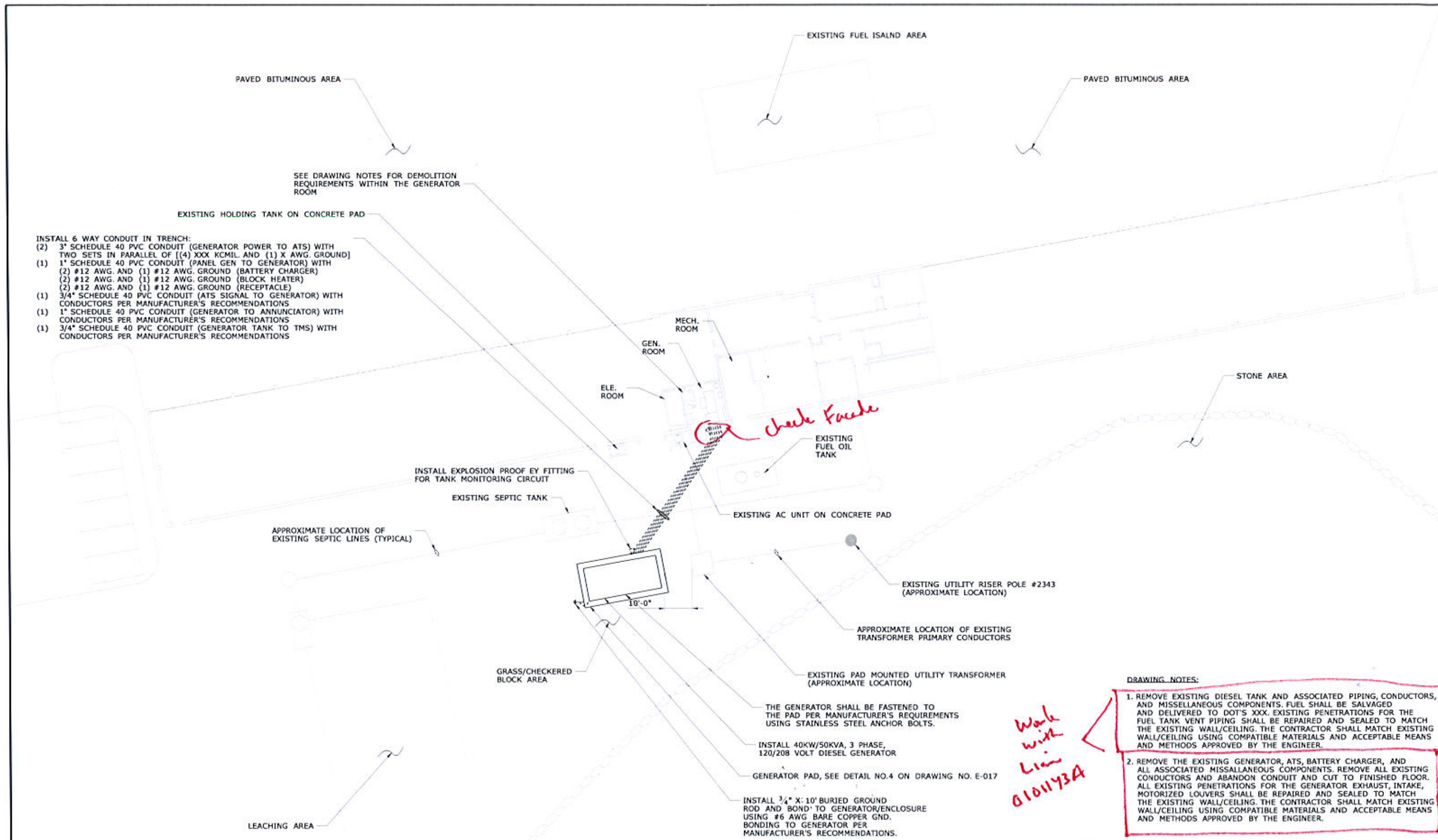
- INSTALL 6 WAY CONDUIT IN TRENCH:
- (2) 3" SCHEDULE 40 PVC CONDUIT (GENERATOR POWER TO ATS) WITH TWO SETS IN PARALLEL OF ((4) XXX KCMIL AND (1) X AWG. GROUND)
  - (1) 1" SCHEDULE 40 PVC CONDUIT (PANEL GEN TO GENERATOR) WITH (2) #12 AWG. AND (1) #12 AWG. GROUND (BATTERY CHARGER)
  - (2) #12 AWG. AND (1) #12 AWG. GROUND (BLOCK HEATER)
  - (2) #12 AWG. AND (1) #12 AWG. GROUND (RECEPTACLE)
  - (1) 3/4" SCHEDULE 40 PVC CONDUIT (ATS SIGNAL TO GENERATOR) WITH CONDUCTORS PER MANUFACTURER'S RECOMMENDATIONS
  - (1) 1" SCHEDULE 40 PVC CONDUIT (GENERATOR TO ANNUNCIATOR) WITH CONDUCTORS PER MANUFACTURER'S RECOMMENDATIONS
  - (1) 3/4" SCHEDULE 40 PVC CONDUIT (GENERATOR TANK TO TMS) WITH CONDUCTORS PER MANUFACTURER'S RECOMMENDATIONS

*work w. H  
Liam 0101143A*

*check forward*

**FINAL DESIGN REVIEW**

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.			DESIGNER/DRAWER: RR CHECKED BY: MPW SCALE: 3/16" = 1'-0"	<b>STATE OF CONNECTICUT</b> <b>DEPARTMENT OF TRANSPORTATION</b>	SIGNATURE/BLOCK: <b>OFFICE OF ENGINEERING</b> APPROVED BY:	PROJECT TITLE: <b>FACILITIES GENERATOR REPLACEMENT</b>	TOWN: <b>EAST WINDSOR</b>	PROJECT NO. <b>170-3476</b>
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 10/10/2018	Filename: ...Design Files\Sta Plan.dgn	DRAWING TITLE: <b>EAST WINDSOR SITE PLAN</b>		DRAWING NO. SHEET NO.



**DRAWING NOTES:**

1. REMOVE EXISTING DIESEL TANK AND ASSOCIATED PIPING, CONDUCTORS, AND MISCELLANEOUS COMPONENTS. FUEL SHALL BE SALVAGED AND DELIVERED TO DOT'S XXX. EXISTING PENETRATIONS FOR THE FUEL TANK VENT PIPING SHALL BE REPAIRED AND SEALED TO MATCH THE EXISTING WALL/CEILING. THE CONTRACTOR SHALL MATCH EXISTING WALL/CEILING USING COMPATIBLE MATERIALS AND ACCEPTABLE MEANS AND METHODS APPROVED BY THE ENGINEER.
2. REMOVE THE EXISTING GENERATOR, ATS, BATTERY CHARGER, AND ALL ASSOCIATED MISCELLANEOUS COMPONENTS. REMOVE ALL EXISTING CONDUCTORS AND ABANDON CONDUIT AND CUT TO FINISHED FLOOR. ALL EXISTING PENETRATIONS FOR THE GENERATOR EXHAUST, INTAKE, MOTORIZED LOUVERS SHALL BE REPAIRED AND SEALED TO MATCH THE EXISTING WALL/CEILING. THE CONTRACTOR SHALL MATCH EXISTING WALL/CEILING USING COMPATIBLE MATERIALS AND ACCEPTABLE MEANS AND METHODS APPROVED BY THE ENGINEER.

**FINAL DESIGN REVIEW**

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: RR CHECKED BY: MPW SCALE: 1/16" = 1'-0"	<b>STATE OF CONNECTICUT</b> <b>DEPARTMENT OF TRANSPORTATION</b>	SIGNATURE/BLOCK:  <b>OFFICE OF ENGINEERING</b> APPROVED BY:	PROJECT TITLE:  <b>FACILITIES GENERATOR REPLACEMENT</b>	TOWN:  <b>HADDAM</b>	PROJECT NO.  <b>170-3476</b>
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 10/10/2018	Filename: ...Design Files/Site Plan.dgn	DRAWING TITLE:  <b>HADDAM SITE PLAN/ FLOOR PLAN</b>	DRAWING NO. - SHEET NO.

EXISTING PAD MOUNTED XFMR

INSTALL 60KW/75KVA, 3 PHASE,  
120/208 VOLT NATURAL GAS  
GENERATOR

INSTALL AND CONNECT A #6 AWG. BARE COPPER GND.  
CONDUCTOR TO THE EXISTING GROUND ROD AND  
BOND TO THE GENERATOR/ENCLOSURE PER  
MANUFACTURER'S RECOMMENDATIONS.

REUSE EXISTING 5 WAY CONDUIT IN TRENCH:  
3' CONDUIT (GENERATOR POWER TO ATS) WITH  
(3) XXX KCMIL AND (1) #X AWG. GROUND  
1 1/2" CONDUIT (PANEL PPI TO GENERATOR) WITH  
(2)#12 AWG. AND (1) #12 AWG. GROUND (BATTERY CHARGER)  
(2)#12 AWG. AND (1) #12 AWG. GROUND (BLOCK HEATER)  
(2)#12 AWG. AND (1) #12 AWG. GROUND (RECEPTACLE)  
1" CONDUIT (ATS SIGNAL TO GENERATOR) WITH  
CONDUCTORS PER MANUFACTURER'S RECOMMENDATIONS  
3/4" CONDUIT (GENERATOR TO ANNUNCIATOR) WITH  
CONDUCTORS PER MANUFACTURER'S RECOMMENDATIONS

EXISTING 600A ATS SHALL REMAIN  
TO BE RECONNECTED TO THE  
PROPOSED GENERATOR  
EXISTING ATC WORKSTATION

ELECTRICAL ROOM

EXISTING BOLLARDS TO REMAIN (TYPICAL)

REPAIR BITUMINOUS AREA IN KIND IF  
DISTURBED BY WORK

THE GENERATOR SHALL BE FASTENED TO  
THE PAD PER MANUFACTURER'S REQUIREMENTS  
USING STAINLESS STEEL ANCHOR BOLTS.

EXISTING GENERATOR PAD, CONDUITS, AND BURIED GROUND ROD TO REMAIN.

APPROXIMATE LOCATION OF EXISTING CONDUITS.  
THE CONTRACTOR SHALL FIELD VERIFY.

EXISTING 600A MDS  
EXISTING SPD  
EXISTING 600A MDP


EXISTING PANELS  
EXISTING BAS EQUIPMENT  
EXISTING COMMUNICATION EQUIPMENT

DRAWING NOTES:

1. REMOVE THE EXISTING GENERATOR, BATTERY CHARGER, AND ALL ASSOCIATED MISCELLANEOUS COMPONENTS. REMOVE ALL EXISTING CONDUITS AND ABANDON CONDUITS TO BE REUSED DURING THE REINSTALLATION OF THE PROPOSED GENERATOR.

*Work with Lin 010115A*

FINAL DESIGN REVIEW

THE INFORMATION INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAFTER: RR CHECKED BY: MPW SCALE: 1" = 10' Plotted Date: 10/17/2018	 <b>STATE OF CONNECTICUT</b> <b>DEPARTMENT OF TRANSPORTATION</b>	SIGNATURE/BLOCK:  APPROVED BY:  <b>OFFICE OF ENGINEERING</b>	PROJECT TITLE:  <b>FACILITIES GENERATOR REPLACEMENT</b>	TOWN:  <b>HARTFORD</b>	PROJECT NO.  <b>170-3476</b>
REV	DATE	REVISION DESCRIPTION	SHEET NO.	DRAWING TITLE:  <b>HARTFORD SITE PLAN/FLOOR PLAN</b>		DRAWING NO.  -	SHEET NO.  -

EXISTING UTILITY SERVICE POLE #3973

INSTALL 5 WAY CONDUIT IN TRENCH:

- (1) 3" SCHEDULE 80 PVC CONDUIT (GENERATOR POWER TO ATS) WITH TWO SETS IN PARALLEL OF [(4) XXX KCMIL AND (1) X AWG. GROUND]
- (1) 1" SCHEDULE 80 PVC CONDUIT (PANEL ELP-1A TO GENERATOR) WITH (2) #12 AWG. AND (1) #12 AWG. GROUND (BATTERY CHARGER)
- (2) #12 AWG. AND (1) #12 AWG. GROUND (BLOCK HEATER)
- (2) #12 AWG. AND (1) #12 AWG. GROUND (RECEPTACLE)
- (1) 3/4" SCHEDULE 80 PVC CONDUIT (ATS SIGNAL TO GENERATOR) WITH CONDUCTORS PER MANUFACTURER'S RECOMMENDATIONS
- (1) 1" SCHEDULE 80 PVC CONDUIT (GENERATOR TO ANNUNCIATOR) WITH CONDUCTORS PER MANUFACTURER'S RECOMMENDATIONS
- (1) 3/4" SCHEDULE 80 PVC CONDUIT (TMS TO GENERATOR TANK) WITH CONDUCTORS PER MANUFACTURER'S RECOMMENDATIONS

REMOVE EXISTING GENERATOR, CONCRETE PAD, AND ALL CONDUIT/CONDUCTORS

INSTALL 40KW/50KVA, 3 PHASE, 120/208 VOLT DIESEL GENERATOR

GENERATOR PAD, SEE DETAIL NO.4 ON DRAWING NO. E-017

REMOVE EXISTING PROPANE TANK

(GRASS AREA)

THE GENERATOR SHALL BE FASTENED TO THE PAD PER MANUFACTURER'S REQUIREMENTS USING STAINLESS STEEL ANCHOR BOLTS.

INSTALL 3/4" X 10' BURIED GROUND ROD AND BOND TO GENERATOR/ENCLOSURE USING #6 AWG BARE COPPER GND. BONDING TO GENERATOR PER MANUFACTURER'S RECOMMENDATIONS.



JET HANGER SHED

DRAWING NOTES:

1. REMOVE THE EXISTING GENERATOR, ATS, BATTERY CHARGER, AND ALL ASSOCIATED MISCELLANEOUS COMPONENTS. REMOVE ALL EXISTING CONDUCTORS AND ABANDON CONDUIT AND CUT TO FINISHED FLOOR. ALL EXISTING PENETRATIONS FOR THE GENERATOR EXHAUST, INTAKE, MOTORIZED LOUVERS SHALL BE REPAIRED AND SEALED TO MATCH THE EXISTING WALL/CEILING. THE CONTRACTOR SHALL MATCH EXISTING WALL/CEILING USING COMPATIBLE MATERIALS AND ACCEPTABLE MEANS AND METHODS APPROVED BY THE ENGINEER.

*Tree w.r. Liam 01/17/2018*

FINAL DESIGN REVIEW

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAWER: RR CHECKED BY: MPW SCALE AS NOTED	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION FILENAME: ...Design Plans\Site Plan.dgn	SIGNATURE/BLOCK: OFFICE OF ENGINEERING APPROVED BY:	PROJECT TITLE: <b>FACILITIES GENERATOR REPLACEMENT</b>	TOWN: <b>MANSFIELD</b>	PROJECT NO. <b>170-3476</b>
REV. DATE	REVISION DESCRIPTION	SHEET NO.	Printed Date: 10/10/2018			DRAWING TITLE: <b>MANSFIELD SITE PLAN</b>	DRAWING NO. SHEET NO.

*\*Change XRF info\**

POND

- INSTALL 6 WAY CONDUIT IN TRENCH:  
 (2) 3" SCHEDULE 80 PVC CONDUIT (GENERATOR POWER TO ATS) WITH TWO SETS IN PARALLEL OF [(4) XXX KCMIL AND (1) X AWG. GROUND]  
 (1) 1" SCHEDULE 80 PVC CONDUIT (PANEL ELP-1A TO GENERATOR) WITH  
 (2) #12 AWG. AND (1) #12 AWG. GROUND (BATTERY CHARGER)  
 (2) #12 AWG. AND (1) #12 AWG. GROUND (BLOCK HEATER)  
 (2) #12 AWG. AND (1) #12 AWG. GROUND (RECEPTACLE)  
 (1) 3/4" SCHEDULE 80 PVC CONDUIT (ATS SIGNAL TO GENERATOR) WITH CONDUCTORS PER MANUFACTURER'S RECOMMENDATIONS  
 (1) 1" SCHEDULE 80 PVC CONDUIT (GENERATOR TO ANNUNCIATOR & GENERATOR TO BAS) WITH CONDUCTORS PER MANUFACTURER'S RECOMMENDATIONS AND BAS CONDUCTORS PER TRANE'S RECOMMENDATIONS  
 (1) 3/4" SCHEDULE 80 PVC CONDUIT (TMS TO GENERATOR TANK) WITH CONDUCTORS PER MANUFACTURER'S RECOMMENDATIONS

GENERATOR PAD SEE DETAIL NO.4 ON DRAWING NO. E-017

INSTALL 3/4" X 10' BURIED GROUND ROD AND BOND TO GENERATOR/ENCLOSURE USING #6 AWG BARE COPPER GND. BONDING TO GENERATOR PER MANUFACTURER'S RECOMMENDATIONS.

REMOVE THE EXISTING UNDERGROUND GENERATOR FUEL TANK. INFILL AND REPAIR AREA IN KIND.

*? by who  
TRC Liam*

EXISTING PAD MOUNTED XFMR

EXISTING ELECTRICAL ROOM

EXISTING AC UNIT ON CONCRETE PAD

INSTALL XXXKW/XXXKVA, 3 PHASE, 277/480 VOLT DIESEL GENERATOR

THE GENERATOR SHALL BE FASTENED TO THE PAD PER MANUFACTURER'S REQUIREMENTS USING STAINLESS STEEL ANCHOR BOLTS.

(GRASS AREA)

REMOVE EXISTING GENERATOR, CONCRETE PAD, DAY TANK, ACCESSORIES AND ALL CONDUIT/CONDUCTORS. LEVEL AREA IN PREPERATION FOR THE NEW CONCRETE PAD.

INSTALL EXPLOSION PROOF EY FITTING FOR TANK MONITORING CIRCUIT

CENTRAL WAREHOUSE

EXISTING METAL BUILDING

FINAL DESIGN REVIEW

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.		DESIGNER/DRAWN: RR CHECKED BY: MPW SCALE IN FEET  SCALE 1"=20'	 STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION Filename: ...Design Files\Site Plan.dgn	SIGNATURE/BLOCK: <b>OFFICE OF ENGINEERING</b> APPROVED BY:	PROJECT TITLE: <b>FACILITIES GENERATOR REPLACEMENT</b>	TOWN: <b>ROCKY HILL</b>	PROJECT NO. <b>170-3476</b>
REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 10/10/2018	DRAWING TITLE: <b>ROCKY HILL SITE PLAN</b>		DRAWING NO. - SHEET NO.

**APPENDIX C**

**TRC INSPECTORS LICENSES/CERTIFICATIONS**

1001954 01 AB 0105 11A110 13 041864 16062-293844 .CD1-PX0136-1



HILTON HERNANDEZ  
144 LAUREL CT  
PLAINVILLE CT 06062-2938



Dear HILTON HERNANDEZ,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

Department of Public Health  
P.O. Box 340308  
M.S.#12MQA  
Hartford, CT 06134-0308

(860) 509-7603  
oplc.dph@ct.gov  
www.ct.gov/dph/license

Sincerely,

RAUL PINO, MD, MPH, COMMISSIONER  
DEPARTMENT OF PUBLIC HEALTH

EMPLOYER'S COPY  
STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

NAME  
HILTON HERNANDEZ

VALIDATION NO. 03-663321  
CERTIFICATE NO. 000424  
CURRENT THROUGH 01/31/19

PROFESSION  
ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE COMMISSIONER

INSTRUCTIONS:

1. Detach and sign ends of the cards on this form.
2. Display the large card in a prominent place in your office or place of business.
3. File in the card in for you to carry on your person. If you do not wish to carry the mailed card, place it in a secure place.
4. The employer's copy is for persons who must demonstrate current licensure/qualification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT  
THE INDIVIDUAL NAMED BELOW IS CERTIFIED  
BY THIS DEPARTMENT AS A  
ASBESTOS CONSULTANT-INSPECTOR

HILTON HERNANDEZ

CERTIFICATE NO. 000424  
CURRENT THROUGH 01/31/19  
VALIDATION NO. 03-663321

SIGNATURE COMMISSIONER

www.ct.gov/dph/license at 0000001-CD1-0100101-0684-0096



# CERTIFICATE OF ACHIEVEMENT

*This certifies that*

**Hilton Hernandez**

*has successfully completed the*  
**Asbestos Site Inspector Refresher Training  
Asbestos Accreditation Under TSCA Title II  
40 CFR Part 763**

*conducted by*

**ATC Group Services LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070**

*Gregory Morsch*

Principal Instructor: Gregory Morsch

January 18, 2018

Date of Course

January 18, 2019

Expiration Date

*Gregory Morsch*

Regional Training Manager: Gregory Morsch

SLAR-5917

Certificate Number

January 18, 2018

Examination Date

1001212 01 AB 0.405 \*\*AUTO T3 0 1264 06095-159071 -CD1-P01215-1



HILTON HERNANDEZ  
TRC SOLUTIONS  
21 GRIFFIN RD N  
WINDSOR CT 06095-1590



Dear HILTON HERNANDEZ,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

Department of Public Health  
P.O. Box 340308  
M.S.#12MQA  
Hartford, CT 06134-0308

(860) 589-7603  
oplc.dph@ct.gov  
www.ct.gov/dph/license

Sincerely,

RAUL PIND, MD, MPH, COMMISSIONER  
DEPARTMENT OF PUBLIC HEALTH

EMPLOYER'S COPY

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

NAME  
HILTON HERNANDEZ

CERTIFICATE NO. 002231 CURRENT THROUGH 01/31/19

PROFESSION  
LEAD INSPECTOR RISK ASSESSOR

COMMISSIONER

STATE OF CONNECTICUT  
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS CERTIFIED  
BY THIS DEPARTMENT AS A  
LEAD INSPECTOR RISK ASSESSOR

HILTON HERNANDEZ

CERTIFICATE NO.  
002231

CURRENT THROUGH  
01/31/19

VALIDATION NO.  
03-690407

COMMISSIONER

INSTRUCTIONS:

1. Detach and sign each of the cards on this form.
2. Display the logo card in a prominent place in your office or place of business.
3. The wallet card is for you to carry on your person. If you do not wish to carry the wallet card, place it in a secure place.
4. The employer's copy is for persons who must demonstrate current licensure/certification in order to retain employment or privileges. The employer's card is to be presented to the employer and kept by them as a part of your personnel file. Only one copy of this card can be supplied to you.

1001212-0001212-00010001 of 000000 -CD1-81608 10-1-1264-01218

# CERTIFICATE OF ACHIEVEMENT

This certifies that

**Hilton Hernandez**  
144 Laurel Court, Plainville, CT 06062

has successfully completed the  
**EPA Model Lead Risk Assessor Refresher Training**  
745.225 (c) (8) (i)

conducted by  
ATC Group Services LLC  
73 William Franks Drive  
West Springfield, MA 01089  
(413) 781-0070



*Neel B. Freuden*

Principal Instructor: Neel Freuden

December 8, 2017

Date of Course

December 8, 2017

Exam Date

*Gregory Morach*

Regional Training Director: Gregory Morach

ELRAR-751

Certificate Number

## **APPENDIX D**

### **LABORATORY ACCREDITATIONS**

# State of Connecticut, Department of Public Health

## Approved Environmental Laboratory

THIS IS TO CERTIFY THAT THE LABORATORY DESCRIBED BELOW HAS BEEN APPROVED BY THE STATE DEPARTMENT OF PUBLIC HEALTH PURSUANT TO APPLICABLE PROVISIONS OF THE PUBLIC HEALTH CODE AND GENERAL STATUTES OF CONNECTICUT, FOR MAKING THE EXAMINATIONS, DETERMINATIONS OR TESTS SPECIFIED BELOW WHICH HAVE BEEN AUTHORIZED IN WRITING BY THAT DEPARTMENT.

### TRC ENVIRONMENTAL CORPORATION

LOCATED AT 21 Griffin Road North IN Windsor, CT 06095  
AND REGISTERED IN THE NAME OF Erik Plimpton

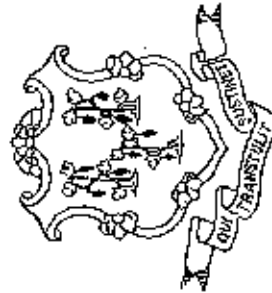
THIS CERTIFICATE IS ISSUED IN THE NAME OF Kathleen Williamson WHO HAS BEEN DESIGNATED  
BY THE REGISTERED OWNER/AUTHORIZED AGENT TO BE IN CHARGE OF THE LABORATORY WORK COVERED BY THIS CERTIFICATE OF  
APPROVAL AS FOLLOWS:

BUILDING MATERIALS  
ASBESTOS FIBERS - PCM  
BULK IDENTIFICATION - PLM

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

EFFECTIVE RENEWAL DATE JANUARY 1, 2018

THIS CERTIFICATE EXPIRES DECEMBER 31, 2019 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH  
DATED AT HARTFORD, CONNECTICUT, THIS 19<sup>th</sup> DAY OF December, 2017

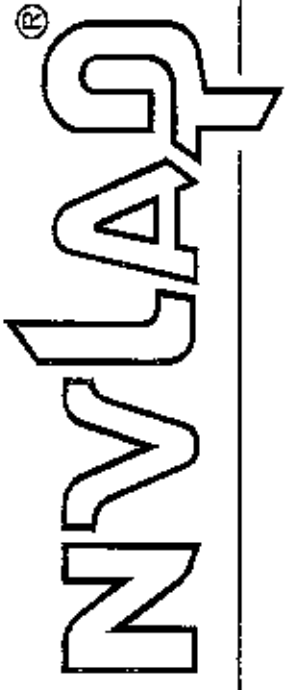


Registration  
No.

PE-0426

SUZANNE BLANCAFLOR, MS, MPH  
CHIEF, ENVIRONMENTAL HEALTH SECTION

United States Department of Commerce  
National Institute of Standards and Technology



---

# Certificate of Accreditation to ISO/IEC 17025:2005

---

NVLAP LAB CODE: 101424-0

**TRC Environmental Corporation**  
Windsor, CT

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:

**Asbestos Fiber Analysis**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

---

2018-07-01 through 2019-06-30  
Effective Dates

A handwritten signature in black ink, which appears to read "Peter S. Haman".

---

For the National Voluntary Laboratory Accreditation Program



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005**

**TRC Environmental Corporation**  
21 Griffin Road North  
Windsor, CT 06095  
Ms. Kathleen Williamson  
Phone: 860-298-6392 Fax: 860-298-6214  
Email: [kwilliamson@tresolutions.com](mailto:kwilliamson@tresolutions.com)  
<http://www.trcsolutions.com>

**ASBESTOS FIBER ANALYSIS**

**NVLAP LAB CODE 101424-0**

**Bulk Asbestos Analysis**

<u>Code</u>	<u>Description</u>
18/A01	EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

A handwritten signature in black ink, appearing to read "Kathleen Williamson".

For the National Voluntary Laboratory Accreditation Program

# State of Connecticut, Department of Public Health

## Approved Environmental Laboratory

THIS IS TO CERTIFY THAT THE LABORATORY DESCRIBED BELOW HAS BEEN APPROVED BY THE STATE DEPARTMENT OF PUBLIC HEALTH PURSUANT TO APPLICABLE PROVISIONS OF THE PUBLIC HEALTH CODE AND GENERAL STATUTES OF CONNECTICUT, FOR MAKING THE EXAMINATIONS, DETERMINATIONS OR TESTS SPECIFIED BELOW WHICH HAVE BEEN AUTHORIZED IN WRITING BY THAT DEPARTMENT.

### PROSCIENCE ANALYTICAL SERVICES, INC.

LOCATED AT 22 Cummings Park IN Woburn, MA 01801  
AND REGISTERED IN THE NAME OF Harvey Yee  
THIS CERTIFICATE IS ISSUED IN THE NAME OF Aimee Cormier WHO HAS BEEN DESIGNATED  
BY THE REGISTERED OWNER/AUTHORIZED AGENT TO BE IN CHARGE OF THE LABORATORY WORK COVERED BY THIS CERTIFICATE OF  
APPROVAL AS FOLLOWS:

#### SOLID WASTE/SOIL

Examination for:  
Total Metals

#### ASBESTOS

Bulk Identification (PLM + TEM)  
Air-Fiber Counting (PCM + TEM)

#### ENVIRONMENTAL HEALTH & HOUSING

Lead In Paint  
Lead (Paint) in Soil  
Lead in Dust Wipes

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

THIS CERTIFICATE EXPIRES December 31, 2018 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH  
DATED AT HARTFORD, CONNECTICUT, THIS 29th November 2016

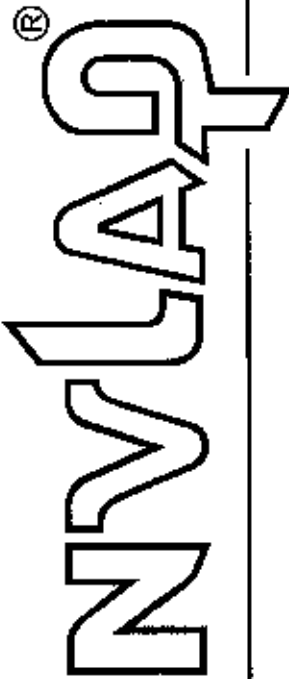


Registration #  
PH-0209

SUZANNE-BLANCAFLOR, MS  
CHIEF, ENVIRONMENTAL HEALTH SECTION



United States Department of Commerce  
National Institute of Standards and Technology



---

# Certificate of Accreditation to ISO/IEC 17025:2005

---

NVLAP LAB CODE: 200090-0

**ProScience Analytical Services, Inc.**  
Woburn, MA

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:

**Asbestos Fiber Analysis**

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2018-01-01 through 2018-12-31

Effective Dates

A handwritten signature in black ink, which appears to read "John S. Luman".

For the National Voluntary Laboratory Accreditation Program



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005**

**ProScience Analytical Services, Inc.**

22 Cummings Park

Woburn, MA 01801-2122

Ms. Aimee Cormier

Phone: 781-935-3212 Fax: 781-932-4857

Email: [aimee.cormier@proscience.net](mailto:aimee.cormier@proscience.net)

<http://www.proscience.net>

**ASBESTOS FIBER ANALYSIS**

**NVLAP LAB CODE 200090-0**

**Bulk Asbestos Analysis**

<u>Code</u>	<u>Description</u>
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

**Airborne Asbestos Analysis**

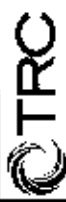
<u>Code</u>	<u>Description</u>
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

A handwritten signature in black ink, appearing to read "Daniel S. Lerman".

For the National Voluntary Laboratory Accreditation Program

**APPENDIX E**

**ASBESTOS BULK SAMPLE  
CHAIN OF CUSTODY FORMS**



21 GRIFFIN ROAD NORTH  
WINDSOR, CONNECTICUT 06095  
TELEPHONE (860) 298-9692  
FAX (860) 298-6380

# ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

LAB ID # **53141**

PROJECT NUMBER			PROJECT NAME			PARAMETERS					TURNAROUND TIME					
20917 222H65-5745-00710			ConnDOT East Haven Repair Facility, 2100 North High Street, East Haven, CT			ANALYZE BY LAYER POINT COUNT (IF >1% & <10%) (IF PPM NEG) (IF PPM NEG)					8hr X 24hr 48hr 3day 5day					
SIGNATURE			INSPECTOR			PLM EPA 600/R93/116 (POSITIVE STOP) (w/ gravimetric reduction) (POSITIVE STOP)					MATERIAL					
			Brendan McClure, Hilton Hernandez			PLM EPA 600/R93/116 (POSITIVE STOP)					C1 - Clear Rubbery caulk					
FIELD SAMPLE NUMBER	DATE	TIME	TYPE		SAMPLE LOCATION											
			COMP	GRA												
1	12/7/18	11:20	X		Generator room louver	X										
2	12/7/18	11:22	X		Generator room louver	X										

Relinquished by: (Signature) 	Date: 12/10/18	Received by: (Signature) 	Date: 12/11/18	Received by: (Signature)
(Printed) Hilton Hernandez	Time: 1640	(Printed) 	Time: 0900	(Printed)
Remarks: Results to Steve A. & Hilton H.			Condition of Samples: Acceptable: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
				Page 1 of 1

NT 17581

Proscience Analytical Services, Inc.

22 Cummings Park, Woburn, MA 01801 Ph. 781-935-3212 Fax 781-932-4857  
TEM Bulk Chain of Custody Record

Date: 12/12/18

PO#: C289951

Client: TRC

Client Job#: 289951.5745.0710

Client Job Ref/Loc.: CTDOF - East Haven Repair Facility, East Haven, CT

Relinquished by: K. Williamson - KWilliamson@trcsolutions.com

Received by: *Stephen Bleeth* 12/13/18 9:40

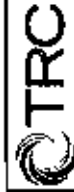
Report to: E. Plimpton - EPlimpton@trcsolutions.com & SArienti@trcsolutions.com

Samplers Name: H. Hernandez

Analysis Type: Charfield EPA N.O.B Qualitative

Turnaround Time: <12 Hour <24 Hour <48 Hour <3 Day 5 Day Other:

Client ID #	Lab ID#	Description	Location	For Lab Use Only	
				Acceptable on Receipt	Comments
1	53141	Caulk	See COC		
For Lab Use Only	# Spies	Total	Client #	Batch #	Results Reported
					Comments



21 GRIFFIN ROAD NORTH  
WINDSOR, CONNECTICUT 06095  
TELEPHONE (860) 298-9692  
FAX (860) 298-6380

# ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Edition: October 2009  
Supersede Previous Edition

LAB ID #. **S 3142**

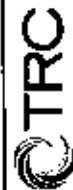
PROJECT NUMBER <i>289951</i>	PROJECT NAME ConndOT East Lyme Property and Facilities Region 2 Facility, Route 156 (Correctional Facility - Niantic), East Lyme, CT	INSPECTOR Brendan McChure, Hilton Hernandez	PARAMETERS				TURNAROUND TIME								
			PLM EPA 600/R3/16 (POSITIVE STOP)	PLM EPA 600/R3/16 (% Gravimetric reduction) (POSITIVE STOP)	ANALYZE BY IAVR	POINT COUNT (E > 1% & A < 10%)	TEM NV NOH 1984 (IF PLM SERIES NEG)	FLM:	8hr	X	24hr	48hr	3day		
FIELD SAMPLE NUMBER	DATE	TIME	TYPE	COMF	GRAB	SAMPLE LOCATION	MATERIAL	SHRI - White sheetrock and yellow joint compound	SHRI - White sheetrock and yellow joint compound	WPG1 - Grey wall panel glue	WPG1 - Grey wall panel glue	3day	48hr	3day	5day
1	12/10/18	10:42	X		X	General office		X							
2	12/10/18	10:42	X		X	General office		X							
3	12/10/18	10:35	X		X	General office				X					
4	12/10/18	10:35	X		X	General office									

PROJECT NUMBER  
*289951*  
225165:5745.00710

SIGNATURE

Relinquished by: (Signature) 	Date: 12/10/18	Received by: (Signature) 	Date: 12/11/18
(Printed) Hilton Hernandez	Time: 1640	(Printed) D900	Time: (Printed)
Remarks: Results to Steve A. and Hilton H.		Condition of Samples: Acceptable: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
		Comments: Page 1 of 1	





21 GRIFFIN ROAD NORTH  
WINDSOR, CONNECTICUT 06095  
TELEPHONE (860) 298-9692  
FAX (860) 298-6380

## ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Edition: October 2009  
Supersede Previous Edition

LAB ID #: 53143

PROJECT NUMBER <i>287951</i>		PROJECT NAME ConnDOT East Windsor Maintenance Facility, 84 Route 6, East Windsor, CT		INSPECTOR Brendan McClure, Hilton Hernandez		PARAMETERS					TURNAROUND TIME													
						PLM EPA 600/R93/16 (POSITIVE STOP)	PLM EPA 600/R93/16 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (P > 1% & < 10%)	TEM NY NOR 1984 (IF PLM STRIPS NEG)	PLM:	TEM:	8hr	24hr	48hr	3day	5day							
FIELD SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	COMPL	GRAB	PLM EPA 600/R93/16 (POSITIVE STOP)	PLM EPA 600/R93/16 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (P > 1% & < 10%)	TEM NY NOR 1984 (IF PLM STRIPS NEG)	MATERIAL												
												PS1 - Grey sticky penetration sealant.	PS1 - Grey sticky penetration sealant.	SHR1 - Grey sheetrock and white joint compound	SHR1 - Grey sheetrock and white joint compound									
1	12/6/18	14:25	X	Generator room exterior a side	X	X	X				X													
2	12/6/18	14:25	X	Generator room exterior a side	X	X	X																	
3	12/6/18	14:30	X	Clerk's office	X	X	X		X															
4	12/6/18	14:31	X	Clerk's office	X	X	X		X															

Retinquired by: (Signature) 	Date: 12/10/18	Received by: (Signature)	Date: 12/11/18	Retinquired by: (Signature)	Received by: (Signature)
	Time: 1640	(Printed) Hilton Hernandez	Time: 0900	(Printed)	(Printed)
Remarks: Results to Steve A. & Hilton H.		Condition of Samples: Acceptable: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			
		Comments:			



NT17579

**Proscience Analytical Services, Inc.**

22 Cummings Park, Woburn, MA 01801 Ph. 781-935-3212 Fax 781-932-4857  
 TEM Bulk Chain of Custody Record

Date: 12/12/18

PO#: C289951  
 Client: TRC

Client Job#: 289951.5745.0710

Client Job Ref/Loc.: CTDOT- East Windsor Maintenance Facility, East Windsor, CT

Relinquished by: K. Williamson- KWilliamson@trcsolutions.com

Received by: *Steph-Becatt 12/13/18 9:40*

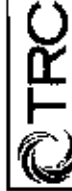
Report to: E. Plimpton- EPlimpton@trcsolutions.com & SArienti@trcsolutions.com

Samplers Name: H. Hernandez

Analysis Type: Chatfield EPA N.O.B Qualitative

Turnaround Time: <12 Hour <24 Hour <48 Hour <3 Day 5 Day Other:

Client ID #	Lab ID#	Description	Location	For Lab Use Only	
				Acceptable on Receipt	Comments
1	53143	Sealant	See COC		
For Lab Use Only		# Spies	Total	Client #	Batch #
					Results Reported
					Comments



21 GRIFFIN ROAD NORTH  
WINDSOR, CONNECTICUT 06095  
TELEPHONE (860) 298-9692  
FAX (860) 298-6380

## ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Edition: October 2009  
Supersedes Previous Edition

LAB ID # 53138

PROJECT NUMBER			PROJECT NAME				PARAMETERS					TURNAROUND TIME		
209951 (74) 222165.5745.00710			ConnDOT Haddam Maintenance Facility, Route 9, Exit 7, Left At Light Onto Route 154, Haddam, CT				PLM:	8hr	X	24hr	48hr	3day		
SIGNATURE 			INSPECTOR Brendan McClure, Hilton Hernandez				TERM:	X	24hr	48hr	3day			
FIELD SAMPLE NUMBER	DATE	TIME	TYPE	COMP	GRAPH	SAMPLE LOCATION	PLM EPA 600/R93/16 (POSITIVE STOP)	PLM EPA 600/R93/16 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZER BY LAYER	POINT COUNT (F > 1% & < 10%)	TEM NY N98 1984 (IF PLM SERIES NEG)	MATERIAL		
1	12/7/18	14:05	X			Generator room exterior louver	X				X	C1 - Tan rubbery caulk		
2	12/7/18	14:06	X			Generator room exterior louver	X					C1 - Tan rubbery caulk		
3	12/7/18	14:00	X			Clerk's office	X		X			SHR1 - Grey sheetrock and white joint compound		
4	12/7/18	14:00	X			Clerk's office	X		X			SHR1 - Grey sheetrock and white joint compound		

Relinquished by: (Signature) 	Date: 12/10/18	Received by: (Signature) 	Date: 12/11/18	Relinquished by: (Signature) (Printed)	Received by: (Signature) (Printed)
(Printed) Hilton Hernandez	Time: 1640	(Printed) 	Time: 0900	(Printed) (Printed)	(Printed) (Printed)
Remarks: Results to Steve A. & Hilton H.					
Condition of Samples: Acceptable: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Comments:					

NT 17592

# Proscience Analytical Services, Inc.

22 Cummings Park, Woburn, MA 01801 Ph. 781-935-3212 Fax 781-932-4857

TEM Bulk Chain of Custody Record

Date: 12/12/18

PO#: C289951

Client: TRC

Client Job#: 289951.5745.0710

Client Job Ref./Loc.: CTDOT- Haddam Maintenance Facility, Haddam, CT

Relinquished by: K. Williamson- KWilliamson@trcsolutions.com

Received by: *Stephen Becotte* 12/13/18 9:40

Report to: E. Plimpton- EPlimpton@trcsolutions.com & S.Arieniti@trcsolutions.com

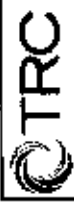
Samplers Name: H. Hernandez

Analysis Type: Chatfield EPA N.O.B Qualitative

Turnaround Time: <12 Hour <24 Hour <48 Hour <3 Day 5 Day Other:

Client ID #		Lab ID#	Description	Location	For Lab Use Only	
					Acceptable on Receipt	Comments
1		53138	Caulk	See COC		
For Lab Use Only		# Spies	Total	Client #	Batch #	Results Reported
						Comments

# ASBESTOS BULK SAMPLING CHAIN OF CUSTODY



21 GRIFFIN ROAD NORTH  
WINDSOR, CONNECTICUT 06095  
TELEPHONE (860) 298-9692  
FAX (860) 298-6380

LAB ID # 53146

PROJECT NUMBER <u>259257</u>		PROJECT NAME ConDOT Hartford Bridge and Electrical Maintenance Facility, 49 Jennings Rd, Hartford, CT		PARAMETERS					TURNAROUND TIME					
		PLM:	TEM:						8hr	X	24hr	48hr	3day	
FIELD SAMPLE NUMBER	DATE	TIME	TYPE	COMF	GRAB	SAMPLE LOCATION	PLM EPA 600/R93/16 (POSITIVE STOP)	PLM EPA 600/R93/16 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)	24hr	48hr	3day
							INSPECTOR Brendan McClure, Hilton Hernandez	(POSITIVE STOP)	(POSITIVE STOP)	X	X	X	X	X
1	12/6/18	09:48	X		X	Generator Control Room	X				X			
2	12/6/18	09:49	X		X	Generator Control Room	X							
3	12/6/18	10:41	X		X	Bridge Clerks Office	X		X					
4	12/6/18	10:41	X		X	Bridge Clerks Office	X		X					
5	12/6/18	10:13	X		X	A side exterior wall	X				X			
6	12/6/18	10:13	X		X	A side exterior wall	X				X			

Relinquished by: (Signature) 	Date:	12/10/18	Received by: (Signature)	12/11/18	Date:		Received by: (Signature)	
	(Printed)	Time:	1640	(Printed)	0900	Time:	(Printed)	
Remarks: Results to Steve A. & Hilton H.		Condition of Samples: Acceptable: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Comments:		Page 1 of 1		

NT 17583

**Proscience Analytical Services, Inc.**

22 Cummings Park, Woburn, MA 01801 Ph. 781-935-3212 Fax 781-932-4857  
TEM Bulk Chain of Custody Record

Date: 12/12/18

PO#: C289951

Client: TRC

Client Job#: 289951.5745.0710

Client Job Ref./Loc.: CTDOT- Hartford Maintenance Facility, Hartford, CT

Relinquished by: K. Williamson- KWilliamson@trcsolutions.com

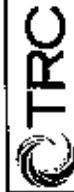
Received by: *Stephanie Beente 12/13/18 9.40*  
Report to: E. Plimpton- EPlimpton@trcsolutions.com & SArienti@trcsolutions.com

Samplers Name: H. Hernandez

Analysis Type: Chairfield EPA N.O.B Qualitative

Turnaround Time: <12 Hour <24 Hour <48 Hour <3 Day 5 Day Other:

Client ID #		Lab ID#	Description	Location	Acceptable on Receipt	For Lab Use Only Comments	
1		53146	Sealant	See COC			
5		53146	Sealant				
For Lab Use Only		# Spies	Total	Client #	Batch #	Results Reported	Comments



21 GRIFFIN ROAD NORTH  
WINDSOR, CONNECTICUT 06095  
TELEPHONE (860) 298-9692  
FAX (860) 298-6380

# ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

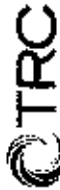
Edition: October 2009  
Supersede Previous Edition

LAB ID #: **531845**

PROJECT NUMBER <i>86751</i> 222465.5745.00710		PROJECT NAME ConnDOT Mansfield Maintenance Facility, 100 North Frontage Rd, Mansfield, CT			PARAMETERS				TURNAROUND TIME								
		INSPECTOR Brendan McClure, Hilton Hernandez				PLM EPA 600/R93/16 (POSITIVE STOP)	PLM EPA 600/R93/16 (% gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NON 1984 (IF PLM STRIPS NEG)	PLM:	TEM:	8hr	24hr	48hr	3day	
FIELD SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	PLM EPA 600/R93/16 (POSITIVE STOP)	PLM EPA 600/R93/16 (% gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NON 1984 (IF PLM STRIPS NEG)	8hr		24hr		48hr		3day	
										COMB	GRA	X	X	X	X	X	X
1	12/6/18	12:58	X	A side office exterior	X						X						
2	12/6/18	12:58	X	A side office exterior	X						X						

SIGNATURE

Relinquished by: (Signature)  (Printed) Hilton Hernandez	Date:	12/10/18	Received by: (Signature)	12/11/18
	Time:	1640	(Printed)	0900
Remarks: Results to Steve A. & Hilton H.		Condition of Samples: Acceptable: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
		Comments: Page 1 of 1		



21 GRIFFIN ROAD NORTH  
WINDSOR, CONNECTICUT 06095  
TELEPHONE (860) 298-9692  
FAX (860) 298-6380

## ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Edition: October 2009  
Supersedes Previous Edition

LAB ID #. 53144

PROJECT NUMBER 887951		PROJECT NAME ConndOT Rocky Hill Central Warehouse Facility, 660 Brook Street, Rocky Hill, CT		PARAMETERS					TURNAROUND TIME				
									PLM:	8hr	X	24hr	48hr
PROJECT SIGNATURE 		INSPECTOR Brendan McClure, Hilton Hernandez		MATERIAL					TEM:	X	24hr	48hr	3day
FIELD SAMPLE NUMBER	DATE	TIME	TYPE	COMP	GRAE	SAMPLE LOCATION	PLM EPA 600/R93/116 (POSITIVE STOP)	PLM EPA 600/R93/116 (w/ granulometric reduction) (POSITIVE STOP)	ANALYZER BY LAYER	POINT COUNT (IP > 1% & < 10%)	TEM NY NOB 1984 (IF FLM SERIES NEG)	SHR1 - Grey sheetrock and white joint compound	SHR1 - Grey sheetrock and white joint compound
1	12/7/18	08:34	X			Electrical room	X		X				
2	12/7/18	08:35	X			Electrical room	X		X				

Relinquished by: (Signature) 	Date: 12/10/18	Received by: (Signature) 	Date: 12-11-18
(Printed) Hilton Hernandez	Time: 1640	(Printed) 0900	Time: (Printed)
Remarks: Results to Steve A. & Hilton H.		Condition of Samples: Acceptable: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
		Comments: Page 1 of 1	

## **APPENDIX F**

### **PLM LABORATORY ANALYSIS DATA**





**BULK ASBESTOS ANALYSIS REPORT**

CLIENT: CT Department of Transportation

Lab Log #: 0053141  
 Project #: 289951.5745.0710  
 Date Received: 12/11/2018  
 Date Analyzed: 12/12/2018

Site: East Haven Repair Facility, 2100 N. High Street, East Haven, CT

**POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116**

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
1	Colorless (caulk)	Yes	No	--	---	ND	None
2	Colorless (caulk)	Yes	No	--	---	ND	None

Reporting limit- asbestos present at 1%  
 ND - asbestos was not detected  
 Trace - asbestos was observed at level of less than 1%  
 NA/PS - Not Analyzed / Positive Stop  
 SNA- Sample Not Analyzed- See Chain of Custody for details

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation 1982 (EPA 600/M4-82-020) Bulk Analysis Code 18/A01 and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials July 1993, R.L. Perkins and B.W. Harvey, (EPA/600/R-93/116) Bulk Analysis Code 18/A03, which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2019. TRC is accredited by the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC in the Industrial Hygiene Program (IHLAP) for PLM effective through October 1, 2019. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested.

Analyzed by: K. Williamson Reviewed by: Cathryn Lohme Date Issued: 12/13/2018  
 Kathleen Williamson, Laboratory Manager Cathryn Lohme, Approved Signatory

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

NVLAP Lab Code 101424-0 AIHA-LAP, LLC #100122 CT #PH-0426 ME LA-0075, IJ-0071 MA #AA000052 NY #10980 WV# LT000411  
 RI #AAL-007 TX #300354 VT #AL014538 LA#05011 VA #3333 000283 AZ #A20944 HI #L-09-004 NJ #CT004 CA #2907  
 CO# AL-15020 I'PHL # 461 PA#68-03387

**BULK ASBESTOS ANALYSIS REPORT**

CLIENT: CT Department of Transportation

Lab Log #: 0053142  
 Project #: 289951.5745.0710  
 Date Received: 12/11/2018  
 Date Analyzed: 12/12/2018

Site: East Lyme Facilities, Rt. 156, East Lyme, CT

**POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116**

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
1	Light Yellow (joint compound)	No	Yes	1	---	ND	None
1	White (sheetrock)	No	Yes	2	2% cellulose	ND	None
2	Light Yellow (joint compound)	No	Yes	1	---	ND	None
2	White (sheetrock)	No	Yes	2	2% cellulose	ND	None
3	Grey (glue)	Yes	No	--	---	ND	None
4	Grey (glue)	Yes	No	--	---	ND	None

Reporting limit- asbestos present at 1%  
 ND - asbestos was not detected  
 Trace - asbestos was observed at level of less than 1%  
 NA/PS - Not Analyzed / Positive Stop  
 SNA- Sample Not Analyzed- See Chain of Custody for details

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation 1982 (EPA 600/M4-82-020) Bulk Analysis Code 18/A01 and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials July 1993, R.L. Perkins and B.W. Harvey, (EPA/600/R-93/116) Bulk Analysis Code 18/A03, which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2019. TRC is accredited by the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC in the Industrial Hygiene Program (IHLAP) for PLM effective through October 1, 2019. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested.

Analyzed by: K. Williamson Reviewed by: Cathryn Lemire Date Issued: 12/13/2018  
 Kathleen Williamson, Laboratory Manager Cathryn Lemire, Approved Signatory

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

NVLAP Lab Code 101424-0 RI #AAL-007 TX #300354 CO# AL-15020  
 AIHA-LAP, LLC #100122 VT #AL014538 IAH#03011 I'PHL# 461  
 CT #PII-0426 VA #3333 000283 PA#68-03387  
 ME LA-0075, LB-0071 AZ #A20944  
 MA #AA000052 HI #L-09-004  
 NY #10980 NJ #CT004  
 WY# LT000411 CA #2907

**BULK ASBESTOS ANALYSIS REPORT**

CLIENT: CT Department of Transportation

Lab Log #: 0053143  
 Project #: 289951.5745.0710  
 Date Received: 12/11/2018  
 Date Analyzed: 12/12/2018

Site: East Windsor Maintenance Facility, 84 Route 6, East Windsor, CT

**POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116**

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
1	Grey (sealant)	Yes	No	--	---	ND	None
2	Grey (sealant)	Yes	No	--	---	ND	None
3	White (joint compound)	No	Yes	1	---	ND	None
3	Grey (sheetrock)	No	Yes	2	2% cellulose	ND	None
4	White (joint compound)	No	Yes	1	---	ND	None
4	Grey (sheetrock)	No	Yes	2	2% cellulose	ND	None

Reporting limit- asbestos present at 1%

ND - asbestos was not detected

Trace - asbestos was observed at level of less than 1%

NA/PS - Not Analyzed / Positive Stop

SNA- Sample Not Analyzed- See Chain of Custody for details

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation 1982 (EPA 600/M4-82-020) Bulk Analysis Code 18/A01 and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials July 1993, R.L. Perkins and B.W. Harvey, (EPA/600/R-93/116) Bulk Analysis Code 18/A03, which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2019. TRC is accredited by the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC in the Industrial Hygiene Program (IHLAP) for PLM effective through October 1, 2019. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested.

Analyzed by:



Kathleen Williamson, Laboratory Manager

Reviewed by:



Cathryn Lohr, Approved Signatory

Date Issued

12/13/2018

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

NVLAP Lab Code 101424-0  
 RI #AAL-007 TX #300354  
 CO# AL-15020

AIHA-LAP, LLC #100122 CT #PH-0426  
 VT #A1.014538 LA#05011 VA #3333 000283  
 PHIL# 461 PA#68-03387

ME LA-0075, LH-0071 MA #AA000052  
 AZ #A20944 III #L-09-004

NY #10980 WV# L7000411  
 NJ #CT004 CA #2907



**BULK ASBESTOS ANALYSIS REPORT**

CLIENT: CT Department of Transportation

Lab Log #: 0053138  
 Project #: 289951.5745.0710  
 Date Received: 12/11/2018  
 Date Analyzed: 12/12/2018

Site: Haddam Maintenance Facility, Haddam, CT

**POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116**

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
1	Tan (caulk)	Yes	No	--	---	ND	None
2	Tan (caulk)	Yes	No	--	---	ND	None
3	White (joint compound)	No	Yes	1	---	ND	None
3	Grey (sheetrock)	No	Yes	2	2% cellulose	ND	None
4	White (joint compound)	No	Yes	1	---	ND	None
4	Grey (sheetrock)	No	Yes	2	2% cellulose	ND	None

Reporting limit- asbestos present at 1%  
 ND - asbestos was not detected  
 Trace - asbestos was observed at level of less than 1%  
 NA/PS - Not Analyzed / Positive Stop  
 SNA- Sample Not Analyzed- See Chain of Custody for details

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation 1982 (EPA 600/M4-82-020) Bulk Analysis Code 18/A01 and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials July 1993, R.L. Perkins and B.W. Harvey, (EPA/600/R-93/116) Bulk Analysis Code 18/A03, which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2019. TRC is accredited by the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC in the Industrial Hygiene Program (IHI-AP) for PLM effective through October 1, 2019. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested.

Analyzed by: K. Williamson Reviewed by: Cathryn Lemire Date Issued: 12/13/2018  
 Kathleen Williamson, Laboratory Manager Cathryn Lemire, Approved Signatory

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0 AIHA-LAP, LLC #100122 CT #PH-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV# LT000411  
 RI #AAL-007 TX #300354 VT #AL014538 LA#05011 VA #3333 000283 AZ #A20944 III #I-09-004 NJ #CT004 CA #2907  
 CO# AL-15020 PHIL# 461 PA#68-03387

**BULK ASBESTOS ANALYSIS REPORT**

CLIENT: CT Department of Transportation

Lab Log #: 0053146  
 Project #: 289951.5745.0710  
 Date Received: 12/11/2018  
 Date Analyzed: 12/12/2018

Site: Hartford Bridge & Electrical Maint. Facility, 49 Jennings Rd, Hartford, CT

**POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116**

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
1	Red (sealant)	Yes	No	--	---	ND	None
2	Red (sealant)	Yes	No	--	---	ND	None
3	White (joint compound)	No	Yes	1	---	ND	None
3	Grey (sheetrock)	No	Yes	2	2% cellulose	ND	None
4	White (joint compound)	No	Yes	1	---	ND	None
4	Grey (sheetrock)	No	Yes	2	2% cellulose	ND	None
5	Tan (sealant)	Yes	No	--	---	ND	None
6	Tan (sealant)	Yes	No	--	---	ND	None

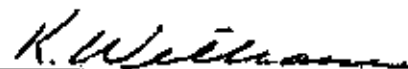
Reporting limit- asbestos present at 1%  
 ND - asbestos was not detected  
 Trace - asbestos was observed at level of less than 1%  
 NA/PS - Not Analyzed / Positive Stop  
 SNA- Sample Not Analyzed- See Chain of Custody for details

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation 1982 (EPA 600/M4-82-020) Bulk Analysis Code 18/A01 and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials July 1993, R.L. Perkins and B.W. Harvey, (EPA/600/R-93/116) Bulk Analysis Code 18/A03, which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2019. TRC is accredited by the AIIA Laboratory Accreditation Programs (AIIA-LAP), LLC in the Industrial Hygiene Program (IHLAP) for PLM effective through October 1, 2019. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested.

Analyzed by:

  
 Kathleen Williamson, Laboratory Manager

Reviewed by:

  
 Kathryn Lemire, Approved Signatory

Date Issued

12/17/2018

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

NVLAP Lab Code 101424-0 AIIA-LAP, LLC #100122 CT #PH-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV# LT000411  
 RI #AAL-007 TX #300354 VT #AL014538 LA#05011 VA #3333 000283 AZ #A20944 III #I-09-004 NJ #CT004 CA #2907  
 CO# AL-15020 PHIL# 461 PA#68-03387

**BULK ASBESTOS ANALYSIS REPORT**

CLIENT: CT Department of Transportation

Lab Log #: 0053145  
 Project #: 289951.5745.0710  
 Date Received: 12/11/2018  
 Date Analyzed: 12/12/2018

Site: Mansfield Maintenance Facility, 100 N. Frontage Road, Mansfield, CT

**POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116**

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
1	Grey (stucco wall)	Yes	No	--	---	ND	None
2	Grey (stucco wall)	Yes	No	--	---	ND	None

Reporting limit- asbestos present at 1%  
 ND - asbestos was not detected  
 Trace - asbestos was observed at level of less than 1%  
 NA/PS - Not Analyzed / Positive Stop  
 SNA- Sample Not Analyzed- See Chain of Custody for details

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation 1982 (EPA 600/M4-82-020) Bulk Analysis Code 18/A01 and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials July 1993, R.L. Perkins and B.W. Harvey, (EPA/600/R-93/116) Bulk Analysis Code 18/A03, which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2019. TRC is accredited by the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC in the Industrial Hygiene Program (IHLAP) for PLM effective through October 1, 2019. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested.

Analyzed by: K. Williamson Reviewed by: Cathryn Lentire Date Issued: 12/17/2018  
 Kathleen Williamson, Laboratory Manager Cathryn Lentire, Approved Signatory

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

NVLAP Lab Code 101424-0 AIHA-LAP, LLC #100122 CT #PIR-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV# LT000411  
 RI #AAL-007 TX #300354 VT #AL014538 LA#05011 VA #3333 000283 AZ #A20944 HI #I-09-004 NJ #CT004 CA #2907  
 CO# AL-15020 PHIL# 461 PA#68-03387



**BULK ASBESTOS ANALYSIS REPORT**

CLIENT: CT Department of Transportation

Lab Log #: 0053144  
 Project #: 289951.5745.0710  
 Date Received: 12/11/2018  
 Date Analyzed: 12/12/2018

Site: Rocky Hill Central Warehouse Facility, 660 Broad Street, Rocky Hill, CT

**POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116**

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
1	White (joint compound)	No	Yes	1	---	ND	None
1	Grey (sheetrock)	No	Yes	2	2% cellulose	ND	None
2	White (joint compound)	No	Yes	1	---	ND	None
2	Grey (sheetrock)	No	Yes	2	2% cellulose	ND	None

Reporting limit- asbestos present at 1%  
 ND - asbestos was not detected  
 Trace - asbestos was observed at level of less than 1%  
 NA/PS - Not Analyzed / Positive Stop  
 SNA- Sample Not Analyzed- See Chain of Custody for details

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation 1982 (EPA 600/M4-82-020) Bulk Analysis Code 18/A01 and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials July 1993, R.L. Perkins and B.W. Harvey, (EPA/600/R-93/116) Bulk Analysis Code 18/A03, which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2019. TRC is accredited by the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC in the Industrial Hygiene Program (IHI-AP) for PLM effective through October 1, 2019. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested.

Analyzed by: K. Williamson  
 Kathleen Williamson, Laboratory Manager

Reviewed by: Cathryn Lemire  
 Cathryn Lemire, Approved Signatory

Date Issued  
 12/13/2018

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

NVLAP Lab Code 101424-0 AIHA-LAP, LLC #100122 CT #PII-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV# LT000411  
 RI #AAL-007 TX #300354 VT #AL014538 LA#05011 VA #3333 000283 AZ #A20944 HI #L-09-004 NJ #CT004 CA #2907  
 CO# AL-15020 PHIL# 461 PA#68-03387

## **APPENDIX G**

### **TEM LABORATORY ANALYSIS DATA**



# ProScience Analytical Services, Inc.

22 Cummings Park, Woburn, Massachusetts 01801  
 781-935-3212 ~ Fax: 781-932-4857 ~ E-Mail: general@proscience.net

## Laboratory Report

**Client Project #:** 289951.5745.0710  
**Client Reference:** CT DOT - East Haven Repair Facility, East Haven, CT  
**PO #:** C289951  
**Client #:** 297  
**Client Name:** TRC Environmental Corp. (CT)

**Batch:** NT 17581  
**Method:** NOB  
**Date Received:** 12/13/2018  
**Date Analyzed:** 12/14/2018  
**Date of Report:** 12/14/2018

LAB ID	Field ID	Description	Color	Initial Weight	% Asbestos Types					TRE	ANT	CRO	AMG	ACT	AMO	% Other			Total %	Analyzed / Prepped /	
					CHR	THR	TR	ANT	ACT							AMG	AMO	Non-Asb.			Organic
NT132517	1	Clear Rubbery Caulk		.2140	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	31.12	48.27	20.61	ND	Yes	No

**Comments:**

Key: CHR = Chrysotile AMO = Amosite CRO = Crocidolite ACT = Actinolite TRE = Tremolite ANT = Anthophyllite TR = Trace = < 1% ND = None Detected

  
 Mark Derosier, Analyst

# ProScience Analytical Services, Inc.

22 Cummings Park, Woburn, Massachusetts 01801  
 781-935-3212 ~ Fax: 781-932-4857 ~ E-Mail: general@proscience.net

## Laboratory Report


Client Project #: 289951.5745.0710  
 Client Reference: CT DOT - East Lyme Property, East Lyme, CT  
 PO #: C289951  
 Client #: 297  
 Client Name: TRC Environmental Corp. (CT)

Batch: NT 17580  
 Method: NOB  
 Date Received: 12/13/2018  
 Date Analyzed: 12/14/2018  
 Date of Report: 12/14/2018

LAB ID	Field ID	Description:	Color	Initial Weight	CHR	AMO	ACT	CRO	ANT	TRE	% Other	% Non-Asb.	% Organic	Carb.	Asbestos	Total % Analyzed / Charged	Preped / Charged	Yes	No
NT132516	3	Grey Wall Panel Glue		2701	.00	.00	.00	.00	.00	.00	30.58	44.61	24.81	ND					

**Comments:**

Key: CHR = Chrysotile AMO = Amosite CRO = Crocidolite ACT = Actinolite TRE = Tremolite ANT = Anthophyllite TR = Trace = < 1% ND = None Detected

  
 Mark Derosier, Analyst

# ProScience Analytical Services, Inc.

22 Cummings Park, Woburn, Massachusetts 01801  
 781-935-3212 ~ Fax: 781-932-4857 ~ E-Mail: general@proscience.net

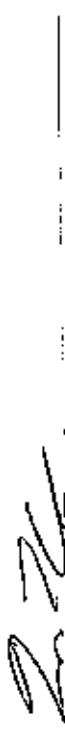
## Laboratory Report

Client Project #: 289951.5745.0710 Batch: NT 17579  
 Client Reference: CT DOT - East Windsor Maintenance Facility, East Windsor, CT Method: NOB  
 PO #: C289951 Date Received: 12/13/2018  
 Client #: 297 Date Analyzed: 12/14/2018  
 Client Name: TRC Environmental Corp. (CT) Date of Report: 12/14/2018

LAB ID	Field ID	Description:	Color	Initial Weight	CHR	AMO	ACT	CRO	ANT	TRE	% Other Non-asb.	% Organic Carb.	% Asbestos Types	Total % Analyzed / Charged	Prepared / Charged	
NT132515	1	Grey Sticky Penetration Sealant		.1437	.00	.00	.00	.00	.00	.00	12.11	53.89	24.01	ND	Yes	No

**Comments:**

Key: CHR = Chrysotile AMO = Amosite CRO = Crocidolite ACT = Actinolite TRE = Tremolite ANT = Anthophyllite TR = Trace = < 1% ND = None Detected

  
 Mark Demosier, Analyst

# ProScience Analytical Services, Inc.

22 Cummings Park, Woburn, Massachusetts 01801  
 781-935-3212 ~ Fax: 781-932-4857 ~ E-Mail: general@proscience.net

## Laboratory Report

Client Project #: 289951.5745.0710  
 Client Reference: CT DOT - Haddam Maintenance Facility, Haddam, CT  
 PO #: C289951  
 Client #: 297  
 Client Name: TRC Environmental Corp. (CT)

Batch: NT 17582  
 Method: NOB  
 Date Received: 12/13/2018  
 Date Analyzed: 12/14/2018  
 Date of Report: 12/14/2018

LAB ID	Field ID	Description:	Color	Initial Weight	% Asbestos Typas			% Other			Total % Analyzed / Charged		Preped / Charged			
					CHR	AMO	ACT	CRO	ANT	TRE	Not-asp.	Organic	Carb.	Asbestos	ND	Yes
NT132518-1		Tan Rubbery Caulk		.2405	.00	.00	.00	.00	.00	.00	.00	50.48	35.80	ND		

**Comments:**

Key: CHR = Chrysotilia AMO = Amosite CRO = Crocidolite ACT = Actinolite TRE = Tremolite ANT = Anthrophyllite TR = Trace = < 1% ND = None Detected

  
 Mark Derosier, Analyst

# ProScience Analytical Services, Inc.

22 Cummings Park, Woburn, Massachusetts 01801  
 781-935-3212 ~ Fax: 781-933-4657 ~ E-Mail: general@proscience.net

## Laboratory Report


Client Project #: 289951.5745.0710  
 Client Reference: CT DOT - Hartford Maintenance Facility, Hartford, CT  
 PO #: C289951  
 Client #: 297  
 Client Name: TRC Environmental Corp. (CT)

Batch: NT 17583  
 Method: N06  
 Date Received: 12/13/2018  
 Date Analyzed: 12/14/2018  
 Date of Report: 12/14/2018

LAB ID	Field ID	Description:	Color	Initial Weight	CHR	AMO	ACT	GRD	ANT	TRE	% Other Non-asb.	% Organic Carb.	Total % Asbestos	Analyzed / Charged	Prep'd / Charged
NT132519	1	Red Rubbery Penetration Sealant		3.076	.00	.00	.00	.00	.00	.00	37.71	48.21	14.08	Yes	No
NT132520	5	Tan Brittle Metal Wall Siding Seam Sealant		1.972	.00	.00	.00	.00	.00	.00	47.89	13.70	38.41	Yes	No

**Comments:**

Key: CHR = Chrysotile AMO = Amosite CRO = Crocidolite ACT = Actinolite TRE = Tremolite ANT = Anthophyllite TR = Trace # < 1% ND = None Detected

  
 Mark Desjardis, Analyst

**APPENDIX H**

**LEAD PAINT XRF MEASUREMENT TABLE**



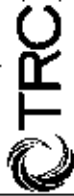
### Lead Based Paint Measurement Summary Table

Device(s): Niton XL301-A (Serial #24792) X Ray Fluorescence (XRF) Spectrum Analyzer  
 Site: Generator Installation/Replacement Project - East Haven, East Lyme, East Windsor, Haddam, Hartford, Mansfield & Rocky Hill, CT  
 Project #: 289951-5745-0710  
 Date(s): 12/6/18-12/7/18, 12/10/18  
 Inspector: Hilton Hernandez (CT Lead Inspector Risk Assessor License #002231)

Number	Room	Side	Structure	Feature	Material	Color	Condition	Reading (mg/cm <sup>2</sup> )	Precision (mg/cm <sup>2</sup> )	Depth Index	Duration (sec)	Date/Time
<b>East Haven Repair Facility</b>												
1	Shutter calibration							2.4	0.0		126.06	12/7/2018 9:17
2	3.5 calibration							3.3	0.4	1.18	3.43	12/7/2018 9:21
3	1.6 calibration							1.4	0.3	1.08	1.98	12/7/2018 9:21
4	0.3 calibration							0.4	0.1	1.16	2.88	12/7/2018 9:21
5	Electrical Room	D	Wall		Metal	Grey	Intact	< LOD	0.0	1	1.62	12/7/2018 11:40
6	Electrical Room	D	Electrical box		Metal	Grey	Intact	< LOD	0.0	1	1.62	12/7/2018 11:41
7	Electrical Room	D	Electrical box		Metal	Black	Intact	0.1	0.0	1.67	4.15	12/7/2018 11:42
8	Electrical Room	D	Wall		Wood	Black	Intact	< LOD	0.0	1	1.62	12/7/2018 11:43
9	Electrical Room	D	Wall		Block	White	Intact	< LOD	0.0	1	1.81	12/7/2018 11:43
10	Generator Room	A	Wall		Block	White	Intact	< LOD	0.0	1	2.34	12/7/2018 11:45
11	Generator Room	B	Wall		Block	White	Intact	< LOD	0.0	1	2.35	12/7/2018 11:45
12	Generator Room	A	Generator		Metal	Grey	Intact	0.1	0.0	1.06	5.58	12/7/2018 11:46
13	Generator Room	A	Generator		Metal	Green	Intact	0.1	0.0	2.12	5.41	12/7/2018 11:47
14	Generator Room	A	Highland tank		Metal	White	Intact	< LOD	0.0	1.13	1.43	12/7/2018 11:46
15	Generator Room	D	Wall		Brick	White	Intact	< LOD	0.0	2.52	6.49	12/7/2018 11:50
16	Clerk's Office	A	Wall		Block	White	Intact	< LOD	0.1	5.84	7.78	12/7/2018 11:56
17	Generator Room	--	Floor		Concrete	Grey	Intact	< LOD	0.0	1	2.69	12/7/2018 12:01
18	3.5 calibration	--	--					3.7	0.3	1.28	3.6	12/7/2018 14:03
19	1.6 calibration	--	--					1.5	0.3	1.08	3.23	12/7/2018 14:08
20	0.3 calibration	--	--					0.4	0.1	1.16	3.95	12/7/2018 14:04
<b>East Lyme Property &amp; Facilities Region 2 Facility</b>												
1	Shutter calibration							2.5	0.0		126.29	12/10/2018 10:39
2	3.5 calibration							3.8	0.2	1.3	9.34	12/10/2018 10:53
3	1.6 calibration							1.7	0.1	1.19	7.51	12/10/2018 10:53
4	0.3 calibration							0.3	0.1	1	3.76	12/10/2018 10:54
5	Boiler Room	C	Wall		Block	Grey	Intact	2.9	0.5	1.45	3.23	12/10/2018 10:56
6	Boiler Room	C	Wall		Block	Grey	Intact	2.6	0.6	1.51	1.79	12/10/2018 10:57
7	Boiler Room	C	Wall	Panel board	Block	Black	Intact	0.0	0.0	1	2.33	12/10/2018 10:58
8	Boiler Room	C	Wall	Electric box	Block	Grey	Intact	0.0	0.0	1	1.97	12/10/2018 10:59
9	Boiler Room	C	Wall	Transfer switch box	Block	Grey	Intact	0.0	0.0	1	2.15	12/10/2018 11:00
10	Boiler Room	C	Wall	Upper	Block	White	Intact	0.1	0.4	2.45	0.36	12/10/2018 11:01
11	Boiler Room	C	Wall	Upper	Block	White	Intact	0.1	0.1	1.87	3.94	12/10/2018 11:01
12	Boiler Room	C	Wall	Upper	Block	White	Intact	0.1	0.0	1.91	3.94	12/10/2018 11:02
13	Supervisor Office	C	Wall	--	Block	Yellow	Intact	0.0	0.0	1.59	2.86	12/10/2018 11:14

Lead paint includes paint found to contain any detectable amount of lead by Atomic Absorption Spectrophotometry (AAS) or X-Ray Fluorescence (XRF).

Side A = Street side; Sides B,C,D follow clockwise



**Lead Based Paint Measurement Summary Table**

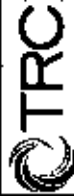
Device(s): Niton XLp301-A (Serial #24792) X Ray Fluorescence (XRF) Spectrum Analyzer  
 Site: Generator Installation/Replacement Project - East Haven, East Lyme, East Windsor, Haddam, Hartford, Mansfield & Rocky Hill, CT  
 Project #: 289951-5745-0710  
 Date(s): 12/6/18-12/7/18, 12/10/18  
 Inspector: Hilton Hernandez (CT Lead Inspector Risk Assessor License #002231)

Number	Room	Side	Structure	Feature	Material	Color	Condition	Reading (mg/cm <sup>2</sup> )	Precision (mg/cm <sup>2</sup> )	Depth Index	Duration (sec)	Date/Time
14	Supervisor Office	D	Wall	--	Block	Yellow	Intact	0.0	0.0	6.13	13.08	12/10/2018 11:15
15	General Office	B	Wall	--	Sheetrock	Blue	Intact	0.0	0.0	1.68	2.34	12/10/2018 11:17
16	General Office	A	Wall	--	Sheetrock	Blue	Intact	0.0	0.0	1	3.03	12/10/2018 11:18
17	General Office	C	Wall	--	Sheetrock	Blue	Intact	0.0	0.0	1	2.15	12/10/2018 11:25
18	Hall	A	Wall	Upper	Sheetrock	White	Intact	0.0	0.0	1	1.73	12/10/2018 11:27
19	Hall	A	Wall	Lower	Sheetrock	Tan/Beige	Intact	0.0	0.0	1.26	1.43	12/10/2018 11:27
20	3.5 calibration	--	--	--	--	--	--	3.9	0.2	1.3	9.35	12/10/2018 11:50
21	1.6 calibration	--	--	--	--	--	--	1.6	0.1	1.15	5.02	12/10/2018 11:51
22	0.3 calibration	--	--	--	--	--	--	0.3	0.1	1.01	4.48	12/10/2018 11:51
<b>East Windsor Maintenance Facility</b>												
1	Shutter calibration	--	--	--	--	--	--	2.7	0.0	--	126.39	12/6/2018 13:27
2	Generator Room	A	Wall	--	Block	White	Intact	< LOD	0.0	1	2.53	12/6/2018 15:13
3	Generator Room	C	Wall	--	Block	White	Intact	< LOD	0.0	1	1.98	12/6/2018 15:14
4	Generator Room	B	Electric panel	--	Metal	Green	Intact	< LOD	0.0	1	1.8	12/6/2018 15:15
5	Generator Room	B	Electric panel	--	Metal	Grey	Intact	< LOD	0.0	1	1.63	12/6/2018 15:15
6	Generator Room	--	Generator	--	Metal	Green	Intact	< LOD	0.0	1	1.63	12/6/2018 15:17
7	Generator Room exterior	A	Exhaust pipe	--	Metal	Brown	Intact	3.4	0.7	1.86	2.16	12/6/2018 15:25
8	Clerk's Office	A	Wall	--	Sheetrock	White	Intact	< LOD	0.0	1	0.36	12/6/2018 15:36
9	Clerk's Office	A	Wall	--	Sheetrock	White	Intact	< LOD	0.0	1	1.62	12/6/2018 15:36
10	3.5 calibration	--	--	--	--	--	--	3.3	1.3	1.2	0.72	12/6/2018 16:04
11	3.5 calibration	--	--	--	--	--	--	4.1	0.8	1.42	1.98	12/6/2018 16:05
12	1.6 calibration	--	--	--	--	--	--	1.6	0.4	1.18	1.81	12/6/2018 16:05
13	0.3 calibration	--	--	--	--	--	--	0.3	0.1	1.06	2.7	12/6/2018 16:06
<b>Haddam Maintenance Facility</b>												
1	3.5 calibration	--	--	--	--	--	--	3.7	0.3	1.26	3.6	12/7/2018 14:03
2	1.6 calibration	--	--	--	--	--	--	1.5	0.3	1.06	3.23	12/7/2018 14:03
3	0.3 calibration	--	--	--	--	--	--	0.4	0.1	1.16	3.95	12/7/2018 14:04
4	Generator Room	A	Wall	--	Block	White	Intact	< LOD	0.0	1	2.52	12/7/2018 14:41
5	Generator Room	A	Fuel tank	--	Metal	Red	Intact	< LOD	0.0	1	1.62	12/7/2018 14:42
6	Generator Room	A	Transfer switch box	Door	Metal	Black	Intact	< LOD	0.0	1	1.44	12/7/2018 14:43
7	Generator Room	A	Transfer switch box	Wall	Metal	Tan/Beige	Intact	< LOD	0.0	1	1.62	12/7/2018 14:44
8	Generator Room	B	Generator	--	Metal	Tan/Beige	Intact	< LOD	0.0	1	1.62	12/7/2018 14:45
9	Exterior	A	XFMF	--	Metal	Green	Intact	< LOD	0.0	1.13	4.49	12/7/2018 14:51
10	Clerk's Office	A	Wall	--	Sheetrock	White	Intact	< LOD	0.0	1	1.26	12/7/2018 14:58
11	Clerk's Office	B	Wall	--	Wood	Black	Intact	< LOD	0.0	1.48	2.71	12/7/2018 14:59

Lead paint includes paint found to contain any detectable amount of lead by Atomic Absorption Spectrophotometry (AAS) or X-Ray Fluorescence (XRF).

Side A = Street side; Sides B,C,D follow clockwise





### Lead Based Paint Measurement Summary Table

Device(s):	Niton XLP301-A (Serial #24782) X Ray Fluorescence (XRF) Spectrum Analyzer							Date/Time				
Site:	Generator Installation/Replacement Project - East Haven, East Lyme, East Windsor, Haddam, Hartford, Mansfield & Rocky Hill, CT											
Project #:	289851-5745-0710											
Date(s):	12/6/18-12/7/18, 12/10/18											
Inspector:	Hilfon Hernandez (CT Lead Inspector Risk Assessor License #002281)											
Number	Room	Slide	Structure	Feature	Material	Color	Condition	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	
12	3.5 calibration	--	--	--	--	--	--	3.8	0.3	1.31	5.23	12/7/2018 15:12
13	1.6 calibration	--	--	--	--	--	--	1.5	0.6	1.12	0.9	12/7/2018 15:12
14	1.6 calibration	--	--	--	--	--	--	1.3	0.8	1.04	0.54	12/7/2018 15:12
15	1.6 calibration	--	--	--	--	--	--	1.5	0.3	1.11	3.25	12/7/2018 15:12
16	0.3 calibration	--	--	--	--	--	--	0.3	0.1	1.06	3.23	12/7/2018 15:13
<b>Hartford Bridge &amp; Electrical Maintenance Facility</b>												
1	Shutter calibration										46.59	12/6/2018 10:12
2	3.6 calibration							3.7	0.2	1.28	7.05	12/6/2018 10:24
3	1.6 calibration							1.7	0.1	1.28	6.68	12/6/2018 10:25
4	0.3 calibration							0.3	0.1	1	5.07	12/6/2018 10:25
5	Generator Control Room	A	Wall		Metal	White	Intact	0.0	0.0	0.0	1.61	12/6/2018 10:27
6	Generator Control Room	A	Wall	Support	Metal	Red	Intact	0.0	0.0	0.0	2.53	12/6/2018 10:29
7	Generator Control Room	B	Wall		Block	White	Intact	0.0	0.0	0.0	3.43	12/6/2018 10:31
8	Generator Control Room	D	Wall		Block	White	Intact	0.0	0.0	0.0	3.25	12/6/2018 10:32
9	Generator Control Room	--	Ceiling		Metal	White	Intact	0.0	0.0	0.0	1.8	12/6/2018 10:33
10	Generator Control Room	--	Ceiling		Metal	White	Intact	0.0	0.0	0.0	1.44	12/6/2018 10:33
11	Generator Control Room	--	Ceiling	Support	Metal	White	Intact	0.0	0.0	0.0	2.71	12/6/2018 10:35
12	Generator Control Room	C	Pipe		Metal	White	Intact	0.0	0.0	0.0	3.07	12/6/2018 10:36
13	Generator Control Room	C	Pipe		Metal	White	Intact	0.2	0.1	5.99	4.88	12/6/2018 10:37
14	Generator Control Room	C	Wall		Metal	White	Intact	0.0	0.0	0.0	2.71	12/6/2018 10:38
15	Generator Control Room	A	Door		Wood	Black	Intact	0.0	0.0	0.0	1.98	12/6/2018 10:39
16	Exterior Generator Control Room	B	Wall		Metal	Tan/Beige	Intact	0.0	0.0	0.0	7.23	12/6/2018 10:50
17	Exterior Generator Control Room	A	Wall		Metal	White	Intact	0.0	0.0	0.0	3.25	12/6/2018 10:53
18	Exterior Generator Control Room	C	Wall		Block	White	Intact	0.0	0.0	0.0	2.26	12/6/2018 10:54
19	Generator Control Room	A	Wall	Lower	Concrete	White	Intact	0.0	0.0	0.0	1.12	12/6/2018 10:56
20	Exterior Generator Control Room	A	Door		Metal	White	Intact	0.0	0.0	0.0	4.17	12/6/2018 11:09
21	Exterior Generator Control Room	D	Wall		Metal	White	Intact	0.0	0.0	0.0	3.08	12/6/2018 11:10
22	Exterior Generator Control Room	B	Wall		Metal	White	Intact	0.0	0.0	0.0	1.81	12/6/2018 11:11
23	Exterior Generator Control Room	C	generator motor		Metal	Grey	Intact	0.0	0.0	0.0	2.35	12/6/2018 11:20
24	Exterior Generator Control Room	C	generator motor		Metal	Grey	Intact	0.0	0.0	0.0	1.62	12/6/2018 11:21
25	Bridge Clerk Office	C	Wall		Sheetrock	White	Intact	0.0	0.0	0.0	2.89	12/6/2018 11:32
26	Bridge Clerk Office	C	Wall		Wood	Black	Intact	0.0	0.0	0.0	1.44	12/6/2018 11:34
27	Bridge Clerk Office	C	Wall		Wood	Grey	Intact	0.0	0.0	0.0	2.7	12/6/2018 11:35
28	3.5 calibration	--	--	--	--	--	--	3.7	0.3	1.29	4.15	12/6/2018 11:47
29	1.6 calibration	--	--	--	--	--	--	1.6	0.3	1.17	3.05	12/6/2018 11:47

Lead paint includes paint found to contain any detectable amount of lead by Atomic Absorption Spectrophotometry (AAS) or X-Ray Fluorescence (XRF).

Side A = Street side; Sides B,C,D follow clockwise



### Lead Based Paint Measurement Summary Table

Device(s): Niton XLP301-A (Serial #24792) X Ray Fluorescence (XRF) Spectrum Analyzer  
 Site: Generator Installation/Replacement Project - East Haven, East Lyme, East Windsor, Haddam, Hartford, Mansfield & Rocky Hill, CT  
 Project #: 289951-6745-0710  
 Date(s): 12/6/18-12/7/18, 12/10/18  
 Inspector: Hilton Hernandez (CT Lead Inspector Risk Assessor License #002231)

Number	Room	Side	Structure	Feature	Material	Color	Condition	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
80	0.3 calibration	--	--	--	--	--	--	0.3	0.1	1	1.99	12/6/2018 11:47
31	0.3 calibration	--	--	--	--	--	--	0.3	0.2	1	1.45	12/6/2018 11:48
<b>Mansfield Maintenance Facility</b>												
1	Shutter calibration							2.7	0.0		126.39	12/6/2018 13:27
2	Electrical (Gen) Control Room	A	Transfer Switch	Door	Metal		Intact	< LOD	0.0	4.04	6.15	12/6/2018 13:34
3	Electrical (Gen) Control Room	D	Transfer Swtch	--	Metal	Tan/Beige	Intact	< LOD	0.0		2.16	12/6/2018 13:35
4	Electrical (Gen) Control Room	A	Wall	--	Wood	Black	Intact	< LOD	0.0		2.71	12/6/2018 13:39
5	Exterior JH shed	A	Column	--	Metal	Grey	Intact	< LOD	0.0		1.98	12/6/2018 18:47
6	Exterior JH shed	B	Electric box	Door	Metal	Grey	Intact	< LOD	0.0		1.62	12/6/2018 13:48
7	Exterior JH shed	B	Wall	--	Wood	Black	Intact	< LOD	0.0		1.62	12/6/2018 13:49
8	Exterior	C	Propane tank	--	Metal	Tan/Beige	Intact	< LOD	0.1	2.1	3.98	12/6/2018 13:54
9	Exterior	C	Generator A-side	--	Metal	Grey	Intact	< LOD	0.0		1.99	12/6/2018 13:56
10	Exterior	A	Wall	--	Metal	Grey	Intact	< LOD	0.0		1.45	12/6/2018 14:00
<b>Rocky Hill Central Warehouse Facility</b>												
1	Shutter calibration							2.4	0.0		126.06	12/7/2018 9:17
2	3.5 calibration	--	--	--	--	--	--	3.3	0.4	1.18	3.43	12/7/2018 9:21
3	1.6 calibration	--	--	--	--	--	--	1.4	0.3	1.08	1.98	12/7/2018 9:21
4	0.3 calibration	--	--	--	--	--	--	0.4	0.1	1.16	2.68	12/7/2018 9:21
5	Electrical Room	A	Transfer switch	Door	Metal	Black	Intact	< LOD	0.0	1.42	1.62	12/7/2018 9:30
6	Electrical Room	A	Transfer switch	Wall	Metal	Tan/Beige	Intact	< LOD	0.0		1.44	12/7/2018 9:31
7	Electrical Room	A	Wall	Wall	Sheetrock	White	Intact	< LOD	0.0		1.8	12/7/2018 9:32
8	Exterior generator	A	Wall	Wall	Metal	Tan/Beige	Intact	< LOD	0.0		2.88	12/7/2018 9:44
9	Exterior generator	B	Wall	Wall	Metal	Tan/Beige	Intact	< LOD	0.0	1.15	1.8	12/7/2018 9:45
10	3.5 calibration	--	--	--	--	--	--	3.7	0.3	1.28	3.6	12/7/2018 14:03
11	1.6 calibration	--	--	--	--	--	--	1.5	0.3	1.08	3.23	12/7/2018 14:03
12	0.3 calibration	--	--	--	--	--	--	0.4	0.1	1.16	3.95	12/7/2018 14:04

Lead paint includes paint found to contain any detectable amount of lead by Atomic Absorption Spectrophotometry (AAS) or X-Ray Fluorescence (XRF).

## **APPENDIX I**

### **COMPOSITE BUILDING MATERIAL WASTE CHARACTERIZATION DATA**



STATE OF CONNECTICUT  
DEPARTMENT OF ENVIRONMENTAL PROTECTION



January 26, 2004

Mr. Erik R. Plimpton, P.E., CHMM, Senior Consulting Engineer  
TRC Environmental Corporation  
5 Waterside Crossing  
Windsor, CT 06095

**RE:** Characterization of lead-based paint debris.

Dear Mr. Plimpton:

Pursuant to our recent discussions by email, I am writing to confirm that the policy elaborated in my July 22, 1997 letter to Steven Murdzia of ATC Associates concerning the use of XRF testing to characterize lead-based paint debris is still in effect. In particular, my statement in that letter that obtaining an XRF reading less than  $1.0 \text{ mg/cm}^2$  is sufficient to demonstrate that a given debris is not a hazardous waste is still our current policy.

As noted in my July 22, 1997 letter, this policy is subject to the following limitations:

- 1.) The material being sampled consists only of building debris (such as painted wood or masonry). Non-debris materials (such as concentrated paint chips, sand blasting debris, or paint stripping wastes) may not be characterized in this manner.
- 2.) The material being sampled has only surficial lead contamination (i.e. lead-based paint). Materials which have more than just surficial contamination (such as floor boards soaked with lead plating solutions) may not be characterized in this manner.
- 3.) The material is sampled in accordance with appropriate protocols regarding sampling frequency and location, to ensure that the reading of  $1.0 \text{ mg/cm}^2$  or less is truly representative of the material as a whole.

I should also note that this approach is only useful in situations in which all of a particular debris stream does not exceed  $1.0 \text{ mg/cm}^2$ . If portions of the debris stream exceed  $1.0 \text{ mg/cm}^2$ , you cannot use this standard to characterize the debris, and must resort to another method (such as composite sampling). In addition, in employing this method to characterize the debris, the areas which had XRF readings under the  $1.0 \text{ mg/cm}^2$  limit must not be ignored (since falling below the standard only means they are not hazardous, not that they are lead-free).

My July 22, 1997 letter also addressed the use of the Connecticut Department of Public Health's 0.5 weight percent limit for a "toxic" level of lead under its lead abatement regulations in order to determine whether or not lead-based paint debris is hazardous. Unlike the 1.0 mg/cm<sup>2</sup> XRF standard, the weight percent number is not appropriate for waste characterization purposes, due to a lack of relevant data. The 1.0 mg/cm<sup>2</sup> XRF policy discussed above was based on certain data generated by EPA correlating XRF readings to TCLP sampling of architectural debris.<sup>1</sup> While EPA's data did not show a predictable relationship between these two measures, it did indicate that there was an XRF threshold below which such debris did not contain sufficient lead to fail TCLP. However, there is no similar data establishing a similar threshold for weight percent lead in lead-based paint below which debris does not fail TCLP.

I should also note that we intend to include the above policy in the next revision of our lead-based paint guidance document, Guidance for the Management and Disposal of Lead-Contaminated Materials Generated in the Lead Abatement, Renovation, and Demolition Industries, which was last revised in 1996, prior to the letter to Mr. Murdzia.

Sincerely,



Ross Q. Bunnell, Sanitary Engineer 3  
Bureau of Waste Management  
Engineering & Enforcement Division

RQB:rqb

Attachment: March, 1993 EPA Guidance Document

---

<sup>1</sup> See in particular the March 1993 EPA guidance document entitled "Applicability of RCRA Disposal Requirements to Lead-Based Paint Abatement Wastes," Page 16, Table II. A copy of this guidance document is attached.

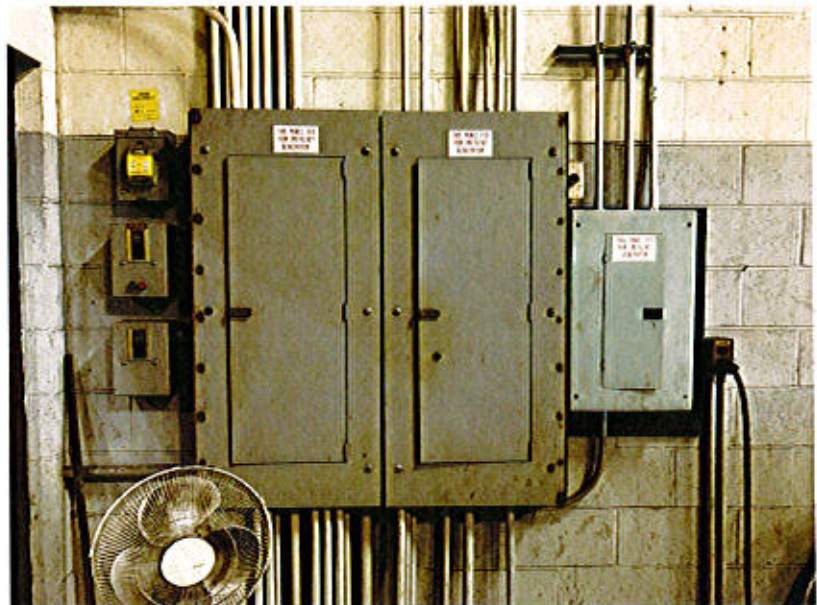
**APPENDIX J**  
**RELATED CORRESPONDENCE**

## ConnDOT, East Haven Repair Facility, New Haven, , East Haven, 06512, CT, US, North High Street, 2100

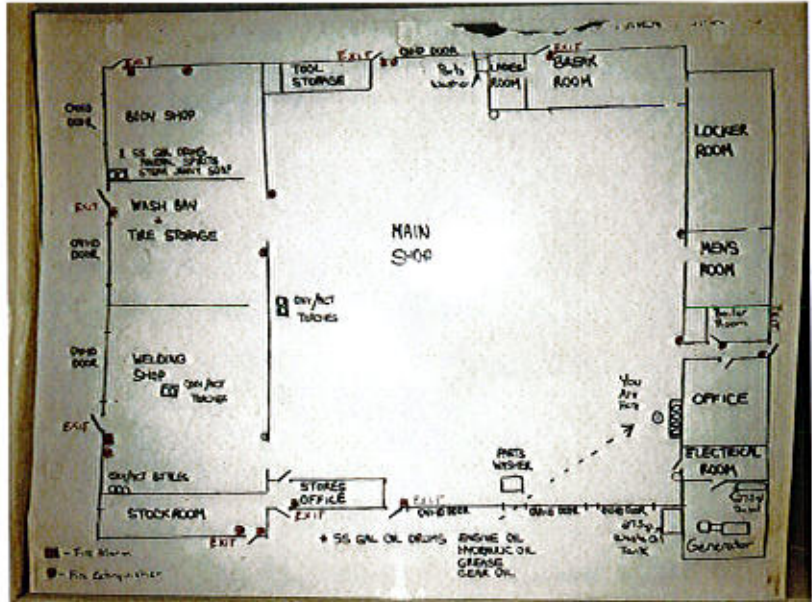
Created 2018-12-07 14:07:47 UTC by Brendan McClure  
Updated 2018-12-23 23:42:20 UTC by Hilton Hernandez  
Location 41.7660535499842, -72.620610510998  
Status ■ Survey In Progress

### Job Information

Site Name East Haven Repair Facility  
Address 2100 North High Street  
East Haven, CT 06512  
TRC Project Number 289951.5745.00710  
Project Manager Erik Plimpton, Stephen Arienti  
Inspector(s) Hilton Hernandez, Brendan McClure  
Client ConnDOT  
Type of Asbestos Survey Reno/Demo  
Additional Analysis for NOB Materials (Calc) TEM NY NOB 198.4  
PLM Turnaround Time (TAT) 24-hour  
TEM Turnaround Time (TAT) 24-hour  
Date 2018-12-07  
Overview Photo



Generator electrical panel



Site sketch



Electrical panels

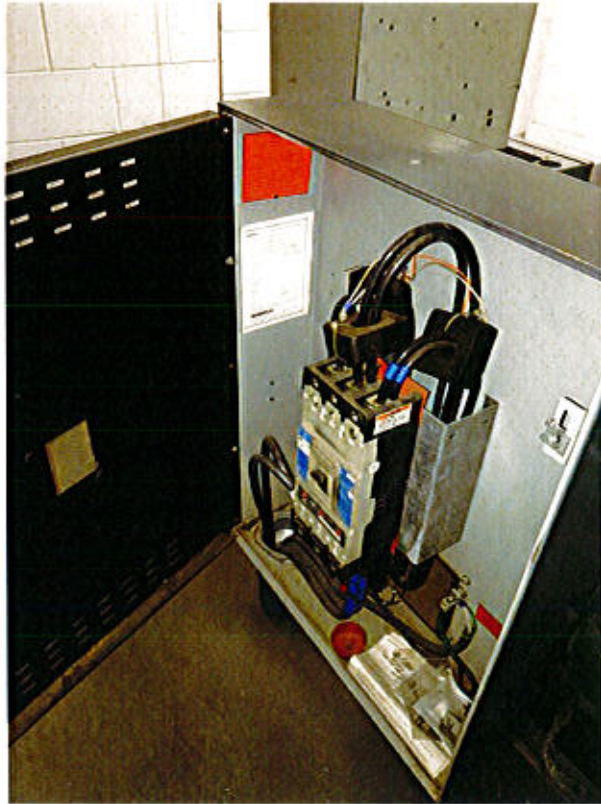




Generator



Generator Control



Inside panel



Generator



Generator vents



Generator exhaust



Brick/CMU wall



Proposed generator location

Surveys Performed

Asbestos, XRF, Hazardous Materials Inventory, PCB Bulks

**Asbestos Section**

( 2 ), C, 1, Clear Rubbery caulk

## Generator room louvre

Sample Location	Generator room louvre
Analyze by Layer	No
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2018-12-07
Time	11:20

## Generator room louvre

Sample Location	Generator room louvre
Analyze by Layer	No
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2018-12-07
Time	11:22

## Material Information

Sampled or Assumed?	Sampled
Material Acronym	C, 1
Material Description	Clear Rubbery caulk
Is Material a Non-Friable Organically Bound (NOB)	Yes
Total Count	( 2 )

## PCB Bulk Section

### ( 1 ), C, 1, White rubbery louvre Caulk

#### Generator room louvre interior/exterior

Sample Location	Generator room louvre interior/exterior
PCB Bulk Analysis	EPA 8082/3540C (Soxhlet)
Grab or Composite	Grab
Date	2018-12-07
Time	11:20

## Material Information

Accessible Material	Accessible
Material Interior or Exterior?	Exterior
Material Acronym	C, 1
Material Description	White rubbery louvre Caulk
Substrate Adjacent to Material	Metal, Brick
Exterior Ground Cover Below Material	Soil
Total Count	( 1 )

## XRF Section

Niton XRF Model No.	24792
XRF Survey Completed	Yes

XRF Data Downloaded No  
XRF Shots >1.0 on non-metallic building materials No

### General Information

Signature



Signed 2018-12-10 20:59:07 UTC

Asbestos Samples Submitted to TRC Lab No  
PCB Samples Submitted to Lab No  
App Name WinBSI HBM Survey 1.0

### Generate Report Documentation

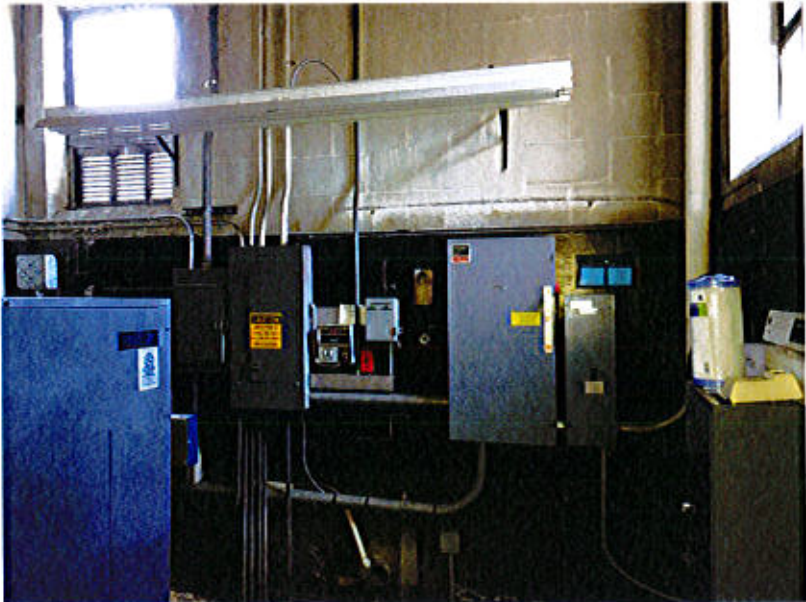
Cloud-based reporting is still actively being developed, but some features that are at an advanced stage of development may be used with the understanding that unexpected errors may occur occasionally. Please report any difficulties or errors to Justin Coleman.

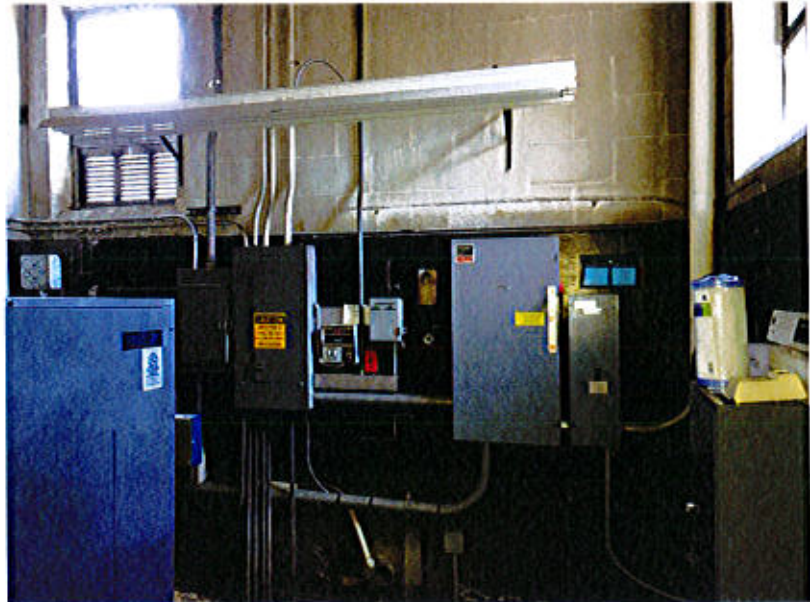
Where should the document(s) be sent? hhernandez@trcsolutions.com  
Generate Documents N/A

**ConnDOT, East Lyme Property and Facilities Region 2 Facility, New London, , East Lyme, , CT, US,  
(Correctional Facility - Niantic), Route 156**

Created	2018-12-07 14:22:43 UTC by Brendan McClure
Updated	2018-12-23 23:33:31 UTC by Hilton Hernandez
Location	41.7554519512785, -72.6507697133993
Status	<span style="color: red;">■</span> Survey In Progress

**Job Information**

Site Name	East Lyme Property and Facilities Region 2 Facility
Address	Route 156 (Correctional Facility - Niantic) East Lyme, CT
TRC Project Number	289951.5745.00710
Project Manager	Erik Plimpton, Stephen Arienti
Inspector(s)	Hilton Hernandez, Brendan McClure
Client	ConnDOT
Type of Asbestos Survey	Reno/Demo
Additional Analysis for NOB Materials (Calc)	TEM NY NOB 198.4
PLM Turnaround Time (TAT)	24-hour
TEM Turnaround Time (TAT)	24-hour
Date	2018-12-10
General Notes	Boiler room Pb above 1 on C wall. No suspect ACM. Hole in wall, no VB visible.
Overview Photo	



Electrical panels



Electrical panel



Electrical panel





Wall penetration



Wall penetration



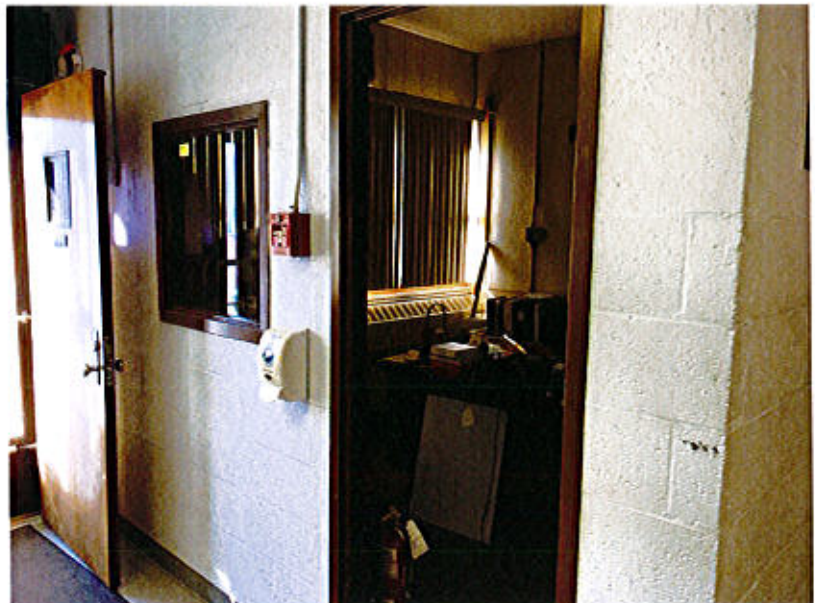
Wall penetration



Proposed generator location



Wall penetration location





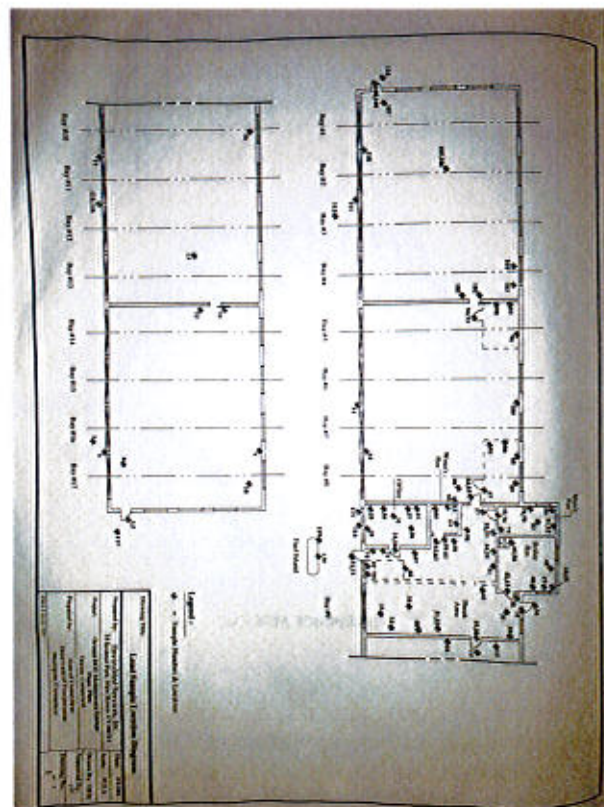
Possible annunciator location



Possible annunciator location



Possible annunciator location



Site sketch



Possible annunciator location



Possible annunciator location

Surveys Performed

Asbestos, XRF, Hazardous Materials Inventory

**Asbestos Section**

( 2 ), SHR, 1, White sheetrock and yellow joint compound

Representative Photos



**General office**

Sample Location

Analyze by Layer

Asbestos Bulk Analysis

Grab or Composite

Date

Time

General office

Yes

PLM EPA 600/R93/116

Grab

2018-12-10

10:42

**General office**

Sample Location

Analyze by Layer

Asbestos Bulk Analysis

Grab or Composite

Date

Time

General office

Yes

PLM EPA 600/R93/116

Grab

2018-12-10

10:42

**Material Information**

Sampled or Assumed?

Material Acronym

Material Description

Is Material a Non-Friable Organically Bound (NOB)

Total Count

Sampled

SHR, 1

White sheetrock and yellow joint compound

No

( 2 )

**( 2 ), WPG, 1, Grey wall panel glue**

Representative Photos



General office  
Sample Location

General office



Analyze by Layer	No
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2018-12-10
Time	10:35

### General office

Sample Location	General office
Analyze by Layer	No
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2018-12-10
Time	10:35

### Material Information

Sampled or Assumed?	Sampled
Material Acronym	WPG, 1
Material Description	Grey wall panel glue
Is Material a Non-Friable Organically Bound (NOB)	Yes
Total Count	( 2 )

### XRF Section

Niton XRF Model No.	24792
XRF Survey Completed	No
XRF Data Downloaded	No
XRF Shots >1.0 on non-metallic building materials	No

### General Information

Signature



Signed 2018-12-10 14:50:19 UTC

Asbestos Samples Submitted to TRC Lab	No
App Name	WinBSI HBM Survey 1.0

### Generate Report Documentation

Cloud-based reporting is still actively being developed, but some features that are at an advanced stage of development may be used with the understanding that unexpected errors may occur occasionally. Please report any difficulties or errors to Justin Coleman.

Where should the document(s) be sent?	hhernandez@trcsolutions.com
Generate Documents	N/A

## ConnDOT, East Windsor Maintenance Facility , Tolland , East Windsor, 06232, CT, US, Route 6, 84

Created 2018-12-06 16:18:04 UTC by Brendan McClure  
Updated 2018-12-23 23:20:20 UTC by Hilton Hernandez  
Location 41.7575926146976, -72.4012995287695  
Status ■ Survey In Progress

### Job Information

Site Name East Windsor Maintenance Facility  
Address 84 Route 6  
East Windsor, CT 06232  
TRC Project Number 289951.5745.00710  
Project Manager Erik Plimpton, Stephen Arienti  
Inspector(s) Hilton Hernandez, Brendan McClure  
Client ConnDOT  
Type of Asbestos Survey Reno/Demo  
Additional Analysis for NOB Materials (Calc) TEM NY NOB 198.4  
PLM Turnaround Time (TAT) 24-hour  
TEM Turnaround Time (TAT) 24-hour  
Date 2018-12-06

General Notes Generator Room white paint on cmu walls. Concrete floor, metal deck ceiling. Exterior walls not painted. No suspect ACM. Oils and lube associated with generator. Silicone on outside louvre. One layer CMU walls.

### Overview Photo



Generator



Generator Control



Generator



Control panel



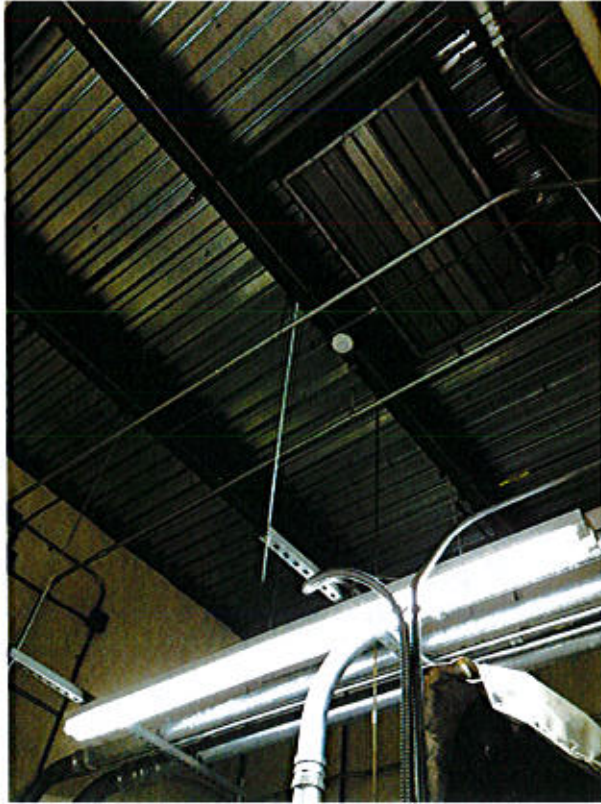
Inside generator control



Electrical panel



Generator & electrical box



Generator room ceiling



Electrical panels



Generator room vent and generator exhaust



Generator exhaust caulk



Electrical meter

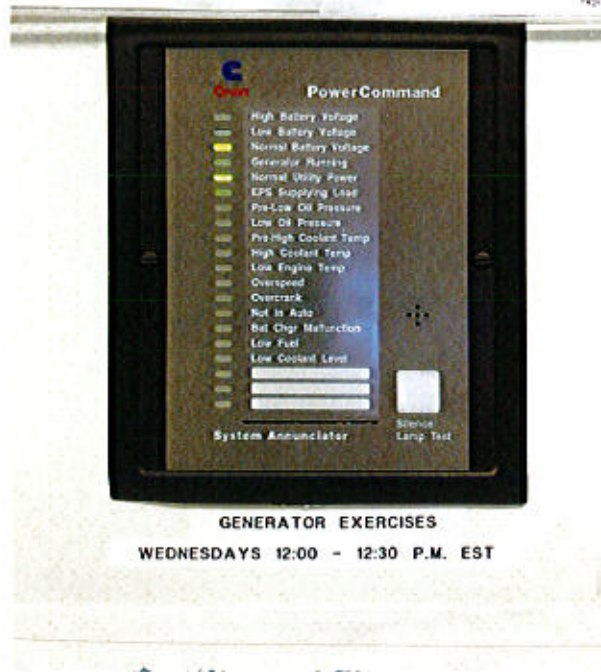


Tank monitoring system



17	24	25	27	32	35	39	42	46
17	24	25	27	32	35	39	42	46
17	24	25	27	32	35	39	42	46
18	21	24	27	32	35	39	42	46

25	27	31	34	37
25	27	31	34	37
25	27	31	34	37
25	27	31	34	37
25	27	31	34	37



Tank monitoring system

Surveys Performed

Asbestos, XRF, Hazardous Materials Inventory

**Asbestos Section**

( 2 ), PS1, Grey sticky penetration sealant.

Representative Photos



**Generator room exterior a side**

Sample Location	Generator room exterior a side
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2018-12-06
Time	14:25

**Generator room exterior a side**

Sample Location	Generator room exterior a side
Analyze by Layer	No
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2018-12-06
Time	14:25

**Material Information**

Sampled or Assumed?	Sampled
Material Acronym	PS1
Material Description	Grey sticky penetration sealant.
Is Material a Non-Friable Organically Bound (NOB)	Yes
Total Approximate Quantity	8 LF
Total Count	( 2 )

( 2 ), SHR, 1, Grey sheetrock and white joint compound

### Clerks office

Sample Location	Clerks office
Analyze by Layer	Yes
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2018-12-06
Time	14:30

### Clerks office

Sample Location	Clerks office
Analyze by Layer	Yes
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2018-12-06
Time	14:31

### Material Information

Sampled or Assumed?	Sampled
Material Acronym	SHR, 1
Material Description	Grey sheetrock and white joint compound
Is Material a Non-Friable Organically Bound (NOB)	No
Total Count	( 2 )

### XRF Section

Niton XRF Model No.	24792
XRF Survey Completed	Yes
XRF Data Downloaded	No
XRF Shots >1.0 on non-metallic building materials	No

### General Information

Signature



Signed 2018-12-06 19:24:44 UTC

Asbestos Samples Submitted to TRC Lab	No
App Name	WinBSI HBM Survey 1.0

### Generate Report Documentation

Cloud-based reporting is still actively being developed, but some features that are at an advanced stage of development may be used with the understanding that unexpected errors may occur occasionally. Please report any difficulties or errors to Justin Coleman.

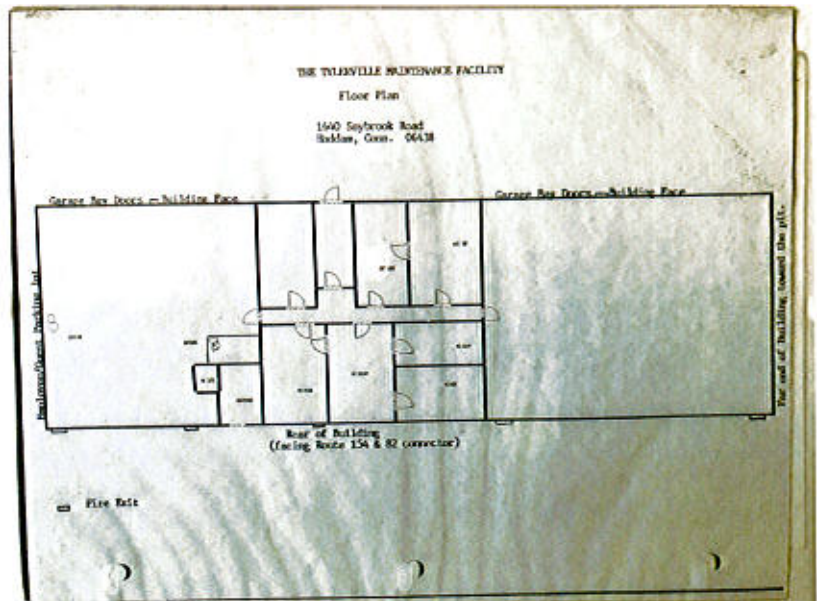
Where should the document(s) be sent?	hhernandez@trcsolutions.com
Generate Documents	N/A

**ConnDOT, Haddam Maintenance Facility, Middlesex, , Haddam, , CT, US, Route 9, Exit 7, Left At Light Onto Route 154,**

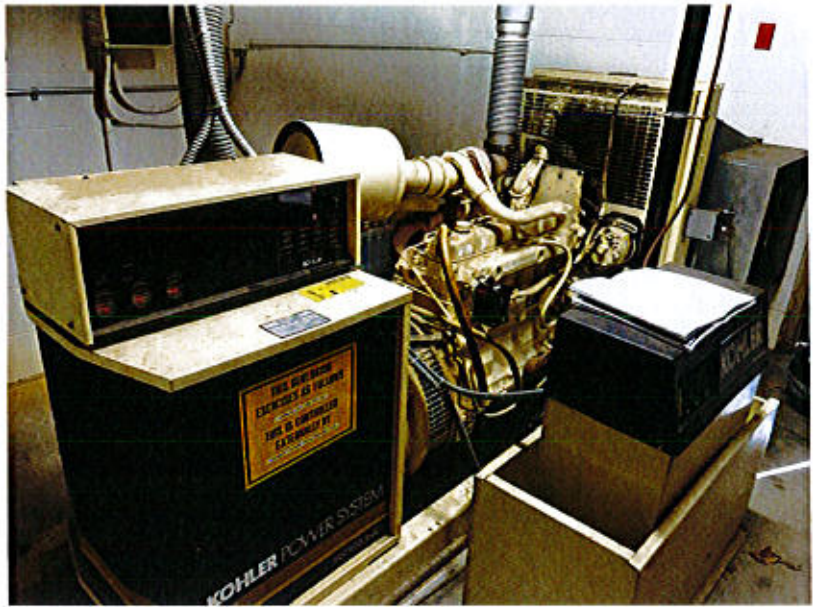
Created 2018-12-07 14:26:43 UTC by Brendan McClure  
Updated 2018-12-23 23:37:28 UTC by Hilton Hernandez  
Location 41.7046908103318, -72.6447166130623  
Status ■ Survey In Progress

**Job Information**

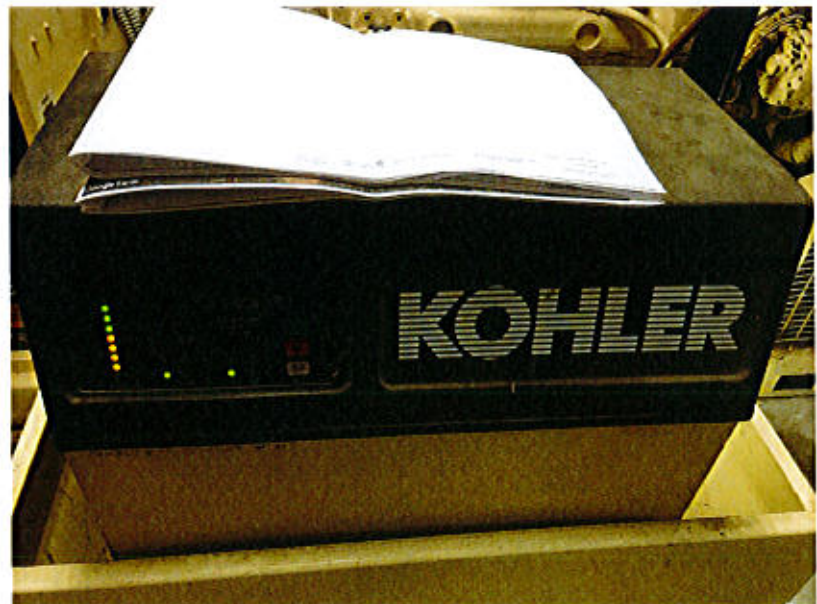
Site Name Haddam Maintenance Facility  
Address Route 9, Exit 7, Left At Light Onto Route 154  
Haddam, CT  
TRC Project Number 289951.5745.00710  
Project Manager Erik Plimpton, Stephen Arienti  
Inspector(s) Hilton Hernandez, Brendan McClure  
Client ConnDOT  
Type of Asbestos Survey Reno/Demo  
Additional Analysis for NOB Materials (Calc) TEM NY NOB 198.4  
PLM Turnaround Time (TAT) 24-hour  
TEM Turnaround Time (TAT) 24-hour  
Date 2018-12-07  
Overview Photo



Sure sketch



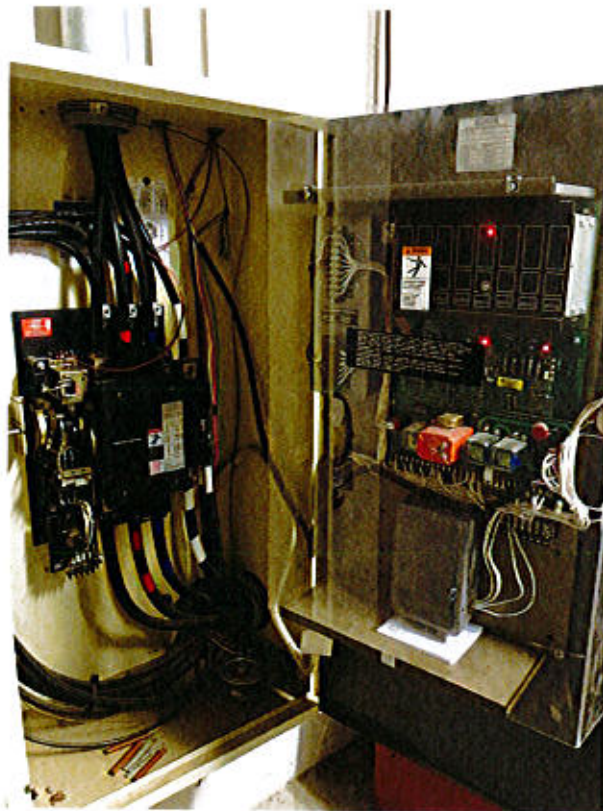
Generator



Generator control



Generator transfer and fuel tank



Inside generator transfer



Generator



Generator battery charger



Batteries

Surveys Performed

Asbestos, XRF, Hazardous Materials Inventory, PCB Bulks

## Asbestos Section

( 2 ), C, 1, Tan rubbery caulk

### Generator room exterior louvre

Sample Location

Generator room exterior louvre

Analyze by Layer

No

Asbestos Bulk Analysis

PLM EPA 600/R93/116

Grab or Composite

Grab

Date

2018-12-07

Time

14:05

### Generator room exterior louvre

Sample Location

Generator room exterior louvre

Analyze by Layer

No

Asbestos Bulk Analysis

PLM EPA 600/R93/116

Grab or Composite

Grab

Date

2018-12-07

Time

14:06

## Material Information

Sampled or Assumed?

Sampled

Material Acronym

C, 1

Material Description

Tan rubbery caulk

Is Material a Non-Friable Organically Bound (NOB)

Yes

Total Count

( 2 )



## ( 2 ), SHR, 1, Grey sheetrock and white joint compound

### Clerks office

Sample Location	Clerks office
Analyze by Layer	Yes
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2018-12-07
Time	14:00

### Clerks office

Sample Location	Clerks office
Analyze by Layer	Yes
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2018-12-07
Time	14:00

### Material Information

Sampled or Assumed?	Sampled
Material Acronym	SHR, 1
Material Description	Grey sheetrock and white joint compound
Is Material a Non-Friable Organically Bound (NOB)	No
Total Count	( 2 )

### PCB Bulk Section

## ( 1 ), C, 1, Tan rubbery exterior louvre caulk

### Generator room louvre

Sample Location	Generator room louvre
PCB Bulk Analysis	EPA 8082/3540C (Soxhlet)
Grab or Composite	Grab
Date	2018-12-07
Time	13:32

### Material Information

Accessible Material	Accessible
Material Interior or Exterior?	Exterior
Material Acronym	C, 1
Material Description	Tan rubbery exterior louvre caulk
Substrate Adjacent to Material	Brick, Metal
Exterior Ground Cover Below Material	Soil
Total Count	( 1 )

### XRF Section

Niton XRF Model No.	24792
---------------------	-------

XRF Survey Completed	No
XRF Data Downloaded	No
XRF Shots >1.0 on non-metallic building materials	No

### General Information

Asbestos Samples Submitted to TRC Lab	No
PCB Samples Submitted to Lab	No
App Name	WinBSI HBM Survey 1.0

### Generate Report Documentation

Cloud-based reporting is still actively being developed, but some features that are at an advanced stage of development may be used with the understanding that unexpected errors may occur occasionally. Please report any difficulties or errors to Justin Coleman.

Where should the document(s) be sent?	hhernandez@trcsolutions.com
Generate Documents	N/A

**ConnDOT, Hartford Bridge and Electrical Maintenance Facility, Hartford, , Hartford, 06120, CT, US,  
Jennings Rd, 49**

Created 2018-12-06 13:54:48 UTC by Brendan McClure  
Updated 2018-12-23 23:00:17 UTC by Hilton Hernandez  
Location 41.7858749370542, -72.6530477907036  
Status ■ Survey In Progress

**Job Information**

Site Name Hartford Bridge and Electrical Maintenance Facility  
Address 49 Jennings Rd  
Hartford, CT 06120  
TRC Project Number 289951.5745.00710  
Project Manager Stephen Arienti, Erik Plimpton  
Inspector(s) Hilton Hernandez, Brendan McClure  
Client ConnDOT  
Type of Asbestos Survey Reno/Demo  
Additional Analysis for NOB Materials (Calc) TEM NY NOB 198.4  
PLM Turnaround Time (TAT) 24-hour  
TEM Turnaround Time (TAT) 24-hour

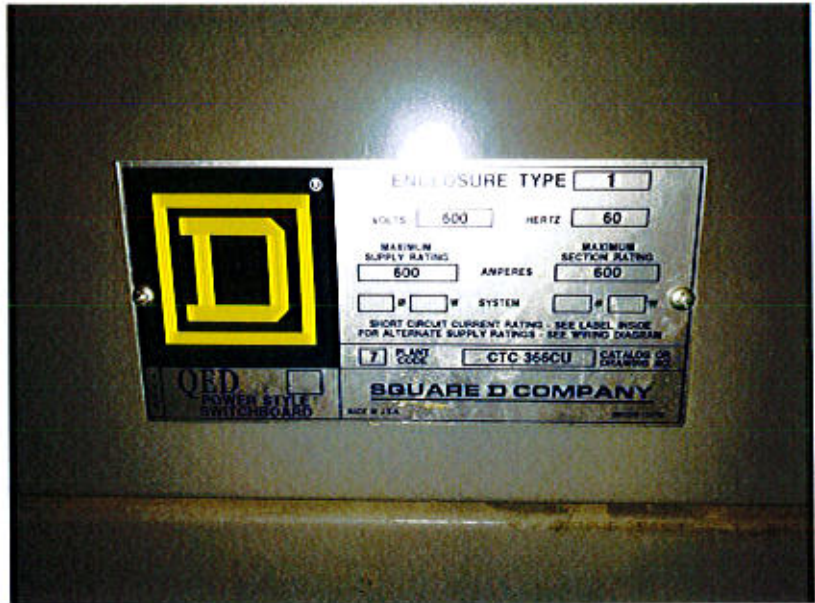
Date 2018-12-06

General Notes Generator Control Rm. Concrete floor. Suspect ACM on metal wall seams exterior. One layer block walls inside. Metal deck and truss ceiling. Suspect fire penetration sealant. Generator no suspect ACM. Has oils and lives and circuit board.

Overview Photo



Generator room panel



Generator room panel label



Generator panel



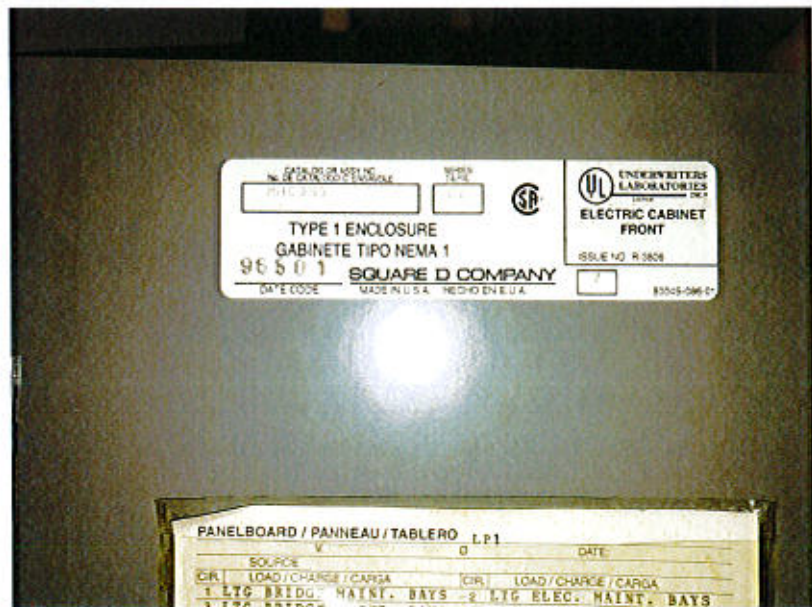
Generator panel label



Generator room panel



Generator room electrical panel



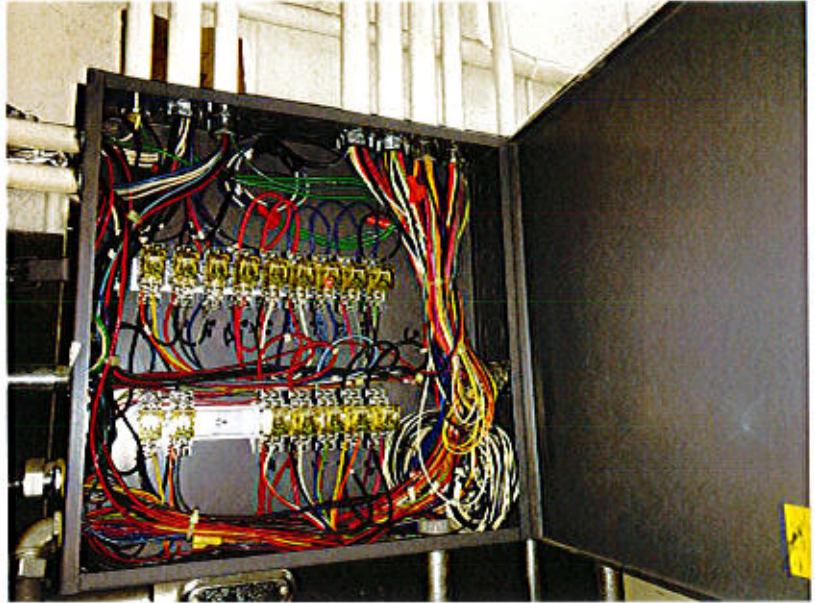
Electrical panel label



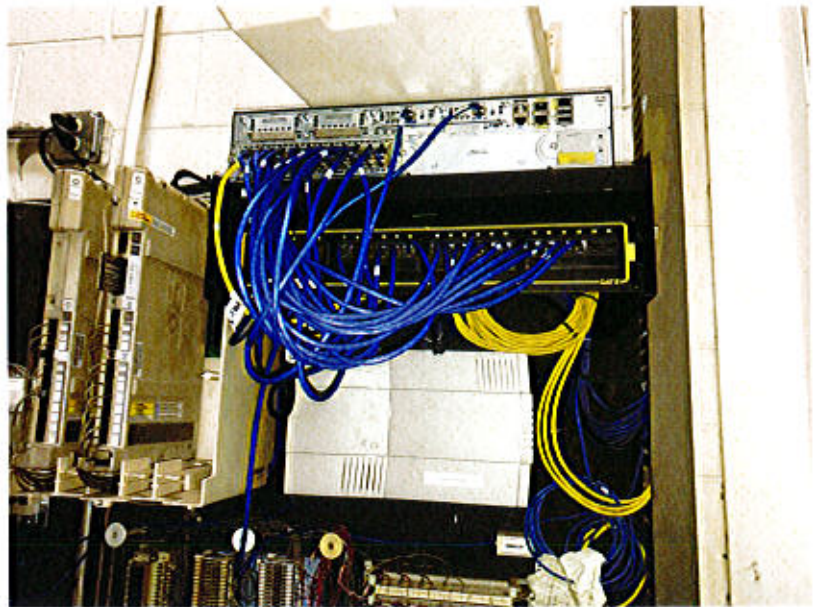
Generator room electrical panel



Trane Control boxes



Control box



Varios controls





Generator Control box



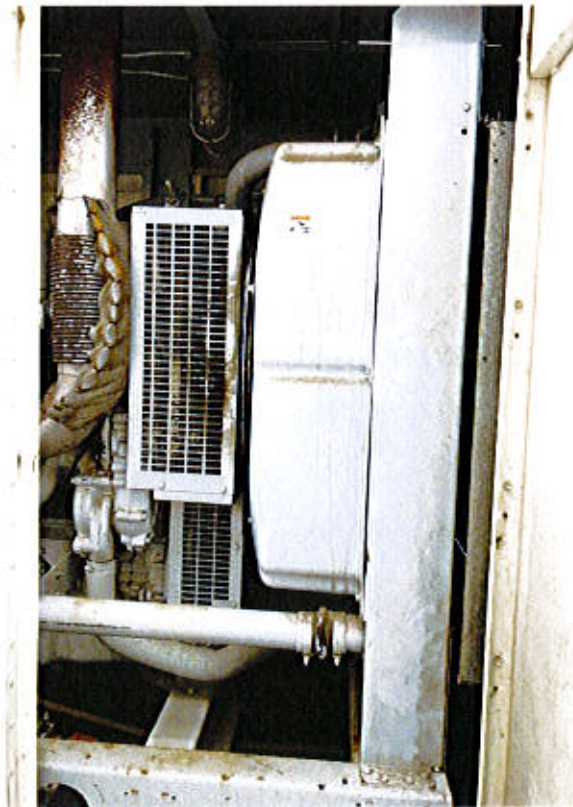
Generator



Inside generator



Electrical meter



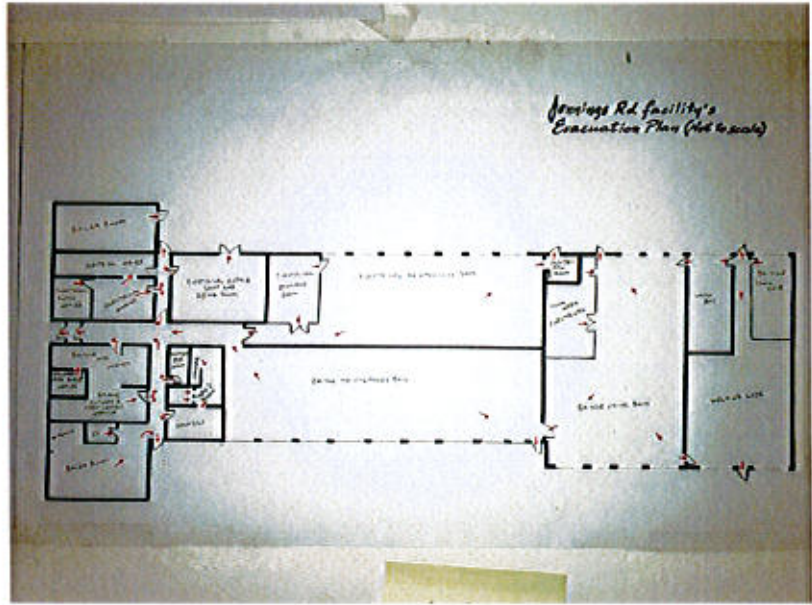
Inside generator



Inside generator







Surveys Performed

XRF, Asbestos, Hazardous Materials Inventory

### Asbestos Section

( 2 ), PS1, Red Rubbery Penetration sealant

Representative Photos



### Generator Control Room

Sample Location

Analyze by Layer

Generator Control Room

No

Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2018-12-06
Time	09:48

**Generator Control Room**

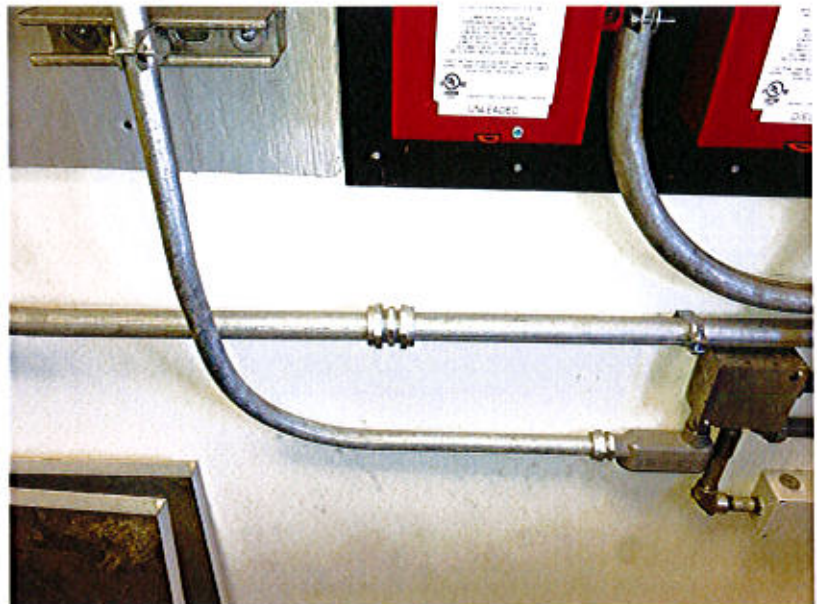
Sample Location	Generator Control Room
Analyze by Layer	No
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2018-12-06
Time	09:49

**Material Information**

Sampled or Assumed?	Sampled
Material Acronym	PS1
Material Description	Red Rubbery Penetration sealant
Is Material a Non-Friable Organically Bound (NOB)	Yes
Total Approximate Quantity	1/2 SF
Total Count	( 2 )

**( 2 ), SHR, 1, Grey sheetrock and off white joint compound**

Representative Photos



**Bridge Clerks Office**

Sample Location	Bridge Clerks Office
Analyze by Layer	Yes
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2018-12-06
Time	10:41

## Bridge Clerks Office

Sample Location	Bridge Clerks Office
Analyze by Layer	Yes
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2018-12-06
Time	10:41

## Material Information

Sampled or Assumed?	Sampled
Material Acronym	SHR, 1
Material Description	Grey sheetrock and off white joint compound
Is Material a Non-Friable Organically Bound (NOB)	No
Total Count	( 2 )

**( 2 ), SS1, Tan brittle metal wall siding seam sealant.**

Representative Photos



## A side exterior wall

Sample Location	A side exterior wall
Analyze by Layer	No
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2018-12-06
Time	10:13



## A side exterior wall

Sample Location	A side exterior wall
Analyze by Layer	No
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2018-12-06
Time	10:13

## Material Information

Sampled or Assumed?	Sampled
Material Acronym	SS1
Material Description	Tan brittle metal wall siding seam sealant.
Is Material a Non-Friable Organically Bound (NOB)	Yes
Total Count	( 2 )

## XRF Section

Niton XRF Model No.	24792
XRF Survey Completed	Yes
XRF Data Downloaded	No
XRF Shots >1.0 on non-metallic building materials	No

## HAZMAT Inventory Section

### Generator/Generator Control Room

Inventory Area Description	Generator/Generator Control Room
----------------------------	----------------------------------

### Connecticut Regulated Waste (CRW CR01-CR05), PCB Lamp Ballast (CR01)

HAZMAT Item Description	Connecticut Regulated Waste (CRW CR01-CR05), PCB Lamp Ballast (CR01)
HAZMAT Item Quantity	2

### Universal Waste (UW), Compact Fluorescent (Lamps)

HAZMAT Item Description	Universal Waste (UW), Compact Fluorescent (Lamps)
HAZMAT Item Quantity	4

### Universal Waste (UW), Control Panels (Circuit Boards)

HAZMAT Item Description	Universal Waste (UW), Control Panels (Circuit Boards)
HAZMAT Item Quantity	12

### Universal Waste (UW), Emergency Lighting (Batteries/Hg Lamps)

HAZMAT Item Description	Universal Waste (UW), Emergency Lighting (Batteries/Hg Lamps)
HAZMAT Item Quantity	1

### Universal Waste (UW), Motion Sensors/Heat Sensors (Circuit boards)

HAZMAT Item Description	Universal Waste (UW), Motion Sensors/Heat Sensors (Circuit boards)
HAZMAT Item Quantity	1

## Generator

Inventory Area Description Generator

**Connecticut Regulated Waste (CRW CR01-CR05), Miscellaneous Oil (CR02/03)**

HAZMAT Item Description Connecticut Regulated Waste (CRW CR01-CR05), Miscellaneous Oil (CR02/03)

**Universal Waste (UW), Control Panels (Circuit Boards)**

HAZMAT Item Description Universal Waste (UW), Control Panels (Circuit Boards)

HAZMAT Item Quantity 2

**Bridge Clerks Office**

Inventory Area Description Bridge Clerks Office

**Universal Waste (UW), Control Panels (Circuit Boards)**

HAZMAT Item Description Universal Waste (UW), Control Panels (Circuit Boards)

HAZMAT Item Quantity 1

**General Information**

Signature



Signed 2018-12-06 14:16:02 UTC

Asbestos Samples Submitted to TRC Lab No

App Name WinBSI HBM Survey 1.0

**Generate Report Documentation**

Cloud-based reporting is still actively being developed, but some features that are at an advanced stage of development may be used with the understanding that unexpected errors may occur occasionally. Please report any difficulties or errors to Justin Coleman.

Where should the document(s) be sent? hhernandez@trcsolutions.com

Generate Documents N/A

# ConnDOT, Mansfield Maintenance Facility, Tolland, , Mansfield, 06250, CT, US, North Frontage Rd, 100

Created 2018-12-06 15:55:26 UTC by Brendan McClure  
Updated 2018-12-23 23:12:03 UTC by Hilton Hernandez  
Location 41.7853847751783, -72.654285477542  
Status ■ Survey In Progress

## Job Information

Site Name Mansfield Maintenance Facility  
Address 100 North Frontage Rd  
Mansfield, CT 06250  
TRC Project Number 289951.5745.00710  
Project Manager Erik Plimpton, Stephen Arienti  
Inspector(s) Hilton Hernandez, Brendan McClure  
Client ConnDOT  
Type of Asbestos Survey Reno/Demo  
Additional Analysis for NOB Materials (Calc) TEM NY NOB 198.4  
PLM Turnaround Time (TAT) 24-hour  
TEM Turnaround Time (TAT) 24-hour  
Date 2016-12-06  
General Notes Electrical/Generator Control Room, concrete floor. CMU walls. Steel deck and trusses. No paint or suspect ACM. Inside room or outer walls. JH Shed . No suspect ACM.

## Overview Photo



Generator transfer switch



Alarm Control



Electrical meter



Electrical panel



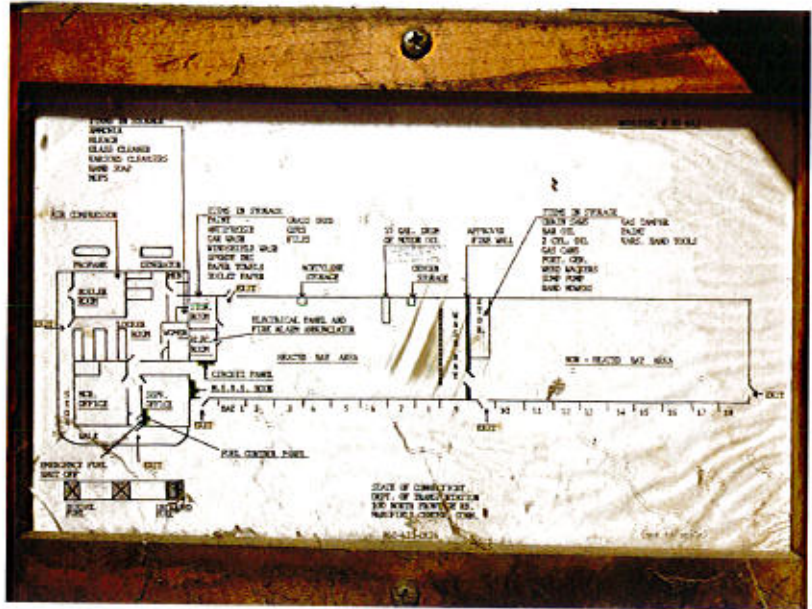
Electrical panel label



Transfer switch q



Generator room ceiling



Building sketch





Generator electrical panel



Generator electrical panel





Propane tank



Generator



UST covers



Generator



Inside generator



Inside generator



Inside geo



Inside generator control

Surveys Performed

Asbestos, XRF, Hazardous Materials Inventory

Asbestos Section

( 2 ), SW1, Grey stucco wall

Representative Photos



**A side office exterior**

Sample Location	A side office exterior
Analyze by Layer	No
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2018-12-06
Time	12:58

**A side office exterior**

Sample Location	A side office exterior
Analyze by Layer	No
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2018-12-06
Time	12:58

**Material Information**

Sampled or Assumed?	Sampled
Material Acronym	SW1
Material Description	Grey stucco wall
Is Material a Non-Friable Organically Bound (NOB)	No
Total Count	( 2 )

**XRF Section**

Niton XRF Model No.	24792
XRF Survey Completed	Yes
XRF Data Downloaded	No
XRF Shots >1.0 on non-metallic building materials	No

### HAZMAT Inventory Section

#### Electrical/Generator Control Room

Inventory Area Description	Electrical/Generator Control Room
----------------------------	-----------------------------------

#### Universal Waste (UW), Control Panels (Circuit Boards)

HAZMAT Item Description	Universal Waste (UW), Control Panels (Circuit Boards)
HAZMAT Item Quantity	1

#### Jet Hanger Shed

Inventory Area Description	Jet Hanger Shed
----------------------------	-----------------

#### Universal Waste (UW), Control Panels (Circuit Boards)

HAZMAT Item Description	Universal Waste (UW), Control Panels (Circuit Boards)
HAZMAT Item Quantity	2

### General Information

Signature



Signed 2018-12-06 17:25:27 UTC

Asbestos Samples Submitted to TRC Lab	No
App Name	WinBSI HBM Survey 1.0

### Generate Report Documentation

Cloud-based reporting is still actively being developed, but some features that are at an advanced stage of development may be used with the understanding that unexpected errors may occur occasionally. Please report any difficulties or errors to Justin Coleman.

Where should the document(s) be sent?	hhernandez@trcsolutions.com
Generate Documents	N/A

**ConnDOT, Rocky Hill Central Warehouse Facility, Hartford, , Rocky Hill, 06067, CT, US, Brook Street, 660**

Created 2018-12-06 16:10:36 UTC by Brendan McClure  
Updated 2018-12-23 23:26:49 UTC by Hilton Hernandez  
Location 41.7610344394151, -72.5033879919837  
Status ■ Survey In Progress

**Job Information**

Site Name Rocky Hill Central Warehouse Facility  
Address 660 Brook Street  
Rocky Hill, CT 06067  
TRC Project Number 289951.5745.00710  
Project Manager Erik Plimpton, Stephen Arienti  
Inspector(s) Hilton Hernandez, Brendan McClure  
Client ConnDOT  
Type of Asbestos Survey Reno/Demo  
Additional Analysis for NOB Materials (Calc) TEM NY NOB 198.4  
PLM Turnaround Time (TAT) 24-hour  
TEM Turnaround Time (TAT) 24-hour  
Date 2018-12-07  
Overview Photo



Generator annunciator

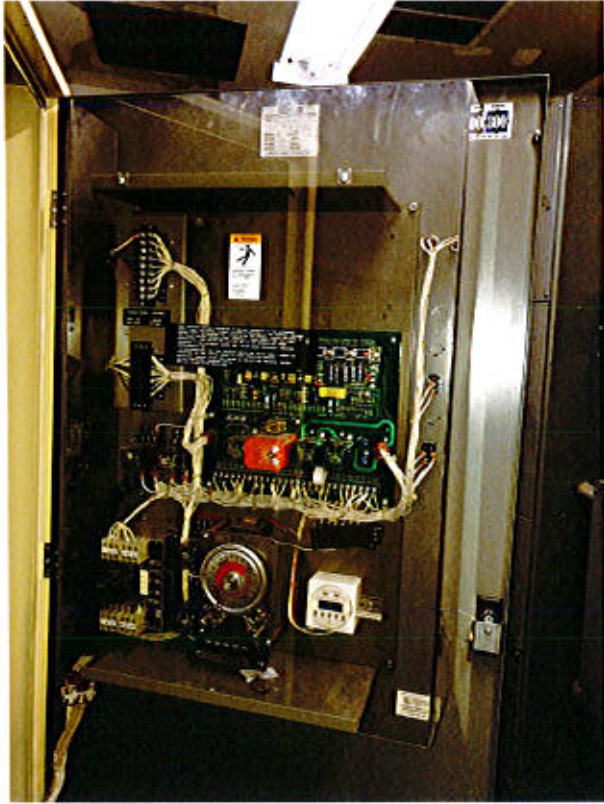


Electrical room

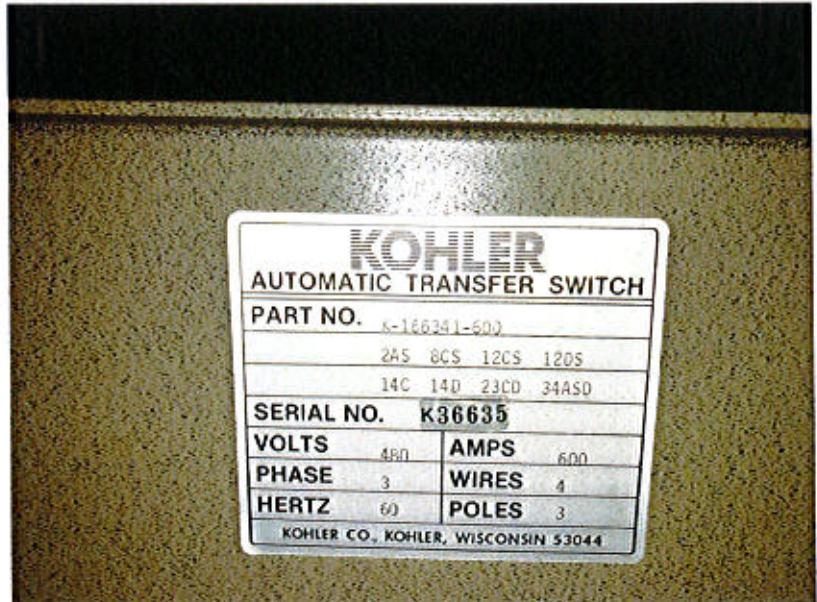


Generator transfer





Inside generator transfer



Transfer label



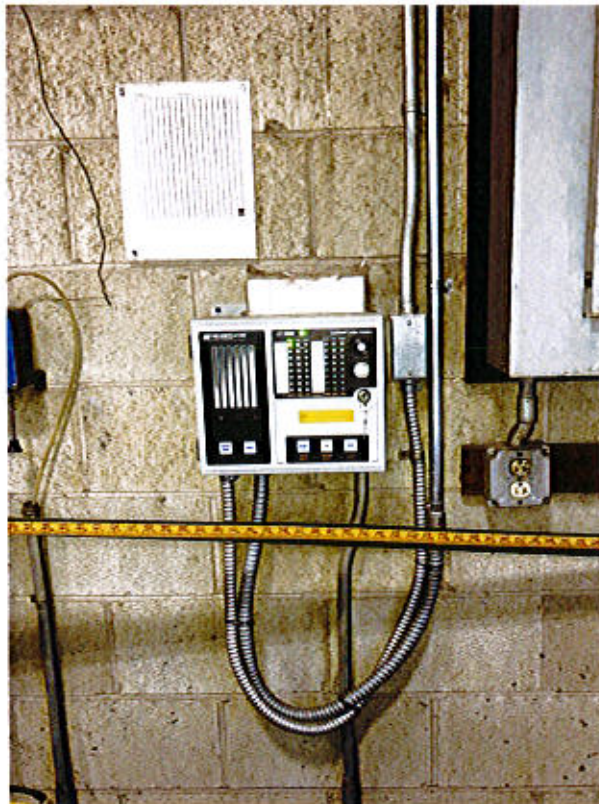
Generator transfer



Electrical panel



Electrical panels



Tank monitoring system

**Asbestos Section**

**( 2 ), SHR, 1, Grey sheetrock and white joint compound**

**Electrical room**

Sample Location	Electrical room
Analyze by Layer	Yes
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2018-12-07
Time	08:34

**Electrical room**

Sample Location	Electrical room
Analyze by Layer	Yes
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2018-12-07
Time	08:35

**Material Information**

Sampled or Assumed?	Sampled
Material Acronym	SHR, 1
Material Description	Grey sheetrock and white joint compound
Is Material a Non-Friable Organically Bound (NOB)	No
Total Count	( 2 )

**XRF Section**

Niton XRF Model No.	24792
XRF Survey Completed	Yes
XRF Data Downloaded	No
XRF Shots >1.0 on non-metallic building materials	No

**General Information**

Signature



Signed 2018-12-10 21:03:34 UTC

Asbestos Samples Submitted to TRC Lab	No
App Name	WinBSI HBM Survey 1.0

## Generate Report Documentation

Cloud-based reporting is still actively being developed, but some features that are at an advanced stage of development may be used with the understanding that unexpected errors may occur occasionally. Please report any difficulties or errors to Justin Coleman.

Where should the document(s) be sent?

hhernandez@trcsolutions.com

Generate Documents

N/A