

ADDENDUM # 1

All contractors receiving addenda are reminded that they must verify receipt of all addendum in their Bid Proposals. The following addendum modifies, substitutes, deletes, and/or adds items to the Bid Documents, Specifications and Drawings.

THE BID DATE SHALL REMAIN THE SAME AS LISTED IN THE INSTRUCTIONS TO BIDDERS

Attached Mandatory Pre-Bid Walk Thru Sign-in Sheet

BID DOCUMENTS:

1. **INSTRUCTION TO BIDDERS – Delete second to last paragraph of Instructions to bidders and replace with “Bidder shall submit Bids on the provided bid forms in triplicate with original signatures on one and two copies.”**
2. **INFORMATION TO BIDDERS – ARTICLE 6 AWARD OF CONTRACT – Delete item E. and Replace with:
E. Contractor shall be responsible for obtaining all town building permits. Building Permit fees will be waived, except for the state education component (\$0.26 per \$1,000 construction value).**
3. **PREVAILING WAGE RATES – Attached prevailing wage rates for project.**

SPECIFICATIONS:

1. **PCB TECHNICAL SPECIFICATION – Turkey Hill School. Delete PCB Abatement Specification for Peck Place School in its entirety. See attached PCB Abatement Specification from Facility Support Services, LLC.**

DRAWINGS:

1. **DRAWING P-103 - In the Health Toilet revise wall mounted toilet to a floor mounted type toilet. This water closet shall be equal to “American Standard”, Madera 16-1/2” high, model #2857.016, with manual flush valve included as part of package. Connect the new sanitary piping from this water closet to the nearest sanitary piping below slab. Connect the water closet with water piping as required.**

2. The new project door for classroom #406 is conflicting by a couple of inches with the existing recessed vertical type hot water cabinet water unit heater serving the corridor. This unit will require to be relocated 6' to the left of the new door when viewed from the corridor. Extend existing wall opening and structural lintel above, mount unit inside the extended opening, and extend piping, power & controls wiring as required

RFI Responses:

1. The RFI from Ruotolo Mechanical in regards to the radiant heating panels in the (2) single bathrooms, as indicated on drawing M-101.

Response: The note #8 indicated in the Scope of Work on drawing M-101 is general in nature in regards to the controls required to be provided. The only control work required to be provided is for the (2) indicated radiant heating panels CRP1 which shall be provided with built-in thermostats, as specified on drawing M-101.

2. The RFI from Ruotolo Mechanical in regards to the duct cleaning, as per Section 23 31 13, 3.9.

Response: The duct cleaning is limited to the exhaust ventilation affected by this project.

3. The RFI from K&B Fire Protection, LLC in regards seismic restraints and piping pressure testing, as per drawing FP-101, Scope of Work, notes #14 & 17 respectively.

Response: In regards to seismic bracing (item #14) refer to 2010 NFPA 13, Chapter 9. In regards to piping pressure testing referenced in Section 21 13 13, 3.03, refer to the hydrostatic tests required to be performed as per 2010 NFPA 13, 16.2.1.1.

End of Addendum #1

MANDATORY WALK THROUGH ADA PROJECT TURKEY HII SCHOOL

JUNE 5th 2018

NAME (PRINT)	COMPANY
1 <u>Jim Pino Jr</u>	<u>OLYMPUS CONSTRUCTION</u>
2 <u>Jeffrey McConner</u>	<u>Gardner Construction</u> 413-535-1326
3 <u>EDDIE CALVERT</u>	<u>CALVERT SAFE</u>
4 <u>TIM/KEEGAN</u>	<u>John L. Simpson Co.</u>
5 <u>JACK HEALEY</u>	<u>PANZIA CONST.</u>
6 <u>Andrew Palotta</u>	<u>Robison Const.</u>
7 <u>Mark Durkin</u>	<u>Holzner Construction</u>
8 <u>JENNIFER DANIELS</u>	<u>DEF SERVICES GROUP LTD</u>
9 <u>ANDAMARIE AMORE</u>	<u>AAI FLOORING</u>
10 <u>MARK PIMBINO</u>	<u>AAI Flooring</u>
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MANDATORY WALK THROUGH ADA PROJECT TURKEY HII SCHOOL

JUNE 5th 2018

	NAME (PRINT)	COMPANY
1	Ron Rucolo	Rucolo Mechanical
2	PAT Chipine	T.H.P.
3	Bill Abildgaard	Leed Construction
4	Jason Kamberger	KSR
5	Greg RAUCCI	BISMARK
6		
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Project: Turkey Hill School ADA Renovations

**Minimum Rates and Classifications
for Building Construction**

ID# : B 24901

**Connecticut Department of Labor
Wage and Workplace Standards Division**

By virtue of the authority vested in the Labor Commissioner under provisions of Section 31-53 of the General Statutes of Connecticut, as amended, the following are declared to be the prevailing rates and welfare payments and will apply only where the contract is advertised for bid within 20 days of the date on which the rates are established. Any contractor or subcontractor not obligated by agreement to pay to the welfare and pension fund shall pay this amount to each employee as part of his/her hourly wages.

Project Number: 107-0048

Project Town: Orange

State#:

FAP#:

Project: Turkey Hill School ADA Renovations

CLASSIFICATION	Hourly Rate	Benefits
1a) Asbestos Worker/Insulator (Includes application of insulating materials, protective coverings, coatings, & finishes to all types of mechanical systems; application of firestopping material for wall openings & penetrations in walls, floors, ceilings	38.25	27.96
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1b) Asbestos/Toxic Waste Removal Laborers: Asbestos removal and encapsulation (except its removal from mechanical systems which are not to be scrapped), toxic waste removers, blasters. **See Laborers Group 7**		
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1c) Asbestos Worker/Heat and Frost Insulator	39.00	28.76

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2) Boilermaker	38.34	26.01
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3a) Bricklayer, Cement Mason, Concrete Finisher (including caulking), Stone Masons	33.48	32.06 + a
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3b) Tile Setter	34.90	25.87
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3c) Terrazzo Mechanics and Marble Setters	31.69	22.35
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3d) Tile, Marble & Terrazzo Finishers	26.70	21.75
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3e) Plasterer	33.48	32.06
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-----LABORERS-----

4) Group 1: Laborers (common or general), acetylene burners, carpenter tenders, concrete specialists, wrecking laborers, fire watchers.	30.05	20.10
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4a) Group 2: Mortar mixers, plaster tender, power buggy operators, powdermen, fireproofers/mixer/nozzleman (Person running mixer and spraying fireproof only).	30.30	20.10
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4b) Group 3: Jackhammer operators/pavement breaker, mason tender (brick), mason tender (cement/concrete), forklift operators and forklift operators (masonry).	30.55	20.10
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4c) **Group 4: Pipelayers (Installation of water, storm drainage or sewage lines outside of the building line with P6, P7 license) (the pipelayer rate shall apply only to one or two employees of the total crew who primary task is to actually perform the mating of pipe sections) P6 and P7 rate is \$26.80.	30.55	20.10
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4d) Group 5: Air track operator, sand blaster and hydraulic drills.	30.55	20.10
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4e) Group 6: Blasters, nuclear and toxic waste removal. 31.80 20.10

4f) Group 7: Asbestos/lead removal and encapsulation (except it's removal from mechanical systems which are not to be scrapped). 31.05 20.10

4g) Group 8: Bottom men on open air caisson, cylindrical work and boring crew. 28.38 20.10

4h) Group 9: Top men on open air caisson, cylindrical work and boring crew. 27.86 20.10

4i) Group 10: Traffic Control Signalman 16.00 20.10

5) Carpenter, Acoustical Ceiling Installation, Soft Floor/Carpet Laying, Metal Stud Installation, Form Work and Scaffold Building, Drywall Hanging, Modular-Furniture Systems Installers, Lathers, Piledrivers, Resilient Floor Layers. 32.60 25.34

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5a) Millwrights 33.14 25.74

6) Electrical Worker (including low voltage wiring) (Trade License required: E1,2 L-5,6 C-5,6 T-1,2 L-1,2 V-1,2,7,8,9) 37.50 26.31+3% of gross wage

7a) Elevator Mechanic (Trade License required: R-1,2,5,6) 51.71 32.645+a+b

-----LINE CONSTRUCTION-----

Groundman 26.50 6.5% + 9.00

Linemen/Cable Splicer 48.19 6.5% + 22.00

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8) Glazier (Trade License required: FG-1,2)	36.28	20.45 + a
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9) Ironworker, Ornamental, Reinforcing, Structural, and Precast Concrete Erection	35.47	33.39 + a
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----OPERATORS----

Group 1: Crane handling or erecting structural steel or stone, hoisting engineer 2 drums or over, front end loader (7 cubic yards or over), work boat 26 ft. and over and Tunnel Boring Machines. (Trade License Required)	39.55	24.05 + a
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Group 2: Cranes (100 ton rate capacity and over); Excavator over 2 cubic yards; Piledriver (\$3.00 premium when operator controls hammer); Bauer Drill/Caisson. (Trade License Required)	39.23	24.05 + a
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Group 3: Excavator; Backhoe/Excavator under 2 cubic yards; Cranes (under 100 ton rated capacity), Grader/Blade; Master Mechanic; Hoisting Engineer (all types of equipment where a drum and cable are used to hoist or drag material regardless of motive power of operation), Rubber Tire Excavator (Drott-1085 or similar); Grader Operator; Bulldozer Fine Grade. (slopes, shaping, laser or GPS, etc.). (Trade License Required)	38.49	24.05 + a
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Group 4: Trenching Machines; Lighter Derrick; Concrete Finishing Machine; CMI Machine or Similar; Koehring Loader (Skooper).	38.10	24.05 + a
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Group 5: Specialty Railroad Equipment; Asphalt Paver; Asphalt Reclaiming Machine; Line Grinder; Concrete Pumps; Drills with Self Contained Power Units; Boring Machine; Post Hole Digger; Auger; Pounder; Well Digger; Milling Machine (over 24" Mandrell)	37.51	24.05 + a
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Group 5 continued: Side Boom; Combination Hoe and Loader; Directional Driller; Pile Testing Machine.	37.51	24.05 + a
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Group 6: Front End Loader (3 up to 7 cubic yards); Bulldozer (rough grade dozer).	37.20	24.05 + a
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Group 7: Asphalt roller, concrete saws and cutters (ride on types), vermeer concrete cutter, Stump Grinder; Scraper; Snooper; Skidder; Milling Machine (24" and under Mandrell).	36.86	24.05 + a
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Group 8: Mechanic, grease truck operator, hydroblaster; barrier mover; power stone spreader; welding; work boat under 26 ft.; transfer machine.	36.46	24.05 + a
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Group 9: Front end loader (under 3 cubic yards), skid steer loader regardless of attachments, (Bobcat or Similar): forklift, power chipper; landscape equipment (including Hydroseeder).	36.03	24.05 + a
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Group 10: Vibratory hammer; ice machine; diesel and air, hammer, etc.	33.99	24.05 + a
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Group 11: Conveyor, earth roller, power pavement breaker (whiphammer), robot demolition equipment.	33.99	24.05 + a
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Group 12: Wellpoint operator.	33.93	24.05 + a
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Group 13: Compressor battery operator.	33.35	24.05 + a
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Group 14: Elevator operator; tow motor operator (solid tire no rough terrain).	32.21	24.05 + a
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Group 15: Generator Operator; Compressor Operator; Pump Operator; Welding Machine Operator; Heater Operator.	31.80	24.05 + a
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Group 16: Maintenance Engineer/Oiler.	31.15	24.05 + a
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Group 17: Portable asphalt plant operator; portable crusher plant operator; portable concrete plant operator.	35.46	24.05 + a
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Group 18: Power safety boat; vacuum truck; zim mixer; sweeper; (Minimum for any job requiring a CDL license).	33.04	24.05 + a
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-----PAINTERS (Including Drywall Finishing)-----

10a) Brush and Roller	32.72	20.45
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10b) Taping Only/Drywall Finishing 33.47 20.45

10c) Paperhanger and Red Label 33.22 20.45

10e) Blast and Spray 35.72 20.45

11) Plumber (excluding HVAC pipe installation) (Trade License required:
P-1,2,6,7,8,9 J-1,2,3,4 SP-1,2) 41.62 30.36

12) Well Digger, Pile Testing Machine 37.26 24.05 + a

Roofer: Cole Tar Pitch 41.00 16.50 + a

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Rofer: Slate, Tile, Composition, Shingles, Singly Ply and Damp/Waterproofing	39.50	16.50 + a
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15) Sheetmetal Worker (Trade License required for HVAC and Ductwork: SM-1,SM-2,SM-3,SM-4,SM-5,SM-6)	37.18	35.29
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16) Pipefitter (Including HVAC work) (Trade License required: S-1,2,3,4,5,6,7,8 B-1,2,3,4 D-1,2,3,4, G-1, G-2, G-8 & G-9)	41.62	30.36
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-----TRUCK DRIVERS-----

17a) 2 Axle	29.13	22.32 + a
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17b) 3 Axle, 2 Axle Ready Mix	29.23	22.32 + a
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17c) 3 Axle Ready Mix	29.28	22.32 + a
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17d) 4 Axle, Heavy Duty Trailer up to 40 tons	29.33	22.32 + a
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17e) 4 Axle Ready Mix	29.38	22.32 + a
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17f) Heavy Duty Trailer (40 Tons and Over)	29.58	22.32 + a
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17g) Specialized Earth Moving Equipment (Other Than Conventional Type on-the-Road Trucks and Semi-Trailers, Including Euclids)	29.38	22.32 + a
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18) Sprinkler Fitter (Trade License required: F-1,2,3,4)	43.92	15.84 + a
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19) Theatrical Stage Journeyman	25.76	7.34
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Welders: Rate for craft to which welding is incidental.

**Note: Hazardous waste removal work receives additional \$1.25 per hour for truck drivers.*

***Note: Hazardous waste premium \$3.00 per hour over classified rate*

ALL Cranes: When crane operator is operating equipment that requires a fully licensed crane operator to operate he receives an extra \$4.00 premium in addition to the hourly wage rate and benefit contributions:

1) Crane handling or erecting structural steel or stone; hoisting engineer (2 drums or over)

2) Cranes (100 ton rate capacity and over) Bauer Drill/Caisson

3) Cranes (under 100 ton rated capacity)

Crane with 150 ft. boom (including jib) - \$1.50 extra

Crane with 200 ft. boom (including jib) - \$2.50 extra

Crane with 250 ft. boom (including jib) - \$5.00 extra

Crane with 300 ft. boom (including jib) - \$7.00 extra

Crane with 400 ft. boom (including jib) - \$10.00 extra

All classifications that indicate a percentage of the fringe benefits must be calculated at the percentage rate times the "base hourly rate".

Apprentices duly registered under the Commissioner of Labor's regulations on "Work Training Standards for Apprenticeship and Training Programs" Section 31-51-d-1 to 12, are allowed to be paid the appropriate percentage of the prevailing journeymen hourly base and the full fringe benefit rate, providing the work site ratio shall not be less than one full-time journeyman instructing and supervising the work of each apprentice in a specific trade.

The Prevailing wage rates applicable to this project are subject to annual adjustments each July 1st for the duration of the project.

Each contractor shall pay the annual adjusted prevailing wage rate that is in effect each July 1st, as posted by the Department of Labor.

It is the contractor's responsibility to obtain the annual adjusted prevailing wage rate increases directly from the Department of Labor's website.

The annual adjustments will be posted on the Department of Labor's Web page: www.ct.gov/dol. For those without internet access, please contact the division listed below.

The Department of Labor will continue to issue the initial prevailing wage rate schedule to the Contracting Agency for the project.

All subsequent annual adjustments will be posted on our Web Site for contractor access.

Contracting Agencies are under no obligation pursuant to State labor law to pay any increase due to the annual adjustment provision.

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Effective October 1, 2005 - Public Act 05-50: any person performing the work of any mechanic, laborer, or worker shall be paid prevailing wage

All Person who perform work ON SITE must be paid prevailing wage for the appropriate mechanic, laborer, or worker classification.

All certified payrolls must list the hours worked and wages paid to All Persons who perform work ON SITE regardless of their ownership i.e.: (Owners, Corporate Officers, LLC Members, Independent Contractors, et. al)

Reporting and payment of wages is required regardless of any contractual relationship alleged to exist between the contractor and such person.

~~Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clause (29 CFR 5.5 (a) (1) (ii)).

Please direct any questions which you may have pertaining to classification of work and payment of prevailing wages to the Wage and Workplace Standards Division, telephone (860)263-6790.

As of: Friday, June 08, 2018

Information Bulletin *Occupational Classifications*

The Connecticut Department of Labor has the responsibility to properly determine "job classification" on prevailing wage projects covered under C.G.S. Section 31-53(d).

Note: This information is intended to provide a sample of some occupational classifications for guidance purposes only. It is not an all-inclusive list of each occupation's duties. This list is being provided only to highlight some areas where a contractor may be unclear regarding the proper classification. If unsure, the employer should seek guidelines for CTDOL.

Below are additional clarifications of specific job duties performed for certain classifications:

- **ASBESTOS WORKERS**

Applies all insulating materials, protective coverings, coatings and finishes to all types of mechanical systems.

- **ASBESTOS INSULATOR**

Handle, install apply, fabricate, distribute, prepare, alter, repair, dismantle, heat and frost insulation, including penetration and fire stopping work on all penetration fire stop systems.

- **BOILERMAKERS**

Erects hydro plants, incomplete vessels, steel stacks, storage tanks for water, fuel, etc. Builds incomplete boilers, repairs heat exchanges and steam generators.

- **BRICKLAYERS, CEMENT MASONS, CEMENT FINISHERS, MARBLE MASONS, PLASTERERS, STONE MASONS, PLASTERERS. STONE MASONS, TERRAZZO WORKERS, TILE SETTERS**

Lays building materials such as brick, structural tile and concrete cinder, glass, gypsum, terra cotta block. Cuts, tools and sets marble, sets stone, finishes concrete, applies decorative steel, aluminum and plastic tile, applies cements, sand, pigment and marble chips to floors, stairways, etc.

- **CARPENTERS, MILLWRIGHTS, PILEDRIVERMEN, LATHERS, RESILIENT FLOOR LAYERS, DOCK BUILDERS, DIKERS, DIVER TENDERS**

Constructs, erects, installs and repairs structures and fixtures of wood, plywood and wallboard. Installs, assembles, dismantles, moves industrial machinery. Drives piling into ground to provide foundations for structures such as buildings and bridges, retaining walls for earth embankments, such as cofferdams. Fastens wooden, metal or rockboard lath to walls, ceilings and partitions of buildings, acoustical tile layer, concrete form builder. Applies firestopping materials on fire resistive joint systems only. Installation of curtain/window walls only where attached to wood or metal studs. Installation of insulated material of all types whether blown, nailed or attached in other ways to walls, ceilings and floors of buildings. Assembly and installation of modular furniture/furniture systems. Free-standing furniture is not covered. This includes free standing: student chairs, study top desks, book box desks, computer furniture, dictionary stand, atlas stand, wood shelving, two-position information access station, file cabinets, storage cabinets, tables, etc.

- **LABORER, CLEANING**

- The clean up of any construction debris and the general (heavy/light) cleaning, including sweeping, wash down, mopping, wiping of the construction facility and its furniture, washing, polishing, and dusting.

- **DELIVERY PERSONNEL**

- If delivery of supplies/building materials is to one common point and stockpiled there, prevailing wages are not required. If the delivery personnel are involved in the distribution of the material to multiple locations within the construction site then they would have to be paid prevailing wages for the type of work performed: laborer, equipment operator, electrician, ironworker, plumber, etc.

- An example of this would be where delivery of drywall is made to a building and the delivery personnel distribute the drywall from one "stockpile" location to further sub-locations on each floor. Distribution of material around a construction site is the job of a laborer or tradesman, and not a delivery personnel.

- **ELECTRICIANS**

Install, erect, maintenance, alteration or repair of any wire, cable, conduit, etc., which generates, transforms, transmits or uses electrical energy for light, heat, power or other purposes, including the installation or maintenance of telecommunication, LAN wiring or computer equipment, and low voltage wiring. **License required per Connecticut General Statutes: E-1,2 L-5,6 C-5,6 T-1,2 L-1,2 V-1,2,7,8,9.*

- **ELEVATOR CONSTRUCTORS**

Install, erect, maintenance and repair of all types of elevators, escalators, dumb waiters and moving walks. **License required by Connecticut General Statutes: R-1,2,5,6.*

- **FORK LIFT OPERATOR**

Laborers Group 4) Mason Tenders - operates forklift solely to assist a mason to a maximum height of nine (9) feet only.

Power Equipment Operator Group 9 - operates forklift to assist any trade, and to assist a mason to a height over nine (9) feet.

- **GLAZIERS**

Glazing wood and metal sash, doors, partitions, and 2 story aluminum storefronts. Installs glass windows, skylights, store fronts and display cases or surfaces such as building fronts, interior walls, ceilings and table tops and metal store fronts. Installation of aluminum window walls and curtain walls is the "joint" work of glaziers and ironworkers, which require equal composite workforce.

- **IRONWORKERS**

Erection, installation and placement of structural steel, precast concrete, miscellaneous iron, ornamental iron, metal curtain wall, rigging and reinforcing steel. Handling, sorting, and installation of reinforcing steel (rebar). Metal bridge rail (traffic), metal bridge handrail, and decorative security fence installation. Installation of aluminum window walls and curtain walls is the "joint" work of glaziers and ironworkers which require equal composite workforce.

- **INSULATOR**

• Installing fire stopping systems/materials for "Penetration Firestop Systems": transit to cables, electrical conduits, insulated pipes, sprinkler pipe penetrations, ductwork behind radiation, electrical cable trays, fire rated pipe penetrations, natural polypropylene, HVAC ducts, plumbing bare metal, telephone and communication wires, and boiler room ceilings.

- **LABORERS**

Acetylene burners, asphalt rakers, chain saw operators, concrete and power buggy operator, concrete saw operator, fence and guard rail erector (except metal bridge rail (traffic), decorative security fence (non-metal).

installation.), hand operated concrete vibrator operator, mason tenders, pipelayers (installation of storm drainage or sewage lines on the street only), pneumatic drill operator, pneumatic gas and electric drill operator, powermen and wagon drill operator, air track operator, block paver, curb setters, blasters, concrete spreaders.

- **PAINTERS**

Maintenance, preparation, cleaning, blasting (water and sand, etc.), painting or application of any protective coatings of every description on all bridges and appurtenances of highways, roadways, and railroads. Painting, decorating, hardwood finishing, paper hanging, sign writing, scenic art work and drywall hhg for any and all types of building and residential work.

- **LEAD PAINT REMOVAL**

- Painter's Rate

1. Removal of lead paint from bridges.
2. Removal of lead paint as preparation of any surface to be repainted.
3. Where removal is on a Demolition project prior to reconstruction.

- Laborer's Rate

1. Removal of lead paint from any surface NOT to be repainted.
2. Where removal is on a *TOTAL* Demolition project only.

- **PLUMBERS AND PIPEFITTERS**

Installation, repair, replacement, alteration or maintenance of all plumbing, heating, cooling and piping. **License required per Connecticut General Statutes: P-1,2,6,7,8,9 J-1,2,3,4 SP-1,2 S-1,2,3,4,5,6,7,8 B-1,2,3,4 D-1,2,3,4.*

- **POWER EQUIPMENT OPERATORS**

Operates several types of power construction equipment such as compressors, pumps, hoists, derricks, cranes, shovels, tractors, scrapers or motor graders, etc. Repairs and maintains equipment. **License required, crane operators only, per Connecticut General Statutes.*

- **ROOFERS**

Covers roofs with composition shingles or sheets, wood shingles, slate or asphalt and gravel to waterproof roofs, including preparation of surface. (demolition or removal of any type of roofing and or clean-up of any and all areas where a roof is to be relaid.)

- **SHEETMETAL WORKERS**

Fabricate, assemble, install and repair sheetmetal products and equipment in such areas as ventilation, air-conditioning, warm air heating, restaurant equipment, architectural sheet metal work, sheetmetal roofing, and aluminum gutters. Fabrication, handling, assembling, erecting, altering, repairing, etc. of coated metal material panels and composite metal material panels when used on building exteriors and interiors as soffits, fascia, louvers, partitions, canopies, cornice, column covers, awnings, beam covers, cladding, sun shades, lighting troughs, spires, ornamental roofing, metal ceilings, mansards, copings, ornamental and ventilation hoods, vertical and horizontal siding panels, trim, etc. The sheet metal classification also applies to the vast variety of coated metal material panels and composite metal material panels that have evolved over the years as an alternative to conventional ferrous and non-ferrous metals like steel, iron, tin, copper, brass, bronze, aluminum, etc. Fabrication, handling, assembling, erecting, altering, repairing, etc. of architectural metal roof, standing seam roof, composite metal roof, metal and composite bathroom/toilet partitions, aluminum gutters, metal and composite lockers and shelving, kitchen equipment, and walk-in coolers. To include testing and air ~balancing ancillary to installation and construction.

- **SPRINKLER FITTERS**

Installation, alteration, maintenance and repair of fire protection sprinkler systems.

**License required per Connecticut General Statutes: F-1,2,3,4.*

- **TILE MARBLE AND TERRAZZO FINISHERS**

Assists and tends the tile setter, marble mason and terrazzo worker in the performance of their duties.

- **TRUCK DRIVERS**

~How to pay truck drivers delivering asphalt is under REVISION~

Truck Drivers are required to be paid prevailing wage for time spent "working" directly on the site. These drivers remain covered by the prevailing wage for any time spent transporting between the actual construction location and facilities (such as fabrication, plants, mobile factories, batch plant, borrow pits, job headquarters, tool yards, etc.) dedicated exclusively, or nearly so, to performance of the contract or project, which are so located in proximity to the actual construction location that it is reasonable to include them. **License required, drivers only, per Connecticut General Statutes.*

For example:

- Material men and deliverymen are not covered under prevailing wage as long as they are not directly involved in the construction process. If, they unload the material, they would then be covered by prevailing wage for the classification they are performing work in: laborer, equipment operator, etc.
- Hauling material off site is not covered provided they are not dumping it at a location outlined above.
- Driving a truck on site and moving equipment or materials on site would be considered covered work, as this is part of the construction process.

➤ *Any questions regarding the proper classification should be directed to:*
Public Contract Compliance Unit
Wage and Workplace Standards Division
Connecticut Department of Labor
200 Folly Brook Blvd, Wethersfield, CT 06109
(860) 263-6543.

**Connecticut Department of Labor
Wage and Workplace Standards Division
FOOTNOTES**

⇒ Please Note: If the "Benefits" listed on the schedule for the following occupations includes a letter(s) (+ a or + a+b for instance), refer to the information below.

Benefits to be paid at the appropriate prevailing wage rate for the listed occupation.

If the "Benefits" section for the occupation lists only a dollar amount, disregard the information below.

**Bricklayers, Cement Masons, Cement Finishers, Concrete Finishers, Stone Masons
(Building Construction) and
(Residential- Hartford, Middlesex, New Haven, New London and Tolland Counties)**

- a. **Paid Holiday:** Employees shall receive 4 hours for Christmas Eve holiday provided the employee works the regularly scheduled day before and after the holiday. Employers may schedule work on Christmas Eve and employees shall receive pay for actual hours worked in addition to holiday pay.

Elevator Constructors: Mechanics

- a. **Paid Holidays:** New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, Christmas Day, plus the Friday after Thanksgiving.
- b. **Vacation:** Employer contributes 8% of basic hourly rate for 5 years or more of service or 6% of basic hourly rate for 6 months to 5 years of service as vacation pay credit.

Glaziers

- a. **Paid Holidays:** Labor Day and Christmas Day.

**Power Equipment Operators
(Heavy and Highway Construction & Building Construction)**

- a. **Paid Holidays:** New Year's Day, Good Friday, Memorial day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, provided the employee works 3 days during the week in which the holiday falls, if scheduled, and if scheduled, the working day before and the working day after the holiday. Holidays falling on Saturday may be observed on Saturday, or if the employer so elects, on the preceding Friday.

Ironworkers

- a. Paid Holiday: Labor Day provided employee has been on the payroll for the 5 consecutive work days prior to Labor Day.

Laborers (Tunnel Construction)

- a. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day. No employee shall be eligible for holiday pay when he fails, without cause, to work the regular work day preceding the holiday or the regular work day following the holiday.

Roofers

- a. Paid Holidays: July 4th, Labor Day, and Christmas Day provided the employee is employed 15 days prior to the holiday.

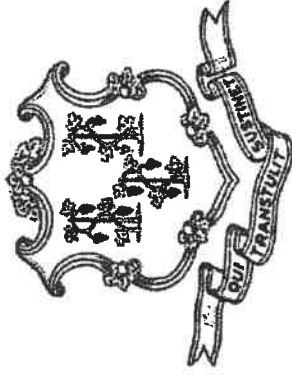
Sprinkler Fitters

- a. Paid Holidays: Memorial Day, July 4th, Labor Day, Thanksgiving Day and Christmas Day, provided the employee has been in the employment of a contractor 20 working days prior to any such paid holiday.

Truck Drivers

(Heavy and Highway Construction & Building Construction)

- a. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas day, and Good Friday, provided the employee has at least 31 calendar days of service and works the last scheduled day before and the first scheduled day after the holiday, unless excused.



THIS IS A PUBLIC WORKS PROJECT

Covered by the

PREVAILING WAGE LAW

CT General Statutes Section 31-53

**If you have QUESTIONS regarding your wages
CALL (860) 263-6790**

Section 31-55 of the CT State Statutes requires every contractor or subcontractor performing work for the state to post in a prominent place the prevailing wages as determined by the Labor Commissioner.

Sec. 31-53b. Construction safety and health course. New miner training program. Proof of completion required for mechanics, laborers and workers on public works projects. Enforcement. Regulations. Exceptions. (a) Each contract for a public works project entered into on or after July 1, 2009, by the state or any of its agents, or by any political subdivision of the state or any of its agents, described in subsection (g) of section 31-53, shall contain a provision requiring that each contractor furnish proof with the weekly certified payroll form for the first week each employee begins work on such project that any person performing the work of a mechanic, laborer or worker pursuant to the classifications of labor under section 31-53 on such public works project, pursuant to such contract, has completed a course of at least ten hours in duration in construction safety and health approved by the federal Occupational Safety and Health Administration or, has completed a new miner training program approved by the Federal Mine Safety and Health Administration in accordance with 30 CFR 48 or, in the case of telecommunications employees, has completed at least ten hours of training in accordance with 29 CFR 1910.268.

(b) Any person required to complete a course or program under subsection (a) of this section who has not completed the course or program shall be subject to removal from the worksite if the person does not provide documentation of having completed such course or program by the fifteenth day after the date the person is found to be in noncompliance. The Labor Commissioner or said commissioner's designee shall enforce this section.

(c) Not later than January 1, 2009, the Labor Commissioner shall adopt regulations, in accordance with the provisions of chapter 54, to implement the provisions of subsections (a) and (b) of this section. Such regulations shall require that the ten-hour construction safety and health courses required under subsection (a) of this section be conducted in accordance with federal Occupational Safety and Health Administration Training Institute standards, or in accordance with Federal Mine Safety and Health Administration Standards or in accordance with 29 CFR 1910.268, as appropriate. The Labor Commissioner shall accept as sufficient proof of compliance with the provisions of subsection (a) or (b) of this section a student course completion card issued by the federal Occupational Safety and Health Administration Training Institute, or such other proof of compliance said commissioner deems appropriate, dated no earlier than five years before the commencement date of such public works project.

(d) This section shall not apply to employees of public service companies, as defined in section 16-1, or drivers of commercial motor vehicles driving the vehicle on the public works project and delivering or picking up cargo from public works projects provided they perform no labor relating to the project other than the loading and unloading of their cargo.

(P.A. 06-175, S. 1; P.A. 08-83, S. 1.)

History: P.A. 08-83 amended Subsec. (a) by making provisions applicable to public works project contracts entered into on or after July 1, 2009, replacing provision re total cost of work with reference to Sec. 31-53(g), requiring proof in certified payroll form that new mechanic, laborer or worker has completed a 10-hour or more construction safety course and adding provision re new miner training program, amended Subsec. (b) by substituting "person" for "employee" and adding "or program", amended Subsec. (c) by adding "or in accordance with Federal Mine Safety and Health Administration Standards" and setting new deadline of January 1, 2009, deleted former Subsec. (d) re "public building", added new Subsec. (d) re exemptions for public service company employees and delivery drivers who perform no labor other than delivery and made conforming and technical changes, effective January 1, 2009.

Informational Bulletin

THE 10-HOUR OSHA CONSTRUCTION SAFETY AND HEALTH COURSE

(applicable to public building contracts entered into *on or after July 1, 2007*, where the total cost of all work to be performed is at least \$100,000)

- (1) This requirement was created by Public Act No. 06-175, which is codified in Section 31-53b of the Connecticut General Statutes (pertaining to the prevailing wage statutes);
- (2) The course is required for public building construction contracts (projects funded in whole or in part by the state or any political subdivision of the state) entered into on or after July 1, 2007;
- (3) It is required of private employees (not state or municipal employees) and apprentices who perform manual labor for a general contractor or subcontractor on a public building project where the total cost of all work to be performed is at least \$100,000;
- (4) The ten-hour construction course pertains to the ten-hour Outreach Course conducted in accordance with federal OSHA Training Institute standards, and, for telecommunications workers, a ten-hour training course conducted in accordance with federal OSHA standard, 29 CFR 1910.268;
- (5) The internet website for the federal OSHA Training Institute is http://www.osha.gov/fso/ote/training/edcenters/fact_sheet.html;
- (6) The statutory language leaves it to the contractor and its employees to determine who pays for the cost of the ten-hour Outreach Course;
- (7) Within 30 days of receiving a contract award, a general contractor must furnish proof to the Labor Commissioner that all employees and apprentices performing manual labor on the project will have completed such a course;
- (8) Proof of completion may be demonstrated through either: (a) the presentation of a *bona fide* student course completion card issued by the federal OSHA Training Institute; *or* (2) the presentation of documentation provided to an employee by a trainer certified by the Institute pending the actual issuance of the completion card;
- (9) Any card with an issuance date more than 5 years prior to the commencement date of the construction project shall not constitute proof of compliance;

- (10) Each employer shall affix a copy of the construction safety course completion card to the certified payroll submitted to the contracting agency in accordance with Conn. Gen. Stat. § 31-53(f) on which such employee's name first appears;
- (11) Any employee found to be in non-compliance shall be subject to removal from the worksite if such employee does not provide satisfactory proof of course completion to the Labor Commissioner by the fifteenth day after the date the employee is determined to be in noncompliance;
- (12) Any such employee who is determined to be in noncompliance may continue to work on a public building construction project for a maximum of fourteen consecutive calendar days while bringing his or her status into compliance;
- (13) The Labor Commissioner may make complaint to the prosecuting authorities regarding any employer or agent of the employer, or officer or agent of the corporation who files a false certified payroll with respect to the status of an employee who is performing manual labor on a public building construction project;
- (14) The statute provides the minimum standards required for the completion of a safety course by manual laborers on public construction contracts; any contractor can exceed these minimum requirements; and
- (15) Regulations clarifying the statute are currently in the regulatory process, and shall be posted on the CTDOL website as soon as they are adopted in final form.
- (16) Any questions regarding this statute may be directed to the Wage and Workplace Standards Division of the Connecticut Labor Department via the internet website of <http://www.ctdol.state.ct.us/wgwkstnd/wgemenu.htm>; or by telephone at (860)263-6790.

THE ABOVE INFORMATION IS PROVIDED EXCLUSIVELY AS AN EDUCATIONAL RESOURCE, AND IS NOT INTENDED AS A SUBSTITUTE FOR LEGAL INTERPRETATIONS WHICH MAY ULTIMATELY ARISE CONCERNING THE CONSTRUCTION OF THE STATUTE OR THE REGULATIONS.

November 29, 2006

Notice

To All Mason Contractors and Interested Parties Regarding Construction Pursuant to Section 31-53 of the Connecticut General Statutes (Prevailing Wage)

The Connecticut Labor Department Wage and Workplace Standards Division is empowered to enforce the prevailing wage rates on projects covered by the above referenced statute.

Over the past few years the Division has withheld enforcement of the rate in effect for workers who operate a forklift on a prevailing wage rate project due to a potential jurisdictional dispute.

The rate listed in the schedules and in our Occupational Bulletin (see enclosed) has been as follows:

Forklift Operator:

- **Laborers (Group 4) Mason Tenders** - operates forklift solely to assist a mason to a maximum height of nine feet only.
- **Power Equipment Operator (Group 9)** - operates forklift to assist any trade and to assist a mason to a height over nine feet.

The U.S. Labor Department conducted a survey of rates in Connecticut but it has not been published and the rate in effect remains as outlined in the above Occupational Bulletin.

Since this is a classification matter and not one of jurisdiction, effective January 1, 2007 the Connecticut Labor Department will enforce the rate on each schedule in accordance with our statutory authority.

Your cooperation in filing appropriate and accurate certified payrolls is appreciated.

STATUTE 31-55a

- SPECIAL NOTICE -

To: All State and Political Subdivisions, Their Agents, and Contractors

Connecticut General Statute 31-55a - Annual adjustments to wage rates by contractors doing state work.

Each contractor that is awarded a contract on or after October 1, 2002, for (1) the construction of a state highway or bridge that falls under the provisions of section 31-54 of the general statutes, or (2) the construction, remodeling, refinishing, refurbishing, rehabilitation, alteration or repair of any public works project that falls under the provisions of section 31-53 of the general statutes shall contact the Labor Commissioner on or before July first of each year, for the duration of such contract, to ascertain the prevailing rate of wages on an hourly basis and the amount of payment or contributions paid or payable on behalf of each mechanic, laborer or worker employed upon the work contracted to be done, and shall make any necessary adjustments to such prevailing rate of wages and such payment or contributions paid or payable on behalf of each such employee, effective each July first.

- The prevailing wage rates applicable to any contract or subcontract awarded on or after October 1, 2002 are subject to annual adjustments each July 1st for the duration of any project which was originally advertised for bids on or after October 1, 2002.
- Each contractor affected by the above requirement shall pay the annual adjusted prevailing wage rate that is in effect each July 1st, as posted by the Department of Labor.
- It is the **contractor's** responsibility to obtain the annual adjusted prevailing wage rate increases directly from the Department of Labor's Web Site. The annual adjustments will be posted on the Department of Labor Web page: www.ctdol.state.ct.us. For those without internet access, please contact the division listed below.
- The Department of Labor will continue to issue the initial prevailing wage rate schedule to the Contracting Agency for the project. All subsequent annual adjustments will be posted on our Web Site for contractor access.

Any questions should be directed to the Contract Compliance Unit, Wage and Workplace Standards Division, Connecticut Department of Labor, 200 Folly Brook Blvd., Wethersfield, CT 06109 at (860)263-6790.

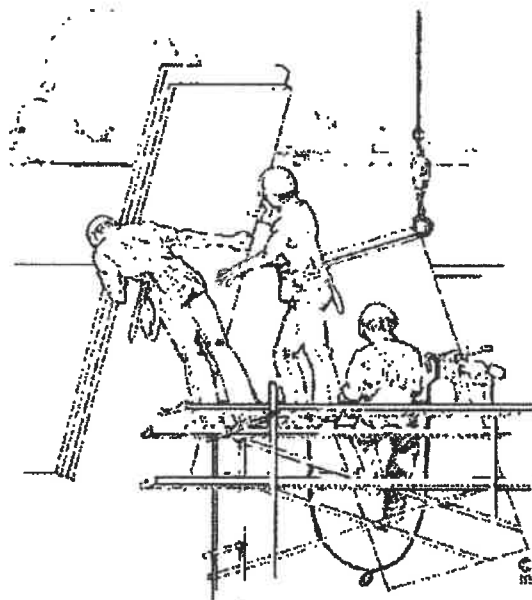
~NOTICE~

TO ALL CONTRACTING AGENCIES

Please be advised that Connecticut General Statutes Section 31-53, requires the contracting agency to certify to the Department of Labor, the total dollar amount of work to be done in connection with such public works project, regardless of whether such project consists of one or more contracts.

Please find the attached "Contracting Agency Certification Form" to be completed and returned to the Department of Labor, Wage and Workplace Standards Division, Public Contract Compliance Unit.

 Inquiries can be directed to (860)263-6543.



CONNECTICUT DEPARTMENT OF LABOR
WAGE AND WORKPLACE STANDARDS DIVISION
CONTRACT COMPLIANCE UNIT

CONTRACTING AGENCY CERTIFICATION FORM

I, _____, acting in my official capacity as _____,
authorized representative title

for _____, located at _____,
contracting agency address

do hereby certify that the total dollar amount of work to be done in connection with

_____, located at _____,
project name and number address

shall be \$ _____, which includes all work, regardless of whether such project
consists of one or more contracts.

CONTRACTOR INFORMATION

Name: _____

Address: _____

Authorized Representative: _____

Approximate Starting Date: _____

Approximate Completion Date: _____

Signature

Date

Return To: Connecticut Department of Labor
Wage & Workplace Standards Division
Contract Compliance Unit
200 Folly Brook Blvd.
Wethersfield, CT 06109

Date Issued: _____

CONNECTICUT DEPARTMENT OF LABOR
WAGE AND WORKPLACE STANDARDS DIVISION

CONTRACTORS WAGE CERTIFICATION FORM
Construction Manager at Risk/General Contractor/Prime Contractor

I, _____ of _____
Officer, Owner, Authorized Rep. Company Name

do hereby certify that the _____
Company Name

Street

City

and all of its subcontractors will pay all workers on the

Project Name and Number

Street and City

the wages as listed in the schedule of prevailing rates required for such project (a copy of which is attached hereto).

Signed

Subscribed and sworn to before me this _____ day of _____,

Notary Public

Return to:

Connecticut Department of Labor
Wage & Workplace Standards Division
200 Folly Brook Blvd.
Wethersfield, CT 06109

Rate Schedule Issued (Date): _____

***FRINGE BENEFITS EXPLANATION (P):**

Bona fide benefits paid to approved plans, funds or programs, except those required by Federal or State Law (unemployment tax, worker's compensation, income taxes, etc.).

Please specify the type of benefits provided:

- 1) Medical or hospital care _____ 4) Disability _____
2) Pension or retirement _____ 5) Vacation, holiday _____
3) Life Insurance _____ 6) Other (please specify) _____

CERTIFIED STATEMENT OF COMPLIANCE

For the week ending date of _____,

I, _____ of _____, (hereafter known as Employer) in my capacity as _____ (title) do hereby certify and state:

Section A:

1. All persons employed on said project have been paid the full weekly wages earned by them during the week in accordance with Connecticut General Statutes, section 31-53, as amended. Further, I hereby certify and state the following:

- a) The records submitted are true and accurate;
- b) The rate of wages paid to each mechanic, laborer or workman and the amount of payment or contributions paid or payable on behalf of each such person to any employee welfare fund, as defined in Connecticut General Statutes, section 31-53 (h), are not less than the prevailing rate of wages and the amount of payment or contributions paid or payable on behalf of each such person to any employee welfare fund, as determined by the Labor Commissioner pursuant to subsection Connecticut General Statutes, section 31-53 (d), and said wages and benefits are not less than those which may also be required by contract;
- c) The Employer has complied with all of the provisions in Connecticut General Statutes, section 31-53 (and Section 31-54 if applicable for state highway construction);
- d) Each such person is covered by a worker's compensation insurance policy for the duration of his employment which proof of coverage has been provided to the contracting agency;
- e) The Employer does not receive kickbacks, which means any money, fee, commission, credit, gift, gratuity, thing of value, or compensation of any kind which is provided directly or indirectly, to any prime contractor, prime contractor employee, subcontractor, or subcontractor employee for the purpose of improperly obtaining or rewarding favorable treatment in connection with a prime contract or in connection with a prime contractor in connection with a subcontractor relating to a prime contractor; and
- f) The Employer is aware that filing a certified payroll which he knows to be false is a class D felony for which the employer may be fined up to five thousand dollars, imprisoned for up to five years or both.

2. OSHA~The employer shall affix a copy of the construction safety course, program or training completion document to the certified payroll required to be submitted to the contracting agency for this project on which such persons name first appears.

(Signature) (Title) Submitted on (Date)

*****THIS IS A PUBLIC DOCUMENT***
DO NOT INCLUDE SOCIAL SECURITY NUMBERS**

***FRINGE BENEFITS EXPLANATION (F):**

Bona fide benefits paid to approved plans, funds or programs, except those required by Federal or State Law (unemployment tax, worker's compensation, income taxes, etc.).

Please specify the type of benefits provided:

- 1) Medical or hospital care Blue Cross 4) Disability _____
- 2) Pension or retirement _____ 5) Vacation, holiday _____
- 3) Life Insurance Utopia 6) Other (please specify) _____

CERTIFIED STATEMENT OF COMPLIANCE

For the week ending date of 9/26/09

I, Robert Craft of XYZ Corporation (hereafter known as Employer) in my capacity as Owner (title) do hereby certify and state:

Section A:

- 1. All persons employed on said project have been paid the full weekly wages earned by them during the week in accordance with Connecticut General Statutes, section 31-53, as amended. Further, I hereby certify and state the following:
 - a) The records submitted are true and accurate;
 - b) The rate of wages paid to each mechanic, laborer or workman and the amount of payment or contributions paid or payable on behalf of each such employee to any employee welfare fund, as defined in Connecticut General Statutes, section 31-53 (h), are not less than the prevailing rate of wages and the amount of payment or contributions paid or payable on behalf of each such employee to any employee welfare fund, as determined by the Labor Commissioner pursuant to subsection Connecticut General Statutes, section 31-53 (d), and said wages and benefits are not less than those which may also be required by contract;
 - c) The Employer has complied with all of the provisions in Connecticut General Statutes, section 31-53 (and Section 31-54 if applicable for state highway construction);
 - d) Each such employee of the Employer is covered by a worker's compensation insurance policy for the duration of his employment which proof of coverage has been provided to the contracting agency;
 - e) The Employer does not receive kickbacks, which means any money, fee, commission, credit, gift, gratuity, thing of value, or compensation of any kind which is provided directly or indirectly, to any prime contractor, prime contractor employee, subcontractor, or subcontractor employee for the purpose of improperly obtaining or rewarding favorable treatment in connection with a prime contract or in connection with a prime contractor in connection with a subcontractor relating to a prime contractor; and
 - f) The Employer is aware that filing a certified payroll which he knows to be false is a class D felony for which the employer may be fined up to five thousand dollars, imprisoned for up to five years or both.

2. OSHA--The employer shall affix a copy of the construction safety course, program or training completion document to the certified payroll required to be submitted to the contracting agency for this project on which such employee's name first appears.

Robert Craft owner 10/2/09
(Signature) (Title) Submitted on (Date)

Section B: Applies to CONNDOT Projects ONLY

That pursuant to CONNDOT contract requirements for reporting purposes only, all employees listed under Section B who performed work on this project are not covered under the prevailing wage requirements defined in Connecticut General Statutes Section 31-53.

Robert Craft owner 10/2/09
(Signature) (Title) Submitted on (Date)

Note: CTDOL will assume all hours worked were performed under Section A unless clearly delineated as Section B WWS-CP1 as such. Should an employee perform work under both Section A and Section B, the hours worked and wages paid must be segregated for reporting purposes.

THIS IS A PUBLIC DOCUMENT
DO NOT INCLUDE SOCIAL SECURITY NUMBERS



2685 State Street
Hamden, CT 06517
Phone: (203) 288-1281
Fax: (203) 248-4409

June 8, 2018

FSS PN: 26618

Orange Board of Education
Attn: Mr. Michael Luzzi
637 Orange Center Rd.
Orange, CT 06477

**RE: Specifications: PCB Abatement
Turkey Hill School
Orange, CT 06354**

Dear Mr. Luzzi:

Enclosed please find the revised Specification for PCB Abatement and associated work to support the removal of PCB containing materials from designated areas of the Turkey Hill School in Orange, Connecticut. This Specification has been prepared to satisfy the requirements of standards for PCB abatement in the State of Connecticut. This specification does not include the removal and/or disposal of any other hazardous materials that may be present at the facility. The revisions made to the May 18, 2018 specification reflect a modification in design by Rose-Tiso & Co. LLC. to include two additional areas where interior window segments containing PCB caulking are to be abated in order to construct ADA compliant door systems. An additional drawing, specifying the areas, is included as an attachment (two new areas are circled in red).

If you have any questions regarding these Specifications, please contact the undersigned at our Hamden, CT office at (203) 288-1281. Thank you for this opportunity to have served your environmental needs.

Sincerely,

Facility Support Services, LLC (FSS)

A handwritten signature in black ink, appearing to read "Michael DiFabio", is written over a faint, illegible printed name.

Michael DiFabio
HBM Project Manager
CTDPH Project Designer #000329

Enclosure

**CONNECTICUT STATE PROJ. NO. 107-0048
ADA COMPLIANCE IMPROVEMENTS
PCB MATERIALS ABATEMENT SPECIFICATIONS**

**Turkey Hill Elementary School
441 Turkey Hill Rd
Orange, Connecticut**

Prepared For:

Orange Board of Education
637 Orange Center Road
Orange, Connecticut 06477

Prepared By:



2685 State Street
Hamden, Connecticut 06517



**Michael DiFabio
HBM Project Manger**

**May 18, 2018
Revised June 8, 2018**

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ATTACHMENTS

- Attachment 1: PCB Inspection Report
- Attachment 2: Architectural Drawings

PCB REMEDIATION TECHNICAL SPECIFICATIONS

1 PART 1 – GENERAL

As referred to in these Specifications the Project Owner is Orange Board of Education, the Project Architect is Rose-Tiso & Co., LLC., and the Project Consultant is Facility Support services, LLC (FSS).

1.1 RELATED DOCUMENTS

- A. Reference is made to the PCB Inspection & Bulk Sampling of Roofing Materials Report prepared by Facility Support Services, LLC dated May 17, 2018, included in Attachment 1.
- B. Window segment locations depicted on Rose-Tiso & Co. LLC drawings dated April 20, 2018, included in Attachment 2.

1.2 GENERAL REQUIREMENTS

- A. The Remediation Contractor shall furnish all labor, materials, facilities, equipment, installation services, employee training, notifications, permits, licenses, certifications, agreements and incidentals necessary to perform the specified work. Work shall be performed in accordance with the contract documents, the latest regulations from the Occupational Safety and Health Administration (OSHA), the United States Environmental Protection Agency (USEPA), and all other applicable federal, state and local agencies. Whenever the requirements of the above references conflict or overlap, the more stringent provision shall apply.
- B. Under no circumstances shall children (less than 18 years of age) be allowed in the site building during abatement procedures. Implementation of this requirement will be coordinated by the Owner.
- C. All project personnel engaged in the work covered under this section shall be trained in accordance with OSHA Regulations 29 CFR 1910.1000 and 29 CFR 1910.1200.
- D. The Remediation Contractor shall provide a Project Health and Safety Officer having a minimum of eight (8) hours of supervisor training in hazardous waste site operations in accordance with the requirements of 29 CFR 1910. The supervisor must be on site at all times during abatement work.
- E. This section specifies the procedures for removal and disposal of existing materials containing polychlorinated biphenyls (PCB), less than (<) 50 parts per million (mg/kg), in the form of window pane caulking associated with the removal of interior hallway window sections.

- F. The quantities given in these specifications are provided to establish the order of magnitude of the abatement project. Actual quantities may vary. The Contractor is responsible for verification of all quantities of PCB containing materials scheduled for removal. This verification shall include a Pre-Bid/Pre-Abatement meeting to include an on-site walk-through inspection of the work area and review of PCB abatement requirements.
- G. The Remediation Contractor shall disclose to all of his workers, supervisory personnel, subcontractors and consultants who will be at job site of the seriousness of the hazard of working with PCB-containing materials and of proper work procedures which must be followed.
- H. Where in the performance of the work, workers, supervisory personnel, subcontractors, or consultants may encounter, disturb or otherwise function in the immediate vicinity of PCB containing materials, appropriate, continuous measures as necessary to protect all workers from the hazard of exposure shall be taken. Such measures shall include the procedures and methods described herein, regulations of the U.S. Occupational Safety & Health Administration (OSHA), U.S. Environmental Protection Agency (USEPA), and local requirements as applicable.

1.3 PROJECT WORK SCOPE/WORK STATEMENT

The project site consists of six (6) segments of interior window units between main hallways and classrooms (Rms: 102, 104, 107, 203, 406, 407) of Turkey Hill Elementary School, located in the Town of Orange at 441 Turkey Hill Road. Exact locations are depicted on Rose-Tiso & co. LLC Architectural drawings located in Attachment 2 of this specification. The proposed removal and disposal activities to be performed by Remediation Contractor shall include the following:

1. Pre-Abatement Meeting
2. Site preparation and controls to facilitate remediation of PCBs.
3. Health and Safety compliance in accordance with Occupational Safety and Health Administration (OSHA) requirements.
4. < 50 mg/kg PCB Product Removal.
5. Visual inspection of Project Consultant
6. Site Restoration and Demobilization

Work Statement

< 50 mg/kg (Connecticut Regulated Materials*) PCB Bulk Product Waste Removal

- PCB-01 Remove existing interior window and window framing components containing caulking at architect specified locations for disposal as < 50 mg/kg

PCB Product Waste. Window panes and aluminum framing shall be removed using hand tools to minimize the generation of dust.

* Connecticut Regulated Materials/Waste

Connecticut General Statutes including but limited to C. G. S, Sections 22a-463 through 22a-469 regulate caulking or other building materials containing PCBs < 50 mg/kg but ≥ 1 mg/kg. These materials include window caulking that were used in the original portion of the subject structure and meet the definition of "excluded products" as defined in 40 CFR part 761.3. According to Orange Board of Education these products were manufactured prior to 1978 and installed during the original construction (1964), and the PCB concentration detected are not the result of dilution. These materials, which possess concentrations of PCB ≥ 1 mg/kg but less than 50 mg/kg, will be removed and disposed of as < 50 mg/kg Connecticut Regulated PCB Contaminated Waste.

1.4 CONTRACTOR QUALIFICATIONS

- A. The Contractor selected must appear on the approved list of Asbestos Abatement Contractors on file at the State of Connecticut Department of Public Health (CTDPH). Only State-certified asbestos abatement supervisors and workers shall perform PCB abatement work activities.
- B. The Contractor must utilize only individuals that have obtained 40-Hour Hazardous Waste Operations & Emergency Response training to perform this work in addition to all other required training outlined in these specifications.
- C. The Contractor shall obtain and pay for all required permits, and prepare and file all original and amended local, state, and EPA pre-notification forms immediately following award of the work.

1.5 CLOSEOUT AND PUNCH LIST

- A. The Contractor shall carefully check his/her own work and that of any Subcontractor as the work is being performed. Unsatisfactory work shall be corrected immediately.
- B. When the Contractor determines that he is substantially complete, that is, has less than five percent of his Contract remaining to be completed, he shall prepare for submission to the Consultant, a list of items to be completed or corrected. The failure to include any items on such list does not alter the responsibility of the Contractor to complete all work in accordance with the Contract Documents.
- C. All inspections and sampling required for PCB abatement compliance will be performed by the Consultant.

1.6 ADDITIONAL GENERAL REQUIREMENTS

- A. The Abatement Contractor shall employ an English-speaking competent Supervisor with at least three (3) years experience on projects of similar scope and magnitude who shall be responsible for all work involving PCB abatement as described in the Specifications and defined in the applicable regulations, and have full-time daily supervision of the same. The Supervisor shall be the "Competent Person" as defined by OSHA regulations. The Contractor shall provide, on-site, at least one English-speaking foreman at all times when work is in progress. The supervisor and foreman must be thoroughly experienced in PCB-containing materials removal work, knowledgeable of all applicable federal, state, and local regulations and capable of skillfully executing all work promptly, efficiently and in compliance with all requirements of these specifications. The Owner reserves the right to have any supervisory or foreman personnel removed from the project if they do not demonstrate the requisite qualifications.
- B. The Contractor shall allow work performed under this contract to be inspected, if required, by local, state, federal, and any other authorities having jurisdiction over such work. The Contractor shall immediately notify the Owner and Consultant and shall maintain written evidence of such inspection for review by the Owner and Consultant.
- C. The Contractor shall incur the cost of all fines resulting from regulatory non-compliance as issued by federal, state, and local agencies. The Contractor shall incur the cost of all work requirements mandated by federal, state, and local agencies as a result of regulatory non-compliance or negligence.

1.7 REFERENCES

Publications provided by the following references shall be part of this specification to the extent referenced. Where a conflict or overlap among regulations and/or these specifications exist, the most stringent requirements shall apply.

1. American National Standards Institute (ANSI)
2. Code of Federal Regulations (CFR)
3. National Institute for Occupational Safety and Health (NIOSH)
4. U.S. Environmental Protection Agency (USEPA), Toxic Substances Control Act (TSCA)
5. Center for Disease Control (CDC): Air Pollution and Respiratory Health.
6. Connecticut General Statutes C. G. S, Sections 22a-463 through 22a-469 regulating – Polychlorinated Biphenyls

1.8 SUBMITTALS

- A. The following documents shall be submitted within 10 business days of project award to the Consultant prior to commencement of PCB Removal work:
1. Site Specific Health and Safety Plan (HASP): The Remediation Contractor shall prepare a site-specific HASP plan for protection of workers and control of the work site in accordance with OSHA regulatory requirements. The HASP shall govern all work conducted at the site during the abatement of PCB Containing Materials and related debris; waste handling, sampling, waste management; and waste transportation. At a minimum, the HASP shall address the requirements set forth in 29 CFR 1910.120.
 2. Training Documentation: Documentation of OSHA 40-Hour HAZWOPER Training for all employees and subcontractors to be used for the abatement work, and 8-Hour HAZWOPER Supervisor Training for the designated on-site Health and Safety Officer for the abatement work.
 3. PCB and or other Toxic or Hazardous Substances Disposal Plan: A written plan that details the Remediation Contractor's plan for transportation and disposal of PCB-containing or other Toxic or Hazardous Substance wastes generated during the project.
 4. Material Safety Data Sheets: Material Safety Data Sheets (OSHA Form 174 or equivalent) and manufacturer's information shall be provided for all chemicals and materials to be used during the project including but not limited to specialty cleaners and chemical stripping products.
- B. The following documents shall be submitted to the Consultant within fifteen (15) work days following removal of waste from the site:
1. Waste Profile Sheets
 2. Pre-Disposal Analysis Test Results (if required by disposal facility)
 3. Manifests signed by the disposal facility
 4. Tipping Receipts provided by the disposal facility
 5. Certification of Final Treatment/Disposal signed by the responsible disposal facility official.
 6. Disposal Site Receipts: Copy of waste shipment record and disposal site receipt showing the PCB-containing or other Toxic/Hazardous Substances materials have been properly

disposed must be provided to the Project Consultant within 5 business days of disposal.

- C. **Product Data:** Catalog sheets, specifications, and application instructions for any removal products, if used.

1.9 POSTING AND RECORD MAINTENANCE REQUIREMENTS

- A. The following items shall be conspicuously displayed proximate but outside of abatement work areas. All signage must be reviewed and approved by the Owner prior to posting.
 - 1. **Exit Routes** -Emergency exit procedures and routes
 - 2. **Emergency Phone Numbers** - A list indicating the telephone numbers and locations of the local hospital(s); the local emergency squad; the local fire department; the local police department; the Poison Control Center; Chemical Emergency Advise (CHEMTREC); the local Department of Health's local office; the Remediation Contractor (on-site and after-hours numbers); and the environmental consultant (on-site and after-hours numbers).
 - 3. **Warning Signs** - Warning signs shall be in English and the language of any workers onsite who do not speak English, and be of sufficient size to be clearly legible and display the following or similar language in accordance with 29 CFR 1910.1200:

**WARNING
REGULATED WASTE WORK AREA
NO SMOKING, EATING OR DRINKING
AUTHORIZED PERSONNEL ONLY
PROTECTIVE CLOTHING IS REQUIRED IN THIS AREA**

- B. The Remediation Contractor shall maintain the following items on-site and available for review by all employees and authorized visitors:
 - 1. Remediation Contractor's Project Specific Health and Safety Plan
 - 2. Certificates of Training for all employees and the project Supervisor
 - 3. Codes, Standards and Publications
 - 4. Material Safety Data Sheets (MSDS) for all chemicals used during the project.
 - 5. Copies of the Remediation Contractor's written hazard communication, respiratory protection, and confined space entry programs.

1.10 QUALITY ASSURANCE

- A. **Worker's Qualifications:** The persons performing PCB abatement and their supervisors shall be personally experienced in PCB abatement work and

shall have been regularly employed by a company performing hazardous materials abatement for a minimum of 2 years.

- B. Pre-Abatement Conference: Before the Work of this Section is scheduled to commence, a meeting will be held by the Owner at the Site for the purpose of reviewing the Contract Documents, discussing requirements for the Work, and reviewing the Work procedures. The conference shall be attended by the Remediation Contractor, and the Owner's Authorized Representatives employed by the Owner.

1.11 REQUIREMENTS FOR WORKER HEALTH AND SAFETY

- A. The Remediation Contractor is responsible and liable for the health and safety of all onsite personnel and the offsite community affected by the project. All onsite workers or other persons entering the abatement work areas, decontamination areas or waste handling and staging areas shall be knowledgeable of and comply with the requirements of the site-specific Health and Safety Plan (HASP) at all times. The Remediation Contractor's HASP shall comply with all applicable federal, state and local regulations protecting human health and the environment from the hazards posed by the work to be performed under this project.
- B. Any discrepancies between the Remediation Contractor's HASP and these specifications or federal and state regulations shall be resolved in favor of the more stringent requirements that provide the highest degree of protection to the project personnel and the surrounding community and environment
- C. In addition to exposure concerns relating to the presence of PCB's, other health and safety considerations will apply to the work. The Remediation Contractor shall be responsible for recognizing such hazards and shall be responsible for the health and safety of Remediation Contractor employees at all times. It is the Remediation Contractor's responsibility to comply with all applicable health and safety regulations.
- D. The HASP shall be reviewed by all persons prior to entry into the abatement, decontamination, or waste staging areas, whether a representative of the Remediation Contractor, owner, architect/engineer, environmental consultant, subcontractor(s), waste transporter or federal, state or local regulatory agency. Such review shall be acknowledged and documented by the Remediation Contractor's Health and Safety Officer by obtaining the name, signature and affiliation of all persons reviewing the HASP.
- E. The HASP shall be maintained so as to be readily accessible and reviewable by all site personnel throughout the duration of the abatement project and until all waste materials are removed from the site and disposed of at the appropriate disposal facility.

- F. The Remediation Contractor's on-site Health and Safety Officer shall be responsible for ensuring that project personnel and site visitors are informed of and comply with the provisions of the HASP at all times during the project.

1.12 WORK AREAS AND ZONES

The Remediation Contractor shall lay-out and clearly identify work areas in the field. Work areas shall consist of an abatement zone, a decontamination zone, and support zone.

1.13 PERSONNEL PROTECTIVE EQUIPMENT

- A. The Remediation Contractor shall be responsible to determine and provide the appropriate level of personal protective equipment in accordance with applicable regulations and standards necessary to protect the Remediation Contractor's employees from all hazards present.
- B. The Remediation Contractor shall provide all employees with the appropriate safety equipment and protective clothing to ensure an appropriate level of protection for each task, taking into consideration the chemical, physical, ergonomic and biological hazards posed by the site and work activities.
- C. The Remediation Contractor shall establish in the HASP criteria for the selection and use of personal protective equipment (PPE).
- D. The PPE to be utilized for the project shall be selected based upon the potential hazards associated with the project site and the work to be performed. Appropriate protective clothing shall be worn at all times within the Abatement Zone.
- E. The Remediation Contractor shall provide the appropriate level of respiratory protection to all field personnel engaged in activities where respiratory hazards exist or there is a potential for such hazard to exit.
- F. The Remediation Contractor shall provide, as necessary, protective coveralls, disposable gloves and other protective clothing for all personnel that will be actively involved in abatement activities or waste handling activities or otherwise present in the Abatement Zones. Coveralls shall be of Tyvek® or equivalent material. Should the potential for exposure to liquids exist, splash resistant disposable suits shall be provided and utilized.
- G. Protective coveralls, and other protective clothing shall be donned and removed within the Decontamination Zone and shall be disposed of at the end of each day. Ripped coveralls shall be immediately replaced after appropriate decontamination has been completed to the satisfaction of the

Health and Safety Officer. Protective clothing shall not be worn outside of the Decontamination Zone.

- H. Hard Hats, protective eyewear, rubber boots and or other non-skid footwear shall be provided by the Remediation Contractor as required for workers and authorized visitors.
- I. All contaminated protective clothing, respirator cartridges and disposable protective items shall be placed into proper containers to be provided by the Remediation Contractor for transport and proper disposal in accordance with 40 CFR 262 and 40 CFR § 761.61(a)(5).

1.14 EMERGENCY EQUIPMENT AND FIRST AID REQUIREMENTS

- A. The Remediation Contractor shall provide and maintain at the site, at a minimum, the following Emergency and First Aid Equipment:
 - 1. Fire Extinguishers: A minimum one (1) fire extinguisher shall be supplied and maintained at the site by the Remediation Contractor throughout the duration of the project. Each extinguisher shall be a minimum of a 20 pound Class ABC dry fire extinguisher with Underwriters Laboratory approval per 29 CFR 1910.157.
 - 2. First Aid Kit: A minimum of one (1) first aid kit meeting the requirements of 29 CFR 1910,151 shall be supplied and maintained at the site by the Remediation Contractor throughout the duration of the project.
 - 3. Communications: Telephone communications (either cellular or land line) shall be provided by the Remediation Contractor for use by site personnel at all times during the project.
- B. The Health and Safety Officer shall be notified immediately in the event of personal injury, potential exposure to contaminants, or other emergency. The Health and Safety Officer shall then immediately notify the Consultant.

1.15 STANDARD H&S PROCEDURES AND ENGINEERING CONTROLS

- A. The following provisions shall be employed to promote overall safety, personnel hygiene and personnel decontamination:
 - 1. All prescription eyeglasses in use on this project shall be safety glasses conforming to ANSI Standard Z87.1. No contact lenses shall be allowed on the site.
 - 2. All PPE used on site shall be decontaminated or disposed of at the end of each work day. Discarded PPE shall be placed in sealed DOT approved container for off-site disposal.

3. Respirators, if necessary due to an upgrade to Level C PPE, shall be dedicated to each employee, and not interchanged between workers without cleaning and sanitizing.
 4. Eating, drinking, chewing gum or tobacco, smoking, and any other practice that increases the likelihood of hand to mouth contact shall be prohibited within the delineated abatement and decontamination work zones. Prior to performing these activities, each employee shall thoroughly cleanse their face, hands, arms and other exposed areas.
 5. All personnel shall thoroughly cleanse their face hands, arms and other exposed areas prior to using toilet facilities.
 6. No alcohol, tobacco, illicit drugs or firearms will be allowed on the site at any time.
 7. Contact with potentially contaminated surfaces should be avoided, if possible. Field personnel should minimize walking through standing water/puddles, mud or other wet or discolored surfaces; kneeling on ground; and placing equipment, materials or food on ground or other potentially contaminated surface.
 8. The use of the "Buddy System" shall be employed at all times while conducting work at the site. Each employee shall frequently monitor other workers for signs of heat stress or chemical exposure or fatigue; periodically examine others PPE for signs of wear or damage; routinely communicate with others; and notify the Health and Safety Officer in the case of an emergency.
- B. Worker's must wear protective suits, protective gloves and eye protection. Respiratory protection shall be in accordance with OSHA regulation 1910.134 and ANSI Z88.2.
- C. Any worker who dons a respirator must be trained as per OSHA and USEPA requirements, have medical clearance and must have recently received pulmonary function test (PFT) and respirator fit tested by a trained professional.
1. A personal air sampling program shall be in place as required by OSHA.
 2. The use of respirators must also follow a complete respiratory protection program as specified by OSHA.

2.0 PART 2 – PRODUCTS

2.1 ABATEMENT PRODUCTS

- A. Disposal Drums; Metal or fiberboard with locking ring tops, with warning labels as required by OSHA, and/or EPA.

- B. Respirators: Type: Approved by the Mine Safety and Health Administration (MSHA), Department of Labor, or the National Institute for Occupational Safety and Health (NIOSH), Department of Health and Human Services.
- C. Vacuum Cleaners: Type: Vacuums equipped with HEPA filters.
- D. Polyethylene Sheeting: Type: Minimum 6 mil., opaque, fire retardant polyethylene sheets.
- E. Cleaning Products: Remediation Contractor, where required for PCB extraction, shall use utilize specialty cleaning products such as Capsur, TechXtract or other cleaners for use in decontaminating porous and non-porous surfaces to remain. All such products shall be utilized in accordance with manufacturer's specifications as intended. Remediation Contractor shall ensure appropriate use and disposal associated with use in accordance with the MSDS sheets for each product utilized. It shall be incumbent upon the Remediation Contractor to determine the need for use of specialty products to meet required cleaning verification levels established herein and in accordance with the Work Plan.

2.2 PERSONNEL PROTECTION

- A. Safety equipment (e.g., hard hats meeting the requirements of ANSI Standard Z89.1-1981, eye protection meeting the requirements of ANSI Standard Z87.1-1979, safety shoes meeting the requirements of ANSI Standard Z41.1-1967, disposable PVC gloves or other work gloves), shall be provided to all workers and authorized visitors.
- B. Non-skid footwear shall be provided to all abatement workers. Disposable clothing shall be adequately sealed to the footwear to prevent body contamination.

3.0 PART 3 - EXECUTION

3.1 WORK AREA PROTECTION – ABATEMENT ZONE

- A. Protection of Existing Construction: Perform PCB Bulk Product Waste removal work without damage or contamination of adjacent areas, soil and existing construction.
- B. Under no circumstances shall children (less than 18 years of age) be allowed in the site building during abatement procedures.
- C. During all remediation activities, Remediation Contractor shall maintain control of all entrances and exits to the project site to ensure only authorized personnel enter the work areas and are afforded proper personal protective equipment and

as required respiratory protection. All approaches to work areas shall be demarcated with appropriately worded warning signs.

- D. Work zones shall be established in accordance with this section to include abatement zone, decontamination zone and support zone.
- E. All openings to the specified classroom interiors including, but not limited to, unit ventilation, ducts, grilles, doors, and windows shall be securely sealed with a single layer of 6-mil polyethylene sheeting from the building exterior.
- F. All debris generated during operations shall be HEPA vacuumed continuously throughout the work shift and at the end of a work shift to avoid accumulation. Any tears or rips that occur in protections shall be repaired or removed and replaced with new protections.
- G. Warning Signage: Post warning signs in accordance with 29 CFR 1910.1200 at all approaches to the work area. Signs shall be conspicuously posted to permit a person to read signs and take precautionary measures to avoid exposure to PCBs or other Toxic or Hazardous Substances. These signs should include the PCB M_L markers at each entrance to the work area.
- H. Waste Containers for PCB Bulk Product Waste: Appropriate waste containers shall be placed adjacent to abatement zones. Containers shall be lined covered and secured.

3.2 DECONTAMINATION ZONE

- A. The Remediation Contractor shall establish contiguous to the work area, a decontamination area consisting of washing facilities. The only access between contaminated and uncontaminated areas shall be through this decontamination area. The Remediation Contractor shall ensure that employees enter and exit the Abatement Zone through the decontamination area.
- B. Equipment room: The equipment room shall be supplied with impermeable, labeled bags and containers for the containment and disposal of contaminated protective equipment.
- C. Decontamination area entry procedures: The Remediation Contractor shall ensure that all workers follow proper decontamination procedures for entry into a Regulated Work area including but not limited to the following:
 - 1. Enter the decontamination area through the clean area.
 - 2. Remove and deposit street clothing within storage provided for their use.
 - 3. Don protective clothing and respiratory protection before leaving the clean room.

4. Before entering the Abatement Zone, the Remediation Contractor shall ensure that workers pass through the equipment room.

D. Decontamination area exit procedures: The Remediation Contractor shall ensure that all workers follow proper decontamination procedures for exit from a Regulated Work area including but not limited to the following:

1. Before leaving the regulated area, workers shall remove all gross contamination and debris from their protective clothing.
2. Workers shall remove their protective clothing in the equipment room and deposit the clothing in labeled impermeable bags or containers.
3. Workers shall shower prior to entering the clean room.
4. After showering, workers shall enter the clean room before changing into street clothes.
5. All equipment and surfaces of containers filled with PCB waste must be cleaned prior to removing them from the equipment room or area.

3.3 < 50 mg/kg PCB BULK PRODUCT WASTE MATERIAL

- A. <50 mg/kg PCB Contaminated Waste Materials including interior window and window framing segment components containing caulking shall be handled and removed from specified locations (Attachment 2) for proper disposal.
- B. Materials shall be removed in a manner which does not breakdown the caulking into fine dust or powder to the extent feasible. Equipment and tools to be utilized shall include hand tools only to remove materials from adjacent substrates.
- C. Any dry or brittle materials or other PCB Contaminated waste shall be removed with additional engineering controls such as use of a HEPA vacuum to remove accumulated dust or debris during removal.
- D. Sequence of removal shall follow the following general requirements:
 1. Interior window and window framing containing PCB caulking shall be removed from various locations and properly containerized for disposal as < 50/mg/kg, Connecticut Regulated, PCB Contaminated Waste in accordance with C. G. S, Sections 22a-463 through 22a-469.
- E. Waste shall be immediately placed in disposal containers. The containers shall not be emptied into other containers to avoid dispersal of dust or fugitive emissions.
- F. The use of minimal but sufficient quantities of water to wet the proposed abatement material may be utilized if other engineering controls are deemed inadequate. Under no circumstances shall the PCB waste show evidence of free liquid water, pooling or ponding within the waste stream. Any liquid used to wet the dust and debris to control fugitive emissions shall be properly containerized

and decontaminated in accordance with C. G. S, Sections 22a-463 through 22a-469.

- G. < 50 mg/kg PCB Bulk Product Waste shall be stored for disposal in accordance with C. G. S, Sections 22a-463 through 22a-469 regulate caulking or other building materials containing PCBs <50 mg/kg but \geq 1 mg/kg. The facility proposed for disposal shall be permitted to accept waste with PCB <50 mg/kg.
- H. All waste containers shall be appropriately labeled in accordance with C. G. S, Sections 22a-463 through 22a-469 regulating caulking or other building materials containing PCBs <50 mg/kg but > 1 mg/kg.

3.4 CLEANING AND DECONTAMINATION

- A. The Remediation Contractor shall be responsible for complete cleaning and decontamination of the Abatement Zone upon completion of work. The Abatement Zone will be required to meet a final visual clearance conducted by the Consultant.
- B. The Remediation Contractor shall utilize HEPA vacuum and wet cleaning products to remove all visible dust and debris from all surfaces within the work area. If specialty products are utilized the Remediation Contractor shall utilize in accordance with manufacturer's specifications including any additional safety and disposal requirements for such use.
- C. Any liquid used to wet the dust and debris to control fugitive emissions shall be collected and decontaminated in accordance with C. G. S, Sections 22a-463 through 22a-469. No visible emissions from window segment component debris shall be allowed.
- D. All rags and other cleaning materials used to clean shall also be properly disposed as < 50 mg/kg PCB Contaminated Waste. All PCB Contaminated Waste shall be stored for disposal in accordance with C. G. S, Sections 22a-463 through 22a-469.
- E. Equipment to be utilized in connection with the removal of PCB Bulk Product Waste, including waste collection or that will or may come in direct contact with the site contaminants, shall be decontaminated prior to leaving the site to prevent migration of the contaminated residues from the project site.
- F. All non-disposable equipment and tools employed in the course of the project will be decontaminated at the conclusion of each work day through industry accepted practices for PCB contamination.
- G. If applicable, the wash water and decontamination liquids shall be captured and containerized in DOT approved 55-gallon drums for off-site disposal as < 50

mg/kg PCB contaminated waste in accordance with C. G. S, Sections 22a-463 through 22a-469.

3.5 POST ABATEMENT INSPECTION

- A. The Owner has retained an industrial hygiene firm (Owner's Consultant, Facility Support Services, LLC) to perform periodic inspections of the abatement, when applicable. Site visits shall be scheduled based on the progress of the work and at critical time periods.
- B. The Owner's Consultant may perform inspections for visible emissions of dust. Work may be stopped, and dust control measures applied at the direction of the Owner's Consultant.
- C. The Owner's Consultant shall perform post removal and decontamination visual clearance inspection as necessary to determine complete removal of PCB's. The Remediation Contractor shall allow 24 hours notification prior to this final inspection.
- D. Once the verification inspection has documented the Abatement Zone meets required criteria the Remediation Contractor shall be permitted to remove decontamination unit and critical barriers. These areas shall be subjected to a visual inspection to ensure no visible dust or debris is present.

3.6 ON-SITE WASTE MANAGEMENT

- A. All solid waste material, containment system components, used personnel protective equipment, and other solid wastes generated during the work, shall be placed directly in appropriate waste receptacles immediately upon removal from its in-situ position.
- B. The Remediation Contractor shall be responsible for all packaging, labeling, transport, disposal and record-keeping associated with PCB or PCB contaminated waste in accordance with all federal, state and local regulations.
- C. The Remediation Contractor shall ensure that the person transporting the waste holds a valid permit issued in accordance with appropriate federal, state, and local regulations.
- D. The Remediation Contractor shall provide to the transporter at the time of transfer appropriate shipping records or uniform waste manifests as required by the federal, state and local regulations with a copy to the Owner and Owner's Consultant.

- E. Remediation Contractor shall maintain proper follow up procedures to assure that waste materials have been received by the designated waste site in a timely manner and in accordance 761.61(a)(5)(v)(A) and with all other federal, state and local regulations.
- F. If reinforced lined waste boxes are to be utilized for waste containerization, the boxes shall be suitable, DOT-approved, sealed and free of corrosion, perforations, punctures, and/or other damage. All containers shall be securely covered and sealed at the conclusion of each work day.
- G. The waste containers shall remain staged at the site with a secure impermeable cover in place until the materials are transported from the site to be delivered to the designated disposal facility.
- H. Transporters of the waste are prohibited from "back hauling" any freight after the disposition of the Owner's waste stream until decontamination of the vehicle and/or trailer is assured.

END OF SECTION

Attachment 1
PCB Inspection Report



2685 State Street
Hamden, CT 06517
Phone: (203) 288-1281
Fax: (203) 248-4409

May 17, 2018

Town of Orange
Board of Education
637 Orange Center Road
Orange, Connecticut 06477
Attn: Michael Luzzi

**Re: ADA Compliance Improvements Project PCB Inspection and Sampling –
Turkey Hill School, 441 Turkey Hill Road, Orange, Connecticut (FSS #26618)**

Dear Mr. Luzzi,

At the request of the Orange Board of Education, Facility Support Services, LLC (FSS) conducted a limited scope Polychlorinated Biphenyl (PCB) inspection and bulk sampling on May 9, 2018 of suspect building materials that will be impacted during proposed ADA Compliance improvements to Turkey Hill School located at 441 Turkey Hill Road in Orange, Connecticut.

The inspection was limited to the materials associated with interior window units between classrooms and the hallways where interior improvements are planned.

Polychlorinated Biphenyls

The PCB inspection was performed following industry accepted work methodologies. One (1) bulk PCB sample was collected. The sampled material during the inspection is representative of all areas proposed for window removal associated renovations during this project. Due to the pre-ban construction age of the site building (1964), the caulking materials are suspect PCB containing and were collected in a non-destructive manner from:

- **Room 107 - Hallway Interior Window Pane Caulking**

Samples of building materials collected by FSS for PCBs were analyzed by Complete Environmental Testing (CET) of Stratford, CT. CET is a state-licensed laboratory (PH 0116).

See Attachment A for a copy of the laboratory analytical reports for the samples collected.

The laboratory results revealed the Hallway Interior Window Pane Caulking contained PCBs at a concentration of 2.5 mg/kg (parts per million), above the 1.0 ppm concentration regulatory minimum.

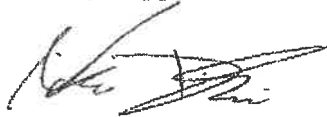
Please note that FSS has made reasonable effort to locate and identify all PCB containing materials associated with the ADA Compliance Improvements project. Any materials discovered

during renovation activities, which have not been included in this survey, previously sampled, or are known not to contain hazardous materials through credible documentation (SDS, manufacturer information, architectural information), must be presumed to contain hazardous materials until such time that bulk samples can be collected and analyzed.

FSS is pleased to assist you with this project. If you have any questions, or if we can be of further assistance, please contact the undersigned at (203) 288-1281.

Sincerely,

Facility Support Services, LLC



Michael DiFabio
HBM Project Manager

Attachments:
Analytical Results

Attachment A
Laboratory Analytical Results

80 Lupes Drive
Stratford, CT 06615



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

Client: Mr. Mike DiFabio
Facility Support Services
2685 State Street
Hamden, CT 06517

Analytical Report

CET# 8050308



Report Date: May 14, 2018
Project: Turkey Hill, Orange
Project Number: 26618

Connecticut Laboratory Certificate: PH 0116
Massachusetts laboratory Certificate: M-CT903



New York NELAP Accreditation: 11982
Rhode Island Certification: 199

CET # : 8050308

Project: Turkey Hill, Orange

Project Number: 26618

SAMPLE SUMMARY

The sample(s) were received at 21.6°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
PCB-01 Hall Window Pane Caulking	8050308-01	Caulk	5/09/2018 7:55	05/09/2018

Client Sample ID PCB-01 Hall Window Pane Caulking

Lab ID: 8050308-01

PCBs by Soxhlet

Method: EPA 8082A

Analyst: MPC

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	B8E0938	05/09/2018	05/11/2018 16:20	
PCB-1221	ND	0.40	4	EPA 3540C	B8E0938	05/09/2018	05/11/2018 16:20	
PCB-1232	ND	0.40	4	EPA 3540C	B8E0938	05/09/2018	05/11/2018 16:20	
PCB-1242	ND	0.40	4	EPA 3540C	B8E0938	05/09/2018	05/11/2018 16:20	
PCB-1248	ND	0.40	4	EPA 3540C	B8E0938	05/09/2018	05/11/2018 16:20	
PCB-1254	2.5	0.40	4	EPA 3540C	B8E0938	05/09/2018	05/11/2018 16:20	
PCB-1260	ND	0.40	4	EPA 3540C	B8E0938	05/09/2018	05/11/2018 16:20	
PCB-1268	ND	0.40	4	EPA 3540C	B8E0938	05/09/2018	05/11/2018 16:20	
PCB-1262	ND	0.40	4	EPA 3540C	B8E0938	05/09/2018	05/11/2018 16:20	
<i>Surrogate: TCMX [1C]</i>	<i>123 %</i>	<i>30 - 150</i>			<i>B8E0938</i>	<i>05/09/2018</i>	<i>05/11/2018 16:20</i>	
<i>Surrogate: TCMX [2C]</i>	<i>141 %</i>	<i>30 - 150</i>			<i>B8E0938</i>	<i>05/09/2018</i>	<i>05/11/2018 16:20</i>	
<i>Surrogate: DCB [1C]</i>	<i>148 %</i>	<i>30 - 150</i>			<i>B8E0938</i>	<i>05/09/2018</i>	<i>05/11/2018 16:20</i>	
<i>Surrogate: DCB [2C]</i>	<i>146 %</i>	<i>30 - 150</i>			<i>B8E0938</i>	<i>05/09/2018</i>	<i>05/11/2018 16:20</i>	

Complete Environmental Testing, Inc.

80 Lupes Drive, Stratford, CT 06615 • Tel: 203-377-9984 • Fax: 203-377-9952 • www.cetlabs.com

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CET # : 8050308

Project: Turkey Hill, Orange

Project Number: 26618

QUALITY CONTROL SECTION

Batch B8E0938 - 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 (B8E0938-BLK1)					Prepared: 5/9/2018 Analyzed: 5/10/2018				
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							
<i>Surrogate: TCMX [1C]</i>					81.9	30 - 150			
<i>Surrogate: TCMX [2C]</i>					94.7	30 - 150			
<i>Surrogate: DCB [1C]</i>					66.1	30 - 150			
<i>Surrogate: DCB [2C]</i>					67.9	30 - 150			
LCS (B8E0938-BS1)					Prepared: 5/9/2018 Analyzed: 5/10/2018				
PCB-1016	1.13	0.10	1.000		113	40 - 140			
PCB-1260	1.04	0.10	1.000		104	40 - 140			
<i>Surrogate: TCMX [1C]</i>					75.7	30 - 150			
<i>Surrogate: TCMX [2C]</i>					87.4	30 - 150			
<i>Surrogate: DCB [1C]</i>					63.6	30 - 150			
<i>Surrogate: DCB [2C]</i>					63.1	30 - 150			
Duplicate (B8E0938-DUP1)		Source: 8050308-01		Prepared: 5/9/2018 Analyzed: 5/11/2018					
PCB-1016	ND	0.40		ND					30
PCB-1221	ND	0.40		ND					30
PCB-1232	ND	0.40		ND					30
PCB-1242	ND	0.40		ND					30
PCB-1248	ND	0.40		ND					30
PCB-1254	2.35	0.40		2.54		7.74			30
PCB-1260	ND	0.40		ND					30
PCB-1268	ND	0.40		ND					30
PCB-1262	ND	0.40		ND					30
<i>Surrogate: TCMX [1C]</i>					122	30 - 150			
<i>Surrogate: TCMX [2C]</i>					139	30 - 150			
<i>Surrogate: DCB [1C]</i>					148	30 - 150			
<i>Surrogate: DCB [2C]</i>					146	30 - 150			

CET # : 8050308

Project: Turkey Hill, Orange

Project Number: 26618



80 Lupes Drive
Stratford, CT 06615

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 Batch	An analytical standard analyzed with each set of samples to verify initial calibration of the system. 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	Result from the duplicate analysis of a sample. 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 spiked.
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
Massachusetts Laboratory Certification M-CT903



New York NELAP Accreditation 11982
Rhode Island Certification 199

Complete Environmental Testing, Inc.

80 Lupes Drive, Stratford, CT 06615 • Tel: 203-377-9984 • Fax: 203-377-9952 • www.cetlabs.com

CET # : 8050308

Project: Turkey Hill, Orange

Project Number: 26618

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

Sincerely,

This technical report was reviewed by Timothy Fusco



David Ditta
Laboratory Director

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 # : 8050308

Project: Turkey Hill, Orange

Project Number: 26618

CERTIFICATIONS

Certified Analyses Included in this Report

Analyte	Certifications
<i>EPA 8082A in Soil</i>	
PCB-1016	CT,NY
PCB-1221	CT,NY
PCB-1232	CT,NY
PCB-1242	CT,NY
PCB-1248	CT,NY
PCB-1254	CT,NY
PCB-1260	CT,NY
PCB-1268	CT,NY
PCB-1262	CT,NY
<i>EPA 8082A in Solid</i>	
PCB-1016	CT,NY
PCB-1221	CT,NY
PCB-1232	CT,NY
PCB-1242	CT,NY
PCB-1248	CT,NY
PCB-1254	CT,NY
PCB-1260	CT,NY
PCB-1268	CT,NY
PCB-1262	CT,NY

Complete Environmental Testing operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Public Health	PH0116	09/30/2018
NY	New York Certification (NELAC)	11982	04/01/2019

8050308



COMPLETE ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY

Volatile Solids Only:

Date and Time in Freezer

Client: CIET

80 Lippes Drive
 Stratford, CT 06616
 Tel: (203) 377-9894
 Fax: (203) 377-9852
 e-mail: cert@certlab.com
 certlab@certlab.com

Sample ID	Sample Depths (Units)	Collection Date/Time	Matrix Air Soil Water Dioxin Water C-Fluoride Solid Wax Other (Specify)	Turnaround Time ** (check one)			
				Same Day *	Next Day *	2-3 Days *	5-7 Days *
PCB-01 Hill Windmill Farm Cooling		5/21/19 7:55	Solids				X

Organics	Metals (check as that apply)	Additional Analysis	TOTAL # OF CONT.
8260 CT List			1
8260 Aromatics			
8260 Halogens			
824			
GT ETPH			
8270 CT List			
8270 PNA's			
PCBs Soxhlet			
Pesticides			
13 Priority Poll			
8 RCRA			
TOTAL			
TCLP			
SPLP			
Field Filtered			
Lab To Filter			

PRESERVATIVE (Cl-HCl, N-HNO₃, S-H₂SO₄, Na-NaOH, Ca-CO₂, O-Other)

CONTAINER TYPE (P-Plastic, G-Glass, V-Vial, O-Other)

Soil VOCs Only (M-MeOH B-Benzene W-Water F-Ferripy E-Etween)

RELINQUISHED BY: [Signature] DATE/TIME: 5/21/18 8:30am RECEIVED BY: [Signature]

RELINQUISHED BY: DATE/TIME: RECEIVED BY:

RELINQUISHED BY: DATE/TIME: RECEIVED BY:

Client / Reporting Information

Company Name: Facility Support Services, LLC.

Address: 2645 State Street

City: Hamden State: CT Zip: 06517

Report To: Nike Difabio E-mail: M.Difabio@fss.com

Phone #: 203-298-1281 Fax #:

Project Information

Project Contact: Nike Difabio PO #: 26618

Project: Turkey Hill School Project #: 26618

Location: Orange CT Collector(s): M. Difabio

QA/QC: SW Site Specific (MSMRD) * RCP Pkg * DDAM *

Data Report: PDF EDD - Specify Format Other

RSA Reporting Limits (check one) GA GB SWP Other 1 ppm

Laboratory Certification Method (check one) CT NY RI MA

Reporting Lab: CIET Cooling: SHEET 1 OF 1

* Additional charge may apply. ** TAT begins when the samples are received at the Lab and all issues are resolved. TAT for samples received after 3 p.m. will start on the next business day. REV 08/14

Attachment 2
Architectural Drawings

