REVISED SURVEY REPORT

PRE-RENOVATION INVESTIGATIVE SURVEY FOR HAZARDOUS BUILDING MATERIALS

BROOKFIELD MAINTENANCE FACILITY MAIN BUILDING BROOKFIELD, CONNECTICUT

Project No. 34-350

Prepared for

State of Connecticut
Department of Transportation
Newington, Connecticut

Prepared by

TRC
Windsor, Connecticut

REVISED
January 2019

PRE-RENOVATION
INVESTIGATIVE SURVEY FOR
HAZARDOUS BUILDING MATERIALS

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MAIN BUILDING
BROOKFIELD, CONNECTICUT

Project No. 34-350

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REVISED – January 2019

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TABLE OF CONTENTS

PROJECT OUTLINE

DOT Project No.:	34-350
Assignment No.:	514-5616
DOT Project Manager:	Michael F. Bedson, EIT
Site Address:	Brookfield Maintenance Facility – Main Building 1050 Federal Road, Brookfield, CT
TRC Project No.:	222165.5616.0710
Asbestos Inspector:	Thomas Martin (LIC #000014) Kelly Grey (LIC #000320)
Lead Inspector:	Kelly Grey (LIC #002267)
Environmental Technical Assistant:	Zachary Smith/Carmen Jacko
Date(s) of Inspection:	7/3/17-7/6/17 & 11/29/18
Asbestos Identified:	Yes
Lead Paint Identified:	Yes
Gen. Bldg. Mat. Haz Waste:	No
Add'l Haz./Reg. Mat./Waste/Items:	Yes (See Table 6)
EPA PCB Bulk Product Waste Caulk:	No
CTDEEP State Regulated PCB Caulk:	Yes

Asbestos Removal Cost Estimate:	**$ 2,270**
Haz/Reg Materials/Wastes/Items Removal Cost Estimate:	**$ 6,620**

Additional Notes:

The property consists of a one-story brick garage maintenance building currently subject to future renovation. Associated motor fuel island and various fuel/waste oil underground storage tanks (USTs) are to be removed during a prior renovation project. Oil-water separator and tank monitoring system are to remain onsite. The building was still occupied at the time of the inspection; therefore utilities were not shut-off prior to arrival, including electric, gas, telephone, and municipal water source. Municipal sanitary system services the building. Hydraulic lifts/floor drains are located in various bays and groundwater monitoring wells (GWMW) can be found on the exterior A and D-sides of the building.

TABLES

TABLE 1
BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
BROOKFIELD MAINTENANCE FACILITY – MAIN BUILDING
BROOKFIELD, CONNECTICUT

Sample No.	Sample Location	Type of Homogeneous Material	% and Type Asbestos
2001 EnviroMed Bulk Sampling Data			
1	Ground floor Boiler Room/Chimney	Breeching cement ***(no longer present at 2017 TRC inspection)***	5%
2	Ground floor Boiler Room/Chimney	Breeching cement ***(no longer present at 2017 TRC inspection)***	50%
3	Ground floor Boiler Room/Chimney	Breeching cement ***(no longer present at 2017 TRC inspection)***	5%
4	Ground floor – Generator Room	Mudded pipe joint insulation ***(no longer present at 2017 TRC inspection)***	50%
5	Ground floor – Generator Room	Mudded pipe joint insulation ***(no longer present at 2017 TRC inspection)***	50%
6	Ground floor – Generator Room	Mudded pipe joint insulation ***(no longer present at 2017 TRC inspection)***	50%
7	Ground floor – Office 1	FT1 – 12x12 tan vinyl floor tile ***(no longer present at 2017 TRC inspection)***	4%
8	Ground floor – Office 2	FT1 – 12x12 tan vinyl floor tile ***(no longer present at 2017 TRC inspection)***	5%
9	Ground floor – Office 1	FT1 – mastic under 12x12 tan vinyl floor tile ***(no longer present at 2017 TRC inspection)***	NAD
10	Ground floor – Office 2	FT1 – mastic under 12x12 tan vinyl floor tile ***(no longer present at 2017 TRC inspection)***	<1%
11	Ground floor – Office 1	CB1 – 4" brown cove molding ***(no longer present at 2017 TRC inspection)***	NAD
12	Ground floor – Office 2	CB1 – 4" brown cove molding ***(no longer present at 2017 TRC inspection)***	NAD
13	Ground floor – Office 1	CB1 – glue behind 4" brown cove molding	NAD
14	Ground floor – Office 2	CB1 – glue behind 4" brown cove molding	NAD
15	Ground floor – Office 1	CT1 – 2x4 suspended ceiling tile (with worms & holes)	NAD
16	Ground floor – Office 2	CT1 – 2x4 suspended ceiling tile (with worms & holes)	NAD
17	Ground floor – Bays 12 & 13 window	RW – window glazing (type I) ***(no longer present at 2017 TRC inspection)***	NAD

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 Result confirmed by TEM analyses
* Quantified by PLM Point Counting techniques

TABLE 1 (...continued)
BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
BROOKFIELD MAINTENANCE FACILITY – MAIN BUILDING
BROOKFIELD, CONNECTICUT

Sample No.	Sample Location	Type of Homogeneous Material	% and Type Asbestos
18	Ground floor – Bay 9 window	RW – window glazing (type I) ***(no longer present at 2017 TRC inspection)***	NAD
19	Ground floor- Bay 1 window	RW – window glazing (type I) ***(no longer present at 2017 TRC inspection)***	NAD
20	Ground floor – Bays 12 & 13 window	RW – window glazing (type II) ***(no longer present at 2017 TRC inspection)***	NAD
21	Ground floor – Bay 9 window	RW – window glazing (type II) ***(no longer present at 2017 TRC inspection)***	NAD
22	Ground floor- Bay 3 window	RW – window glazing (type II) ***(no longer present at 2017 TRC inspection)***	NAD
23	Ground floor – Office 1 window	WG1 – window glazing (type III)	NAD
24	Ground floor – Office 1 window	WG1 – window glazing (type III)	NAD
25	Ground floor – Office 1 window	WG1 – window glazing (type III)	NAD
26	Ground floor- Women's Room window	Window glazing (type IV) ***(no longer present at 2017 TRC inspection)***	NAD
27	Ground floor – Men's Room window	Window glazing (type IV) ***(no longer present at 2017 TRC inspection)***	NAD
28	Ground floor – Office 1 window	Window glazing (type IV) ***(no longer present at 2017 TRC inspection)***	NAD
29	***Void***	***Void***	***Void***
30	***Void***	***Void***	***Void***
31	Ground floor – Office 1	C1 – door frame caulking	NAD
32	Ground floor – Hall	C1 – door frame caulking	NAD
33	Roof 2	Patching cement ***(gone as of 2017)***	10%
34	Roof 1	Patching cement ***(gone as of 2017)***	12%
35	Roof 2 wall	Flashing cement	45%
36	Roof 3 wall	Flashing cement	40%
37	Roof 2 edge	Flashing cement	45%
38	Roof 1 edge	Flashing cement	30%
39	Roof 2 counter flashing	Brown caulking ***(gone as of 2017)***	NAD
40	Roof 1 parapet cap	Brown caulking ***(gone as of 2017)***	NAD

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TABLE 1 (continued)
BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
BROOKFIELD MAINTENANCE FACILITY – MAIN BUILDING
BROOKFIELD, CONNECTICUT

Sample No.	Sample Location	Type of Homogeneous Material	% and Type Asbestos
41	Roof 2	Built-up roofing material – top layer *(gone as of 2017)*	NAD
42	Roof 2	Built-up roofing material – second layer *(gone as of 2017)*	NAD
43	Roof 2	Built-up roofing material – third layer *(gone as of 2017)*	NAD
44	Roof 2	Built-up roofing material – fourth layer *(gone as of 2017)*	NAD
45	Roof 2	Built-up roofing material – fifth layer *(gone as of 2017)*	NAD
46	Roof 2	Built-up roofing material – sixth layer *(gone as of 2017)*	NAD
47	Roof 2	Built-up roofing material – seventh layer *(gone as of 2017)*	NAD
48	Roof 2	Built-up roofing material – bottom layer *(gone as of 2017)*	NAD
49	Roof 1	Built-up roofing material – top layer *(gone as of 2017)*	NAD
50	Roof 1	Built-up roofing material – second layer *(gone as of 2017)*	NAD
51	Roof 1	Built-up roofing material – third layer *(gone as of 2017)*	NAD
52	Roof 1	Built-up roofing material – fourth layer *(gone as of 2017)*	NAD
53	Roof 1	Built-up roofing material – fifth layer *(gone as of 2017)*	NAD
54	Roof 1	Built-up roofing material – sixth layer *(gone as of 2017)*	NAD
55	Roof 1	Built-up roofing material – seventh layer *(gone as of 2017)*	NAD
56	Roof 1	Built-up roofing material – eighth layer *(gone as of 2017)*	NAD
57	Roof 1	Built-up roofing material – bottom layer *(gone as of 2017)*	NAD
58	Ground floor – Locker Room	SHR1 – wallboard/sheetrock	NAD
59	Ground floor – Locker Room	SHR1 – wallboard/sheetrock	NAD

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NAD No asbestos detected
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TABLE 1 (...continued)
BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
BROOKFIELD MAINTENANCE FACILITY – MAIN BUILDING
BROOKFIELD, CONNECTICUT

Sample No.	Sample Location	Type of Homogeneous Material	% and Type Asbestos
60	Ground floor – Locker Room	SHR1 – wallboard/joint compound	NAD
61	Ground floor – Locker Room	SHR1 – wallboard/joint compound	NAD
62	Ground floor – Locker Room	SHR1 – wallboard/joint compound	NAD
2017 TRC Confirmation/Supplemental Bulk Sampling Data			
1	Bay 4 loft	CP11 – white fiberglass end sealant	ND
2	Women's room	CP11 – white fiberglass end sealant	ND
3	Office 2	PI1 – paper/foil/tar pipe insulation wrap on fiberglass 1" line	ND
4	Bay 4 loft	PI1 – paper/foil/tar pipe insulation wrap on fiberglass 1" line	ND
5	Bay 9	PI1 – paper/foil/tar pipe insulation wrap on fiberglass 1" line	ND
6	Generator room	DWG1 – sticky, grey door window glaze	ND
7	Generator room	DWG1 – sticky, grey door window glaze	ND[1]
8	Bay 5	DWG2 – black, soft door window glaze	ND
9	Bay 5	DWG2 – black, soft door window glaze	ND[1]
10	Bay 4	DWG3 – black, pliable door window glaze	ND
11	Bay 4	DWG3 – black, pliable door window glaze	ND[1]
12	Library	EJ1 – black, tar-like floor expansion joint material	ND
13	Bay 13	EJ1 – black, tar-like floor expansion joint material	Trace chrysotile[1]
14	Bay 13	EJ2 – brown, fibrous floor expansion joint material	ND
15	Bay 11	EJ2 – brown, fibrous floor expansion joint material	ND
16	Office 1	C1 – white, flexible door caulk	Trace chrysotile[1]
17	Exterior – D side o/s Generator Room	C2 – exterior, beige brittle vent caulk	3% chrysotile
18	Exterior – D side o/s Generator Room	C2 – exterior, beige brittle vent caulk	NA/PS

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ND<1% Non-detected, less than 1%
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1 Result confirmed by TEM analyses
* Quantified by PLM Point Counting techniques

TABLE 1 (...continued)
BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
BROOKFIELD MAINTENANCE FACILITY – MAIN BUILDING
BROOKFIELD, CONNECTICUT

Sample No.	Sample Location	Type of Homogeneous Material	% and Type Asbestos
19	Office 1	WG1 – interior, brittle grey window glazing on 9 pane metal sash windows	Trace chrysotile[1]
20	Office 1	G1 – tan glue associated with former covebase in Offices 1 & 2	ND[1]

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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 Result confirmed by TEM analyses
* Quantified by PLM Point Counting techniques

TABLE 2
IDENTIFIED ASBESTOS CONTAINING MATERIALS (>1%)
BROOKFIELD MAINTENANCE FACILITY – MAIN BUILDING
BROOKFIELD, CONNECTICUT

Material	Sampled/ Assumed (mo/yr)	General Location	NESHAP Category	AHERA Category	Estimated Quantity
Flashing cement	3/01 EnviroMed	Remnants remaining on Roof 1 HVAC	Category I Non-friable	Miscellaneous	4 SF
C2 – exterior, beige brittle vent caulk	7/17 TRC	Exterior – D side o/s Generator Room	Category II Non-friable	Miscellaneous	8 LF (1 vent)

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
CONFIRMED NON-ASBESTOS CONTAINING MATERIALS (<1%)
BROOKFIELD MAINTENANCE FACILITY – MAIN BUILDING
BROOKFIELD, CONNECTICUT

Material	General Location
CT1 – 2x4 suspended ceiling tile (with worms & holes)	Ground floor – Offices 1 & 2
WG1 – window glazing (type III)	Ground floor – Office 1 windows
C1 – door frame caulking	Ground floor – Hall, Office 1, Office 2, Boiler Room, Bay 4 interior of door, Bay 9 door to exterior, exterior Bay 1 around electrical outlet, exterior Boiler Room above upper vent, exterior Bay 9, exterior Bay 10 around conduit
SHR1 – wallboard/sheetrock & joint compound	Ground floor – Locker Room, Library
CP11 – white fiberglass end sealant	Men's Room, Women's Room, Bay 1, Bay 4 loft, Bay 10
PI1 – paper/foil/tar pipe insulation wrap on fiberglass 1" line	Office 2, Bay 4 loft, running length of Bay 4 through Bay 9, Bay 10, Bay 1, Bay 2, Bay 3, Men's Room, Women's Room, Hallway
DWG1 – sticky, grey door window glaze	Generator Room exterior door, Bay 1 door to exterior, Bay 9 door to exterior
DWG2 – black, soft door window glaze	Bay 5 door to Bay 10, Bay 13 door to exterior
DWG3 – black, pliable door window glaze	Bay 4
EJ1 – black, tar-like floor expansion joint material	Bay 1, Bay 3, Bay 10, Bay 13, Library
EJ2 – brown, fibrous floor expansion joint material	Bays 1-13
CB1/G1 – tan glue associated with former cove base in Offices 1 & 2	Office 1, Office 2 (remnants)

** However, associated layers are positive.*

TABLE 4
SUMMARY OF LEAD PAINT XRF MEASUREMENTS
BROOKFIELD MAINTENANCE FACILITY – MAIN BUILDING
BROOKFIELD, CONNECTICUT

Structure	No. of Measurements	Calibrations	Void	Lead Detected	No Lead Detected
2011 EnviroMed XRF Measurements Maintenance Facility Main Building	186	5	0	95	86
2017 TRC Confirmation/Verification XRF Measurements Maintenance Facility Main Building	214	9	0	80	125

See Lead Paint XRF Measurement Table in Appendix H.

TABLE 5
SUMMARY OF COMPOSITE BUILDING MATERIAL WASTE CHARACTERIZATION
BROOKFIELD MAINTENANCE FACILITY – MAIN BUILDING
BROOKFIELD, CONNECTICUT

Waste Stream	Metal	mg/L Leachate	Hazardous/Non-Hazardous
Bays 10, 11, 12 Bldg. Material Composite (Excluding metal substrates)	Arsenic	---	Analyte not tested
	Barium	---	Analyte not tested
	Cadmium	---	Analyte not tested
	Chromium	---	Analyte not tested
	Lead	1.9	Non-Hazardous
	Mercury	---	Analyte not tested
	Selenium	---	Analyte not tested
	Silver	---	Analyte not tested

The sample was analyzed following the Toxicity Characteristic Leaching Procedure (TCLP) for the Resource Conservation Recovery Act (RCRA) Metals most likely to be present in this type of structure. The sample was a composite of wood, wallboard, brick, flooring, roofing and other building materials and was collected per CTDEEP sampling guidelines in approximate percent by weight proportions to represent the building as a whole. The sample did not include any metal components, as metal items 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. In most instances, the sample will not include foundation materials (concrete/stone/etc.), as these materials are used as clean fill during the demolition process and are therefore not part of the waste disposal stream.

See Appendix I for results.

BDL - Below Detection Limit
ND - Not Detected

TABLE 6
INVENTORY OF ADDITIONAL HAZARDOUS/REGULATED MATERIALS, WASTES AND ITEMS IDENTIFIED
BROOKFIELD MAINTENANCE FACILITY – MAIN BUILDING
BROOKFIELD, CONNECTICUT

Quantity	Size	Material/Item	General Location	Potential Hazard
Eight (8)		Halogen lights	Bay 1	UW – Hg lamps
Three (3)		HID lights	Bay 1	UW – Hg lamps
One (1)		Illuminated exit sign	Bay 1	UW – used electronics (printed circuit boards) UW – Hg lamp
One (1)		Fire extinguisher	Bay 1	CRW – waste chemical solid
Four (4)		Halogen lights	Bay 2	UW – Hg lamps
Three (3)		Fluorescent lights	Bay 2	UW – Hg lamps
Three (3)		HID lights	Bay 2	UW – Hg lamps
One (1)		Fire extinguisher	Bay 2	CRW – waste chemical solid
Four (4)		Halogen lights	Bay 3	UW – Hg lamps
Six (6)		HID lights	Bay 3	UW – Hg lamps
One (1)		Illuminated exit sign	Bay 3	UW – used electronics (printed circuit boards) UW – Hg lamp
One (1)		Fire extinguisher	Bay 3	CRW – waste chemical solid
One (1)		Thermostat	Bay 3	UW – Hg ampoule
One (1)		Refrigerator	Bay 4	CFCs/Freon
One (1)		Alarm control panel	Bay 4	UW – used electronics (printed circuit boards)
One (1)		Emergency light	Bay 4	UW – Hg lamps UW – used electronics (printed circuit boards) UW – batteries (Ni-Cd battery or Pb-acid battery)
One (1)		Thermostat	Bay 4	UW – Hg ampoule
One (1)		Exit sign	Bay 4	UW – used electronics (printed circuit boards) UW – Hg lamp

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
BROOKFIELD MAINTENANCE FACILITY – MAIN BUILDING
BROOKFIELD, CONNECTICUT

Quantity	Size	Material/Item	General Location	Potential Hazard
Four (4)		4' fluorescent bulbs/ballast	Bay 4	UW – Hg lamps CRW – PCB ballasts
Two (2)		HID lights	Bay 4	UW – Hg lamps
Eight (8)		HID lights	Bays 5-9	UW – Hg lamps
Five (5)		Fluorescent lights	Bays 5-9	UW – Hg lamps
Thirty two (32)		4' fluorescent bulbs/ballast	Bays 5-9	UW – Hg lamps CRW – PCB ballasts
Two (2)		Halogen lights	Bays 5-9	UW – Hg lamps
One (1)		Hydraulic lift	Bay 8	CRW – hydraulic oil
One (1)		Hydraulic tank	Bay 8	CRW – hydraulic oil
One (1)		Exit sign	Bay 9	UW – used electronics (printed circuit boards) UW – Hg lamp
One (1)		GPS Remote Station	Bay 9	UW – used electronics (printed circuit boards)
One (1)		Hydraulic lift	Bay 9	CRW – hydraulic oil
One (1)		Hydraulic tank	Bay 9	CRW – hydraulic oil
Various		Floor drains	Bays 1, 2, 3, 4, 6, 7, 12	CRW – waste chemical liquid/sludge, RCRA sludge, PCB
Four (4)		4' fluorescent bulbs/ballast	Tool Room	UW – Hg lamps CRW – PCB ballasts
Eight (8)		4' fluorescent bulbs/ballast	Hallway	UW – Hg lamps CRW – PCB ballasts
One (1)		Fire extinguisher	Hallway	CRW – waste chemical solid
One (1)		Emergency light	Hallway	UW – Hg lamps UW – used electronics (printed circuit boards) UW – batteries (Ni-Cd battery or Pb-acid battery)

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
BROOKFIELD MAINTENANCE FACILITY – MAIN BUILDING
BROOKFIELD, CONNECTICUT

Quantity	Size	Material/Item	General Location	Potential Hazard
Four (4)		4' fluorescent bulbs/ballast	Men's Room	UW – Hg lamps CRW – PCB ballasts
Four (4)		4' fluorescent bulbs/ballast	Locker Room	UW – Hg lamps CRW – PCB ballasts
Two (2)		4' fluorescent bulbs/ballast	Library	UW – Hg lamps CRW – PCB ballasts
One (1)		Hand sanitizer	Library	CRW – waste chemical liquid
Two (2)		4' fluorescent bulbs/ballast	Women's Room	UW – Hg lamps CRW – PCB ballasts
One (1)		Exit sign	Bays 12 & 13	UW – used electronics (printed circuit boards) UW – Hg lamp
One (1)		Fire extinguisher	Bays 12 & 13	CRW – waste chemical solid
Three (3)		HID lights	Bays 12 & 13	UW – Hg lamps
One (1)		Emergency light	Bays 12 & 13	UW – Hg lamps UW – used electronics (printed circuit boards) UW – batteries (Ni-Cd battery or Pb-acid battery)
Fourteen (14)		4' fluorescent bulbs/ballast	Bays 12 & 13	UW – Hg lamps CRW – PCB ballasts
One (1)		Hydraulic tank	Bay 12	CRW – hydraulic oil
One (1)		Hydraulic lift	Bay 13	CRW – hydraulic oil
One (1)		Mercury thermostat	Office 1	UW – Hg ampoule
Four (4)		U-shaped fluorescent bulbs/ballasts	Office 1	UW – Hg lamps CRW – PCB ballasts
Four (4)		4' fluorescent bulbs/ballast	Office 1	UW – Hg lamps CRW – PCB ballasts
One (1)		Smoke detector	Office 1	UW – used electronics (printed circuit boards) Low-level radioactive waste

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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
BROOKFIELD MAINTENANCE FACILITY – MAIN BUILDING
BROOKFIELD, CONNECTICUT

Quantity	Size	Material/Item	General Location	Potential Hazard
One (1)		Ceiling-mounted A/C	Office 1	CFCs/Freon
One (1)		Mercury thermostat	Office 2	UW – Hg ampoule
Four (4)		U-shaped fluorescent bulbs/ballasts	Office 2	UW – Hg lamps CRW – PCB ballasts
Four (4)		4' fluorescent bulbs/ballast	Office 2	UW – Hg lamps CRW – PCB ballasts
One (1)		Smoke detector	Office 2	UW – used electronics (printed circuit boards) Low-level radioactive source
One (1)		Ceiling-mounted A/C	Office 2	CFCs/Freon
One (1)		Emergency light	"Stores"/Bay 10	UW – Hg lamps UW – used electronics (printed circuit boards) UW – batteries (Ni-Cd battery or Pb-acid battery)
One (1)		Exit sign	"Stores"/Bay 10	UW – used electronics (printed circuit boards) UW – Hg lamp
One (1)		UST mngt system	"Stores"/Bay 10	UW – used electronics (printed circuit boards)
Sixty (60)		4' fluorescent bulbs/ballast	"Stores"/Bay 10	UW – Hg lamps CRW – PCB ballasts
One (1)		Fire extinguisher	"Stores"/Bay 10	CRW – waste chemical solid
One (1)		Small refrigerator	"Stores"/Bay 10	CFCs/Freon
Four (4)		4' fluorescent bulbs/ballast	Bay 11	UW – Hg lamps CRW – PCB ballasts
One (1)		Fire extinguisher	Bay 11	CRW – waste chemical solid
One (1)		Smoke detector	Bay 11 (loft)	UW – used electronics (printed circuit boards) Low-level radioactive source
One (1)		HID light (overhead 2' diameter round)	Bay 11 (loft)	UW – Hg lamps

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
BROOKFIELD MAINTENANCE FACILITY – MAIN BUILDING
BROOKFIELD, CONNECTICUT

Quantity	Size	Material/Item	General Location	Potential Hazard
Ten (10)		Spare 4' fluorescent bulbs (no ballast)	Bay 11 (loft)	UW – Hg lamps
Four (4)		4' fluorescent bulbs/ballast	Boiler Room	UW – Hg lamps CRW – PCB ballasts
One (1)		Fire extinguisher	Mezzanine above Storage Room	CRW – waste chemical solid
Twenty six (26)		4' fluorescent bulbs/ballast	Mezzanine above Storage Room	UW – Hg lamps CRW – PCB ballasts
One (1)		HID light	Mezzanine above Storage Room	UW – Hg lamps
Two (2)		HVAC units	Roof 1	CFCs/Freon
One (1)		Exterior light	Bay 1 exterior	UW – Hg lamps
One (1)		Exterior light	Bay 3 exterior	UW – Hg lamps
One (1)		Red exterior light	Bay 5 exterior	UW – Hg lamps
One (1)		Exterior light	Bay 6/7 exterior	UW – Hg lamps
Two (2)		Exterior lights	Bay 9 exterior	UW – Hg lamps
One (1)		Oil/water separator	Bay 9 exterior	CRW – oil/sludge
One (1)		Exterior light	Bay 10 exterior	UW – Hg lamps
Two (2)		Exterior lights	Bay 13 exterior	UW – Hg lamps
One (1)		Exterior light	Generator Room exterior	UW – Hg lamps
Two (2)		A/C units	Office 1/Office 2 exterior	CFCs/Freon
One (1)		Electrical meter	Exterior A-side	UW – used electronics (printed circuit boards)
Two (2)	4,000 gal	UST – gasoline	Exterior A-side	I – gasoline
One (1)		Gasoline pump	Exterior A-side	I
One (1)		Diesel pump	Exterior A-side	CRW – oil
One (1)		AST (propane)	Exterior D-side near Generator Room	I – propane

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
BROOKFIELD MAINTENANCE FACILITY – MAIN BUILDING
BROOKFIELD, CONNECTICUT

Quantity	Size	Material/Item	General Location	Potential Hazard
One (1)	2,000 gal	UST – fuel oil	Exterior D-side near Generator Room	CRW – oil
One (1)	4,000 gal	UST – diesel	Exterior A-side	CRW – diesel oil
One (1)	5,000 gal	UST – waste water/oil	Exterior A-side	CRW – waste chemical liquid/oil

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 7
BULK SAMPLE SUMMARY OF SUSPECT PCB CONTAINING MATERIALS
BROOKFIELD MAINTENANCE FACILITY – MAIN BUILDING
BROOKFIELD, CONNECTICUT

Sample No.	Homogenous Material Type	Sample Location	Total PCB (ppm)	EPA/CTDEEP Regulated
C2-A	Exterior beige brittle vent caulk	Exterior Generator Room Vent	1.7	CTDEEP
WG1-A	Interior grey brittle window glaze	Office 1/Bay 4	0.49	Unregulated
DWG1-A	Grey sticky door window glaze	Bay 1 exterior D-side door	ND<0.8	Unregulated
DWG2-A	Black soft door window glaze	Bay 13 exterior D-side door	ND<0.74	Unregulated
DWG3-A	Black pliable door window glaze	Bay 4 exterior B-side door	ND<0.32	Unregulated
1	White pliable door frame caulk (C1)	Office 1 & 2 door frames	ND<0.40	Unregulated
2	White/grey soft caulk (C1)	Exterior Bay 10 around conduit	ND<0.40	
3	White/grey soft caulk (C1)	Exterior Boiler door	ND<0.40	

BRL< = Below Reportable Detection Limit
PCB ≥ 50 ppm = EPA PCB Bulk Product Waste
PCB >1 ppm but <50 ppm = CTDEEP regulated

♦ Asbestos containing material (>1%)
*Additional samples were collected due to elevated detection limits that were >1 PPM

TABLE 8
IDENTIFIED PCB CONTAINING MATERIALS
BROOKFIELD MAINTENANCE FACILITY – MAIN BUILDING
BROOKFIELD, CONNECTICUT

Material	Sample Date (mo/yr)	General Location	Adjacent Substrates	Estimated Quantity
CTDEEP REGULATED PCB CONTAINING MATERIALS (> 1 ppm, < 50 ppm)				
C2 – exterior beige brittle vent caulk♦	Sampled 9/17	Exterior Generator Room – D-side vent♦	Metal/Brick	8 LF (1 vent)♦
EPA REGULATED PCB BULK PRODUCT WASTE (≥ 50 ppm)				
NO EPA REGULATED PCB BULK PRODUCT WASTES WERE POSITIVELY IDENTIFIED IN THE SUBJECT AREA				

♦ Asbestos containing material (>1%)

APPENDIX A

SITE PHOTOS WITH DOT ASSIGNMENT AND MAP

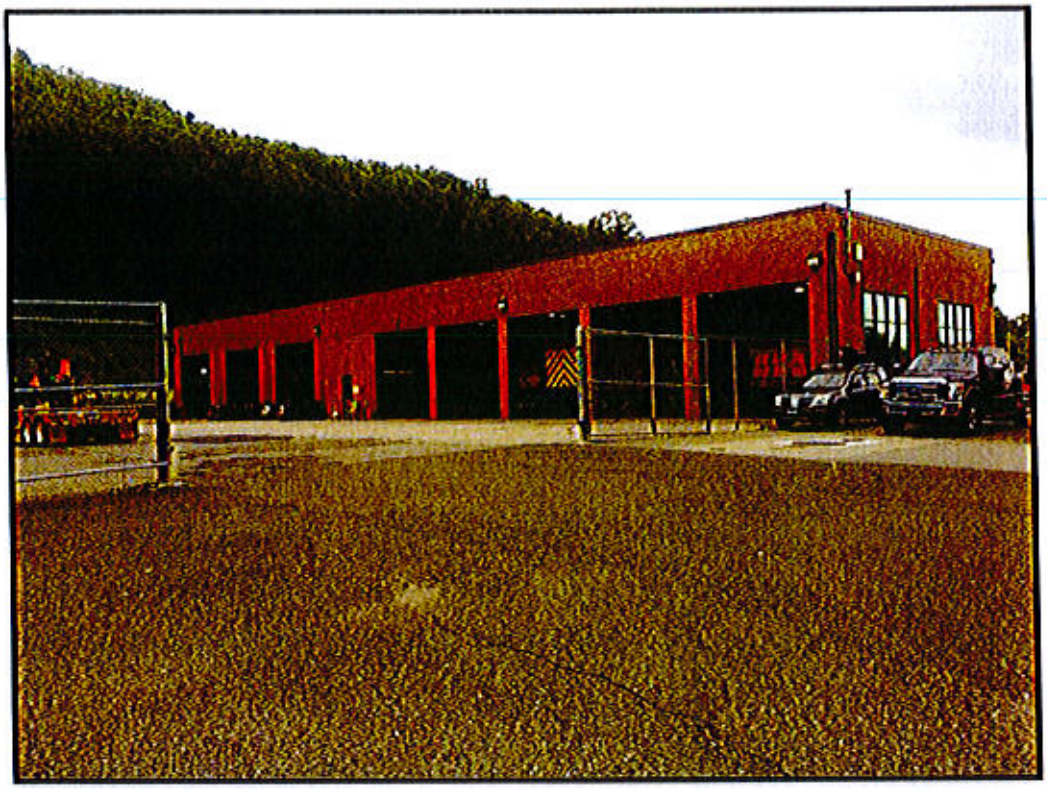
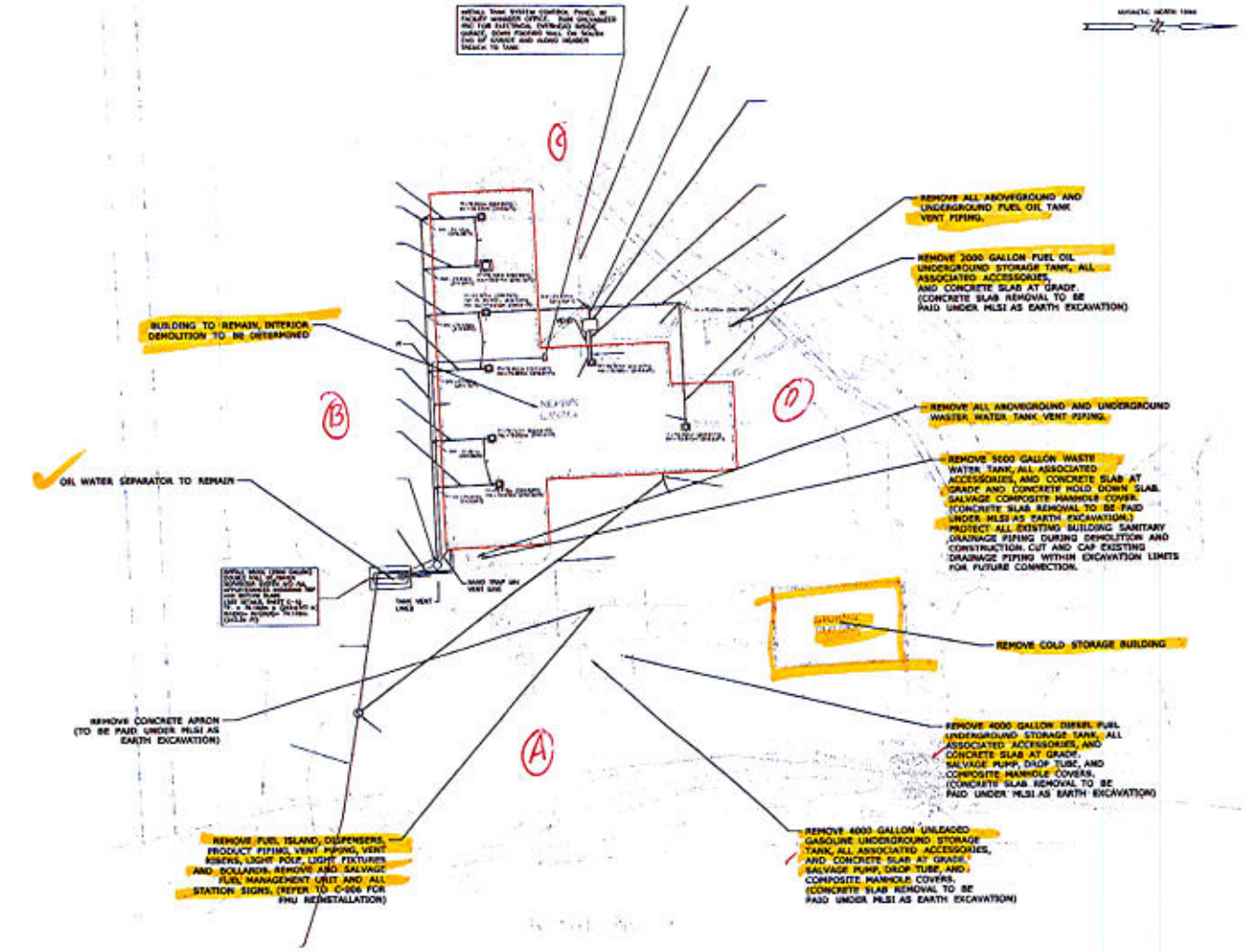


PHOTO 1. A/B sides.

PHOTO 2. A/D sides.



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

OFFICE OF ENGINEERING

RENOVATION OF BROOKFIELD REPAIR GARAGE

BROOKFIELD

DEMOLITION PLAN

034-389

SS-001

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

memorandum

subject: Lead, Asbestos, and Soil Investigations
Danbury Repair Facility
Project No.: 34-350

date: June 6, 2017

to: Mr. Adam G. Fox
Transportation Principal Engineer
Bureau of Engineering and Construction

from: Mr. Christopher J. Bonsignore
Transportation Principal Engineer
Bureau of Engineering and Construction

Christopher J Bonsignore, P.E. 2017.06.07 17:50:31-04'00'

The following documents are attached for your use in preparing reports, plans, special provisions, and estimates for lead, asbestos, hazardous materials, soil, and groundwater for the subject project.

1. Danbury Site Plan depicting design elements, demolition, and excavation — ONLY NEW CONSTRUCTION
2. Danbury Floor Plan
3. Brookfield Aerial Site Plan — NEW/RENO
4. Scope of Work

Although the main building in Brookfield will remain under this project, a full lead and asbestos investigation shall be completed under this project for the proposed demolition of this building in the future.

For your information, EnviroMed Services Asbestos and Lead Inspection Reports exist in Property and Facilities Services files.

The FDP for the project is March 2018, although it would be desirable to receive the reports in August 2017 when the Design Development submission is due.

PE efforts for this project will be under the above-noted project number.

Should you have any questions or need any additional information, please contact the Project Engineer, Mr. Joseph S. Bordonaro, at Extension 3310.

Attachments

Joseph S. Bordonaro/jsb/sk

cc: James A. Fallon
David A. Hartley
Christopher J. Bonsignore – Michael J. Strong – Joseph S. Bordonaro
Matthew Easdon

X:\0034-0350\Facilities_all_other_data\Correspondence\1-Design 0-60%\Environmental Compliance Investigations 34-350.doc

8. Install block heaters, tied into the BAS System (2 along vehicle spots near road).
9. Install flagpole.
10. Install generator with diesel base tank. No sound attenuating enclosure.
11. Install 1000 gallon oil-water separator.
12. Install 500 gallon aboveground waste oil and waste antifreeze storage tanks.
13. Utilities:

    a. Natural Gas: New.
    b. Public Water Supply: New.
    c. Public Sewer System: New.
    d. Power: New.
    e. Communications: New.
    f. Cable TV: New.

The material storage area (bins, catch basin tops, pipe, etc.) will need to be relocated by Maintenance elsewhere on site. Areas around the existing salt shed and on the upper site will be investigated during the design phase. This project will provide the base work necessary if existing paved area is not available.

Staff Maintenance may pursue a slip ramp to I-84 from a future highway project rather than this project.

BUILDING AND SITE IMPROVEMENTS - BROOKFIELD:

The facility contains a National Geodetic Survey (NGS) Continuously Operating Reference Station (CORS) Global Positioning System (GPS) that must remain operational at all times from its existing location in the building. The building will remain for usage by Maintenance personnel during a potential renovation project at the New Milford site. The building has a newer roof and envelope. The following renovations will be made:

1. Remove the motor fuel island, unleaded, diesel, fuel oil, and waste oil tanks. Oil-water separator and tank monitoring system to remain. The Brookfield tank replacement programmed for 2019 construction in advance of the 2020 expiration date will not be performed.
2. Remove the cold storage building.
3. Install 2000 gallon fuel oil aboveground storage tank and associated piping.
4. Remove and relocate equipment for Repair & Stores operations (TBD).

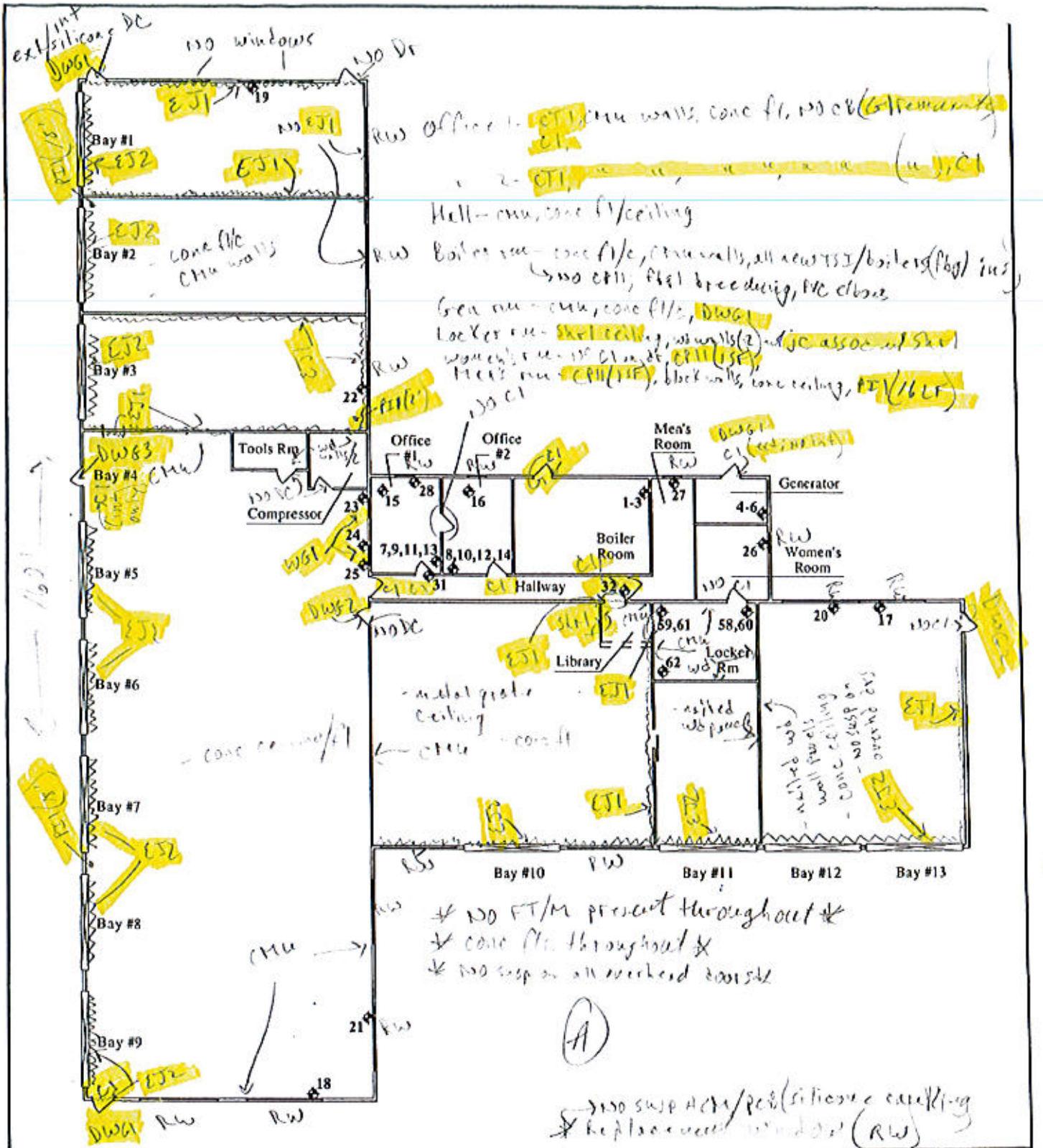
ENVIRONMENTAL - DANBURY & BROOKFIELD:

Environmental Compliance investigations for soil and groundwater, asbestos and lead, and other hazards will be performed.

BS 1.9 710

APPENDIX B

SITE SKETCHES


Bay #1
Bay #2
Bay #3
Bay #4
Bay #5
Bay #6
Bay #7
Bay #8
Bay #9
Tools Rm
Compressor
Office #1
Office #2
Men's Room
Women's Room
Generator
Boiler Room
Hallway
Library
Locker Rm
Bay #10
Bay #11
Bay #12
Bay #13
15
28
16
1-3
27
4-6
26
23
24
25
7,9,11,13
8,10,12,14
31
32
22
21
18
19
20
17
59,61
58,60
62
Legend :
◆ = Sample Number & Location
REVISIONS
DATE
MARK
DESCRIPTION
Drawing Title:
Asbestos Bulk Sample Location Diagram
Prepared by:
EnviroMed Services, Inc.
25 Science Park, New Haven, CT 06511
Project:
Brookfield DOT - Maintenance Garage
Floor Plan
Brookfield, Connecticut
Prepared for :
State of Connecticut
Department of Transportation
Newington, Connecticut
Date: 3/09/01
Scale: N.T.S.
Drawn By: DER
Approved By: JF
Drawing No. 1 of 2

SHEET NO. 2 OF _____

PROJECT NO. 22165-5616-0410

DATE 7/3

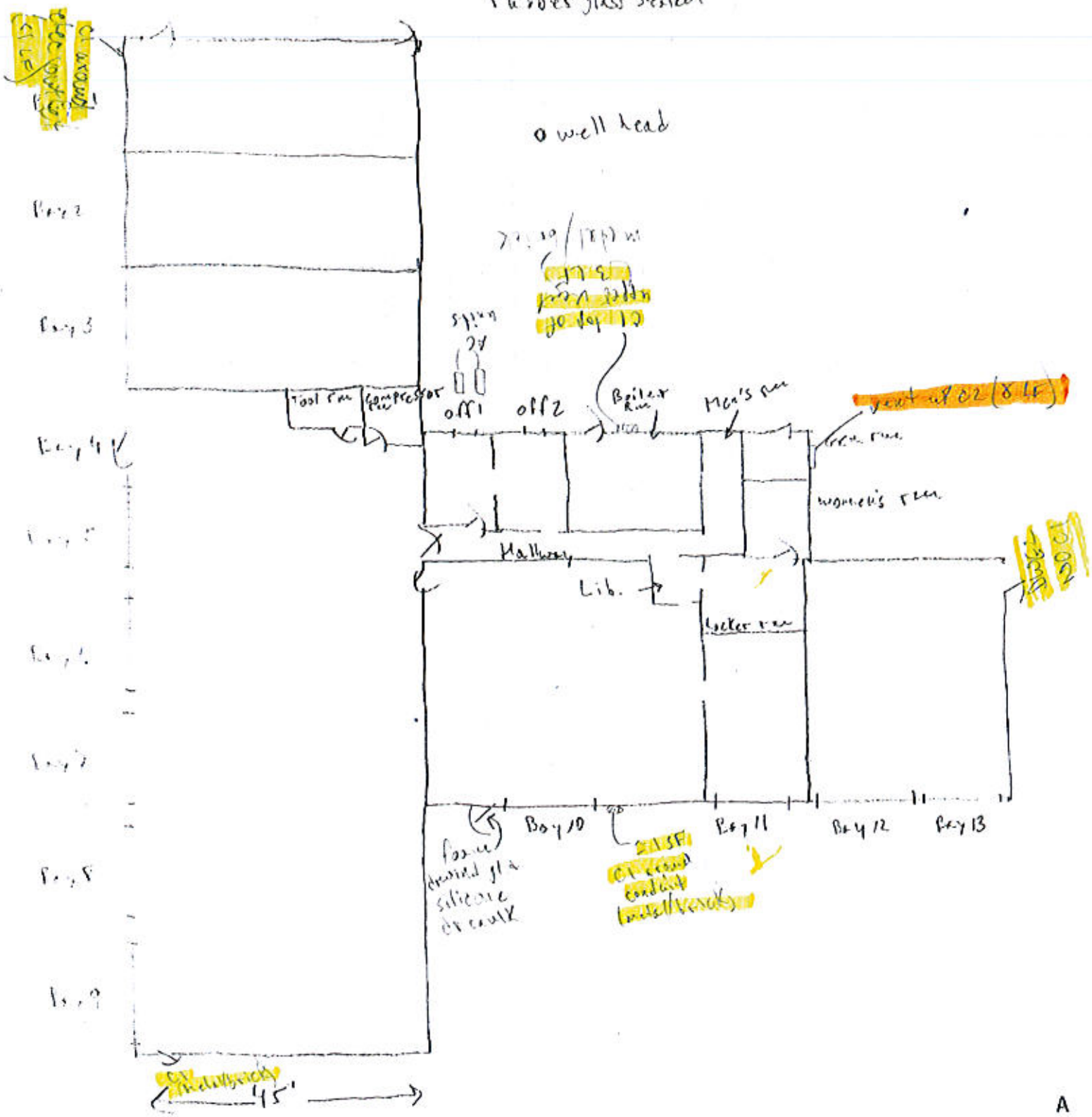
BY MH, KG + ES

CHK'D _____

SUBJECT Brookfield Maint Facility

Ext

* All ext windows have silicon - caulk & rubber glass sealant



A

SHEET NO. 2 OF _____

PROJECT NO. 122165-5616-0710

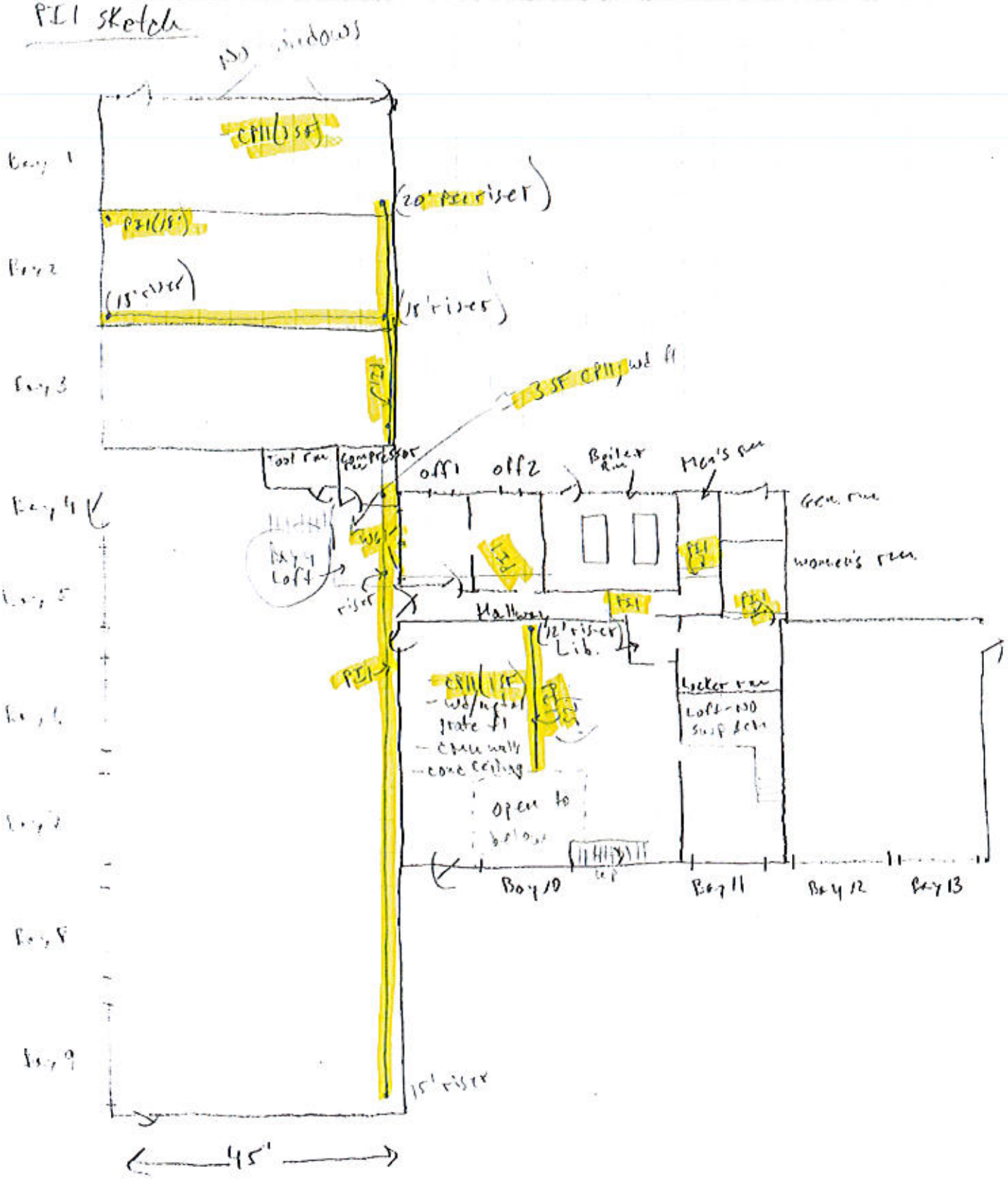
DATE 7/3

BY VM, KG + ZS

CHK'D _____

SUBJECT Brookfield Maint Facility

PEI Sketch



A

SHEET NO. 1 OF 1

PROJECT NO.

DATE 7/5/17

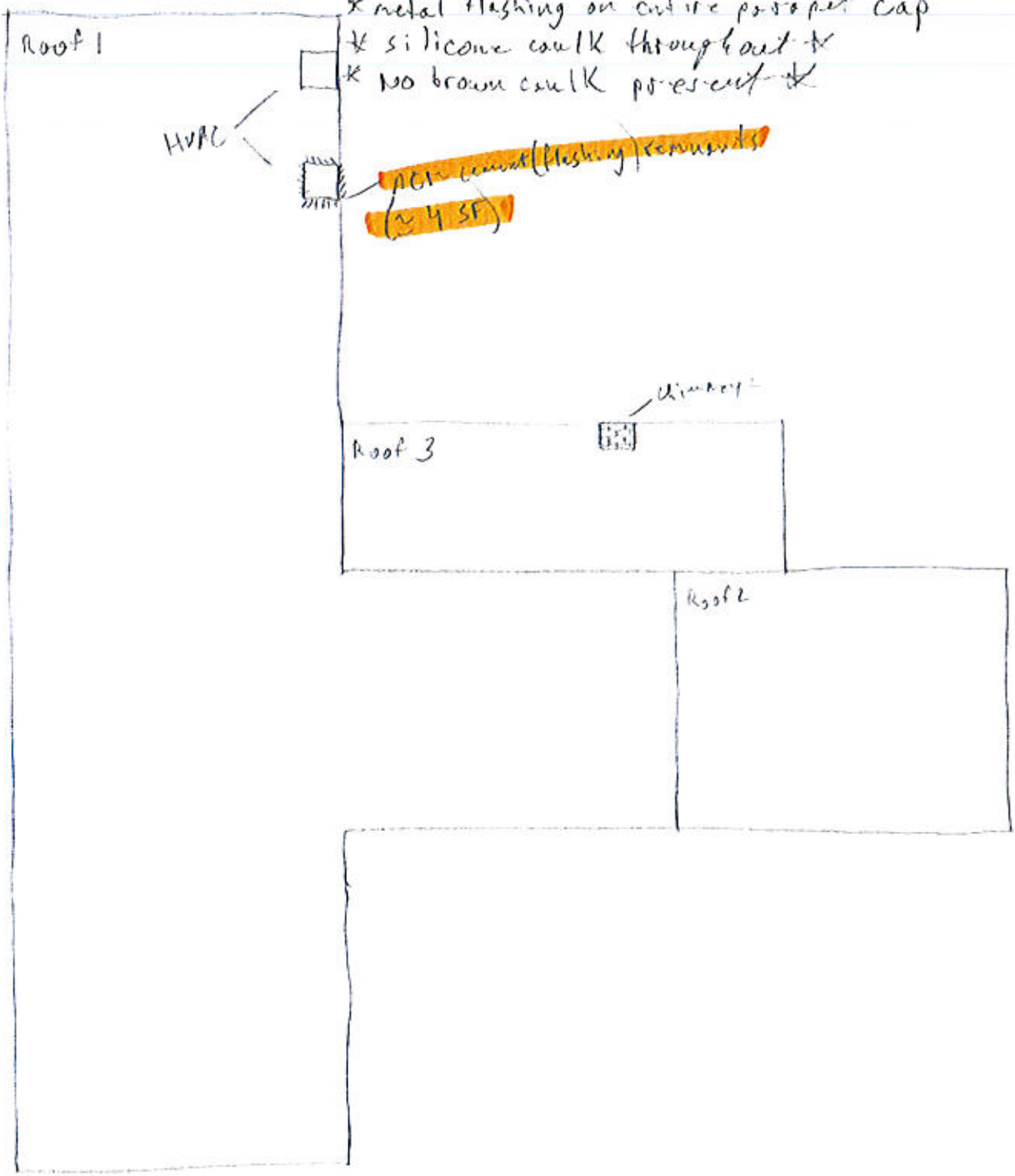
BY

CHK'D

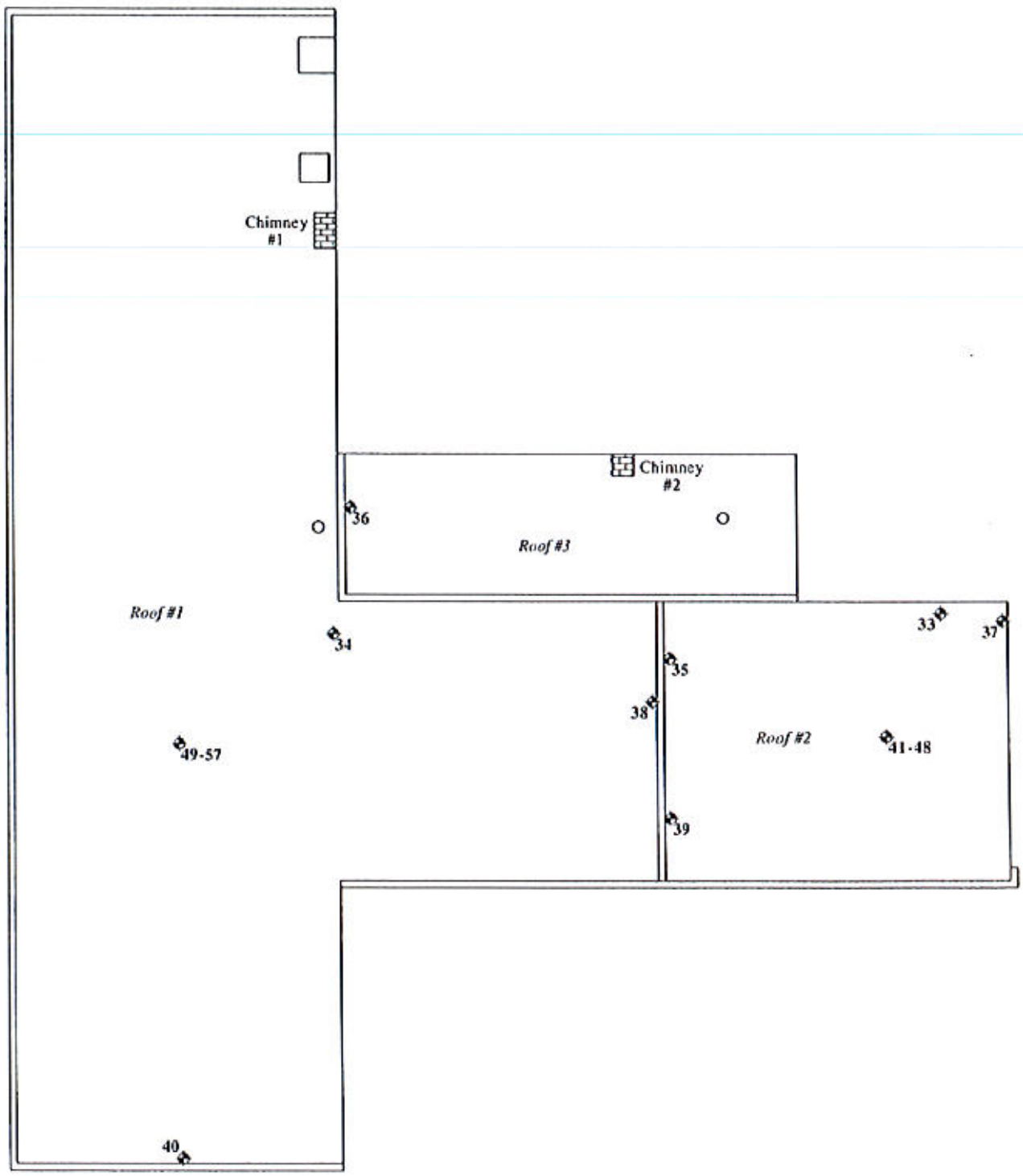
SUBJECT Brookfield Maint Fac

Roof

* All 3 roofs are now membrane (no cuts as per EP)
* metal flashing on entire parapet cap
* silicone caulk throughout *
* no brown caulk present *



A



Legend :

◆ = Sample Number & Location

○ = Vent Tube

□ = Mechanical Unit

REVISIONS		
DATE	MARK	DESCRIPTION

Drawing Title: **Asbestos Bulk Sample Location Diagram**

Prepared by: EnviroMed Services, Inc.
25 Science Park, New Haven, CT 06511

Date: 7/30/01

Scale: N.T.S.

Project: **Brookfield DOT - Maintenance Garage**
Roof Plan
Brookfield, Connecticut

Drawn By: DER

Approved By: J.F.

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

Drawing No. 2 of 2

EMS # 01-111

SHEET NO. 1 OF _____

PROJECT NO. _____

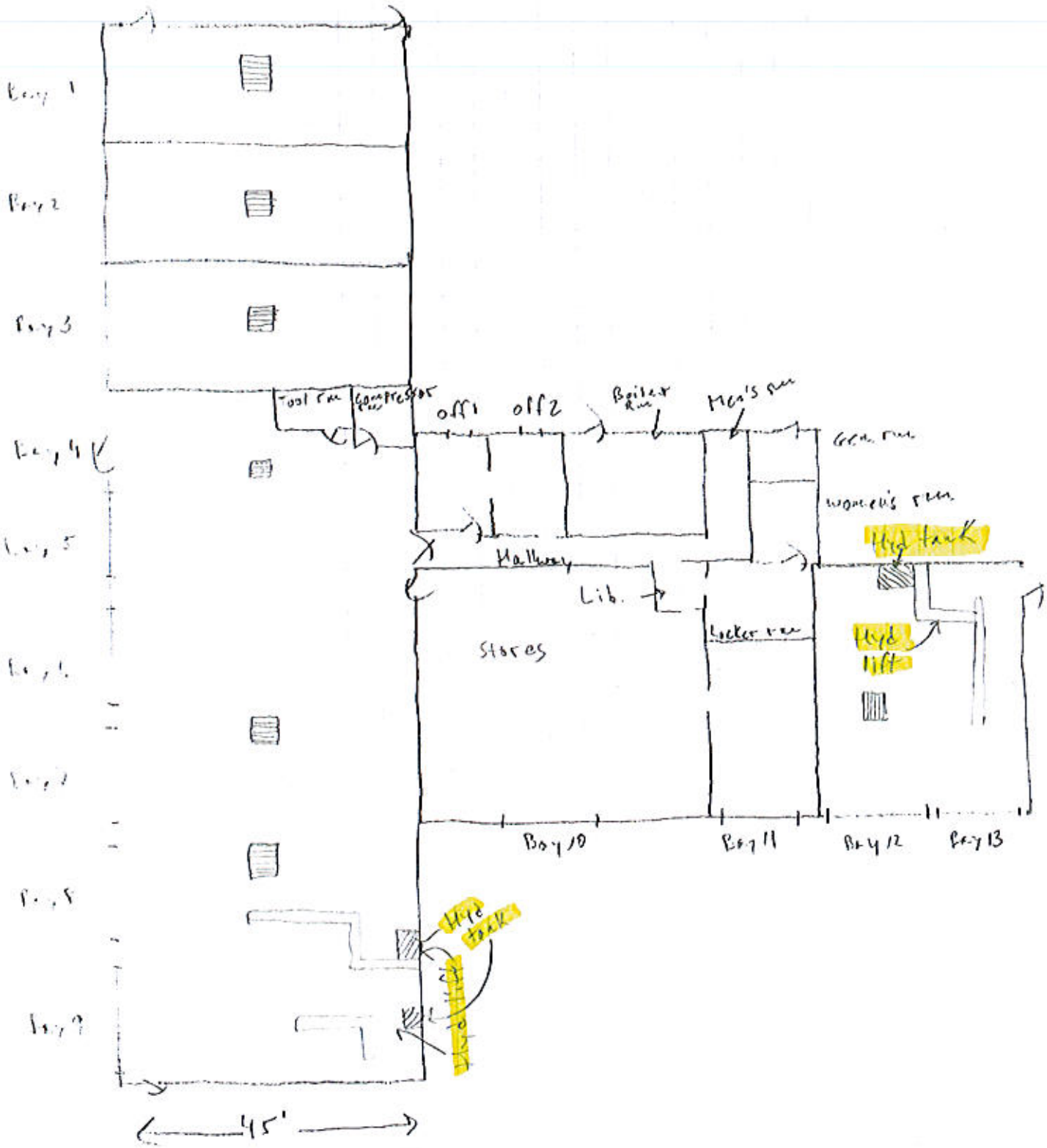
DATE 11/3, 5+6/17

BY MM, KG + ES

CHK'D _____

SUBJECT Brookfield Maint Facility

Haz Waste - Hydraulic Lifts / Floor Drains (DI)



A

SHEET NO. 2 OF

PROJECT NO.

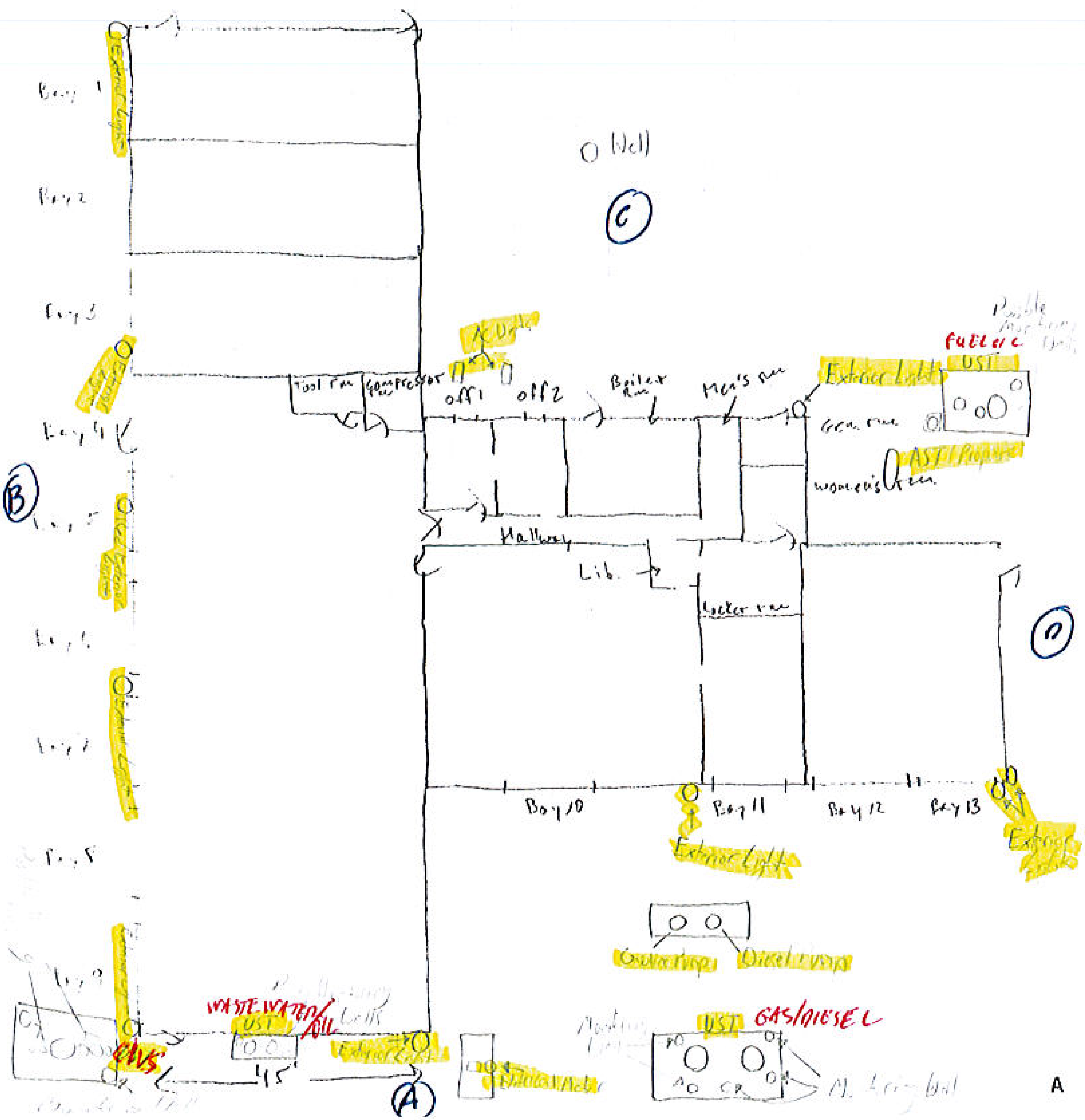
DATE 7/3, 7/6/17

BY ... KG + ZS

SUBJECT Brookfield Maint Facility

CHK'D

Ext Haz waste/UST's/AST's



A

TRC
Results you can rely on

SUBJECT CONN DOT BROOKFIELD MF

SHEET NO. 1 OF 2
PROJECT NO. 222165.5616.0710
DATE 11/29/18
BY CARMEN JACKO
CHK'D

OFFICES 1 & 2
- ONLY PLACES WITH DROP CEILINGS
- NO ROOFING DEBRIS ON DROP CEILINGS
- TSI ABOVE CEILING TILE IN OFFICES

NORTH BAY AREA
- NEW WINDOWS

INTERIOR INCLUDING BAY 10-12, SHOWER AND LOCKERS
- CONCRETE DECK
- I BEAMS WITH GREY PAINT
- CMU WALLS PAINTED GREY AND WHITE
- BATH HAS CERAMIC WALL TILE
- CONCRETE FLOOR THROUGHOUT
  - GREY PAINT ON LOCKER AND SHOWER FLOORS
  - PAINT SPARSE ~~ON~~ IN BAYS

A

TRC Results you can rely on

SUBJECT CONN DOT BROOKFIELD MT

PCB SAMPLES (C1)

OFFICE 1 & 2 DOORS

WHITE PLYABLE DOOR FRAME CAULK 1

EXTERIOR BAY 10 AROUND CONDUIT

WHITE/GREY SOFT CAULK 2

EXTERIOR BOILER DOOR (EXTERIOR)

WHITE SOFT CAULK 3

A

CTDOT – Brookfield Maintenance Facility, Brookfield, CT

222165-5616-0710

7/3, 5, 6/17

PCB Summary

Cold Storage building

C1 – grey pliable building caulk between metal wall/ceiling panels; metal/metal junction; Samples C1-A, C1-B, C1-C

Maintenance Facility

C1 – white flexible door/vent caulk;

Hall/Men's rm dr(metal/CMU), Hallway(metal/CMU), Offices 1 & 2(metal/CMU), Bay 1 ext around outlet(metal/brick), Bay 10 ext around conduit penetrations(metal/brick), Bay 9 side A dr(metal/CMU interior: metal/brick ext), Bay 4 side B dr(metal/CMU), Boiler rm dr(metal/CMU interior: metal/brick ext) Generator rm dr(metal/CMU interior: metal/brick ext), exterior side C o/s boiler rm top of metal vent(metal/brick). Found silicone caulking behind C1 only on A side around the conduit wall penetrations. No other C1 locations had caulks behind it.

Sample C1-A *extremely small bead of C1 throughout building

C2 – exterior, beige brittle vent caulk; exterior Generator room, metal/brick; majority of C2 is gone due to weathering. Nothing behind C2.

Sample C2-A

WG1 – interior, grey brittle window glaze; Office 1/Bay 4(metal/glass), 2 windows, both have very limited access.

Sample WG1-A

DWG1 – sticky grey door window glaze; Bays 1 & 9(metal/glass), Generator room(metal/glass).

Sample DWG1-A

DWG2 – black soft door window glaze; interior Bay 10 "Stores" room(metal/glass), Bay 13 ext dr side D(metal/glass)

Sample DWG2-A Non-reg

DWG3 – black, pliable door window glaze, Bay 4 interior only(metal/glass) – exterior has silicone.

Sample DWG3-A Non-reg

APPENDIX C

TRC INSPECTORS LICENSES/CERTIFICATIONS

KELLY M GREY
84 HOPYARD RD
STAFFORD SPRINGS CT 06076-4227

Dear KELLY M GREY,

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
aplc.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
KELLY M GREY
VALIDATION NO. 03-579557
CERTIFICATE NO. 000320
CURRENT THROUGH 02/28/18
PROFESSION
ASBESTOS CONSULTANT-INSP/MGMT PLANNER
SIGNATURE
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
ASBESTOS CONSULTANT-INSP/MGMT PLANNER

KELLY M GREY

CERTIFICATE NO.
000320
CURRENT THROUGH
02/28/18
VALIDATION NO.
03-579557

VOID VOID VOID
SIGNATURE
COMMISSIONER

INSTRUCTIONS:
1. Detach and sign each of the cards on this form.
2. Display the large 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.

WALLET CARD
STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
NAME
KELLY M GREY
VALIDATION NO. 03-579557
CERTIFICATE NO. 000320
CURRENT THROUGH 02/28/18
PROFESSION
ASBESTOS CONSULTANT-INSP/MGMT PLANNER
SIGNATURE
COMMISSIONER

CERTIFICATE OF ACHIEVEMENT

This certifies that

Kelly Grey

has successfully completed the

4 Hour 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

Marcus Soutra
Principal Instructor: Marcus Soutra

November 17, 2016
Date of Course

November 17, 2017
Expiration Date

Gregory Morsch
Regional Training Manager: Gregory Morsch

SIAR-5591
Certificate Number

November 17, 2016
Examination Date

KELLY M GREY
84 HOPYARD RD
STAFFORD SPRINGS CT 06076-4227

Dear KELLY M GREY,

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
opic.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
KELLY M GREY
VALIDATION NO. 03-594856
CERTIFICATE NO. 002267
CURRENT THROUGH 02/28/18
PROFESSION
LEAD INSPECTOR RISK ASSESSOR
VOID
SIGNATURE
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
CERTIFICATE NO.
002287
KELLY M GREY
CURRENT THROUGH
02/28/18
VALIDATION NO.
03-594856
VOID
SIGNATURE
COMMISSIONER

INSTRUCTIONS:
1. Detach and sign each of the cards on this form.
2. Display the larger 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.

WALLET CARD
STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
NAME
KELLY M GREY
VALIDATION NO. 03-594856
CERTIFICATE NO. 002267
CURRENT THROUGH 02/28/18
PROFESSION
LEAD INSPECTOR RISK ASSESSOR
VOID
SIGNATURE
COMMISSIONER

CERTIFICATE OF ACHIEVEMENT

This certifies that

Kelly Grey

84 Hopyard Rd., Stafford, CT 06076

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

Neal B. Freuden

Principal Instructor: Neal Freuden

April 21, 2017
Date of Course

April 21, 2017
Exam Date

Gregory Morsch

Regional Training Director: Gregory Morsch

ELIRAR-719
Certificate Number

Dear THOMAS J. MARTIN,

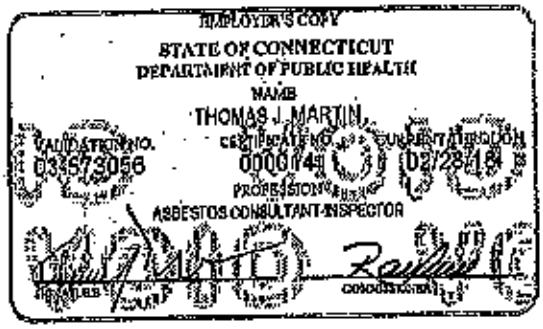
Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

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

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

Sincerely,

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

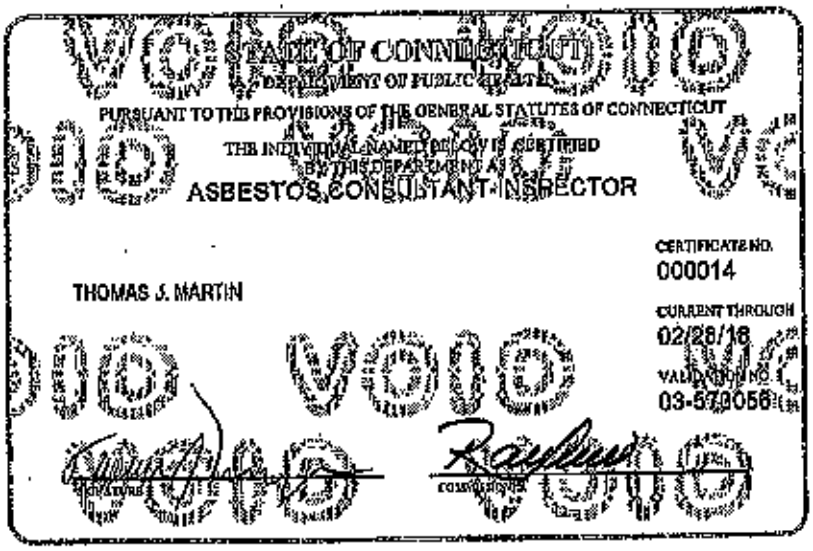

EMPLOYER'S COPY

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
THOMAS J. MARTIN

VALIDATION NO. 03-573056
CERTIFICATE NO. 000014
CURRENT THROUGH 02/28/16

PROFESSION
ASBESTOS CONSULTANT-INSPECTOR


VOID VOID VOID

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

CERTIFICATE NO.
000014

THOMAS J. MARTIN

CURRENT THROUGH
02/28/16

VALIDATION NO.
03-573056

VOID VOID VOID

INSTRUCTIONS:

1. Detach and sign each of the cards on this form.
2. Display the large 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. This 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.

Spectrum Environmental Associates, Inc.

Exceeding our Clients Expectations of Excellence

This is to certify that

Thomas J. Martin

Social Security #: XXX-XX-3014

Has Successfully Completed The:

Asbestos Building Inspector Refresher Course

Also satisfies the N.Y.S.D.O.H. *Building Inspector Refresher* Requirements

This course is EPA and New York State Department Of Health approved pursuant to Article 30, Section 905 of the New York State Labor Law as required under Title 10, Chapter II, Subchapter H, Part 73 NYSCRR.
The DOH 2832 certificate issued is the official record of this training course.

88	12/8/2016
Exam Score	Course Date(s)
12/8/2016	
Exam Date	
769882	12/8/2017
DOH 2832 Certificate Number	Expiration Date

Donald Trischett, Instructor

William Wassmann
Director of Training

2589 Albany Street, Box 1024 - Schenectady, New York 12301-1024
Phone: (518) 346-6374 | Fax: (518) 346-4062 | www.Aspectrum.com

This is to certify that

Zachary W Smith

has completed the requisite training, and has passed an examination for accreditation as:

Asbestos Inspector

pursuant to Title II of the Toxic Substance Control Act, 15 U.S.C. 2646

Course Location
Institute for Environmental Education, Inc.
16 Upton Drive Wilmington, MA 01887

June 19-21, 2017
Course Dates

17-0302-102-401150
Certificate Number

June 21, 2017
Examination Date

June 21, 2018
Expiration Date

Training Director

Certificate of Completion

360training

This Certifies That

Carmen Jacko

is awarded this certificate for

OSHA 10 Hour Outreach Training Program - Construction

Credit Hours: 10.00

Completion Date: 07/27/2014

Marie Athey, Trainer C 0026383 and G 0034871

"As an OSHA authorized trainer, I verify that I have conducted this OSHA outreach training class in accordance with OSHA Outreach Training Program requirements. I will document this class to my authorizing OSHA training organization. Upon successful review of my documentation, I will provide each student their completion card within 90 days of the end of the class."

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 OR AUTHORIZED AGENT TO BE IN CHARGE OF THE LABORATORY WORK COVERED BY THIS CERTIFICATE OR APPROVAL AS FOLLOWS:

BUILDING MATERIALS
ASBESTOS FIBERS – PCM
BULK IDENTIFICATION – PLM

SEE COMPUTER PRINT OUT FOR SPECIFIC TESTS APPROVED

THIS CERTIFICATE EXPIRES DECEMBER 31, 2017 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH.

DATED AT HARTFORD, CONNECTICUT, THIS 7 DAY OF December 2015

Registration No. PH-0426

SUZANNE BLANCAFORT, MS
DIRECTOR, 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).

2016-07-01 through 2017-06-30

Effective Dates

For the National Voluntary Laboratory Accreditation Program

NVLAP® 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@trcsolutions.com
http://www.trcsolutions.com

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 101424-0

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA 600/M4-82-020: Interim Method for 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

For the National Voluntary Laboratory Accreditation Program

Effective 2016-07-01 through 2017-06-30

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

NVLAP®

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).

2017-01-01 through 2017-12-31

Effective Dates

For the National Voluntary Laboratory Accreditation Program

NVLAP® 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
http://www.proscience.net

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 200090-0**

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA 600/M4-82-020: Interim Method for 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

Code	*Description*
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.

For the National Voluntary Laboratory Accreditation Program

Effective 2017-01-01 through 2017-12-31

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.

PHOENIX ENVIRONMENTAL LABORATORIES, INC.

LOCATED AT 587 East Middle Turnpike IN Manchester, Connecticut 06040

AND REGISTERED IN THE NAME OF Allen E. Caffyn

THIS CERTIFICATE IS ISSUED IN THE NAME OF Phyllis Shiller (Chemistry) WHO HAS BEEN DESIGNATED

Kathleen Cressia (Microbiology)

BY THE REGISTERED OWNER/AUTHORIZED AGENT TO BE IN CHARGE OF THE LABORATORY WORK COVERED BY THIS CERTIFICATE OF APPROVAL IS FOLLOWS:

DRINKING WATER, NON-POTABLE/WASTEWATER, SOLID WASTE/SOIL	ENVIRONMENTAL HEALTH & HOUSING
Examination For:	Examination For:
BACTERIA	LEAD in PAINT
INORGANIC CHEMICALS	LEAD in DUST WIPES
ORGANIC CHEMICALS	LEAD (PAINT) in SOIL
RADIOCHEMICALS	

SEE COMPUTER PRINT OUT FOR SPECIFIC TESTS APPROVED

EFFECTIVE RENEWAL DATE July 1, 2018

THIS CERTIFICATE EXPIRES June 30, 2020 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH

DATED AT HARTFORD, CONNECTICUT, THIS 18th DAY OF June, 2018

Registration No. PH - 0618

SUZANNE BLANCAFLOR, MS, MPH
CHIEF, ENVIRONMENTAL HEALTH SECTION

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH
ENVIRONMENTAL HEALTH SECTION

ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM
CERTIFIED ANALYTES REPORT FOR ALL MATRICES

Phoenix Environmental Laboratories, Inc.

587 EAST MIDDLE TURNPIKE
MANCHESTER, CT 06040

CT REGISTRATION NUMBER :	PH-0618
REGISTERED OWNER / AUTHORIZED AGENT :	Allan Caffyn
DIRECTOR :	Phyllis Shiller
CO DIRECTOR(S) :	Kathleen Cressia
PHONE :	(860) 645-1102
LABORATORY REGISTRATION EFFECTIVE DATE :	07/01/2018
LABORATORY REGISTRATION EXPIRATION DATE :	06/30/2020
LABORATORY STATUS :	APPROVED

APPROVED BY

SUZANNE BLANCAFLOR, MS, MPH
CHIEF, ENVIRONMENTAL HEALTH SECTION

REVIEWED BY 6/18/2018 2:36:23 PM

DERMOT JONES

ANY QUESTIONS CONCERNING THIS DOCUMENT SHOULD BE ADDRESSED TO THE ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM AT (860) 509-7389

DRINKING WATER (SDWA)

STATUS REPORTED ON 6/18/2018

ANALYTE NAME

MICROBIOLOGY/BACTERIA

E. COLI - COLILERT (SM9223 Enumeration & P/A)	
E. COLI - MF NUTRIENT AGAR + MUG (SM9222G)	ENTEROCOCCUS - ENTEROLERT
ENTEROCOCCUS - MF mEI Agar (EPA1600)	FECAL COLIFORM - MF m-FC (SM9222D)
HPC - POUR PLATE (SM9215B)	TOT COLIFORM - COLILERT (SM9223 Enumeration & P/A)
TOT. COLIFORM - MF mENDO (SM9222B)	

PHYSICALS

COLOR	
CONDUCTIVITY	ODOR
pH	TEMPERATURE
TURBIDITY	

MINERALS

ACIDITY	
ALKALINITY	CHLORIDE
CHLORINE, TOTAL & FREE RESIDUAL	FLUORIDE
HARDNESS, CALCIUM	HARDNESS, TOTAL
SULFATE	

NUTRIENTS

AMMONIA	
NITRATE	NITRITE
O-PHOSPHATE	

METALS

ALUMINUM	
ANTIMONY	ARSENIC
BARIUM	BERYLLIUM
BORON	CADMIUM
CALCIUM	CHROMIUM
COBALT	COPPER
IRON	LEAD
MAGNESIUM	MANGANESE
MERCURY	MOLYBDENUM
NICKEL	POTASSIUM
SELENIUM	SILVER
SODIUM	THALLIUM

TIN	VANADIUM
ZINC	

RESIDUE

TOTAL DISSOLVED SOLIDS	TOTAL RESIDUE (SOLIDS)

DEMANDS

TOTAL ORGANIC CARBON	

MISCELLANEOUS

CYANIDE (TOTAL)	
FOAMING AGENTS (MBAS)	

ORGANIC DISINFECTION BY-PRODUCTS

BROMOACETIC ACID	
BROMOCHLOROACETIC ACID	CHLOROACETIC ACID
DIBROMOACETIC ACID	DICHLOROACETIC ACID
TRICHLOROACETIC ACID	

VOLATILE ORGANICS

1,2-DIBROMO-3-CHLOROPROPANE 504.1 (DBCP) (SOC)	1,4-DIOXANE (522 SIM)
1,4-DIOXANE (Mod 8270)	ETHYLENE DIBROMIDE 504.1 (EDB) (SOC)
TOTAL TRIHALOMETHANES 524.2 (SOC)	VINYL CHLORIDE - 524.2
VOLATILE ORGANICS - 524.2 (SOCs)	

PESTICIDES/ PCB'S

ALDRIN	CHLORDANE (TECHNICAL) (SOC)
DIELDRIN	ENDRIN (SOC)
HEPTACHLOR (SOC)	HEPTACHLOR EPOXIDE (SOC)
HEXACHLOROBENZENE (SOC)	HEXACHLOROCYCLOPENTADIENE (SOC)
LINDANE (BHC-GAMMA) (SOC)	METHOXYCHLOR (SOC)
METRIBUZIN	PCB's (Aroclors, Qualitative Only)
TOXAPHENE (SOC)	

HERBICIDES

2,4,5-TP (SILVEX) (SOC)	
2,4-D (SOC)	DALAPON (SOC)
DICAMBA	DINOSEB (SOC)
DIQUAT (SOC)	GLYPHOSATE (SOC)
PARAQUAT	PENTACHLOROPHENOL (SOC)
PICLORAM (SOC)	

PHTHALATE ESTERS & ADIPATES

BIS (2 - ETHYLHEXYL) ADIPATE - 525.3 (SOC)	
BIS (2 - ETHYLHEXYL) PHTHALATE - 525.3 (SOC)	

PAHS

BENZO(a)PYRENE - 525.3 (SOC)	

TRIAZINE PESTICIDES	
ALACHLOR (SOC)	ATRAZINE (SOC)
BUTACHLOR	METOLACHLOR
PROPACHLOR	SIMAZINE (SOC)
CARBAMATE PESTICIDES	
3 - HYDROXYCARBOFURAN	ALDICARB (SOC)
ALDICARB SULFONE (SOC)	ALDICARB SULFOXIDE (SOC)
CARBARYL	CARBOFURAN (SOC)
METHOMYL	OXAMYL (SOC)
RADIOCHEMICALS	
URANIUM - EPA 200.8	

NON-POTABLE WATER/ WASTEWATER (CWA)

STATUS REPORTED ON 8/18/2018

ANALYTE NAME

MICROBIOLOGY/BACTERIA

E. COLI - COLILERT (SM9223 Enumeration & P/A)	
E. COLI - MF NUTRIENT AGAR + MUG (SM9222G)	ENTEROCOCCUS - ENTEROLERT
ENTEROCOCCUS - MF mEI Agar (EPA1600)	FECAL COLIFORM - COLILERT-18 (Enumeration)
FECAL COLIFORM - MF m-FC (SM9222D)	FECAL STREPT - MF mEnterococcus Agar (SM9230C)
HPC - POUR PLATE (SM9215B)	TOT COLIFORM - COLILERT (SM9223 Enumeration & P/A)
TOT. COLIFORM - MF mENDO (SM9222B)	

PHYSICALS

COLOR	
CONDUCTIVITY	ODOR
pH	TEMPERATURE
TURBIDITY	

MINERALS

ACIDITY	
ALKALINITY	CHLORIDE
CHLORINE, TOTAL & FREE RESIDUAL	HARDNESS, CALCIUM
HARDNESS, TOTAL	SULFATE
SULFIDE	SULFITE

NUTRIENTS

AMMONIA	
KJELDAHL NITROGEN	NITRATE
NITRITE	O-PHOSPHATE
TOTAL PHOSPHOROUS	

METALS

ALUMINUM	ANTIMONY
ARSENIC	BARIUM
BERYLLIUM	BORON
CADMIUM	CALCIUM
CHROMIUM	CHROMIUM - Hexavalent
COBALT	COPPER
IRON	LEAD
MAGNESIUM	MANGANESE
MERCURY	MOLYBDENUM
NICKEL	POTASSIUM

SELENIUM	SILVER
SODIUM	STRONTIUM
THALLIUM	TIN
TITANIUM	VANADIUM
ZINC	

RESIDUE

TOTAL DISSOLVED SOLIDS	TOTAL RESIDUE (SOLIDS)
TOTAL SUSPENDED SOLIDS	TOTAL VOLATILE RESIDUE

DEMANDS

BOD	
CARBONACEOUS BOD	COD
TOTAL ORGANIC CARBON	

MISCELLANEOUS

CYANIDE (AMENABLE)	CYANIDE (TOTAL)
FOAMING AGENTS (MBAS)	FORMALDEHYDE
PHENOLICS	

INORGANIC DISINFECTION BY-PRODUCTS

BROMIDE	

VOLATILE ORGANICS

VOLATILE ORGANICS - 624.1	

PESTICIDES/ PCB'S

ORGANOCHLORINE PESTICIDES - 608.3	
PCB IN OIL	PCBs - 608.3
TOXAPHENE	

SOLVENTS

CT Extractable Petroleum Hydrocarbons (ETPH)	
MA Extractable Petroleum Hydrocarbons (EPH)	MA Volatile Petroleum Hydrocarbons (VPH)
OIL & GREASE	TPH (HEM/SGT)

HERBICIDES

2,4,5-T	
2,4,5-TP (SILVEX)	2,4-D
2,4-DB	DALAPON
DICAMBA	

TRIAZINE PESTICIDES

ALACHLOR	ATRAZINE
SIMAZINE	

RADIOCHEMICALS

URANIUM	

SEMIVOLATILES

SEMIVOLATILES - 625.1

RECREATIONAL WATER

STATUS REPORTED ON 6/18/2018

ANALYTE NAME

MICROBIOLOGY/BACTERIA

ENTEROCOCCUS - MP mEI Agar (EPA1600)

SOLID WASTE/SOIL (RCRA)

STATUS REPORTED ON 6/18/2018

ANALYTE NAME

PHYSICALS

pH

MINERALS

SULFIDE

NUTRIENTS

AMMONIA	KJELDAHL NITROGEN
TOTAL PHOSPHOROUS	

METALS

ALUMINUM	
ANTIMONY	ARSENIC
BARIUM	BERYLLIUM
BORON	CADMIUM
CALCIUM	CHROMIUM
CHROMIUM - Hexavalent	COBALT
COPPER	IRON
LEAD	MAGNESIUM
MANGANESE	MERCURY
MOLYBDENUM	NICKEL
POTASSIUM	SELENIUM
SILVER	SODIUM
STRONTIUM	THALLIUM
TIN	TITANIUM
VANADIUM	ZINC

RESIDUE

TOTAL RESIDUE (SOLIDS)

TOTAL VOLATILE RESIDUE

DEMANDS

TOTAL ORGANIC CARBON

MISCELLANEOUS

CORROSIVITY	
CYANIDE (TOTAL)	IGNITABILITY
PHENOLICS	REACTIVITY
SPLP LEACH (1312)	TCLP LEACH (1311)

PESTICIDES/ PCB'S	
CHLORDANE (TECHNICAL)	
ORGANOCHLORINE PESTICIDES (Single Response)	PCB IN OIL
POLYCHLORINATED BIPHENYLS	TOXAPHENE

SOLVENTS	
CT Extractable Petroleum Hydrocarbons (ETPH)	
MA Extractable Petroleum Hydrocarbons (EPH)	MA Volatile Petroleum Hydrocarbons (VPH)
OIL & GREASE	TOTAL ORGANIC HALIDES
TPH (HEM/SGT)	

HERBICIDES	
2,4,5-T	
2,4,5-TP (SILVEX)	2,4-D
DICAMBA	

TRIAZINE PESTICIDES	
ALACHLOR	
ATRAZINE	SIMAZINE

RCRA (SW-846) ORGANICS	
ACID EXTRACTABLES (PHENOLS) (SW 8270)	BENZIDINES (SW 8270)
CHLORINATED HYDROCARBONS (SW 8270)	HALOETHERS (SW 8270)
NITROAROMATICS & CYCLIC KETONES (SW 8270)	NITROSOAMINES (SW 8270)
PAH's (SW 8270)	PHTHALATES (SW 8270)
VOLATILE ORGANICS (SW 8260)	

RADIOCHEMICALS
URANIUM

ENVIRONMENTAL HEALTH & HOUSING	
LEAD (PAINT) IN SOIL	LEAD IN DUST WIPES
LEAD IN PAINT	

Report Profile:	Lab Name : Phoenix Environmental Laboratories, Inc.
	Test Name : *
	Matrix Name : *
	Matrix Selection = ALL OR SOME MATRICES SELECTED
	Certifications approved or provisional on 6/18/2018

THIS IS THE LAST PAGE OF THE REPORT

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.

PHOENIX ENVIRONMENTAL LABORATORIES, INC.

LOCATED AT 587 East Middle Turnpike IN Manchester, Connecticut 06040

AND REGISTERED IN THE NAME OF Allan E. Caffyn

THIS CERTIFICATE IS ISSUED IN THE NAME OF Phyllis Shiller (Chemistry)
Kathleen Cressia (Microbiology) 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:

DRINKING WATER, NON-POTABLE/WASTEWATER, SOLID WASTE/SOIL
Examination For:
BACTERIA
INORGANIC CHEMICALS
ORGANIC CHEMICALS
RADIOCHEMICALS

ENVIRONMENTAL HEALTH & HOUSING
Examination For:
LEAD In PAINT
LEAD In DUST WIPES
LEAD (PAINT) In SOIL

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

EFFECTIVE RENEWAL DATE July 1, 2016

THIS CERTIFICATE EXPIRES June 30, 2018 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH

DATED AT HARTFORD, CONNECTICUT, THIS 12th DAY OF October, 2016

Registration No. PH – 0618

SUZANNE BLANCAFLOR, MS, MPH
CHIEF, ENVIRONMENTAL HEALTH SECTION

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.

COMPLETE ENVIRONMENTAL TESTING

LOCATED AT 80 LUPES DRIVE IN STRATFORD, CT 06615

AND REGISTERED IN THE NAME OF DAVID DITTA

THIS CERTIFICATE IS ISSUED IN THE NAME OF DAVID DITTA - DIRECTOR
TIMOTHY FUSCO – CO-DIRECTOR
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:

DRINKING WATER, NON-POTABLE WATER/WASTEWATER
SOIL/ SOLID WASTE
BACTERIA
INORGANIC CHEMICALS
ORGANIC CHEMICALS
RADIOCHEMICALS

ENVIRONMENTAL HEALTH & HOUSING
LEAD IN PAINT
LEAD IN SOIL
LEAD IN DUST WIPES

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

EFFECTIVE RENEWAL DATE October 1, 2018

THIS CERTIFICATE EXPIRES September 30, 2020 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH

DATED AT HARTFORD, CONNECTICUT, THIS 10th DAY OF September, 2018

Registration No.

PH-0116

SUZANNE BLANCAFLOR, MS
CHIEF, ENVIRONMENTAL HEALTH SECTION

APPENDIX E

TRC ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORMS

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

Edition: October 2009
Supersede Previous Edition

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

LAB ID #. 50881

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME
222165-5616-0710	CTDOT – Brookfield Maintenance Facility, Brookfield, CT		PLM: 8hr [X] 24hr [ ] 48hr [ ] 3day TEM: [ ] 24hr [ ] 48hr [X] 3day [ ] 5day

SIGNATURE	INSPECTOR
Tom Martin	Tom Martin

FIELD SAMPLE NUMBER	DATE	TIME	TYPE: COMP	TYPE: GRAB	SAMPLE LOCATION	PLM EPA 600/R93/116 (POSITIVE STOP)	PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)	MATERIAL
1	7/5/17	1402			Bay 4 loft	X					CP11 – white fiberglass end sealant
2	7/5/17	0954			Women's room	X					CP11 – white fiberglass end sealant
3	7/5/17	1328			Office 2	X					PI1 – paper/foil/tar pipe insulation wrap on fiberglass 1" line
4	7/5/17	1400			Bay 4 loft	X					PI1 – paper/foil/tar pipe insulation wrap on fiberglass 1" line
5	7/5/17	1138			Bay 9	X					PI1 – paper/foil/tar pipe insulation wrap on fiberglass 1" line
6	7/5/17	0934			Generator room	X					DWG1 – sticky, grey door window glaze
7	7/5/17	0936			Generator room	X				X	DWG1 – sticky, grey door window glaze
8	7/5/17	1124			Bay 5	X					DWG2 – black, soft door window glaze
9	7/5/17	1125			Bay 5	X				X	DWG2 – black, soft door window glaze
10	7/5/17	1144			Bay 4	X					DWG3 – black, pliable door window glaze

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
(Printed) Tom Martin	Time: 1141	7/7/17 (Printed) Cathryn Lemire 1350	(Printed)	Time:	(Printed)

Remarks:

Condition of Samples: _____
Acceptable: Yes X No _____
Comments:

Edition: October 2009
Supersede Previous Edition

TRC

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

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

LAB ID #. 50581

PROJECT NUMBER	PROJECT NAME	TURNAROUND TIME
222165-5616-0710	CTDOT – Brookfield Maintenance Facility, Brookfield, CT	PLM: 8hr [X] 24hr 48hr 3day TEM: 24hr 48hr [X] 3day 5day
SIGNATURE: Tom Martin	INSPECTOR: Tom Martin	

FIELD SAMPLE NUMBER	DATE	TIME	TYPE: COMP	TYPE: GRAB	SAMPLE LOCATION	PARAMETERS: PLM EPA 600/R93/116 (POSITIVE STOP)	PARAMETERS: PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	PARAMETERS: ANALYZE BY LAYER	PARAMETERS: POINT COUNT (IF >1% & <10%)	PARAMETERS: TEM NY NOB 198.4 (IF PLM SERIES NEG)	MATERIAL
11	7/5/17	1145			Bay 4	X				X	DWG3 – black, pliable door window glaze
12	7/5/17	0955			Library	X					EJ1 – black, tar-like floor expansion joint material
13	7/5/17	1002			Bay 13	X					EJ1 – black, tar-like floor expansion joint material
14	7/5/17	1005			Bay 13	X					EJ2 – brown, fibrous floor expansion joint material
15	7/5/17	1056			Bay 11	X					EJ2 – brown, fibrous floor expansion joint material
16	7/3/17	1317			Office 1					X	C1 – white, flexible door caulk
17	7/3/17	1400			Exterior – D side o/s Generator room	X					C2 – exterior, beige brittle vent caulk
18	7/5/17	1401			Exterior – D side o/s Generator room	X				X	C2 – exterior, beige brittle vent caulk
19	7/3/17	1337			Office 1					X	WG1 – interior, brittle grey window glazing on 9 pane metal sash windows
20	7/3/17	1321			Office 1					X	G1 – tan glue associated with former covebase in Offices 1 & 2

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
Tom Martin	7/7/17	7/7/17			
(Printed) Tom Martin	Time: 1141	(Printed) Cathryn Lomica 1320	(Printed)	Time:	(Printed)

Remarks:

Condition of Samples: _____
Acceptable: Yes X No _____
Comments:

NT 16536

Proscience Analytical Services, Inc.

22 Cummings Park, Woburn, MA 01801 Ph. 781-935-5212 Fax 781-932-4857

TEM Bulk Chain of Custody Record

Date: 07/07/17

PO#: **C222165**
Client: TRC
Client Job#: 222165.5616.0710
Client Job Ref./Loc.: CT DOT- Brookfield Maintenance Facility, Brookfield, CT
Relinquished by: K. Williamson- KWilliamson@trcsolutions.com
Received by: Shirley 7/10/17 8:30a
Report to: E. Plimpton- EPlimpton@trcsolutions.com & SArienti@trcsolutions.com
Samplers Name: T. Martin

Analysis Type: Chatfield **EPA N.O.B** Qualitative

Turn Around Time: <12 Hour <24 Hour **<48 Hour** <3 Day 5 Day Other:

				For Lab Use Only	
Client ID #	**Lab ID#**	**Description**	**Location**	**Acceptable on Receipt**	**Comments**
7	50881	Glaze	See COC		
9	50881	Glaze			
11	50881	Glaze			
16	50881	Caulk			
19	50881	Glaze			
20	50881	Glue			
13	50881	Expansion Joint			

For Lab Use Only	# Spies	Total	Client #	Batch #	Results Reported	Comments

APPENDIX F

TRC ASBESTOS PLM LABORATORY ANALYSIS DATA

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

TRC
Results you can rely on

BULK ASBESTOS ANALYSIS REPORT

CLIENT: CT Department of Transportation

Lab Log #:	0050881
Project #:	222165.5616.0710
Date Received:	07/07/2017
Date Analyzed:	07/07/2017

Site: Brookfield Maintenance Facility, Brookfield, 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/Yellow (sealant)	Yes	No	--	20%	fibrous glass	ND	None
2	White/Yellow (sealant)	Yes	No	--	20%	fibrous glass	ND	None
3	Black/Silver (foil insulation)	Yes	No	--	20%	fibrous glass	ND	None
4	Black/Silver (foil insulation)	Yes	No	--	20%	fibrous glass	ND	None
5	Black/Silver (foil insulation)	Yes	No	--	20%	fibrous glass	ND	None
6	Grey (glaze)	Yes	No	--		---	ND	None
7	Grey (glaze)	Yes	No	--		---	ND	None
8	Black (glaze)	Yes	No	--		---	ND	None
9	Black (glaze)	Yes	No	--		---	ND	None
10	Black (glaze)	Yes	No	--		---	ND	None
11	Black (glaze)	Yes	No	--		---	ND	None
12	Black (expansion joint)	Yes	No	--	30%	cellulose	ND	None
13	Black (expansion joint)	Yes	No	--	30%	cellulose	ND	None
14	Brown (expansion joint)	Yes	No	--	80%	cellulose	ND	None
15	Brown (expansion joint)	Yes	No	--	80%	cellulose	ND	None
16	White (caulk)	Yes	No	--		---	ND	None
17	Beige (caulk)	Yes	No	--		---	3%	Chrysotile

Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

TRC
Results you can rely on

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

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
18	--	--	--	--	--	NA/PS	--
19	Grey (glaze)	Yes	No	--	---	ND	None
20	Tan (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, 2018. TRC is accredited by the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC in the Industrial Hygiene Program (IHLAP) for PLM effective through October 1, 2018. 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.

Analyzed by: K. Williamson
Kathleen Williamson, Laboratory Manager

Reviewed by: Cathryn Lemire
Cathryn Lemire, Approved Signatory

Date Issued
07/10/2017

APPENDIX G

TRC ASBESTOS 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 #: 222165.5616.0710
Client Reference: CT DOT - Brookfield Maintenance Facility, Brookfield, CT
PO #: C222165
Client #: 297
Client Name: TRC Environmental Corp. (CT)

Batch: NT 16536
Method: NOB
Date Received: 7/10/2017
Date Analyzed: 7/12/2017
Date of Report: 7/12/2017

LAB ID	Field ID	Description:	Color	Initial Weight	% Asbestos Types						% Other Non-asb.	% Organic	% Carb.	Total % Asbestos	Analyzed / Charged	Preped / Charged
					CHR	AMO	ACT	CRO	ANT	TRE						
NT124645	7	Sticky, Grey Door Window Glaze		.1053	.00	.00	.00	.00	.00	.00	55.17	41.79	3.04	ND	Yes	No
NT124646	9	Black, Soft Door Window Glaze		.1206	.00	.00	.00	.00	.00	.00	9.71	31.92	58.37	ND	Yes	No
NT124647	11	Black, Pliable Door Window Glaze		.1746	.00	.00	.00	.00	.00	.00	36.37	54.18	9.45	ND	Yes	No
NT124648	13	Black, Tar-like Floor Expansion Joint Material		.1237	.30	.00	.00	.00	.00	.00	15.12	75.91	8.97	TR	Yes	No
NT124649	16	White, Flexible Door Caulk		.2617	.02	.00	.00	.00	.00	.00	2.26	26.90	70.84	TR	Yes	No
NT124650	19	Interior, Brittle Grey Window Glazing		.1904	.07	.00	.00	.00	.00	.00	3.25	12.61	84.14	TR	Yes	No
NT124651	20	Tan Glue		.1034	.00	.00	.00	.00	.00	.00	31.72	58.32	9.96	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

APPENDIX H

TRC LEAD PAINT XRF MEASUREMENT TABLE

Lead Based Paint Measurement Summary Table

Device(s):	Niton XLP301-A (Serial #24792) X Ray Fluorescence (XRF) Spectrum Analyzer
Site:	Brookfield Maintenance Facility, Brookfield, Connecticut
Project # :	222165-5616-0710
Date(s):	7/3/2017
Inspector:	Kelly Grey (Lead Inspector #0022267)

Number	Room	Side	Structure	Feature	Material	Color	Condition	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
1	0.0 calibration							< LOD	0.0	1	2.32	7/3/2017 9:29
2	0.7 calibration							0.7	0.1	1.1	5.02	7/3/2017 9:29
3	1.5 calibration							1.5	0.1	1.14	5.39	7/3/2017 9:30
4	Office 1	A	Wall	--	Block	White	Intact	0.6	0.1	2.5	6.51	7/3/2017 10:40
5	Office 1	B	Wall	--	Block	White	Intact	0.3	0.1	1.96	5.78	7/3/2017 10:41
6	Office 1	B	Window	Casing	Metal	White	Intact	1.2	0.3	3.7	4.61	7/3/2017 10:42
7	Office 1	B	Window	Casing	Metal	White	Intact	0.8	0.1	2.44	5.74	7/3/2017 10:42
8	Office 1	C	Window	Casing	Metal	Brown	Intact	< LOD	0.6	4.09	13.47	7/3/2017 10:43
9	Office 1	C	Window	Casing	Metal	Brown	Intact	< LOD	0.6	5.13	15.76	7/3/2017 10:43
10	Office 1	C	Window	Casing	Metal	Brown	Intact	< LOD	0.0	1	3.84	7/3/2017 10:44
11	Office 1	C	Door	Casing	Metal	Brown	Intact	0.3	0.1	1.92	5.75	7/3/2017 10:45
12	Office 1	A	Door	--	Metal	Brown	Intact	0.5	0.1	2.73	5.4	7/3/2017 10:45
13	Office 1	A	Door	Jamb	Metal	Brown	Intact	< LOD	1.2	2.67	5.37	7/3/2017 10:45
14	Office 1	A	Door	Jamb	Metal	Brown	Intact	< LOD	0.8	2.75	13.46	7/3/2017 10:46
15	Office 1	A	Door	Jamb	Metal	Brown	Intact	0.1	0.1	1.77	3.83	7/3/2017 10:46
16	Office 2	A	Door	Jamb	Wood	Brown	Intact	< LOD	0.0	1	1.92	7/3/2017 10:47
17	Office 2	A	Door	Casing	Wood	Brown	Intact	< LOD	0.0	1	1.93	7/3/2017 10:47
18	Office 2	A	Door	--	Wood	Brown	Intact	< LOD	0.0	1	1.95	7/3/2017 10:48
19	Office 2	A	Door	--	Metal	Brown	Intact	0.7	0.2	3.18	4.99	7/3/2017 10:48
20	Office 2	A	Door	Casing	Metal	Brown	Intact	0.6	0.2	2.97	3.85	7/3/2017 10:48
21	Office 2	C	Window	Casing	Metal	Brown	Intact	< LOD	0.0	1.44	9.59	7/3/2017 10:50
22	Office 2	C	Wall	--	Block	White	Intact	0.2	0.1	3.28	4.24	7/3/2017 10:50
23	Office 2	C	Wall	Beam	Metal	White	Intact	1.3	0.5	3.41	3.08	7/3/2017 10:51
24	Office 2	C	Wall	Beam	Metal	White	Intact	1.4	0.3	3.64	4.23	7/3/2017 10:52
25	Office 2	D	Wall	--	Block	White	Intact	0.2	0.1	3.28	3.84	7/3/2017 10:52
26	Office 2	--	Floor	--	Concrete	Grey	Defective	< LOD	0.0	1.59	4.21	7/3/2017 10:53
27	Office 2	--	Floor	--	Concrete	Grey	Defective	< LOD	0.0	1	3.84	7/3/2017 10:53
28	Generator Room	B	Wall	--	Block	Tan/Beige	Intact	< LOD	0.0	1	2.32	7/3/2017 10:57
29	Generator Room	B	Generator	--	Metal	Green	Intact	0.1	0.0	1.05	4.23	7/3/2017 10:58
30	Generator Room	B	Generator	--	Metal	Green	Intact	0.1	0.0	1	4.6	7/3/2017 10:59
31	Generator Room	C	Door	--	Metal	Brown	Intact	< LOD	0.0	1	3.45	7/3/2017 11:00
32	Generator Room	C	Door	Casing	Metal	Brown	Intact	< LOD	0.0	1	3.09	7/3/2017 11:00
33	Exterior Generator Room	C	Door	Threshold	Metal	Yellow	Intact	0.8	0.1	1.14	6.92	7/3/2017 11:02

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:	Brookfield Maintenance Facility, Brookfield, Connecticut
Project # :	222165-5616-0710
Date(s):	7/3/2017
Inspector:	Kelly Grey (Lead Inspector #002267)

Number	Room	Side	Structure	Feature	Material	Color	Condition	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
34	Generator Room	C	Door	--	Metal	Brown	Intact	< LOD	0.0	1	1.93	7/3/2017 11:03
35	Boiler Room	C	Door	--	Metal	Brown	Intact	< LOD	0.0	1.65	2.68	7/3/2017 11:04
36	Boiler Room	C	Door	--	Metal	Brown	Intact	< LOD	0.0	1	1.93	7/3/2017 11:04
37	Boiler Room	C	Door	Jamb	Metal	Brown	Intact	< LOD	0.0	1	1.93	7/3/2017 11:04
38	Boiler Room	C	Door	Casing	Metal	Brown	Intact	< LOD	0.0	1	1.91	7/3/2017 11:05
39	Boiler Room	C	Door	Threshold	Concrete	Yellow	Defective	< LOD	0.0	1.18	4.6	7/3/2017 11:05
40	Boiler Room	--	Floor	--	Concrete	Red	Defective	< LOD	0.0	2.51	6.9	7/3/2017 11:06
41	Boiler Room	A	Wall	--	Block	White	Intact	< LOD	0.0	1.83	4.23	7/3/2017 11:07
42	Boiler Room	C	Wall	--	Block	White	Intact	< LOD	0.0	1	3.85	7/3/2017 11:07
43	Boiler Room	D	Wall	--	Brick	White	Intact	< LOD	0.0	1	3.46	7/3/2017 11:08
44	Boiler Room	D	Wall	Vent	Metal	White	Intact	< LOD	0.0	1	1.95	7/3/2017 11:08
45	Hallway	A	Wall	--	Block	White	Intact	0.4	0.1	3.11	5.74	7/3/2017 11:18
46	Hallway	C	Wall	--	Block	White	Intact	0.4	0.1	2.8	5.01	7/3/2017 11:18
47	Hallway	B	Door	--	Wood	Brown	Intact	1.0	0.3	5.26	4.61	7/3/2017 11:19
48	Hallway	B	Door	--	Wood	Brown	Intact	0.7	0.2	3.84	5.38	7/3/2017 11:19
49	Hallway	B	Door	Casing	Metal	Brown	Intact	0.6	0.3	2.49	3.08	7/3/2017 11:20
50	Hallway	--	Floor	--	Brick	Grey	Defective	< LOD	0.0	2.79	6.15	7/3/2017 11:21
51	Hallway	--	Floor	--	Brick	Grey	Defective	< LOD	0.0	1.22	3.45	7/3/2017 11:21
52	Hallway	A	Door	Baseboard	Block	Brown	Intact	0.3	0.1	4.48	6.92	7/3/2017 11:22
53	Library	C	Door	Casing	Wood	Brown	Intact	0.3	0.1	2.56	4.99	7/3/2017 11:23
54	Library	D	Door	Casing	Wood	Brown	Intact	1.8	0.6	2.31	2.32	7/3/2017 11:23
55	Library	D	Door	--	Wood	Brown	Intact	< LOD	0.0	1.55	2.68	7/3/2017 11:24
56	Library	--	Floor	--	Concrete	Grey	Intact	< LOD	0.1	3.64	6.15	7/3/2017 11:24
57	Library	B	Wall	--	Wood	Tan/Beige	Intact	0.2	0.1	1.64	4.24	7/3/2017 11:25
58	Library	B	Wall	--	Wood	White	Intact	< LOD	0.0	1	3.07	7/3/2017 11:25
59	Library	C	Wall	--	Block	White	Intact	< LOD	0.1	7.46	5	7/3/2017 11:26
60	Library	C	Wall	--	Block	Tan/Beige	Intact	0.2	0.1	1.93	5	7/3/2017 11:26
61	Locker Room	A	Wall	--	Block	White	Intact	< LOD	0.0	1.8	4.23	7/3/2017 11:27
62	Locker Room	D	Wall	--	Wood	White	Intact	< LOD	0.0	1	2.68	7/3/2017 11:28
63	Locker Room	D	Floor	--	Concrete	Grey	Intact	< LOD	0.0	1	3.84	7/3/2017 11:29
64	Locker Room	D	Lockers	--	Metal	Brown	Intact	< LOD	0.0	1	1.92	7/3/2017 11:29
65	Locker Room	C	Wall	I-beam	Metal	White	Intact	3.5	0.4	2.5	5.39	7/3/2017 11:38
66	Locker Room	--	Ceiling	--	Sheetrock	White	Intact	< LOD	0.1	4.43	2.29	7/3/2017 11:39

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:	Brookfield Maintenance Facility, Brookfield, Connecticut
Project # :	222165-5616-0710
Date(s):	7/3/2017
Inspector:	Kelly Grey (Lead Inspector #002267)

Number	Room	Side	Structure	Feature	Material	Color	Condition	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
67	Locker Room	--	Ceiling	--	Sheetrock	White	Intact	< LOD	0.0	1	1.92	7/3/2017 11:39
68	Womens Bath	--	Floor	--	Concrete	Grey	Intact	< LOD	0.1	3.16	5.37	7/3/2017 11:42
69	Womens Bath	--	Shower	--	Block	Grey	Intact	< LOD	0.0	1	3.83	7/3/2017 11:43
70	Womens Bath	--	Stall	--	Metal	Tan/Beige	Intact	0.2	0.1	1.65	2.7	7/3/2017 11:43
71	Womens Bath	--	Stall	--	Metal	Tan/Beige	Intact	0.2	0.1	1.47	3.84	7/3/2017 11:44
72	Womens Bath	D	Window	Casing	Metal	Brown	Intact	< LOD	0.0	1	3.86	7/3/2017 11:44
73	Womens Bath	A	Door	Casing	Metal	Brown	Intact	0.4	0.1	1.56	3.46	7/3/2017 11:45
74	Womens Bath	A	Door	--	Wood	Brown	Intact	0.4	0.2	1.46	3.07	7/3/2017 11:45
75	Womens Bath	A	Door	Vent	Metal	Grey	Intact	< LOD	0.0	1	1.93	7/3/2017 11:46
76	0.0 calibration	--	--	--	--			< LOD	0.0	1	1.92	7/3/2017 13:01
77	0.7 calibration	--	--	--	--			0.8	0.1	1.12	9.25	7/3/2017 13:01
78	1.6 calibration	--	--	--	--			1.5	0.1	1.1	5.78	7/3/2017 13:02
79	Library	A	Cabinet	--	Wood	Green	Intact	< LOD	0.0	1	1.93	7/3/2017 13:06
80	Library	A	Cabinet	Top	Metal	Green	Intact	< LOD	0.0	1	3.47	7/3/2017 13:06
81	Mens Bath	--	Floor	--	Concrete	Grey	Intact	< LOD	0.1	4.69	5.35	7/3/2017 13:09
82	Mens Bath	C	Wall	I-beam	Metal	Tan/Beige	Intact	1.1	0.1	2.39	16.17	7/3/2017 13:10
83	Mens Bath	C	Window	Casing	Metal	Brown	Intact	< LOD	0.0	1	3.85	7/3/2017 13:11
84	Mens Bath	C	Stall	Casing	Metal	Tan/Beige	Intact	0.2	0.1	1.76	4.24	7/3/2017 13:11
85	Mens Bath	C	Stall	Door	Metal	Tan/Beige	Intact	0.3	0.1	1.51	4.23	7/3/2017 13:12
86	Mens Bath	C	Stall	Wall	Metal	Tan/Beige	Intact	0.2	0.0	1.12	4.23	7/3/2017 13:12
87	Mens Bath	B	Door	Casing	Metal	Brown	Intact	0.6	0.1	1.85	4.22	7/3/2017 13:13
88	Mens Bath	B	Door	Door	Wood	Brown	Intact	0.7	0.2	2.64	4.98	7/3/2017 13:13
89	Hallway	--	Ceiling	--	Concrete	White	Intact	< LOD	0.0	3.27	3.84	7/3/2017 13:16
90	Hallway	--	Ceiling	I-beam	Concrete	White	Intact	0.3	0.1	4.19	4.62	7/3/2017 13:16
91	Hallway	--	Ceiling	I-beam	Concrete	White	Intact	< LOD	0.8	3.29	0.39	7/3/2017 13:16
92	Hallway	--	Ceiling	I-beam	Concrete	White	Intact	0.3	0.1	5.38	7.69	7/3/2017 13:17
93	Hallway	--	Ceiling	Cross beam	Metal	White	Intact	0.2	0.1	3.04	4.21	7/3/2017 13:17
94	Bay 1	A	Wall	--	Block	White	Intact	< LOD	0.1	2.32	3.46	7/3/2017 13:19
95	Bay 1	A	Wall	--	Block	Grey	Intact	0.1	0.0	1.89	5.01	7/3/2017 13:20
96	Bay 1	C	Wall	--	Block	Grey	Intact	< LOD	0.1	2.73	3.06	7/3/2017 13:21
97	Bay 1	C	Wall	--	Block	Red	Intact	0.1	0.0	1.19	5.4	7/3/2017 13:21
98	Bay 1	C	Wall	--	Block	White	Intact	< LOD	0.0	1.55	3.86	7/3/2017 13:22
99	Bay 1	C	Wall	--	Block	White	Intact	< LOD	0.0	1.01	3.44	7/3/2017 13:22

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:	Brookfield Maintenance Facility, Brookfield, Connecticut
Project # :	222165-5616-0710
Date(s):	7/3/2017
Inspector:	Kelly Grey (Lead Inspector #002257)

Number	Room	Side	Structure	Feature	Material	Color	Condition	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
100	Bay 1	C	Door	--	Metal	Brown	Intact	< LOD	0.0	1	4.23	7/3/2017 13:23
101	Bay 1	C	Door	Casing	Metal	Brown	Intact	< LOD	0.0	1	2.7	7/3/2017 13:23
102	Exterior Bay 1	C	Door	Casing	Metal	Brown	Intact	< LOD	0.0	1	3.08	7/3/2017 13:23
103	Bay 1	--	Floor	Lines	Concrete	White	Intact	< LOD	0.0	1.29	4.61	7/3/2017 13:24
104	Bay 1	--	Floor	Lines	Concrete	Yellow	Intact	< LOD	0.0	1	4.23	7/3/2017 13:25
105	Bay 1	C	Wall	I-beam	Metal	Grey	Intact	1.4	0.2	1.91	3.84	7/3/2017 13:26
106	Bay 1	C	Wall	I-beam	Metal	White	Intact	< LOD	1.1	3.44	0.77	7/3/2017 13:26
107	Bay 1	C	Wall	I-beam	Metal	White	Intact	0.2	0.1	1.93	3.45	7/3/2017 13:26
108	Bay 1	D	Vent duct	--	Metal	White	Intact	0.5	0.2	1.19	2.3	7/3/2017 13:27
109	Bay 1	D	vent duct	--	Metal	Grey	Intact	0.5	0.2	1.53	3.08	7/3/2017 13:28
110	Bay 1	B	Overhead door frame	--	Metal	Grey	Intact	< LOD	0.0	1	3.1	7/3/2017 13:29
111	Bay 1	B	Overhead door frame	--	Wood	Grey	Intact	0.9	0.1	1.9	11.94	7/3/2017 13:29
112	Bay 1	B	Overhead door frame	--	Wood	Grey	Intact	1.2	0.2	4.09	9.26	7/3/2017 13:30
113	Bay 1	A	Old door stop	--	Metal	Grey	Intact	0.0	0.0	1.27	8.04	7/3/2017 13:31
114	Bay 1	A	Wall	--	Block	Grey	Intact	< LOD	0.0	1	3.84	7/3/2017 13:32
115	Bay 1	A	Pipe	--	Metal	Grey	Intact	< LOD	0.0	1.45	5.35	7/3/2017 13:34
116	Bay 1	D	Wall	--	Block	Grey	Intact	< LOD	0.0	1	3.86	7/3/2017 13:34
117	Bay 1	D	Wall	--	Block	White	Intact	< LOD	0.0	1.44	3.08	7/3/2017 13:34
118	Bay 1	A	Door	Lentil	Metal	White	Intact	0.6	0.3	1.83	2.32	7/3/2017 13:35
119	Bay 2	C	Door	Lentil	Metal	White	Intact	1.3	0.2	1.78	4.62	7/3/2017 13:36
120	Bay 2	B	Overhead door	Frame	Metal	Grey	Intact	< LOD	0.0	1	4.25	7/3/2017 13:37
121	Bay 2	B	Overhead door	Frame	Wood	Grey	Intact	0.6	0.1	2.23	3.85	7/3/2017 13:38
122	Bay 2	--	Floor	Line	Concrete	Yellow	Defective	< LOD	0.0	1.82	3.84	7/3/2017 13:39
123	Bay 3	C	Wall	--	Block	Red	Intact	< LOD	0.0	1.73	4.97	7/3/2017 13:40
124	Bay 3	C	Wall	--	Block	Grey	Intact	< LOD	0.1	3.45	8.04	7/3/2017 13:40
125	Bay 3	C	Wall	--	Block	White	Intact	< LOD	0.1	2.28	2.7	7/3/2017 13:41
126	Bay 3	C	Lift frame	I-beam	Metal	White	Intact	10.0	1.7	3.05	4.24	7/3/2017 13:42
127	Bay 3	C	Lift frame	I-beam	Metal	Grey	Intact	11.4	1.6	5.37	5	7/3/2017 13:43
128	Bay 3	A	Lift frame	I-beam	Metal	Grey	Intact	11.8	2.0	6.53	3.46	7/3/2017 13:43
129	Bay 3	A	Wall	--	Block	Grey	Intact	< LOD	0.0	1.38	4.23	7/3/2017 13:44
130	Bay 4	B	Wall	--	Block	White	Intact	< LOD	0.0	1.11	5.01	7/3/2017 13:50
131	Bay 4	C	Wall	--	Block	White	Intact	< LOD	0.1	4.18	5.39	7/3/2017 13:50
132	Bay 4	C	Wall	--	Block	Grey	Intact	< LOD	0.0	2.72	4.6	7/3/2017 13:51

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

TRC Lead Based Paint Measurement Summary Table

Device(s):	Niton XLP301-A (Serial #24792) X Ray Fluorescence (XRF) Spectrum Analyzer
Site:	Brookfield Maintenance Facility, Brookfield, Connecticut
Project # :	222165-5616-0710
Date(s):	7/3/2017
Inspector:	Kelly Grey (Lead Inspector #002267)

Number	Room	Side	Structure	Feature	Material	Color	Condition	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
133	Bay 4	B	Door	--	Metal	Brown	Intact	< LOD	0.0	1	2.3	7/3/2017 13:51
134	Bay 4	B	Door	Jamb	Metal	Brown	Intact	< LOD	0.0	1	3.47	7/3/2017 13:52
135	Bay 4	--	Floor	--	Concrete	Grey	Defective	< LOD	0.1	2.75	5.75	7/3/2017 13:53
136	Bay 4	--	Floor	--	Concrete	White	Defective	< LOD	0.1	4.26	5.01	7/3/2017 13:54
137	Bay 4 Tools Room	A	Wall	--	Wood	Grey	Intact	< LOD	0.0	1.2	3.45	7/3/2017 13:55
138	Bay 4 Tools Room	A	Wall	--	Metal	Grey	Intact	< LOD	0.0	1.54	4.22	7/3/2017 13:56
139	Bay 4 Tools Room	C	Wall	--	Wood	Blue	Intact	2.1	0.2	1.6	4.61	7/3/2017 13:57
140	Bay 4 Tools Room	B	Shelf	--	Wood	Blue	Intact	< LOD	0.0	1.75	3.08	7/3/2017 13:57
141	Bay 4 Tools Room	B	Shelf	Support	Metal	Blue	Intact	< LOD	0.0	1	4.23	7/3/2017 13:58
142	Bay 4 Tools Room	C	Shelf	--	Wood	Blue	Intact	2.7	0.6	1.68	2.7	7/3/2017 13:59
143	Bay 4 Tools Room	A	Door	--	Wood	Grey	Intact	< LOD	0.0	1	3.08	7/3/2017 13:59
144	Bay 4 Tools Room	A	Door	Jamb	Wood	Grey	Intact	< LOD	0.1	2.27	3.83	7/3/2017 13:59
145	Bay 4 Compressor Room	B	Wall	--	Wood	White	Intact	< LOD	0.1	3.24	6.11	7/3/2017 14:01
146	Bay 4 Compressor Room	C	Wall	--	Block	White	Intact	< LOD	0.0	2.17	5.36	7/3/2017 14:02
147	Bay 4 Compressor Room	A	Column	--	Metal	Grey	Intact	1.5	0.2	2.15	4.99	7/3/2017 14:03
148	Bay 4 Compressor Room	--	Stair	Tread	Wood	Grey	Intact	< LOD	0.0	1	3.84	7/3/2017 14:04
149	Bay 4 Compressor Room	--	Stair	Tread	Wood	Yellow	Intact	0.1	0.1	2.96	4.99	7/3/2017 14:05
150	Bay 4 Compressor Room	--	Stair	Tread	Wood	Yellow	Intact	< LOD	0.0	1.58	3.45	7/3/2017 14:05
151	Bay 4 Compressor Room	--	Stair	Stringer	Wood	Grey	Intact	0.1	0.0	2.45	5.75	7/3/2017 14:06
152	Bay 4	--	Stair	Railing	Metal	Grey	Intact	0.1	0.0	2.14	4.97	7/3/2017 14:07
153	Bay 4	--	Floor	--	Wood	Grey	Intact	< LOD	0.0	1	3.05	7/3/2017 14:09
154	Bay 4	D	Wall	--	Block	White	Intact	< LOD	0.0	1	3.83	7/3/2017 14:10
155	Bay 4	A	Railing	Panel	Wood	Grey	Intact	0.1	0.0	1.59	4.61	7/3/2017 14:11
156	Bay 4	A	Railing	Support	Metal	Grey	Intact	< LOD	0.0	1.02	4.23	7/3/2017 14:12
157	Bay 4	--	Ceiling	I-beam	Metal	Grey	Intact	0.3	0.1	1.17	4.59	7/3/2017 14:13
158	Bay 4	--	Ceiling	Cross beam	Metal	Grey	Intact	0.2	0.1	1.15	4.24	7/3/2017 14:14
159	Bay 4	--	Ceiling	Lift	Metal	Orange	Intact	1.1	0.1	1	6.15	7/3/2017 14:15
160	Bay 4	--	Ceiling	Lift	Metal	Orange	Intact	1.3	0.1	1.06	5.8	7/3/2017 14:16
161	Bay 4	--	Ceiling	Large I-beam	Metal	Grey	Intact	0.2	0.1	1.06	4.23	7/3/2017 14:18
162	Bay 5	B	Wall	I-beam	Metal	Grey	Intact	0.2	0.1	1.51	3.86	7/3/2017 14:32
163	Bay 5	D	Wall	--	Block	Red	Intact	2.1	0.5	2.5	3.47	7/3/2017 14:33
164	Bay 5	D	Wall	--	Block	Grey	Intact	< LOD	0.1	3.83	4.59	7/3/2017 14:33
165	Bay 9	D	Wall	--	Block	White	Intact	< LOD	0.0	1.28	3.08	7/3/2017 14:34

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:	Brookfield Maintenance Facility, Brookfield, Connecticut
Project # :	222165-5616-0710
Date(s):	7/3/2017
Inspector:	Kelly Grey (Lead Inspector #002267)

Number	Room	Side	Structure	Feature	Material	Color	Condition	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
166	Bay 9	A	Wall	--	Block	Grey	Intact	< LOD	0.0	1	3.84	7/3/2017 14:34
167	Bay 9	A	Wall	Panel	Metal	Black	Intact	< LOD	0.1	1.14	2.32	7/3/2017 14:35
168	Bay 9	A	Window	Casing	Metal	Brown	Intact	< LOD	0.0	1	2.32	7/3/2017 14:35
169	Bay 9	A	Vent pipe	--	Metal	Grey	Intact	< LOD	0.8	9.79	8.09	7/3/2017 14:36
170	Bay 9	A	Vent pipe	--	Metal	Grey	Intact	< LOD	0.2	4.54	1.92	7/3/2017 14:36
171	Bay 9	A	Door	--	Metal	Brown	Intact	< LOD	0.0	1	1.92	7/3/2017 14:37
172	Bay 9	A	Door	Casing	Metal	Brown	Intact	< LOD	0.0	1	3.45	7/3/2017 14:37
173	Bay 10	C	Wall	--	Block	Tan/Beige	Intact	< LOD	0.1	3.43	5.01	7/3/2017 14:39
174	Bay 10	C	Column	--	Metal	Tan/Beige	Intact	0.0	0.0	1.72	5.77	7/3/2017 14:39
175	Bay 10	C	Column	--	Metal	White	Intact	< LOD	0.1	1.85	2.29	7/3/2017 14:40
176	Bay 10	B	Wall	--	Block	White	Intact	0.1	0.1	2.29	4.23	7/3/2017 14:40
177	Bay 10	B	Wall	--	Block	Tan/Beige	Intact	0.2	0.1	2.33	4.23	7/3/2017 14:41
178	Bay 10	C	Wall	--	Wood	Tan/Beige	Intact	< LOD	0.0	1	1.92	7/3/2017 14:41
179	Bay 10	C	Wall	--	Wood	White	Intact	< LOD	0.0	1	2.32	7/3/2017 14:41
180	Bay 10	A	Wall	--	Block	White	Intact	< LOD	0.0	1.9	3.84	7/3/2017 14:42
181	Bay 10	A	Wall	--	Block	Tan/Beige	Intact	< LOD	0.0	1	3.46	7/3/2017 14:42
182	Bay 10	A	Wall	I-beam	Metal	Tan/Beige	Intact	0.3	0.2	1.62	2.69	7/3/2017 14:43
183	Bay 10	A	Wall	I-beam	Metal	White	Intact	0.3	0.2	1.72	2.68	7/3/2017 14:43
184	Bay 10	A	Overhead door frame	--	Wood	Tan/Beige	Intact	1.5	0.2	2.19	3.85	7/3/2017 14:44
185	Bay 10	A	Overhead door	--	Metal	White	Intact	< LOD	0.0	1	1.94	7/3/2017 14:44
186	Bay 10	--	Column	--	Metal	Red	Intact	< LOD	0.0	1.11	7.3	7/3/2017 14:46
187	Bay 10	D	Door	--	Metal	Red	Intact	< LOD	0.6	10	10.01	7/3/2017 14:47
188	Bay 10	D	Door	--	Metal	Red	Intact	< LOD	0.2	3.07	2.68	7/3/2017 14:48
189	Bay 10	D	Door	Casing	Wood	Tan/Beige	Intact	< LOD	0.0	1	2.3	7/3/2017 14:48
190	Bay 10	--	Ceiling	Support beam	Metal	Red	Intact	< LOD	0.0	1	3.46	7/3/2017 14:49
191	Bay 10	--	Ceiling	Support beam	Metal	Red	Intact	< LOD	0.0	1.69	4.62	7/3/2017 14:49
192	Bay 10	--	Ceiling	Support beam	Metal	White	Intact	< LOD	0.0	1	1.92	7/3/2017 14:49
193	Bay 10	--	Stair	Stringer	Metal	Grey	Intact	< LOD	0.0	1	1.54	7/3/2017 14:50
194	Bay 10	A	Window	Casing	Metal	Brown	Intact	< LOD	1.3	5.46	4.99	7/3/2017 14:51
195	Bay 10	A	Window	Casing	Metal	Brown	Intact	< LOD	0.0	1	3.47	7/3/2017 14:51
196	Bay 10	A	Window	Lentil	Metal	Grey	Intact	0.9	0.1	1.72	9.62	7/3/2017 14:52
197	Bay 11	B	Column	--	Metal	Green	Intact	0.8	0.1	1.03	4.25	7/3/2017 14:53
198	Bay 11	B	Overhead door	--	Metal	White	Intact	< LOD	0.0	1	1.91	7/3/2017 14:54

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:	Brookfield Maintenance Facility, Brookfield, Connecticut
Project # :	222165-5616-0710
Date(s):	7/3/2017
Inspector:	Kelly Grey (Lead Inspector #0022267)

Number	Room	Side	Structure	Feature	Material	Color	Condition	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
199	Bay 11	--	Ceiling	Beam	Metal	Grey	Intact	< LOD	0.1	1	2.88	7/3/2017 14:55
200	Bay 11	--	Ceiling	Beam	Metal	Grey	Intact	**0.3**	0.1	1.13	2.89	7/3/2017 14:55
201	Bay 12, 13	D	Wall	--	Block	Grey	Intact	**2.9**	0.6	2.23	3.46	7/3/2017 14:57
202	Bay 12, 13	B	Wall	--	Wood	Grey	Intact	**2.1**	0.5	1.99	3.1	7/3/2017 14:58
203	Bay 12, 13	B	Column	--	Metal	Grey	Intact	**0.8**	0.2	1.2	3.45	7/3/2017 14:58
204	Bay 12, 13	A	Railing	Trimwork	Wood	White	Intact	< LOD	0.0	1.21	3.06	7/3/2017 14:59
205	Bay 12, 13	A	Beam	Trimwork	Metal	White	Intact	**0.9**	0.1	1.72	10.77	7/3/2017 15:00
206	Exterior Bay 12, 13	D	Door	--	Metal	Brown	Intact	< LOD	0.0	1	3.09	7/3/2017 15:01
207	Exterior Bay 12, 13	D	Door	Casing	Metal	Brown	Intact	< LOD	0.0	1	3.06	7/3/2017 15:01
208	Exterior	D	Gutter	--	Metal	Brown	Intact	< LOD	0.0	1	1.53	7/3/2017 15:02
209	Exterior	C	Window	Sash ext	Metal	Brown	Intact	< LOD	0.0	1	3.46	7/3/2017 15:03
210	Exterior	A	Gas island	Trimwork	Metal	Yellow	Intact	< LOD	0.1	2.23	2.7	7/3/2017 15:08
211	Exterior	A	Gas island	bumper	Metal	Yellow	Intact	< LOD	0.0	1	3.46	7/3/2017 15:09
212	0.0 calibration	--	--	--	--			< LOD	0.0	1	1.92	7/3/2017 15:10
213	0.7 calibration	--	--	--	--			0.7	0.2	1.08	3.45	7/3/2017 15:10
214	1.6 calibration	--	--	--	--			1.6	0.3	1.15	3.44	7/3/2017 15:11

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

APPENDIX I

COMPOSITE BUILDING MATERIAL WASTE CHARACTERIZATION DATA

80 Lupes Drive
Stratford, CT 06615

Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cetl@cetlabs.com

Client: Mr. Erik Plimpton
TRC Environmental Consultants
21 Griffin Rd., North
Windsor, CT 06095

Analytical Report

CET# 8120027

Report Date:December 07, 2018
Project: CT DOT, Brookfield MF
Project Number: 222165.5616.0710

Connecticut Laboratory Certificate: PH 0116
Massachusetts Laboratory Certificate: M-CT903
Rhode Island Laboratory Certificate: 199

New York NELAP Accreditation: 11982
Pennsylvania Certificate: 68-02927

CET # : 8120027
Project: CT DOT, Brookfield MF
Project Number: 222165.5616.0710

SAMPLE SUMMARY

The sample(s) were received at 23.6°C.
This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
01 Bays 10,11,12	8120027-01	Solid	11/29/2018	12/03/2018

Analyte: TCLP Lead [EPA 6020A] **Analyst: CED**

Prep: EPA 3005A-1311 **Matrix: Extract**

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
8120027-01	01 Bays 10,11,12	1.9	0.013	mg/L	1	B8L0626	12/06/2018	12/06/2018 16:33	

CASE NARRATIVE

No collection times provided by client on chain of custody for the following samples: 8120027-01.

CET # : 8120027
Project: CT DOT, Brookfield MF
Project Number: 222165.5616.0710

All questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

David Ditta
Laboratory Director

This technical report was reviewed by Timothy Fusco

Project Manager

Report Comments:

Sample Result Flags:
E- The result is estimated, above the calibration range.
H- The surrogate recovery is above the control limits.
L- The surrogate recovery is below the control limits.
B- The compound was detected in the laboratory blank.
P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
D- The RPD between the sample and the sample duplicate is high. Sample Homogeneity may be a problem.
+- The Surrogate was diluted out.
*C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
*C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
*F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
*F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
I- The Analyte exceeds %RSD limits for the Initial Calibration. This is a non-directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

For Percent Solids, if any of the following prep methods (3050B, 3540C, 3545A, 3550C, 5035 and 9013A) were used for samples pertaining to this report, the percent solids procedure is within that prep method.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at or above the specified reporting limit
RL is the Reporting Limit.
All analyses were performed in house unless a Reference Laboratory is listed.
Samples will be disposed of 30 days after the report date.

CET # : 8120027
Project: CT DOT, Brookfield MF
Project Number: 222165.5616.0710

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 6020A in Water	
Lead	CT

Complete Environmental Testing operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Public Health	PH0116	09/30/2020

8120027

DAS RATES

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

Edition: November 2013
Supersede Previous Edition

TCLP CHAIN OF CUSTODY

LAB ID #. STD TAT

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME
222165.5016.0710	CONN DOT BROOKFIELD MF		24hr 48hr 3day 5day 24hr 48hr 3day 5day

INSPECTOR: (SIGNATURE)	(PRINTED)
Carmen Jacks	Carmen Jacks

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	RCRA Pb	RCRA Pb, AS, CR, CD	8 RCRA Metals	TCLP Pb	SPLP Pb		MATERIAL
1	11/29/18			X	BAYS 10, 11 AND 12				X			BRICK, CONCRETE, CMU BLOCK, CERAMIC TILE

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	11/29/18	1730		12-3-18	
(Printed) CARMEN JACKS	Time:	(Printed) ROBERT PERMANN	(Printed) ROBERT PERMANN	Time: 1500	(Printed)

SEND TO EPLIMPTON@TRCSOLUTIONS.COM

TEMP N 28.6

TRC

TCLP WASTE CHARACTERIZATION
FIELD SAMPLE COMPUTATION TABLE

Site: Brookfield Maintenance Facility Main Building, 1050 Federal Rd, Brookfield, CT

Project No.: 222165.5616.0710

Date: 11/29/2018
Inspector: Carmen Jacko
Prepared by:

	A	B									C = A*B	D	E=C*D	G=E/F*100
		Thickness (inches) ft												
Building Component	**Area (SF)**	1/16" **0.005**	1/8" **0.010**	1/2" **0.042**	3/4" **0.063**	1" **0.083**	2" **0.167**	4" **0.333**	6" **0.500**	8" **0.667**	12" **1.000**	**Volume (CF)**	**Density (lb/CF)**	**Mass (lb)**	**% of total Mass**
sheetrock				0.042								0.0	50	0.0	0.0
plaster				0.042								0.0	45	0.0	0.0
brick	1944.0							0.333				647.4	120	77682.2	35.2
roofing				0.042								0.0	70	0.0	0.0
wood framing (walls) +								0.333				0.0	32	0.0	0.0
wood framing (roof/floors) +									0.500			0.0	32	0.0	0.0
hardwood flooring						0.083						0.0	45	0.0	0.0
ceiling tile (cellulose)				0.042								0.0	23	0.0	0.0
ceramic tile	304.0			0.042								12.8	40	510.7	0.2
aluminum siding		0.005										0.0	169	0.0	0.0
cmu	4864.0					0.010						48.6	120	5836.8	2.6
concrete	1461.0								0.667			974.5	140	136428.2	61.9
stone										0.667		0.0	140	0.0	0.0
plywood					0.063							0.0	34	0.0	0.0
glass			0.010									0.0	170	0.0	0.0
wood trim/window/door					0.063							0.0	38	0.0	0.0
													Total Mass	220458	100%

= typical thickness value

F=sum of E

+ framing area (SF) per wall = [(6L+3H+2LH)/18], where L & H are in feet, assuming 18" o.c. construction
* CTDEP waste characterization guidelines recommend one TCLP sample for every 2,500 SF of floor space
* concrete/stone foundation should not be included in TCLP sample unless foundation is to be completely removed during demolition and disposed off site
* steel should not be included in TCLP sample, steel to be recycled and not disposed of
* material density values taken from Lindeburg, ME reference manual, 10th edition, 1997
* components with very low density or very low volume (i.e. vinyl flooring/siding, insulations, carpet, ceramic tile, fixtures, etc) presumed negligible to mass and not included
* collect separate aliquot samples of applicable components
* calculate % of total mass for each component
* prepare 100 gram sample in lab by combining subsamples of aliquots at %'s calculated. Do not grind material up, this creates increased surface area and unrepresentative leachability
* submit entire 100 gram sample for TCLP analysis (this eliminates lab analyst error where only a non-representative portion of a larger submitted sample is analyzed) 100 g = method minimum

APPENDIX J

PCB CAULK/GLAZE LABORATORY ANALYSIS DATA

PHOENIX
Environmental Laboratories, Inc.

Thursday, September 28, 2017

Attn: Mr. Erik Plimpton
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Project ID: DOT BROOKVIEW MF MAIN BLDG
Sample ID#s: BZ06769 - BZ06773

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

September 28, 2017

SDG I.D.: GBZ06769

Sample BZ06769 was received past hold time for Caulk Extraction for PCB (SW3540C).
Sample BZ06770 was received past hold time for Caulk Extraction for PCB (SW3540C).
Sample BZ06771 was received past hold time for Caulk Extraction for PCB (SW3540C).
Sample BZ06772 was received past hold time for Caulk Extraction for PCB (SW3540C).
Sample BZ06773 was received past hold time for Caulk Extraction for PCB (SW3540C).

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 28, 2017

FOR: Attn: Mr. Erik Plimpton
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	BULK	Collected by:	TM	07/06/17	12:00
Location Code:	TRC-PCB	Received by:	B	09/21/17	18:33
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	222165-5616.710				

Laboratory Data

SDG ID: GBZ06769
Phoenix ID: BZ06769

Project ID: DOT BROOKVIEW MF MAIN BLDG
Client ID: WG1-A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				09/21/17	BB/Q	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.33	mg/Kg	2	09/22/17	AW	SW8082A
PCB-1221	ND	0.33	mg/Kg	2	09/22/17	AW	SW8082A
PCB-1232	ND	0.33	mg/Kg	2	09/22/17	AW	SW8082A
PCB-1242	ND	0.33	mg/Kg	2	09/22/17	AW	SW8082A
PCB-1248	ND	0.33	mg/Kg	2	09/22/17	AW	SW8082A
PCB-1254	0.49	0.33	mg/Kg	2	09/22/17	AW	SW8082A
PCB-1260	ND	0.33	mg/Kg	2	09/22/17	AW	SW8082A
PCB-1262	ND	0.33	mg/Kg	2	09/22/17	AW	SW8082A
PCB-1268	ND	0.33	mg/Kg	2	09/22/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	65		%	2	09/22/17	AW	30 - 150 %
% TCMX	69		%	2	09/22/17	AW	30 - 150 %

Project ID: DOT BROOKVIEW MF MAIN BLDG
Client ID: WG1-A

Phoenix I.D.: BZ06769

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Results are reported on an ``as received'' basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
September 28, 2017
Reviewed and Released by: Kathleen Crosela, QA/QC Officer

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 28, 2017

FOR: Attn: Mr. Erik Plimpton
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	BULK	Collected by:	TM	07/06/17	13:09
Location Code:	TRC-PCB	Received by:	B	09/21/17	18:33
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	222165-5616.710				

Laboratory Data

SDG ID: GBZ06769
Phoenix ID: BZ06770

Project ID: DOT BROOKVIEW MF MAIN BLDG
Client ID: DWG1-A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference	
Caulk Extraction for PCB	Completed				09/26/17	BC/Q	SW3540C	
PCB (Soxhlet SW3540C)								
PCB-1016	ND	0.8	mg/Kg	5	09/28/17	AW	SW8082A	
PCB-1221	ND	0.8	mg/Kg	5	09/28/17	AW	SW8082A	
PCB-1232	ND	0.8	mg/Kg	5	09/28/17	AW	SW8082A	
PCB-1242	ND	0.8	mg/Kg	5	09/28/17	AW	SW8082A	
PCB-1248	ND	0.8	mg/Kg	5	09/28/17	AW	SW8082A	
PCB-1254	ND	0.8	mg/Kg	5	09/28/17	AW	SW8082A	
PCB-1260	ND	0.8	mg/Kg	5	09/28/17	AW	SW8082A	
PCB-1262	ND	0.8	mg/Kg	5	09/28/17	AW	SW8082A	
PCB-1268	ND	0.8	mg/Kg	5	09/28/17	AW	SW8082A	
QA/QC Surrogates								
% DCBP	42		%	5	09/28/17	AW	30 - 150 %	
% TCMX	24		%	5	09/28/17	AW	30 - 150 %	5

Project ID: DOT BROOKVIEW MF MAIN BLDG
Client ID: DWG1-A

Phoenix I.D.: BZ06770

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Results are reported on an ''as received'' basis, and are not corrected for dry weight.

PCB Comment:
For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

PCB Comment:
Poor surrogate recovery was observed for PCBs. Sample was re-extracted with similar results.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
September 28, 2017
Reviewed and Released by: Kathleen Croesis, QA/QC Officer

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 28, 2017

FOR: Attn: Mr. Erik Plimpton
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	BULK	Collected by:	TM	07/06/17	13:05
Location Code:	TRC-PCB	Received by:	B	09/21/17	18:33
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	222165-5616.710				

Laboratory Data

SDG ID: GBZ06769
Phoenix ID: BZ06771

Project ID: DOT BROOKVIEW MF MAIN BLDG
Client ID: DWG2-A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				09/26/17	BC/Q	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.74	mg/Kg	5	09/26/17	AW	SW8082A
PCB-1221	ND	0.74	mg/Kg	5	09/26/17	AW	SW8082A
PCB-1232	ND	0.74	mg/Kg	5	09/26/17	AW	SW8082A
PCB-1242	ND	0.74	mg/Kg	5	09/26/17	AW	SW8082A
PCB-1248	ND	0.74	mg/Kg	5	09/26/17	AW	SW8082A
PCB-1254	ND	0.74	mg/Kg	5	09/26/17	AW	SW8082A
PCB-1260	ND	0.74	mg/Kg	5	09/26/17	AW	SW8082A
PCB-1262	ND	0.74	mg/Kg	5	09/26/17	AW	SW8082A
PCB-1268	ND	0.74	mg/Kg	5	09/26/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	62		%	5	09/26/17	AW	30 - 150 %
% TCMX	34		%	5	09/26/17	AW	30 - 150 %

Project ID: DOT BROOKVIEW MF MAIN BLDG
Client ID: DWG2-A

Phoenix I.D.: BZ06771

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

PCB Comment:
For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
September 28, 2017
Reviewed and Released by: Kathleen Crossla, QA/QC Officer

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 28, 2017

FOR: Attn: Mr. Erik Plimpton
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	BULK	Collected by:	TM	07/06/17	13:27
Location Code:	TRC-PCB	Received by:	B	09/21/17	18:33
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	222165-5616.710				

Laboratory Data

SDG ID: GBZ06769
Phoenix ID: BZ06772

Project ID: DOT BROOKVIEW MF MAIN BLDG
Client ID: DWG3-A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				09/21/17	BB/Q	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.32	mg/Kg	2	09/23/17	AW	SW8082A
PCB-1221	ND	0.32	mg/Kg	2	09/23/17	AW	SW8082A
PCB-1232	ND	0.32	mg/Kg	2	09/23/17	AW	SW8082A
PCB-1242	ND	0.32	mg/Kg	2	09/23/17	AW	SW8082A
PCB-1248	ND	0.32	mg/Kg	2	09/23/17	AW	SW8082A
PCB-1254	ND	0.32	mg/Kg	2	09/23/17	AW	SW8082A
PCB-1260	ND	0.32	mg/Kg	2	09/23/17	AW	SW8082A
PCB-1262	ND	0.32	mg/Kg	2	09/23/17	AW	SW8082A
PCB-1268	ND	0.32	mg/Kg	2	09/23/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	46		%	2	09/23/17	AW	30 - 150 %
% TCMX	34		%	2	09/23/17	AW	30 - 150 %

Project ID: DOT BROOKVIEW MF MAIN BLDG
Client ID: DWG3-A

Phoenix I.D.: BZ08772

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Results are reported on an "as received" basis, and are not corrected for dry weight.

PCB Comment:
For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services.
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Phyllis Shiller, Laboratory Director
September 29, 2017
Reviewed and Released by: Kathleen Crossla, QA/QC Officer

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

September 28, 2017

FOR: Attn: Mr. Erik Plimpton
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information		Custody Information		Date	Time
Matrix:	BULK	Collected by:	TM	07/06/17	11:16
Location Code:	TRC-PCB	Received by:	B	09/21/17	18:33
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	222165-5616.710				

Laboratory Data

SDG ID: GBZ06769
Phoenix ID: BZ06773

Project ID: DOT BROOKVIEW MF MAIN BLDG
Client ID: C2-A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Caulk Extraction for PCB	Completed				09/21/17	BB/Q	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.76	mg/Kg	5	09/23/17	AW	SW8082A
PCB-1221	ND	0.76	mg/Kg	5	09/23/17	AW	SW8082A
PCB-1232	ND	0.76	mg/Kg	5	09/23/17	AW	SW8082A
PCB-1242	ND	0.76	mg/Kg	5	09/23/17	AW	SW8082A
PCB-1248	ND	0.76	mg/Kg	5	09/23/17	AW	SW8082A
PCB-1254	1.7	0.76	mg/Kg	5	09/23/17	AW	SW8082A
PCB-1260	ND	0.76	mg/Kg	5	09/23/17	AW	SW8082A
PCB-1262	ND	0.76	mg/Kg	5	09/23/17	AW	SW8082A
PCB-1268	ND	0.76	mg/Kg	5	09/23/17	AW	SW8082A
QA/QC Surrogates							
% DCBP	93		%	5	09/23/17	AW	30 - 150 %
% TCMX	69		%	5	09/23/17	AW	30 - 150 %

Ver 1

Project ID: DOT BROOKVIEW MF MAIN BLDG
Client ID: C2-A

Phoenix I.D.: BZ06773

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Results are reported on an ''as received'' basis, and are not corrected for dry weight.

PCB Comment:
For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services.
This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis Shiller, Laboratory Director
September 28, 2017
Reviewed and Released by: Kathleen Cressia, QA/QC Officer

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

September 28, 2017

QA/QC Data

SDG I.D.: GBZ06769

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 402828 (mg/Kg), QC Sample No: BZ06114 10X (BZ06770, BZ06771)										
Polychlorinated Biphenyls - Bulk										
PCB-1016	ND	0.17	87	101	14.9				40 - 140	30
PCB-1221	ND	0.17							40 - 140	30
PCB-1232	ND	0.17							40 - 140	30
PCB-1242	ND	0.17							40 - 140	30
PCB-1248	ND	0.17							40 - 140	30
PCB-1254	ND	0.17							40 - 140	30
PCB-1260	ND	0.17	95	92	3.2				40 - 140	30
PCB-1262	ND	0.17							40 - 140	30
PCB-1268	ND	0.17							40 - 140	30
% DCBP (Surrogate Rec)	126	%	102	100	2.0				30 - 150	30
% TCMX (Surrogate Rec)	91	%	94	109	14.8				30 - 150	30
Comment:										
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.										
QA/QC Batch 402441 (mg/Kg), QC Sample No: BZ06769 10X (BZ06769, BZ06772, BZ06773)										
Polychlorinated Biphenyls - Bulk										
PCB-1016	ND	0.17	87	90	3.4				40 - 140	30
PCB-1221	ND	0.17							40 - 140	30
PCB-1232	ND	0.17							40 - 140	30
PCB-1242	ND	0.17							40 - 140	30
PCB-1248	ND	0.17							40 - 140	30
PCB-1254	ND	0.17							40 - 140	30
PCB-1260	ND	0.17	84	88	4.7				40 - 140	30
PCB-1262	ND	0.17							40 - 140	30
PCB-1268	ND	0.17							40 - 140	30
% DCBP (Surrogate Rec)	108	%	90	103	13.5				30 - 150	30
% TCMX (Surrogate Rec)	90	%	83	92	10.3				30 - 150	30
Comment:										
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.										

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller

Phyllis Shiller, Laboratory Director
September 28, 2017

Thursday, September 28, 2017

Criteria: None

State: CT

Sample Criteria Exceedances Report

GBZ06769 - TRC-PCB

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BZ06773	SPCB_SOXR	PCB-1254	CT / Requested PCB RL /	1700	780	1000	1000	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Comments

September 28, 2017

SDG I.D.: GBZ08769

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

TRC

21 Griffin Road North
Windsor, Connecticut 06095
Telephone 860-298-9692

22. ONK Edition: September 2... Supersede Previous Edition

CHAIN OF CUSTODY RECORD

PROJECT NO.	PROJECT NAME
22165-5616.716	DOT-BROOKFIELD MF - MW ROG

SAMPLERS: (Signature) (Printed) TOM MARTIN

FIELD SAMPLE NUMBER	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	PCB w/ SIX HUT	PARAMETERS	REMARKS
C2-A	7/6/17	1116		✓	EXT SIDE GEN ROOM VENT	1	✓	8270 0676	EXT BEIGE BRICK VENT CAULK
WG1-A	7/6/17	1200		✓	OFFICE 1/BAY 4	1	✓	0676	INT GRAY BRICK MASON GLAZE
DWG1-A	7/6/17	1309		✓	BAY 1 EXT SIDE DOOR	1	✓	0677	GREY STEEL DOOR WINDOW GLAZE
DWG2-A	7/6/17	1305		✓	BAY 3 EXT SIDE DOOR	1	✓	0677	BLACK SOFT DOOR WINDOW GLAZE
DWG3-A	7/6/17	1302		✓	BAY 4 EXT SIDE B DOOR	1	✓	0677	BLACK PLIABLE DOOR WINDOW GLAZE

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
	7/6/17 1400			9/21/17 1330	
(Printed)		(Printed) ERIC PLIMPTON	(Printed) ERIC PLIMPTON		(Printed) Kelly Grey
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
	9/21/17 1330			EPA 3540C/8082	
(Printed) Kelly Grey	9/21/17 18:33	(Printed) MONICA PELTIER	Condition of Sample Acceptable Y__ N__ Comments	3 DAY TAT	

Distribution: Original Plus One Accompanies Shipment (white and yellow); Copy to Coordinator Field Files (pink).

80 Lopes Drive
Stratford, CT 06615

COMPLETE ENVIRONMENTAL TESTING, INC.

Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cetl@cetlabs.com

Client: Mr. Erik Plimpton
TRC Environmental Consultants
21 Griffin Rd., North
Windsor, CT 06095

Analytical Report

CET# 8110852R

Report Date:December 10, 2018
Project: CT DOT, Brookfield MF
Project Number: 222165.5616.0710

Connecticut Laboratory Certificate: PH 0116
Massachusetts Laboratory Certificate: M-CT903
Rhode Island Laboratory Certificate: 199

New York NELAP Accreditation: 11982
Pennsylvania Laboratory Certificate: 68-02927

SAMPLE SUMMARY

The sample(s) were received at 22.0°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
Office 1&2 Door Frames	8110852-01	Caulk	11/29/2018 11:00	11/30/2018
Ext Bay 10 Around Conduit	8110852-02	Caulk	11/29/2018 11:30	11/30/2018
Exterior Boiler Door	8110852-03	Caulk	11/29/2018 11:45	11/30/2018

Client Sample ID Office 1&2 Door Frames

Lab ID: 8110852-01

PCBs by Soxhlet **Analyst: PJB**

Method: EPA 8082A **Matrix: Caulk**

Analyte	Result (mg/kg (As Rec))	RL (mg/kg (As Rec))	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	0.40	4	EPA 3540C	B8L0317	12/03/2018	12/05/2018 11:13	
PCB-1221	ND	0.40	4	EPA 3540C	B8L0317	12/03/2018	12/05/2018 11:13	
PCB-1232	ND	0.40	4	EPA 3540C	B8L0317	12/03/2018	12/05/2018 11:13	
PCB-1242	ND	0.40	4	EPA 3540C	B8L0317	12/03/2018	12/05/2018 11:13	
PCB-1248	ND	0.40	4	EPA 3540C	B8L0317	12/03/2018	12/05/2018 11:13	
PCB-1254	ND	0.40	4	EPA 3540C	B8L0317	12/03/2018	12/05/2018 11:13	
PCB-1260	ND	0.40	4	EPA 3540C	B8L0317	12/03/2018	12/05/2018 11:13	
PCB-1268	ND	0.40	4	EPA 3540C	B8L0317	12/03/2018	12/05/2018 11:13	
PCB-1262	ND	0.40	4	EPA 3540C	B8L0317	12/03/2018	12/05/2018 11:13	
Surrogate: TCMX [1C]	*76.0 %*	*30 - 150*			B8L0317	12/03/2018	*12/05/2018 11:13*	
Surrogate: TCMX [2C]	*74.7 %*	*30 - 150*			B8L0317	12/03/2018	*12/05/2018 11:13*	
Surrogate: DCB [1C]	*73.1 %*	*30 - 150*			B8L0317	12/03/2018	*12/05/2018 11:13*	
Surrogate: DCB [2C]	*71.2 %*	*30 - 150*			B8L0317	12/03/2018	*12/05/2018 11:13*	

CET # : 8110852
Project: CT DOT, Brookfield MF
Project Number: 222165.5616.0710

Client Sample ID Ext Bay 10 Around Conduit

Lab ID: 8110852-02

PCBs by Soxhlet **Analyst: PJB**

Method: EPA 8082A **Matrix: Caulk**

Analyte	Result (mg/kg (As Rec))	RL (mg/kg (As Rec))	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	0.40	4	EPA 3540C	B8L0317	12/03/2018	12/05/2018 11:32	
PCB-1221	ND	0.40	4	EPA 3540C	B8L0317	12/03/2018	12/05/2018 11:32	
PCB-1232	ND	0.40	4	EPA 3540C	B8L0317	12/03/2018	12/05/2018 11:32	
PCB-1242	ND	0.40	4	EPA 3540C	B8L0317	12/03/2018	12/05/2018 11:32	
PCB-1248	ND	0.40	4	EPA 3540C	B8L0317	12/03/2018	12/05/2018 11:32	
PCB-1254	ND	0.40	4	EPA 3540C	B8L0317	12/03/2018	12/05/2018 11:32	
PCB-1260	ND	0.40	4	EPA 3540C	B8L0317	12/03/2018	12/05/2018 11:32	
PCB-1268	ND	0.40	4	EPA 3540C	B8L0317	12/03/2018	12/05/2018 11:32	
PCB-1262	ND	0.40	4	EPA 3540C	B8L0317	12/03/2018	12/05/2018 11:32	
Surrogate: TCMX [1C]	*70.2 %*	*30 - 150*			B8L0317	12/03/2018	*12/05/2018 11:32*	
Surrogate: TCMX [2C]	*70.9 %*	*30 - 150*			B8L0317	12/03/2018	*12/05/2018 11:32*	
Surrogate: DCB [1C]	*69.4 %*	*30 - 150*			B8L0317	12/03/2018	*12/05/2018 11:32*	
Surrogate: DCB [2C]	*68.0 %*	*30 - 150*			B8L0317	12/03/2018	*12/05/2018 11:32*	

Client Sample ID Exterior Roller Door

Lab ID: 8110852-03

PCBs by Soxhlet **Analyst: PJB**

Method: EPA 8082A **Matrix: Caulk**

Analyte	Result (mg/kg (As Rec))	RL (mg/kg (As Rec))	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	0.40	4	EPA 3540C	B8L0317	12/03/2018	12/05/2018 11:50	
PCB-1221	ND	0.40	4	EPA 3540C	B8L0317	12/03/2018	12/05/2018 11:50	
PCB-1232	ND	0.40	4	EPA 3540C	B8L0317	12/03/2018	12/05/2018 11:50	
PCB-1242	ND	0.40	4	EPA 3540C	B8L0317	12/03/2018	12/05/2018 11:50	
PCB-1248	ND	0.40	4	EPA 3540C	B8L0317	12/03/2018	12/05/2018 11:50	
PCB-1254	ND	0.40	4	EPA 3540C	B8L0317	12/03/2018	12/05/2018 11:50	
PCB-1260	ND	0.40	4	EPA 3540C	B8L0317	12/03/2018	12/05/2018 11:50	
PCB-1268	ND	0.40	4	EPA 3540C	B8L0317	12/03/2018	12/05/2018 11:50	
PCB-1262	ND	0.40	4	EPA 3540C	B8L0317	12/03/2018	12/05/2018 11:50	
Surrogate: TCMX [1C]	*76.4 %*	*30 - 150*			B8L0317	12/03/2018	*12/05/2018 11:50*	
Surrogate: TCMX [2C]	*77.5 %*	*30 - 150*			B8L0317	12/03/2018	*12/05/2018 11:50*	
Surrogate: DCB [1C]	*77.0 %*	*30 - 150*			B8L0317	12/03/2018	*12/05/2018 11:50*	
Surrogate: DCB [2C]	*76.7 %*	*30 - 150*			B8L0317	12/03/2018	*12/05/2018 11:50*	

QUALITY CONTROL SECTION

Batch B8L0317 - EPA 8082A

Analyte	Result (mg/kg (As Rec))	RL (mg/kg (As Rec))	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B8L0317-BLK1)					Prepared: 12/3/2018 Analyzed: 12/5/2018				
PCB-1016	ND	0.10							
PCB-1221	ND	0.10							
PCB-1232	ND	0.10							
PCB-1242	ND	0.10							
PCB-1248	ND	0.10							
PCB-1254	ND	0.10							
PCB-1260	ND	0.10							
PCB-1268	ND	0.10							
PCB-1262	ND	0.10							
Surrogate: TCMX [1C]					*67.3*	*30 - 150*			
Surrogate: TCMX [2C]					*66.9*	*30 - 150*			
Surrogate: DCB [1C]					*76.4*	*30 - 150*			
Surrogate: DCB [2C]					*70.9*	*30 - 150*			
LCS (B8L0317-BS1)					Prepared: 12/3/2018 Analyzed: 12/5/2018				
PCB-1016	0.699	0.10	1.000		69.9	40 - 140			
PCB-1260	0.744	0.10	1.000		74.4	40 - 140			
Surrogate: TCMX [1C]					*68.3*	*30 - 150*			
Surrogate: TCMX [2C]					*67.4*	*30 - 150*			
Surrogate: DCB [1C]					*69.8*	*30 - 150*			
Surrogate: DCB [2C]					*66.1*	*30 - 150*			

CASE NARRATIVE

Revision: Original report dated 12/6/2018; added RCP Package per chain of custody.

CET # : 8110852
Project: CT DOT, Brookfield MF
Project Number: 222165.5616.0710

All questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

David Ditta
Laboratory Director

This technical report was reviewed by Timothy Fusco

Project Manager

Report Comments:

Sample Result Flags:
E- The result is estimated, above the calibration range.
H- The surrogate recovery is above the control limits.
L- The surrogate recovery is below the control limits.
B- The compound was detected in the laboratory blank.
P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
D- The RPD between the sample and the sample duplicate is high. Sample Homogeneity may be a problem.
+- The Surrogate was diluted out.
*C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
*C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
*F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
*F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
I- The Analyte exceeds %RSD limits for the Initial Calibration. This is a non-directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

For Percent Solids, if any of the following prep methods (3050B, 3540C, 3545A, 3550C, 5035 and 9013A) were used for samples pertaining to this report, the percent solids procedure is within that prep method.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at or above the specified reporting limit
RL is the Reporting Limit
All analyses were performed in house unless a Reference Laboratory is listed.
Samples will be disposed of 30 days after the report date.

CET # : 8110852
Project: CT DOT, Brookfield MF
Project Number: 222165.5616.0710

80 Lupes Drive
Stratford, CT 06615

COMPLETE ENVIRONMENTAL TESTING, INC.

Tel: (203) 377-9984
Fax: (203) 377-9952
email: cet1@cetlabs.com

Quality Control Definitions and Abbreviations

Internal Standard (IS)	An Analyte added to each sample or sample extract. An internal standard is used to monitor retention time, calculate relative response, and quantify analytes of interest.
Surrogate Recovery	The % recovery for non-target organic compounds that are spiked into all samples. Used to determine method performance.
Continuing Calibration	An analytical standard analyzed with each set of samples to verify initial calibration of the system.
Batch	Samples that are analyzed together with the same method, sequence and lot of reagents within the same time period.
ND	Not detected at or above the specified reporting limit.
RL	Reporting Limit
Dilution	Multiplier added to detection levels (MDL) and/or sample results due to interferences and/or high concentration of target compounds.
Duplicate	Result from the duplicate analysis of a sample.
Result	Amount of analyte found in a sample.
Spike Level	Amount of analyte added to a sample
Matrix Spike Result	Amount of analyte found including amount that was spiked.
Matrix Spike Dup	Amount of analyte found in duplicate spikes including amount that was spike.
Matrix Spike % Recovery	% Recovery of spiked amount in sample.
Matrix Spike Dup % Recovery	% Recovery of spiked duplicate amount in sample.
RPD	Relative percent difference between Matrix Spike and Matrix Spike Duplicate.
Blank	Method Blank that has been taken through all steps of the analysis.
LCS % Recovery	Laboratory Control Sample percent recovery. The amount of analyte recovered from a fortified sample.
Recovery Limits	A range within which specified measurements results must fall to be compliant.
CC	Calibration Verification

Flags:

- H- Recovery is above the control limits
- L- Recovery is below the control limits
- B- Compound detected in the Blank
- P- RPD of dual column results exceeds 40%
- #- Sample result too high for accurate spike recovery.

Connecticut Laboratory Certification PH0116
Massachussets Laboratory Certification M-CT903

New York NELAP Accreditation 11982
Rhode Island Certification 199

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Complete Environmental Testing, Inc. ***Client:*** TRC Environmental Consultants

Project Location: CT DOT, Brookfield MP ***Project Number:*** 222165.5616.0710

Laboratory Sample ID(s): ***Sample Date(s):***

8110852-01 thru 8110852-03 11/29/2018

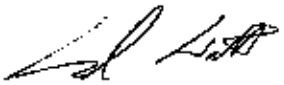
List RCP Methods Used: ***CET #:*** 8110852

EPA 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (< 6 degrees C)?	☐ Yes ☑ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CT DEP Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5a	a) Were reporting limits specified or referenced on the chain-of-custody?	☐ Yes ☑ No
5b	b) Were these reporting limits met?	☐ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No
7	Are project specific matrix spikes and laboratory duplicates included with this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."
This form may not be altered and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature:  **Position:** Laboratory Director

Printed Name: David Ditta **Date:** 12/10/2018

Name of Laboratory: Complete Environmental Testing, Inc.

This certification form is to be used for RCP methods only.

RCP Case Narrative

3- The samples were received at 22 degrees C.

7- Project specific QC was not requested by the client.

QC Batch/Sequence Report

Batch	Sequence	CET ID	Sample ID	Specific Method	Matrix	Collection Date
B8L0317	S8L0511	8110852-01	Office 1&2 Door Frames	EPA 8082A	Caulk	11/29/2018
B8L0317	S8L0511	8110852-02	Ext Bay 10 Around Conduit	EPA 8082A	Caulk	11/29/2018
B8L0317	S8L0511	8110852-03	Exterior Boiler Door	EPA 8082A	Caulk	11/29/2018

DAS RATES APPLY

8110852

TRC

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

Edition: September 2007
Supersede Previous Edition

CHAIN OF CUSTODY

LAB ID #.

PROJECT NUMBER	PROJECT NAME	PARAMETERS	CONTAINERS	TURNAROUND TIME
222165.5216.0710	CONN DOT BROOKFIELD MF			X Standard TAT 7-10 Days; Rush TAT; Date Needed:

SIGNATURE	INSPECTOR
	CARMEN JACKO

Lab ID:	SAMPLE ID:	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix X1= X2=	Preservative	NOTES
	1	11/29/18	1100		X	OFFICE 1+2 DOOR FRAME	✓	1				WHITE PLYABLE DOOR FRAME CAULK
	2	1	1130		X	EXT. BAY 10 AROUND CONDUIT	✓	1				WHITE/CLEAR SOFT CAULK
	3	1	1145		X	EXTERIOR BOILER DOOR	✓	1				WHITE/CLEAR SOFT CAULK

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	11/29/18	11/30/18 0915		11/30/18	
(Printed) CARMEN JACKO	Time:	(Printed) GREG GILDAY 22° C	(Printed) GREG GILDAY	Time: 13:50	(Printed)

Remarks: SEND TO EPLIMPTON@TRCSOLUTIONS.COM
Report to:
Include CT DPH RCP Report

Condition upon Receipt:

APPENDIX K

ITEMIZED COST ESTIMATE FOR ASBESTOS ABATEMENT

TRC
Asbestos Abatement Cost Estimate
CTDAS Contract # 16PSX0110
(Effective: May 1, 2017 – April 30, 2022)

Site: Brookfield Maintenance Facility - Main Building, Brookfield, CT
TRC Project #: 222165.5616.0710 | **DOT Project #: 34-350**

ITEM DESCRIPTION	QTY	UNIT	COST	MULT	TOTAL
ASBESTOS REMOVAL					
HEPA VACUUMING		SF	$ 0.24	1 $	-
PIPING REMOVAL <6" INCL FITTINGS		LF	$ 1.50	1 $	-
PIPING REMOVAL 6"-12" INCL FITTINGS		LF	$ 2.25	1 $	-
PIPING REMOVAL >12" INCL FITTINGS		LF	$ 3.15	1 $	-
GLOVE BAG FIRST 25		EA	$ 22.50	1 $	-
GLOVEBAG 25-50		EA	$ 19.50	1 $	-
GLOVEBAG OVER 50		EA	$ 17.00	1 $	-
REMOVE EQUIPMENT INSULATION		SF	$ 3.25	1 $	-
REMOVE HVAC DUCT INSULATION		SF	$ 3.25	1 $	-
REMOVE HVAC DUCT FLEX CONN		SF	$ 2.50	1 $	-
FLOOR TILE AND MASTIC		SF	$ 1.00	1 $	-
FLOOR TILE (NO MASTIC)		SF	$ 0.60	1 $	-
SPRAY ON FIREPROOFING		SF	$ 2.25	1 $	-
PLASTER LATHE AND BLACK IRON		SF	$ 2.25	1 $	-
ACCOUSTIC OR METAL PAN CEILING INCL GRID		SF	$ 1.50	1 $	-
ACCOUSTIC PANELS CLEAN GRID FOR REUSE		SF	$ 1.25	1 $	-
ACCOUSTIC PLASTER FINISH MTL (SCRAPE)		SF	$ 2.00	1 $	-
PATCH/SEAL DAMAGED INSULATION		SF	$ 1.00	1 $	-
CONTAMINATED SOIL (2" DEPTH)		SF	$ 1.30	1 $	-
TRANSITE MATERIAL		SF	$ 0.80	1 $	-
ROOFING OR FLASHING	4	SF	$ 1.20	1 $	4.80
UNDERGROUND PIPE OR INSULATION (HAND EXCAVATION)		LF	$ 9.50	1 $	-
CARPET OVER TILE		SF	$ 0.72	1 $	-
WALL BASE AND MASTIC		LF	$ 0.72	1 $	-
REMOVAL OF DRYWALL PARTITIONS INCL FRAMING		SF	$ 0.90	1 $	-
REMOVAL OF CMU WALL		SF	$ 1.65	1 $	-
PREP WORK AREA	500	SF	$ 0.97	1 $	485.00
SOLID BARRIER OR ACCESS TUNNELS 2X4 AND PLYWOOD		SF/SA	$ 1.00	1 $	-
STANDBY ABATEMENT PERSONNEL	8	HR	$ 77.00	1 $	616.00
SELECTIVE DEMOLITION TO ACCESS ACM		SF	$ 1.00	1 $	-
REMOVAL OF FLOOR LEVELING MATERIAL		SF	$ 0.75	1 $	-
MISCELLANEOUS ITEMS					
MOBILIZATION (1 PER WORK AREA)	1	EA	$ 250.00	1 $	250.00
WORKER DECON (1 PER WORK AREA)	1	EA	$ 250.00	1 $	250.00
TEMP ELECTRICAL CONNECTION (LICENSED ELECTRICIAN)		EA	$ 250.00	1.1 $	-
TEMP GENERATOR		DY	$ 20.00	1.1 $	-
ACM DISPOSAL (INCLUDES TRANSPORTATION)	2	CY	$ 55.00	1.1 $	121.00
HAZARDOUS WASTE DISPOSAL (INCLUDES TRANS)		CY	$ 250.00	1.1 $	-
CONSTRUCTION DEBRIS DISPOSAL (INCLUDES TRANS)		CY	$ 25.00	1.1 $	-
FIXED SCAFFOLDING		SF	$ 10.00	1.1 $	-
EXCAVATION TO EXPOSE UNDERGROUND PIPE		CY	$ 15.00	1.1 $	-
PROJECT NOTIFICATION (1% OF ABATEMENT COST)	1	EA	$ 69.87	1.1 $	76.85
PROJECT BOND (3% OF TOTAL CONTRACT)		EA		1.1 $	-
ESCALATION FACTORS					
WORK SURFACES 10-20 FEET HIGH				15% $	-
WORK SURFACES OVER 20 FEET HIGH				30% $	-
NON REGULAR WORK HOURS 6:00PM-6:00AM AND WEEKEND				30% $	-
EMERGENCY RESPONSE (<24 hr)				30% $	-
CONFINED SPACE WORK				15% $	-
REMOVAL OF MULTIPLE LAYERS OF TILE (EACH ADDIT LAYER)				50% $	-
REMOVE ON LIVE STEAM EQUIPMENT				25% $	-
EXTERIOR WORK			$ 200.00	30% $	60.00
NEGOTIATED ITEMS					
Exterior vent caulk	1	EA	$ 200.00	1 $	200.00
		SF		1 $	-
				1 $	-
				1 $	-
				1 $	-
CONTINGENCY (10%)				10%	**$ 206.37**
TOTAL					**$ 2,270.02**

APPENDIX L

HAZARDOUS/REGULATED MATERIALS, WASTES AND ITEMS REMOVAL COST ESTIMATE

TRC

Hazardous/Regulated Materials, Wastes & Items Removal Cost Estimate

(excluding asbestos abatement)

CTDAS Contract # 14PSX0314

(Effective: March 3, 2015 – February 28, 2020)

Item	Item #	Quantity	Units	Rate	Total
Operations Supervisor	1	4	hrs	$50.00	$200.00
Equipment Operator	4	0	hrs	$46.00	$0.00
Equipment Operator OT	4	0	hrs	$69.00	$0.00
Laborer	8	32	hrs	$46.00	$1,472.00
Laborer OT	8	0	hrs	$69.00	$0.00
Driver (Mobilization/Disposal/Vac)	5	8	hrs	$46.00	$368.00
Driver (Mobilization/Disposal/Vac) OT	5	0	hrs	$69.00	$0.00
Vacuum Truck (oil)	12	0	hrs	$56.10	$0.00
Box truck	18	24	hrs	$16.00	$384.00
Utility Trucks (< 18000 GVW)	17	0	hrs	$16.00	$0.00
Loader/Backhoe (12' dig depth)	33	0	hrs	$43.00	$0.00
Loader/Backhoe (15' dig depth)	34	0	hrs	$45.00	$0.00
Lowbed Trailer/Tractor	27	0	hrs	$50.00	$0.00
Triaxle Dump Truck	23	0	hrs	$45.00	$0.00
Roll-off Truck	30	0	hrs	$46.00	$0.00
Roll-off Container (30 CY)	31	0	hrs	$5.00	$0.00
Roll-off Liners (haz waste/CRW soil)	130	0	ea	$65.00	$0.00
* Highlift		0	hrs	$35.00	$0.00
Water Wagon	29	0	hrs	$20.00	$0.00
*Hoses (dust suppression)		0	hrs	$15.00	$0.00
Frac Tank (20,000 gal)	89	0	hrs	$7.50	$0.00
5,000 psi Hi-Pressure Cleaner	82	0	hrs	$20.00	$0.00
Silt Fence	131	0	LF	$1.00	$0.00
Level C PPE (Pb)	90	8	person-hrs	$22.00	$176.00
Poly (10-mil sheeting 20'x100')	124	1	ea	$95.00	$95.00
Speedi-Dry (50 lb bag)	132	0	bag	$10.00	$0.00
17C DOT 55 gal Drums (haz items)	119	5	ea	$40.00	$200.00
Generator (5 kw)	80	0	hrs	$20.00	$0.00
* Dispose of haz-waste/regulated items		20	ea	$100.00	$2,000.00
* Dispose of AST/UST/sump contents (oil)		0	gal	$1.00	$0.00
* Dispose of trench/drain sludge (CRW)		0	CY	$50.00	$0.00
* Dispose of sediment/concrete (CRW)		0	CY	$50.00	$0.00
* Dispose of contaminated soil (CRW)		0	CY	$50.00	$0.00
* Dispose of PCB (CRW)		1	CY	$125.00	$125.00
* Dispose of contaminated wood (haz)		0	CY	$125.00	$0.00
* Dispose of boiler/fly ash (haz)		0	CY	$125.00	$0.00
* CFC Reclaim (subcontractor)		1	day	$1,000.00	$1,000.00
Contingency (10%)					$602.00
				TOTAL ESTIMATE	**$6,622.00**

* Line items not included in Contract 14PSX0314, rate estimated by TRC

Cost estimate based on assumption of 2 days for hazardous/regulated item removal excluding USTs, fuel island, oil/water separator, hydraulic lifts, floor trench/drains and any potential PCB impacted substrates.

APPENDIX M

PRIOR HAZMAT INSPECTION DATA

I. PROJECT NARRATIVE

Overview

On March 9, 2001, a state-licensed inspector from EnviroMed Services, Inc. (EnviroMed) performed a limited inspection at the Department of Transportation - Maintenance Garage located in Brookfield, Connecticut. The purpose of this limited inspection was to identify the presence of asbestos in suspect building materials in the selected areas as identified by the client, so that any asbestos-containing material could be removed prior to renovation.

Samples were collected according to 40 CFR Part 763.86 and 29 CFR Part 1926.1101, and analyzed using Polarized Light Microscopy (PLM).

A total of sixty-two (62) bulk samples were collected. The bulk materials sampled include: breeching cement, mudded pipe joint insulation, 12"x12" tan vinyl floor tile, mastic under 12"x12" tan vinyl floor tile, 4" brown cove molding, glue behind 4" brown cove molding, 2'x 4' suspended ceiling tile (with worm and hole pattern), window glazing (type I), window glazing (type II), window glazing (type III), window glazing (type IV), door frame caulking, patching cement, flashing cement, brown caulking, all layers of built-up roofing material, wallboard/sheetrock, and wallboard joint compound.

Refer to Section II, Bulk Sample Location Diagrams, for bulk sample locations and identification.

Summary of Results

EnviroMed Services, Inc. accredited asbestos laboratory (NVLAP #1514) analyzed the bulk samples. Section III presents the complete list of analytical results for samples collected. The following presents the locations and estimated quantities of materials found to contain asbestos greater than 1.0 percent.

Ground Floor

<u>Boiler Room</u>

There is approximately 1 square feet of breeching cement located at the interface between the boiler breeching and the chimney. This material was found to contain 5-50 percent asbestos.

Generator Room

There is approximately 1 square feet of mudded pipe joint insulation located in this area. This material was found to contain 50 percent asbestos.

Office #1

There is approximately 325 square feet of 12"x12" tan vinyl floor tile and associated mastic located in this area. The 12"x12" tan vinyl floor tile was found to contain 4-5 percent asbestos. The mastic under 12"x12" tan vinyl floor tile was found to contain no asbestos.

Roof

Roofs #1, 2 and 3

There is approximately 85 square feet of patching cement located in these areas. This material was found to contain 10-12 percent asbestos.

There is approximately 650 square feet of flashing cement along the parapet walls, along roof edges and around the two chimneys and mechanical units located on these three roofs. This material was found to contain 30-45 percent asbestos.

Non-Asbestos Containing Materials Found During the Inspection

The following materials were found to contain legally insignificant amounts (0--1 percent) of asbestos: 4" brown cove molding, glue behind 4" brown cove molding, 2'x 4' suspended ceiling tile (with worm and hole pattern), window glazing (type I), window glazing (type II), window glazing (type III), window glazing (type IV), door frame caulking, brown caulking, all layers of built-up roofing material, wallboard/sheetrock, and wallboard joint compound.

See Section IV for a copy of the laboratory analysis sheets for the samples collected.

III. SAMPLE LOG AND RESULTS TABLE

Sample Number	Location	Material Sampled	Percent Asbestos
1	ground floor boiler room/chimney	breeching cement	5
2	ground floor boiler room/chimney	breeching cement	50
3	ground floor boiler room/chimney	breeching cement	5
4	ground floor generator room	mudded pipe joint insulation	50
5	ground floor generator room	mudded pipe joint insulation	50
6	ground floor generator room	mudded pipe joint insulation	50
7	ground floor office #1	12"x12" tan vinyl floor tile	4
8	ground floor office #2	12"x12" tan vinyl floor tile	5
9	ground floor office #1	mastic under 12"x12" tan vinyl floor tile	NAD
10	ground floor office #2	mastic under 12"x12" tan vinyl floor tile	<1
11	ground floor office #1	4" brown cove molding	NAD
12	ground floor office #2	4" brown cove molding	NAD
13	ground floor office #1	glue behind 4" brown cove molding	NAD
14	ground floor office #2	glue behind 4" brown cove molding	NAD
15	ground floor office #1	2'x4' suspended ceiling tile (with worms & holes)	NAD
16	ground floor office #2	2'x4' suspended ceiling tile (with worms & holes)	NAD
17	ground floor bays #12 &13 window	window glazing (type I)	NAD
18	ground floor bay #9 window	window glazing (type I)	NAD
19	ground floor bay #1 window	window glazing (type I)	NAD
20	ground floor bays #12 &13 window	window glazing (type II)	NAD
21	ground floor bay #9 window	window glazing (type II)	NAD
22	ground floor bay #3 window	window glazing (type II)	NAD
23	ground floor office #1 window	window glazing (type III)	NAD
24	ground floor office #1 window	window glazing (type III)	NAD

NAD = No Asbestos Detected

Sample Number	Location	Material Sampled	Percent Asbestos
25	ground floor office #1 window	window glazing (type III)	NAD
26	ground floor women's room window	window glazing (type IV)	NAD
27	ground floor men's room window	window glazing (type IV)	NAD
28	ground floor office #1 window	window glazing (type IV)	NAD
29	void	void	void
30	void	void	void
31	ground floor office #1	door frame caulking	NAD
32	ground floor hall	door frame caulking	NAD
33	roof #2	patching cement	10
34	roof #1	patching cement	12
35	roof #2 wall	flashing cement	45
36	roof #3 wall	flashing cement	40
37	roof #2 edge	flashing cement	45
38	roof #1 edge	flashing cement	30
39	roof #2 counter flashing	brown caulking	NAD
40	roof #1 parapet cap	brown caulking	NAD
41	roof #2	built-up roofing material top layer	NAD
42	roof #2	built-up roofing material second layer	NAD
43	roof #2	built-up roofing material third layer	NAD
44	roof #2	built-up roofing material fourth layer	NAD
45	roof #2	built-up roofing material fifth layer	NAD
46	roof #2	built-up roofing material sixth layer	NAD
47	roof #2	built-up roofing material seventh layer	NAD
48	roof #2	built-up roofing material bottom layer	NAD

NAD = No Asbestos Detected

Sample Number	Location	Material Sampled	Percent Asbestos
49	roof #1	built-up roofing material top layer	NAD
50	roof #1	built-up roofing material second layer	NAD
51	roof #1	built-up roofing material third layer	NAD
52	roof #1	built-up roofing material fourth layer	NAD
53	roof #1	built-up roofing material fifth layer	NAD
54	roof #1	built-up roofing material sixth layer	NAD
55	roof #1	built-up roofing material seventh layer	NAD
56	roof #1	built-up roofing material eighth layer	NAD
57	roof #1	built-up roofing material bottom layer	NAD
58	ground floor locker room	wallboard/sheetrock	NAD
59	ground floor locker room	wallboard/sheetrock	NAD
60	ground floor locker room	wallboard joint compound	NAD
61	ground floor locker room	wallboard joint compound	NAD
62	ground floor locker room	wallboard joint compound	NAD

NAD = No Asbestos Detected

III. SUMMARY OF TOXIC LEVEL (≥ 1.0 mg/cm^2) XRF SAMPLE RESULTS

Summary of Toxic Level (≥1.0 mg/cm^2) Results

Sample Number	*Sample Location (mg/cm^2)*	*Component (s) Tested*	*Results*
7	Office #1	column	1.2
28	Hall	bulletin board	4.4
37	Men's Room	lower column	1.2
50	Library	door casing	1.9
60	Locker Room	column	1.9
65	Mechanical Room	column	1.5
84	Exterior	garage door lintel	1.5
85	Exterior	garage door lintel	3.0
95	Bay #1	door jamb	1.1
101	Bay #1	garage door casing	1.2
107	Bay #2	window mullion	1.3
114	Bay #3	overhead crane beams	16
115	Bay #3	overhead crane beams	15
120	Bay #3	window mullion	1.5
132	Bays 4-9	metal rack	1.3
139	Bays 4-9	window mullion	1.4
140	Bays 4-9	truck lift diamond plate	1.9
148	Tool Room	wall tool hanger	2.4
164	Bay #10	garage door casing	1.8
165	Bay #10	window mullion	1.7
168	Bay #11	vertical I-Beam	1.2
174	Bay 12-13	wall	5.6
175	Bay 12-13	window mullion	2.1
176	Bay 12-13	metal column	2.6
177	Bay 12-13	upper wall	2.4
178	Bay 12-13	garage door casing	2.4

LEAD INSPECTION DATA PAGE

PROJECT NAME: Brookfield Repair Garage NO. DOORS: _____

UNIT NUMBER: Bldg # 81-160 NO. WINDOWS 1

SAMPLE NUMBER	RESULTS (Mg/cm2)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
1	—	NITON	Self Test	—	-
2	1.0	↓	Standard	—	Red
3	1.6	↓	↓	—	Orange
4	0.28	↓	↓	—	Green
5	0.01	Floor	Conc	2	Gray
6	0.06	Wall	CMU	1	Yellow
7	1.2	Column	Met	1	↓ +
8	0.9	Win	↓	1	↓
9	0.8	Little	↓	1	↓
10	0.8	DR	↓	1	Brown
11	0.7	DF	↓	1	↓
12	0.03	DR	Wood	1	Stain
13	0	DC	↓	1	Brown
14	0	Shelf	↓	1	Yellow
15	0.1	Floor	Conc	2	Gray
16	0.3	Wall	CMU	1	Yellow
17	0.6	Column	Met	1	↓
18	0.9	Win	↓	1	↓
19	0.6	DR	↓	1	Brown
20	0.5	DF	↓	1	↓

1 Office

1 Office #2

LEAD INSPECTION DATA PAGE

PROJECT NAME: Brookfield Repair Garage — NO. DOORS: _____

UNIT NUMBER: Bldg # 81-160 — NO. WINDOWS: 1

SAMPLE NUMBER	RESULTS (Mg/cm2)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
41	0.48	DC	Met	1	Brown
42	0.38	Sink	↓	1	Tan
43	0.42	Pipe	↓	1	↓
44	0.01	Cabinet	Wood	1	Gray
45	0	Floor	Conc	2	↓
46	0.01	U-WL	CMU	1	Yellow
47	0.25	L-WL	↓	1	Tan
48	0	DC	Wood	1	Brown
49	0	DR	↓	1	↓
50	1.9	DC	↓	1	↓ +
51	0.07	Angle Iron	Met	1	Gray
52	0.03	Shelf	↓	1	Green
53	0.01	U WL	Wood	1	Yellow
54	0.32	L WL	↓	1	Tan
55	0	Floor	Conc	2	Gray
56	0	WL	Wood	1	White
57	0	WL	CMU	1	↓
58	0	Ceiling	WB	1	↓
59	0.02	DR	Wood	1	Brown
60	1.9	Column	Met	1	White +

LEAD INSPECTION DATA PAGE

PROJECT NAME: Brookfield Repair Garage — NO. DOORS: _____

UNIT NUMBER: Bldg # 81-160 — NO. WINDOWS: 1

SAMPLE NUMBER	RESULTS (Mg/cm2)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
61	2.21	DC	Metal	1	Brown
62	1.40	DR	Metal	1	Brown
63	0.60	Wall	Concr.	1	White
64	1.00	CL	Concr.	1	White
65	1.5	Column	Concrete	1	White Pos
66	1.03	Water Tank	Metal	1	Blue
67	2.00	Control Rod	Wood	1	Brown
68	1.1	Electrical Box	Metal	1	Grey
69	1.00	Bottle Rack	Concr.	1	Brown
70	0.00	Floor	Concr.	1	Brown
71	0.03	Hot Tank	Metal	1	Brown
72	0.12	Ceiling Beam	Metal	1	White
73	2.05	DR	Metal		Brown
74	2.05	DC	Metal	1	Brown
75	0.26	Door	Metal	1	Green
76	0.5	Beam	Metal	1	Steel
77	0.34	Ceiling Beam	Metal	1	Brown
78	0.02	Ceiling Beam	Metal	1	Brown Tank
79	2.01	DR	Metal	1	Brn
80	2.00	DC	Metal	1	Brn

LEAD INSPECTION DATA PAGE

PROJECT NAME: Brookfield Repair Garage

NO. DOORS:

UNIT NUMBER: Bldg # 81-160

NO. WINDOWS: 1

SAMPLE NUMBER	RESULTS (Mg/cm2)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
81	0.8	Lintel	Metal	1	[illegible]
82	0.41	Mullion	Metal	1	[illegible]
83	0.03	[illegible]	Metal	1	Brown
84	1.5	[illegible] Door	Metal	1	Brown +
85	3.0	[illegible] Door	Wood	1	Brown +
86	2.7	DR	Metal	1	Brown
87	0.5	DC	Metal	1	Brown
88	0.22	Conduit	Metal	1	Tan
89	[illegible]	[illegible]	Metal	1	White
90	0.1	UWL	Concrete	1	White
91	0.24	I-Beam	Metal	1	White
92	0.02	CL	Concrete	1	White
93	0.13	Bath Stall	Bath Stall	1	Tan
94	0.11	Bath Stall Door	Metal	1	Tan
95	1.1	DJ	Wood	1	Brown +
96	[illegible]	DC	Wood	1	Brown
97	0.9	DR	Wood	1	Brown
98	0.02	LWL	Concrete	1	Gray
99	0.03	UWL	Concrete	1	White
100	0.74	[illegible] Toilet Stall	Metal	1	[illegible]

LEAD INSPECTION DATA PAGE

PROJECT NAME: Brookfield Repair Garage

NO. DOORS:

UNIT NUMBER: Bldg# 81-160

NO. WINDOWS

SAMPLE NUMBER	RESULTS (Mg/cm2)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
101	1.2	Garage Door [illegible]	Wood	1	[illegible] (Pos)
102	0.04	[illegible] DR	Metal	1	white
103	0.01	[illegible] Floor	Concrete	1	white
104	0.9	Lintel Between [illegible]	Metal	1	white
105	0.01	[illegible]	Conc	1	Blue [illegible]
106	[illegible]	[illegible]	Conc	1	white
107	1.7	Window [illegible]	Metal	1	[illegible] (Pos)
108	0.7	[illegible]	Metal	1	[illegible]
109	2.7	Garage Door [illegible]	Wood	1	[illegible]
110	0.42	Garage Door [illegible]	Wood	1	[illegible]
111	0.0	[illegible]	Cement	1	[illegible]
112	.005	UWL	Cement	1	[illegible]
113	0.8	Lintel	Metal	1	White
114	1.6	[illegible] Beams	Metal	1	White (Pos)
115	1.5	" "	Metal	1	Blue (Pos)
116	2.04	[illegible]	Metal	1	[illegible]
117	0.07	DR	Metal	1	Brown
118	0.4	Dr	Metal	1	Brown
119	0.00	WL	Cement	1	[illegible]
120	1.5	Window [illegible]	Metal	1	[illegible] (Pos)

LEAD INSPECTION DATA PAGE

PROJECT NAME: Brookfield Repair Garage NO. DOORS: _____

UNIT NUMBER: Bldg # 81-160 NO. WINDOWS: 1

SAMPLE NUMBER	RESULTS (Mg/cm2)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
121	0.26	L WL	Concrete	1	Gray
122	0.1	L WL	Concrete	1	Blue
123	0.0	L WL	Concrete	1	Yellow
124	0.05	Tool Box	Wood	1	Green
125	0.2	Column Base	Metal	1	Yellow/Silver
126	.30	I Beam/column	Metal	1	White
127	.03	Stair Tread/Wall	Wood	1	Yellow/Silver
128	.04	Stair Tread	Wood	1	Gray
129	0.0	Table	Wood	1	
130	0.0	Floor	Concrete	2	Green
131	0.0	Wall Skirting	Concrete	2	Yellow/White
132	1.3	Metal Rails	Metal	2	Red (Pb) +
133	0.0	Fire Extinguisher	Metal	1	Blue
134	0.7	Fire Installation	Metal	1	Red
135	0.23	Garage Door Frame	Wood	1	Green
136	0.07	Big Work Bench	Wood	1	Green
137	0.06	Steel Panel Door	Metal	1	Green
138	0.24	Steel Column	Metal	1	Green
139	1.4	Wall Support	Metal	1	Yellow (Pb) +
140	1.9	Trolley Track Rail	Metal	1	Yellow (Pb) +

LEAD INSPECTION DATA PAGE

PROJECT NAME: Brookfield Renner Group

NO. DOORS: N/A

UNIT NUMBER: Bldg # 81- 110

NO. WINDOWS: N/A

SAMPLE NUMBER	RESULTS (Mg/cm2)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
141	0.04	Trim [illegible]	Metal	1	Yellow
142	2.7	Truck lift Vlk	Metal	1	Red
143	0.28	[illegible] Tank	Metal	1	Green
[illegible]	2.[illegible]	[illegible] Elec Panel	Metal	1	Green
145	0.2	DR	Wood	1	Gray
146	0.04	DC	Wood	1	Gray
147	0.06	Shelf	Wood	1	Blue
148	2.4	Wall Tool [illegible]	Wood	1	Blue
149	0.00	DC DR	Wood	1	White
150	0.02	DC	Wood	1	Brown
[illegible]	0.02	WL	Wood	1	White
152	0.12	[illegible]	Metal	1	Yellow
153	0.8	DR	Metal	1	Brown
154	0.1	DC	Metal	1	Brown
155	0.04	LWL	Conc	1	B Tan
156	0.01	UWL	Conc	1	White
157	0.03	Rack	Metal	1	Red
158	0.03	Tool Cab	Wood	1	Red
159	0.00	[illegible]	Wood	1	White
160	0.02	Tools [illegible]	Wood	1	Brown

LEAD INSPECTION DATA PAGE

PROJECT NAME: Brookfield [illegible]

UNIT NUMBER: Bldg # 81 - 180

NO. DOORS: N/A

NO. WINDOWS: N/A

SAMPLE NUMBER	RESULTS (Mg/cm2)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT	
[illegible]	0.1	Rail	Metal	1	Green	
[illegible]	2.1	Porch Shelf [illegible]	[illegible]	1	Light Green	
[illegible]	0.07	Porch Shelf	Metal	1	Dark Green	
164	1.8	[illegible]	Wood	1	Tan (Pos)	+
165	1.7	Window [illegible]	Metal	1	Green (Pos)	+
166	0.02	Sliding Door	Metal	1	Red	
[illegible]	0.03	Sliding Door	Metal	1	Red	
[illegible]	1.2	[illegible] I-Beam	Metal	1	Green Pos	+
[illegible]	[illegible]	[illegible]	Wood	1	Green	
170	0.8	Shelf	Wood	1	Orange	
171	0.22	I-Beam [illegible]	Metal	1	Silver	
172	0.01	DR	Wood	1	Brown	
173	0.2	DC	Wood	1	Brown	
174	3.6	WL	Conc	1	Blue	+
175	2.1	Window [illegible]	Metal	2	Green Pos	+
176	2.6	Metal [illegible]	Metal	1	Blue	+
177	2.4	UWC	Conc	1	White	+
178	2.4	[illegible]	Wood	1	Blue	+
179	0.8	[illegible]	Metal	1	Green	
180	0.02	[illegible]	Metal	1	Green	

LEAD INSPECTION DATA PAGE

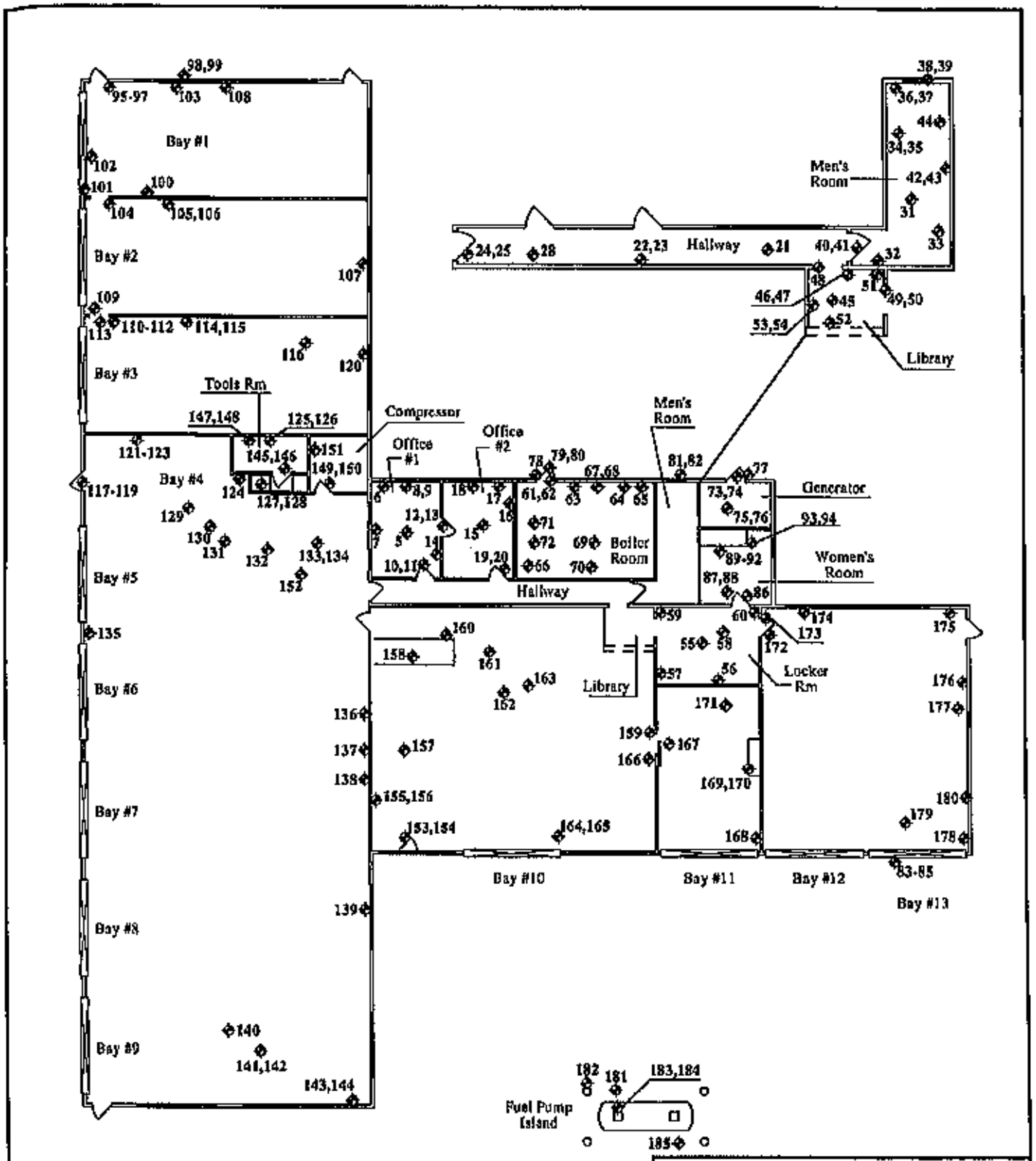
PROJECT NAME: [illegible]

NO. DOORS: N.A.

UNIT NUMBER: Bldg # 81-160

NO. WINDOWS: N.A.

SAMPLE NUMBER	RESULTS (Mg/cm2)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
131	0.01	[illegible]	Concrete	2	Yellow
132	0.00	[illegible]	Metal/[illegible]	2	Yellow
133	0.0[illegible]	[illegible]	Metal	1	[illegible]
134	0.0[illegible]	[illegible]	Metal	1	Red
135	0.04	[illegible]	Metal	1	Yellow
[illegible]	1.0	Test 1.00	Table	1	Test Std.



Legend :

◆ = Sample Number & Location

Drawing Title:

Lead Sample Location Diagram

Prepared by: EnviroMed Services, Inc. 25 Science Park, New Haven, CT 06511	Date: 7/25/01
Project: Brookfield DOT Maintenance Garage Floor Plan Brookfield, Connecticut	Scale: N.T.S.
	Drawn By: DBR
Prepared for : State of Connecticut Department of Transportation Newington, Connecticut	Approved By: J.K.
EMS 4119-01-568	Drawing No. 1 of 2

APPENDIX N

RELATED CORRESPONDENCE

Plimpton, Erik

From: Bedson, Michael F. <Michael.Bedson@ct.gov>
Sent: Wednesday, December 19, 2018 8:35 AM
To: Plimpton, Erik
Cc: Arienti, Stephen
Subject: FW: Project No. 34-350 Construction of a new Brookfield Repair Facility - Re-Kickoff
Attachments: Scope - Brookfield Repair - 12-18-18.doc.pdf; Brookfield Site Plan(02-07-18).pdf; Brookfield Floor Plan.pdf; FW: Project No. 34-350-Brookfield Repair Facility-Lead, Asbestos & Soil Investigations Request

Erik,

We already knew what was going on, but looks like Brookfield maintenance facility is 100% a go. If we could try to get specs and estimates in by the 60% in February that would be great (see date below further down in email). Give me a call if you have any questions.

Thanks,

Mike

From: Bordonaro, Joseph S <Joseph.Bordonaro@ct.gov>
Sent: Wednesday, December 19, 2018 8:09 AM
To: Bedson, Michael F. <Michael.Bedson@ct.gov>
Cc: Strong, Michael J <Michael.Strong@ct.gov>; Maines, Amie B <Amie.Maines@ct.gov>
Subject: FW: Project No. 34-350 Construction of a new Brookfield Repair Facility - Re-Kickoff

Michael,

Project No. 34-350 design has been restarted. See the attached plans and updated scope. Additionally see the attached email with the Environmental Investigations memo that was forwarded to your office earlier this year.

Please let me know if you have any questions.
Thanks,
Joseph Bordonaro
Project Engineer
Connecticut Department of Transportation
Facilities Design
2800 Berlin Turnpike
Newington, CT 06111
Phone: (860) 594-3310

From: Bordonaro, Joseph S
Sent: Wednesday, December 19, 2018 8:00 AM
To: Easdon, Matthew L <Matthew.Easdon@ct.gov>; Carvalho, Malissa <Malissa.Carvalho@ct.gov>; Mercado, Shinel M. <Shinel.Mercado@ct.gov>; Mangiafico, Sebastiano L <Sebastiano.Manglafico@ct.gov>; Libatique, Ranolfo P <Ranolfo.Libatique@ct.gov>; Silva, Deborah C <Deborah.Silva@ct.gov>; Johnson, Shawn K. <Shawn.Johnson@ct.gov>; Benson, Jesse A <Jesse.Benson@ct.gov>; Mitto, Eaton <Eaton.Mitto@ct.gov>; Witik, Michael P. <Michael.Witik@ct.gov>; Walton, Samara K. <Samara.Walton@ct.gov>
Cc: Strong, Michael J <Michael.Strong@ct.gov>
Subject: Project No. 34-350 Construction of a new Brookfield Repair Facility - Re-Kickoff

Designers are authorized to start the design for Project No. 34-350 per the attached updated scope, proposed site plan, and floor plan, as discussed in yesterday's meeting.

60% Submission Due from Designers: **2/13/2019**
90% Submission Due from Designers: **6/19/2019**
FDP Submission Due from Designers: **9/4/2019**

Please contact me with any concerns.
Thanks,

Joseph Bordonaro
Project Engineer
Connecticut Department of Transportation
Facilities Design
2800 Berlin Turnpike
Newington, CT 06111
Phone: (860) 594-3310

SCOPE FOR CONSTRUCTION OF A NEW BROOKFIELD REPAIR FACILITY
Project No. 0034-0350
12/18/18

GENERAL:
The current "Design Manual for Major Capital Program Facilities and Salt Sheds" is hereby made a part of this scope.

CONSTRUCTION PHASING/COORDINATION:
The new building will be constructed while personnel are located in the existing building. Therefore, no personnel office trailers, restroom trailer, or typical storage containers will be required, and no temporary fuel during construction.

Phasing will consist of the following:

Phase 1: Demolish the cold storage building, three repair bays on north end of the existing building, and motor fuel tanks/island.
Since this project NTP Construction is 3/2020, and 5/2020 is the expiration of unleaded, diesel, waste oil, fuel oil tanks, need to provide temporary waste oil tank and temporary fuel oil tank under this phase.
Phase 2: Construct new building, new motor fuel tanks/dispensers, and perform site work as required for the new facility to be fully operational.
Phase 3: Perform remaining selective demolition of the existing building.

EMPLOYEE AND VEHICLE COUNT:
1. Crews assigned to this facility: N/A.
2. Employees: (11) [(1) female]; optimal (12); plus (0) winter.
3. Vehicles and Equipment: N/A.

NEW BUILDING:
Refer to Preliminary Design Floor Plan dated 01/29/18.

REPAIR OFFICE AREA:
1. Equipment General Supervisor Office, 1 person, half-glass hall door.
2. Garage Supervisor Office, 1 person, half-glass door.
3. Repair Office, 2 people, half-glass door, window overlooking bays.
4. Repair Media Storage Room, Include built-in casework and shelves for manuals, computers, etc.
5. Conference Room, with half-glass hall door, Cot Room.
6. Break Room, with half-glass hall door.

STORES OFFICE AREA:
7. Stores Field Supervisor Office, 1 person, half-glass door, located off the Stockroom, with a window overlooking Stockroom.
8. Stores Material Management Office, including Stores Storeroom Supervisor and Service Vestibule, 2 people, half-glass door, located off the Stockroom, with a window overlooking the Stockroom. Stores Service Vestibule will include a commercial grade sliding parts window/shelf to Repair Bays and voice/data outlet.

GENERAL AREAS:

1. Men's Room and Locker Room.
2. Women's Room and Locker Room.
3. Janitor's Closet.
4. Halls and Vestibule.
5. Electrical Room and Communications Room sized as required.
6. Mechanical Room and Sprinkler Room sized as required, allowing space for a diesel fire pump in case one becomes required.

STORES STOCKROOM:

The following features will be included in the Stockroom for Stores:

1. Install double door between the Stockroom and Repair Bays adjacent to the Service Vestibule.
2. Install appropriate shelving for stock, based on the previous projects with the layout determined during design (TBD with Stores). Add a built-in workbench for Receiving (with a voice/data outlet) and tire racks for storage of tires. Install racks on walls. Install secondary containment detention basin 30-feet long for 55-gallon drums, 5-gallon oil containers, batteries, and cases of antifreeze. Basin design shall match DOT standard recessed design.
3. Include wash fountain and eye/face wash.
4. Provide well-lit aisles.
5. Install a door bell at the Service Vestibule and at the exterior Stockroom door to alert Stores personnel that someone is waiting for assistance. System should ring in the Stockroom and the Stores Material Management Office. Each door bell will ring a different tone to alert personnel to the correct location.

REPAIR BAYS:

The Repair Bays will include:

1. Repair Bays:
   a. (1) Mobile Column Hydraulic 4-post lift system, 72,000 lbs. Basis-of-design manufacturer shall be Rotary Lift Wireless Mach4 with Mohawk Lift as an equal.
   b. (1) 2-post lift, 18,000 lbs. Basis-of-design manufacturer shall be Rotary Lift model SP018.
   c. (1) 90,000 lbs. max capacity modular in-ground scissor lift (instead of parallelogram). Basis-of-design manufacturer shall be Rotary Lift model EFX60/90.
   d. 3 ton (labeled 2 ton) crane. Basis-of-design matches recent projects.
   e. Vehicle exhaust system with high temperature hoses servicing all bays.
   f. Chain link Tool Crib (with Stores No Charge Area) with double doors. Shelving and storage layout (TBD with Repair).
   g. Workbenches (quantity and location TBD with Repair). Task lighting and electrical receptacles will be provided.
   h. Specialty Electrical Receptacles: Identify type and locations of specialty electrical receptacles (220V, etc.) (TBD with Repair).

i. Separate oxygen and acetylene bulk storage areas (location TBD with Repair).
j. Flammable storage cabinet (location TBD with Repair).
k. Radiant floor heating with its own in-line circulating pump.
l. Overhead coiling doors.
m. Oil and antifreeze disposal systems to pump waste oil or antifreeze into the waste oil or waste antifreeze aboveground storage tanks.

2. Lubricant Storage/Compressor Room:

a. Fluid storage and distribution system (types and quantities of fluids/areas served, and system basis of design TBD).
b. Secondary containment detention basin sized for 55-gallon drums (size and location TBD with Repair). Basin design shall match DOT standard recessed design.
c. (2) 330-gallon tanks (motor oil and hydraulic oil).
d. Air compressor and related accessories.

3. Weld Shop:

a. Overhead coiling door.
b. 3 ton (labeled 2 ton) crane. Basis-of-design matches recent projects.
c. Two fixed welding exhaust systems, one on each side, and one portable welding exhaust unit. All fixed welding exhaust systems shall terminate above the roof.
d. Floor anchors.
e. Workbenches (quantity and location TBD with Repair). Task lighting and electrical receptacles will be provided.
f. Specialty Electrical Receptacles: Identify type and locations of specialty electrical receptacles (220V, etc.) (TBD with Repair).

4. Wash Bay.

SITE IMPROVEMENTS:
Refer to Preliminary Design Site Plan dated 02/07/18.

The following site improvements will be made:

1. Include parking spaces for employees plus visitors, plus handicap parking.
2. Install perimeter site fencing and gate.
3. Site drainage included as required.
4. Paving (full depth) as required.
5. Install concrete apron adjacent to Weld Shop.
6. Site lighting included as required.
7. Install block heaters, tied into the BAS System (quantity and location TBD with Repair).
8. Install flagpole.
9. Install generator with diesel base tank. No sound attenuating enclosure.
10. Install 1000 gallon oil-water separator.
11. Install 500 gallon aboveground waste oil and waste antifreeze storage tanks.
12. Install 3000 gallon diesel fuel and 3000 gallon unleaded gasoline aboveground storage tanks with motor fuel dispensers (DEF requirements TBD with Repair).

13. Utilities:

a. Natural Gas: New.
b. Public Water Supply: New.
c. Public Sewer System: New.
d. Power: New.
e. Communications: New.
f. Cable TV: New.

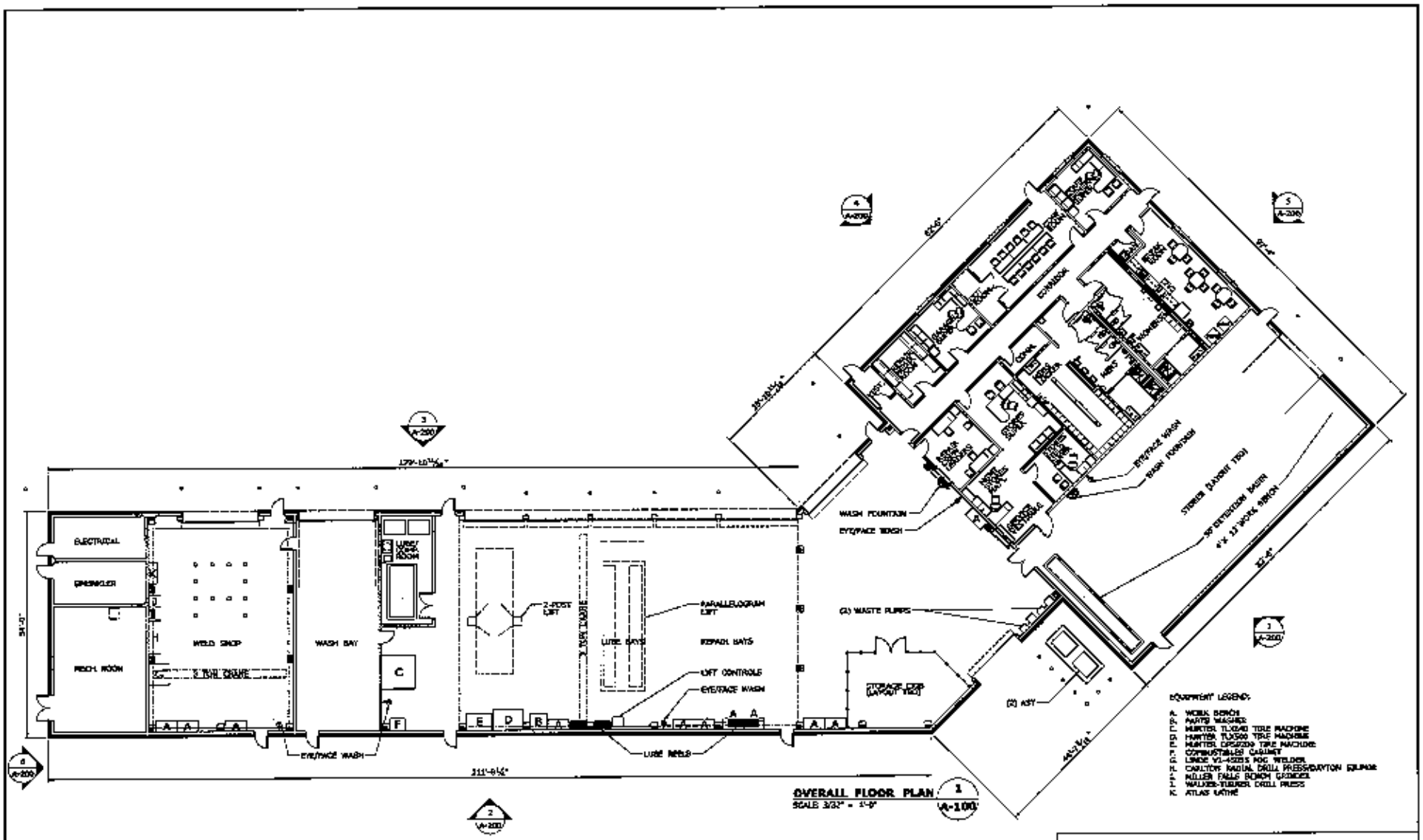
EXISTING BUILDING AND SITE SELECTIVE DEMOLITION:

The existing facility contains a National Geodetic Survey (NGS) Continuously Operating Reference Station (CORS) Global Positioning System (GPS) that must remain operational at all times from its existing location in the building. A portion of the building will remain for off-season equipment storage. The following selective demolition will be performed:

1. Remove the motor fuel island, unleaded, diesel, fuel oil, waste oil tanks, oil-water separator, propane tank, and tank monitoring system. The Brookfield tank replacement programmed for 2019 construction in advance of the 2020 expiration date will not be performed.
2. Remove the cold storage building.
3. Remove and relocate equipment for Repair & Stores operations.
4. Demolish stores stockroom, three repair bays on north end of building, and mechanical and electrical spaces.
5. Remove all non-loadbearing interior walls, office areas, bathrooms, etc.
6. Perform required roof work and masonry work on building envelope.
7. Abandon well.
8. Retain bay area floor drains and connect to new oil-water separator.
9. Remove all plumbing and mechanical systems.
10. Electrical and communication systems required for GPS survey station will remain.
11. Remove obsolete electrical systems.

ENVIRONMENTAL:

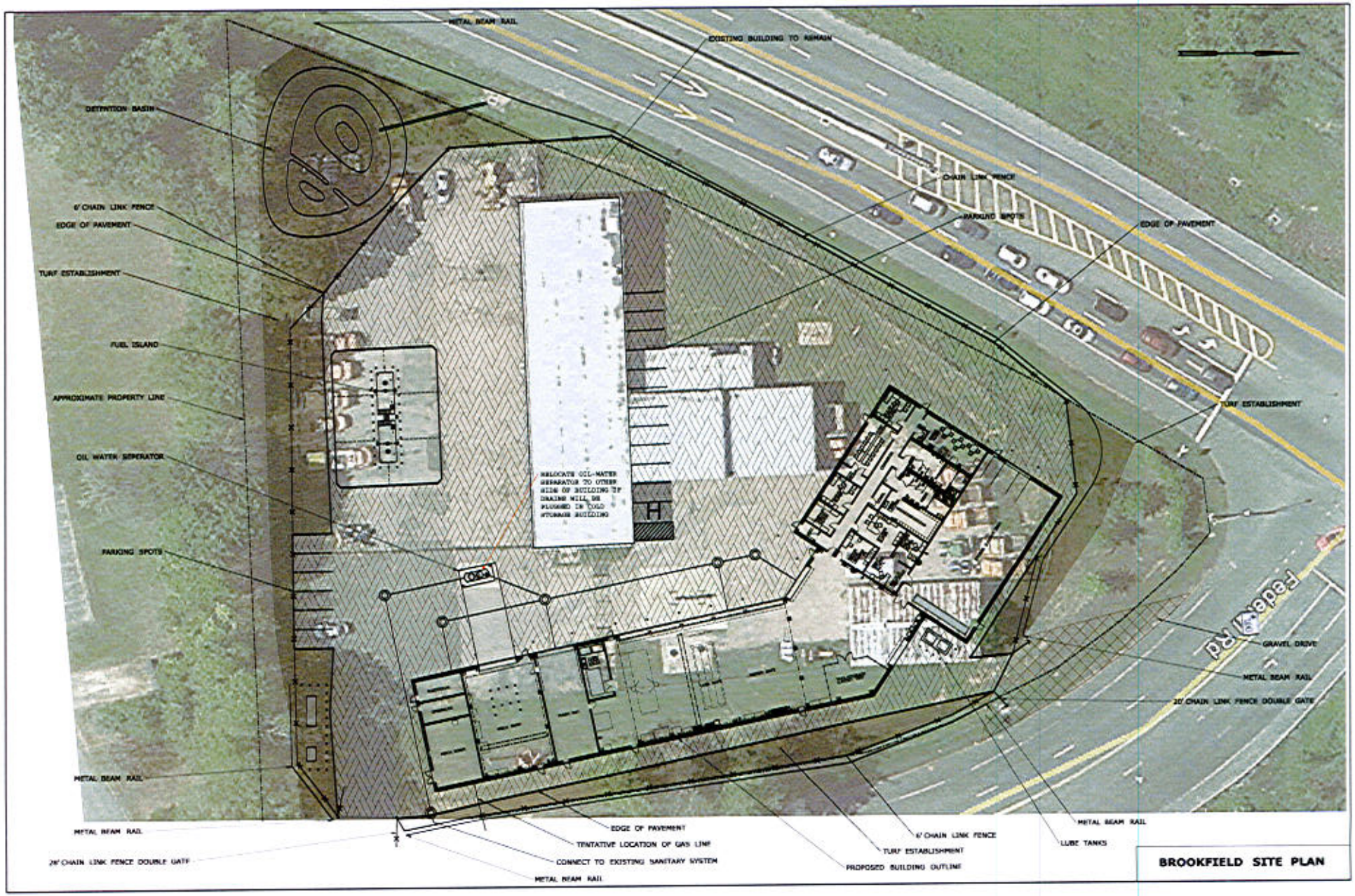
Environmental Compliance investigations for soil and groundwater, asbestos and lead, and other hazards will be performed.



OVERALL FLOOR PLAN 1 A-100
SCALE 3/32" = 1'-0"

SEMI FINAL DESIGN REVIEW

			STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	OFFICE OF ENGINEERING	CONSTRUCTION OF A NEW BROOKFIELD REPAIR FACILITY	BROOKFIELD	54-250
		SCALE AS NOTED				OVERALL FLOOR PLAN	A-100


METAL BEAM RAIL
EXISTING BUILDING TO REMAIN
DETENTION BASIN
6' CHAIN LINK FENCE
EDGE OF PAVEMENT
TURF ESTABLISHMENT
FUEL ISLAND
APPROXIMATE PROPERTY LINE
OIL WATER SEPERATOR
PARKING SPOTS
METAL BEAM RAIL
METAL BEAM RAIL
20' CHAIN LINK FENCE DOUBLE GATE
EDGE OF PAVEMENT
TENTATIVE LOCATION OF GAS LINE
CONNECT TO EXISTING SANITARY SYSTEM
METAL BEAM RAIL
RELOCATE OIL-WATER SEPARATOR TO OTHER SIDE OF BUILDING IF DRAINS WILL BE PLUGGED IN COLD STORAGE BUILDING
CHAIN LINK FENCE
PARKING SPOTS
EDGE OF PAVEMENT
TURF ESTABLISHMENT
Federal Rd
GRAVEL DRIVE
METAL BEAM RAIL
20' CHAIN LINK FENCE DOUBLE GATE
6' CHAIN LINK FENCE
TURF ESTABLISHMENT
PROPOSED BUILDING OUTLINE
METAL BEAM RAIL
LUBE TANKS
BROOKFIELD SITE PLAN

Plimpton, Erik

From: Bedson, Michael F. <Michael.Bedson@ct.gov>
Sent: Thursday, March 15, 2018 7:20 AM
To: Plimpton, Erik
Cc: Arienti, Stephen; Laliberte, Henry
Subject: RE: Project 0034-0350
Attachments: Env. Compl-Brookfield_FA_Final_0034-0350.pdf

9/11/19
FDP 9/11/19

Erik,

Attached is the revised scope from facilities design for the Brookfield, no longer Danbury project. They would like reports, specs, etc...by August of 2018 but FDP isn't until September of 2019. Probably doesn't make sense to conduct pcb sampling anytime soon if it is going to sit and wait to be demolished for such a long period of time. I will speak with the designers and ask if they have any issue with us holding off on completing the sampling until closer to the FDP date late next summer. Just wanted to keep you up to date on what is going on.

Thanks,

Mike

From: Plimpton, Erik [mailto:EPlimpton@trcsolutions.com]
Sent: Friday, January 19, 2018 10:30 AM
To: Bedson, Michael F.
Cc: Arienti, Stephen; Laliberte, Henry
Subject: RE: Project 0034-0350

5 6/6

Yes report was issued for main building (and for CSB)
Word doc of main building attached here, along with full pdf of CSB
Set up a meeting with mike strong or whomever it is and we can go over what they want to do for reno/demo and what will be impacted so we can do specs
We will need to go do a bit more field work in the main building as well, to collect a tclp pb waste sample once we know what the projected waste stream will be, and possibly to sample one of the caulks for pcb that for now we have left unsampled and noted as potentially pcb containing.

Erik R. Plimpton, PE, CHMM, CMC
Vice President
Eastern Region Practice Leader
Building Sciences & Industrial Hygiene

TRC

21 Griffin Road North, Windsor, CT 06095
T: 860.298.6280 | F: 860.298.6380 | C: 860.798.4699

LinkedIn | Twitter | Blog | Flickr | www.trcsolutions.com

Also look above CT for old Asbestos & Sample if found. (Photos)

From: Bedson, Michael F. [mailto:Michael.Bedson@ct.gov]
Sent: Friday, January 19, 2018 10:16 AM
To: Plimpton, Erik <EPlimpton@trcsolutions.com>
Subject: Project 0034-0350

Erik,

Just got a call from the designer of 0034-0350 regarding the Brookfield Facility. Apparently the construction cost of building a new Danbury facility has become so cost prohibitive they are now looking to demo some of the main Brookfield building and add onto it. I can't remember exactly what we did for the Brookfield main building. I believe you guys did run through there and perform a survey, but I don't remember if I received a hard copy report from you, or if we put one together at all.

Let me know if we have a report, and if not let's put one together based on the information we have. Designer would like to have a meeting with us in the near future to go over the changes that will be taking place. Who knows if the Cold Storage Building gets demolished now.

Thanks,

Mike

Michael Bedson, EIT
Environmental Compliance
Department of Transportation
2800 Berlin Tpke, Newington, CT 06111
D. 860-594-3004 M. 860-816-4656

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

memorandum

subject: Lead, Asbestos, and Soil Investigations
Brookfield Repair Facility

Project No.: 34-350

date: March 6, 2018

to: Mr. Adam G. Fox, P.E.
Transportation Principal Engineer
Bureau of Engineering and Construction

from: Mr. Christopher J. Bonsignore, P.E.
Transportation Principal Engineer
Bureau of Engineering and Construction

Christopher J Bonsignore P.E. 2018.03.06 17:06:43-05'00'

This office is requesting the following:

Perform a Task 210 to fully characterize the existing site. The existing UST's will be removed and replaced with AST's (motor fuel) or UST's (OWS) as part of this project.

Perform a Task 710/720 and hazardous materials investigation in the existing building and cold storage building. The existing building will be partially demolished and used for cold storage. The existing cold storage building will be demolished.

A preliminary site plan with proposed boring locations, floor plan, and the current scope of work are attached. PE efforts for this project will be under the above-noted project number. A previous request was put in under this PE number for another site (Danbury) - see attached.

The FDP for the project is September 2019, although it would be desirable to receive the reports by August 2018 to coincide with the Design Development submission.

Should you have any questions or need any additional information, please contact Matthew Easdon at 860-594-3393 or the Project Engineer, Joseph Bordonaro, at 860-594-3310.

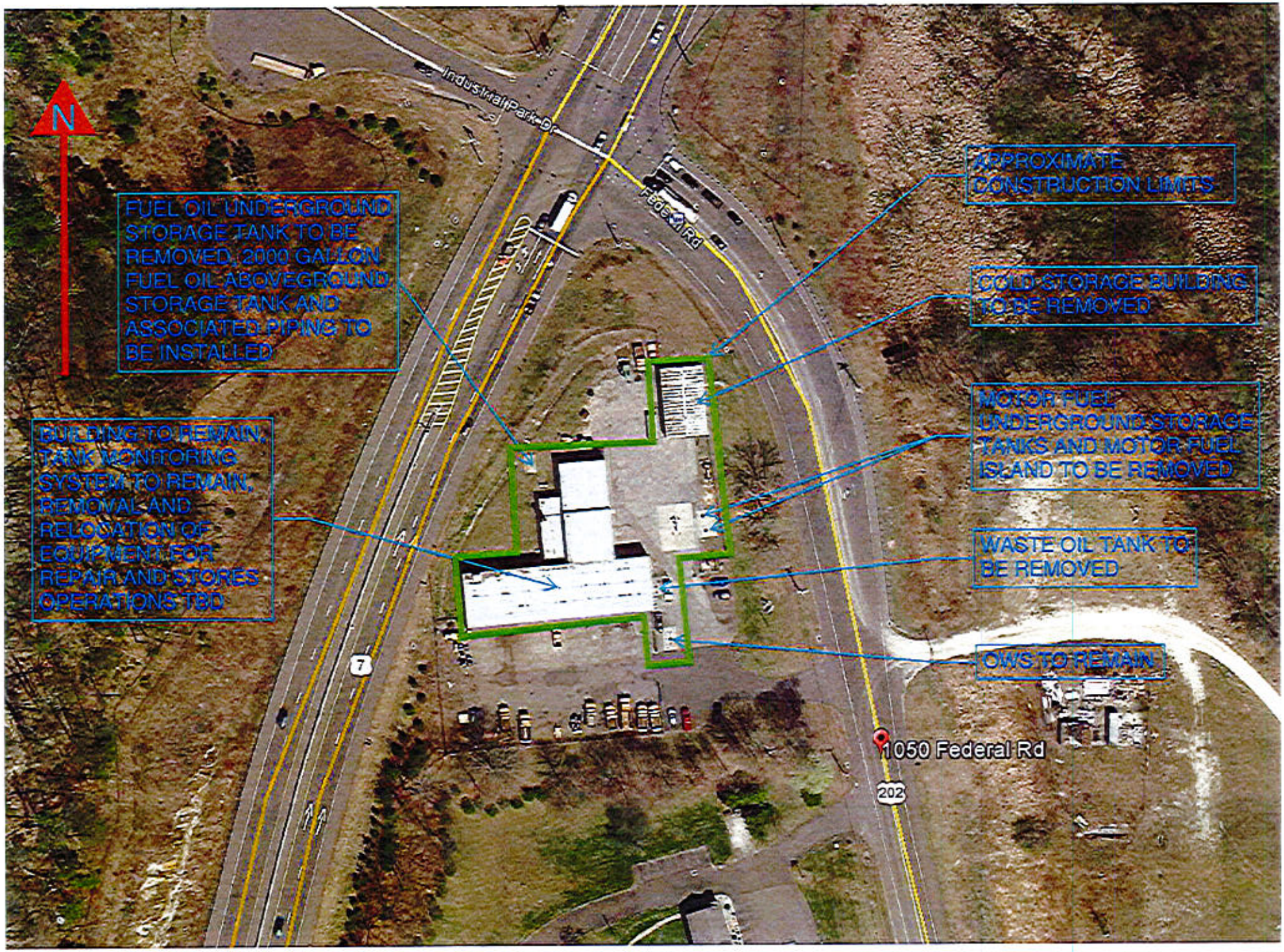
Attachments

Matthew Easdon/me/sk Matthew Easdon

cc: James A. Fallon
David A. Hartley
Christopher J. Bonsignore – Michael J. Strong – Joseph S. Bordonaro

Michael Strong

D:\program files\bentley\projectwise\d0217994\Env. Compl- Brookfield_FA_Final_0034-0350.doc


N
FUEL OIL UNDERGROUND STORAGE TANK TO BE REMOVED, 2000 GALLON FUEL OIL ABOVEGROUND STORAGE TANK AND ASSOCIATED PIPING TO BE INSTALLED
BUILDING TO REMAIN, TANK MONITORING SYSTEM TO REMAIN, REMOVAL AND RELOCATION OF EQUIPMENT FOR REPAIR AND STORES OPERATIONS TBD
APPROXIMATE CONSTRUCTION LIMITS
COLD STORAGE BUILDING TO BE REMOVED
MOTOR FUEL UNDERGROUND STORAGE TANKS AND MOTOR FUEL ISLAND TO BE REMOVED
WASTE OIL TANK TO BE REMOVED
OWS TO REMAIN
Industrial Park Dr
Federal Rd
7
202
1050 Federal Rd

Plimpton, Erik

From: Plimpton, Erik
Sent: Friday, January 19, 2018 10:29 AM
To: 'Bedson, Michael F.'
Cc: Arienti, Stephen; Laliberte, Henry
Subject: RE: Project 0034-0350
Attachments: 5616 DOT rpt INSPECTION SURVEY_Brookfield MF Main Building.doc; 5616 Brookfield Maintenance Facility - CSB - IR (reduced).pdf

DBS

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Sent: Friday, January 19, 2018 10:16 AM
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