



CITY OF DOVER

CITY COUNCIL - AGENDA

Meeting Type: **Regular Meeting**
Meeting Location: **City Hall, Council Chambers**
Meeting Date: **Wednesday, January 9, 2019**
Meeting Time: **7:00pm**

- 1. CALL TO ORDER**
- 2. MOMENT OF SILENCE**
- 3. PLEDGE OF ALLEGIANCE**
- 4. ROLL CALL ATTENDANCE**
- 5. PROCLAMATIONS/AWARDS**
- 6. APPROVAL OF AGENDA**
- 7. PUBLIC HEARINGS**
- 8. CITIZEN'S FORUM**

*Citizens are invited to speak on any issue pertaining to the business of the City of Dover.
Statements shall be limited to five minutes.*

- 9. CITY MANAGER'S REPORT**
- 10. APPROVAL OF MINUTES**
 - A. December 12, 2018 – Regular Meeting**
- 11. MAYOR'S REPORT**
- 12. UNFINISHED BUSINESS**
 - A. ORDINANCES IN THE 2nd READING**
 - B. ORDINANCES IN THE 3RD READING**
 - C. RESOLUTIONS**
- 13. NEW BUSINESS**
 - A. CONSENT CALENDAR**
 - 1. BLOCK PARTY & RAFFLE – SOS Recovery Community Center**
 - 2. BLOCK PARTY & RAFFLE- Pope Memorial Cocheco Valley Humane Society**
 - 3. ROAD RACE - Pope Memorial Cocheco Valley Humane Society**



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- 4. ACCESS EASEMENT FOR PUBLIC ACCESS OVER THORNWOOD COMMONS TRAILS**
SPONSORED BY MAYOR WESTON BY REQUEST
- 5. BOBCAT 5600 TOOLCAT, SOURCEWELL FORMALLY KNOWN AS NATIONAL JOINT POWERS ALLIANCE**
SPONSORED BY MAYOR WESTON BY REQUEST
- 6. CATERPILLAR GENERATOR, SOURCEWELL FORMALLY KNOWN AS NATIONAL JOINT POWERS ALLIANCE**
SPONSORED BY MAYOR WESTON BY REQUEST
- 7. HUBER INCLINED SCREW PRESS INSTALLATION WITH APEX CONSTRUCTION INC.**
SPONSORED BY MAYOR WESTON BY REQUEST
- 8. AWARD PURCHASE OF ESRI ARCGIS SOFTWARE**
SPONSORED BY MAYOR WESTON BY REQUEST
- 9. B14074 PHASE II - PROFESSIONAL ENGINEERING SERVICES FOR WATER SYSTEM FACILITY UPGRADES CHANGER ORDER #5 & #6**
SPONSORED BY MAYOR WESTON BY REQUEST
- 10. B19022 WASTEWATER TREATMENT FACILITY AERATION BLOWER UPGRADES**
SPONSORED BY MAYOR WESTON BY REQUEST
- 11. B19023 WATER FACILITIES IMPROVEMENTS PHASE II CONTRACT I TRANSMISSION MAIN**
SPONSORED BY MAYOR WESTON BY REQUEST
- 12. B19024 WATER FACILITIES IMPROVEMENTS PHASE II CONTRACT III FACILITIES**
SPONSORED BY MAYOR WESTON BY REQUEST
- 13. APPROVAL OF NORTHEASTERN BALLET THEATER LEASE AGREEMENT**
SPONSORED BY MAYOR WESTON BY REQUEST



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COMMITTEE REPORTS

- | | |
|---------------------------------------|--|
| 1. School Board | 15. Parking Commission |
| 2. Planning Board | 16. Pool Advisory Committee |
| 3. 400th Anniversary Committee | 17. Recreation Advisory Board |
| 4. Appointments Committee | 18. Solid Waste Advisory Commission |
| 5. Arena Commission | 19. Transportation Advisory Commission |
| 6. Arts Commission | 20. Waterfront TIF Advisory Board |
| 7. Conservation Commission | 21. Joint Building Committee – Dover High School
and Regional Career Technical Center |
| 8. Downtown TIF Advisory Board | 22. Joint Building Committee
Garrison Elementary School |
| 9. Energy Commission | 23. COAST |
| 10. Heritage Commission | 24. Dover Main Street |
| 11. Legislative Liaison | 25. Strafford Regional Planning Commission |
| 12. Library Board of Trustees | 26. Tri-City Homelessness Task Force |
| 13. McConnell Center Advisory Board | |
| 14. Ordinance Committee | |

B. RESOLUTIONS

- 1. AMENDMENT ONE CHESTNUT STREET AND WASHINGTON STREET
REALIGNMENT PROJECT AND REPROGRAM UNEXPENDED FUNDS FROM
APPLEVALE AVENUE STREET RECONSTRUCTION
(REQUIRES A 2/3 MAJORITY VOTE OF THE COUNCIL)
(TO BE REFERRED TO A PUBLIC HEARING ON JANUARY 23, 2019, WITH CITY
COUNCIL VOTE OCCURRING ON FEBRUARY 13, 2019)
SPONSORED BY MAYOR WESTON BY REQUEST**

C. ORDINANCES IN 1ST READING

14. COUNCIL CORRESPONDENCE

A. LETTER FROM xFINITY DATED DECEMBER 19, 2018

15. COUNCIL MATTERS OF INTEREST

16. ADJOURN

City Manager's Report

January 09, 2019

Reporting on December 2018



Legal Department

by Anthony Blenkinsop

The Office of General Legal Counsel provides legal support to the City Council, City Manager, city staff and volunteers on boards, commissions and committees of the City of Dover to assist efforts in providing services to our constituents and/or customers. In addition, legal support is also provided to the Dover School Board and Superintendent of Schools.

Customer Focused Outcomes: Right to Know Requests

→ Alton, NH – School emails

Financial Outcomes: Litigation

Ventas Realty Limited Partnership v. City:

(2014 tax year) Bench Trial held June 2018. Ruling in favor of City received. Plaintiff filed Motion for Reconsideration, denied by Strafford County Superior Court. Appeal to NH Supreme Court filed by Plaintiff.

(2015 tax year) City filed Answer to Petition for Abatement with Certified Record; City filed Case Structuring and ADR Order. Case stayed pending resolution of 2014 case.

(2016 tax year) City served with complaint. Case stayed pending resolution of 2014 case.

(2017 tax year) Complaint filed with Court on August 28, 2018 and served on City September 24, 2018

Opioid Epidemic Litigation: Retained services of Robbins Geller of Boca Raton, Florida for fraudulent marketing practices of pharmaceutical manufacturers. Suit filed in USCD in Concord.

Shawn Labrie v. City of Dover Office of Assessor – Tax Abatement complaint filed August 22, 2018 and served on the City September 11, 2018. Answer filed October 10, 2018. Trial scheduled for week of November 5, 2019.

	December 2018	FY19	FY18	FY17
Legal Matters/Questions Handled	25	178	456	354
Document Creation & Review Including Contracts	18	122	259	271
Right to Know Requests Processed	01	18	94	73
Resolutions	01	15	67	42
Ordinances	01	05	10	13

Product & Process Outcomes: Assistance to City Departments

City Council	Drafting/review of resolutions and ordinances; Opioid litigation, General Code Recodification
City Manager	No legal assistance needed.
Community Services	Sewer Easement Deed research; Illegal dumping; Varney Brook Pump Station; Investment fees abatement; Silver Street sewer connection; Fee Schedule review of fines and penalties; Huber MOU; Cocheco Falls Dam; Indoor Pool Solar PPA
Executive	Review of 2018 City Owned Property.
Fire & Rescue	No legal assistance needed.
Finance	Discharges and Liens; Dover Indoor Pool and Children's Museum revised documents; Change in Delinquent Taxes Interest Rate; Construction release waiver; Outstanding water sewer bills; Polly Ann Park property sale; Abandoned/vacant properties
Planning	Housing Rehab Loans research; Tendercrop Farm events; Waterfront Development
Police	No legal assistance needed.
Public Library	No legal assistance needed.
Public Welfare	No legal assistance needed.
Recreation	Referee Independent Contractor Agreement
School	RTK 91-A; High School Solar PPA
Committees	Dover Arts Commission: Redraft of Grant Application.

The use of outside counsel to handle specialty matters continues and consists of environmental matters and labor negotiations. There are a small number of attorneys hired on a variety of smaller matters.

Dover Business & Industrial Development Authority

by Daniel Barufaldi

Leadership & Governance Outcomes:

Summary:

Business activity in the region expanded at a strong to moderate pace with nearly all contacted manufacturers, hotels, software and IT companies reporting year-over-year increases in sales and revenues in recent weeks. Recent retail activity was the strongest on record for downtown merchants with City assisted sales help. Commercial real estate activity, including multifamily/ mixed use projects was robust regionally and locally. Non-residential industrial development was limited by the high cost of new builds and the lack of accelerator space units, but some breakthroughs are being experienced in new build activity as companies realize interest rates are rising and building materials costs are expected to rise due to tariffs on imported materials, +4.5% on average. Present costs are projected to rise in the future. Single home residential real estate is experiencing robust demand, with increases in closings and prices but are still somewhat limited by lack of inventory. Staffing firms report hiring for specific skill sets is brisk but limited by available potential employees. The Dover unemployment rate is now 1.8%. Planned wage increases are gaining momentum with prices increasing slightly to moderately in most sectors (3.0-3.5 %). Contacts expect moderate further growth consistent with recent results going forward. Some concern is being expressed about the rate of growth as the Dow, having surpassed 26,000, dipped suddenly and then recovered to the 26,500 range and then fell off significantly in the Tech sector. Recent sell offs due to trade war fears and political uncertainties are expected to be overcome by strong fundamentals. Most recently the US economy is growing at a record pace (GDP growth at 4.2% over Q3) despite tariff and trade policy concerns. Interest rates are rising but so far, this has not slowed the increase in mortgage and debt financing yet. Downtown retailers, bars and restaurants are experiencing strong performance this month with a few suffering from increased competition and rising lease costs. The most marketing savvy establishments are experiencing improved sales growth aided by the multiple marketing events cosponsored and implemented by DBIDA, Dover Main Street, the Chamber of Commerce and the Dover Retail Committee. Retailers reported they continue to be helped by the First Fridays Art Walk events, the Dover Arts Festival and the Hot Diggity Dog Saturdays and most recently, Plaid Friday events with the cooperation of virtually all merchants City wide. Our Plaid Friday video garnered responses from as far away as Illinois.

Selected Business Services:

Demand for consulting and advertising is up moderately over last year at this time. Software and IT services providers are experiencing vastly improved results versus the previous year sales. Services to the healthcare sector have recently increased as walk-in convenient care centers and stand-alone ER's are being added. Some consolidation is now being experienced in the institutional healthcare sector. Wentworth Douglas Hospital's merger with Mass General is part of an overall consolidation trend in institutional healthcare. This is expanding the range of medical specialties available to the Dover market. WDH has opened a medical practice facility at the Pease Development Authority. Portsmouth Regional Hospital is building a stand-alone ER building at Exit 7 in Dover. Wages, while up significantly in critical skill areas, remain just above inflation on average, as do prices.

To attract highly skilled workers in growing industries these firms are expanding their social media and technological attraction efforts. Increased health insurance costs remain a concern with the uncertainty of the future reform of the Affordable Care Act and the challenge of being able to increase pricing to cover the increased cost. Experienced wait staff is at a premium. Overall the sector is optimistic and expecting high single digit growth over the next two quarters and beyond.

Local walk-in healthcare centers are hiring strongly as these in- demand skill sets become available.

Predictions for 2019 revenue growth are in the 7%-8% range.

Office and Administrative Support, Food Preparation and Related Serving, and Healthcare Practitioners and Technical occupations in Dover all exceed the national average while Computer and Mathematical occupations are the fastest growing in Dover having grown by 475 jobs year over year.

Commercial Real Estate:

Non-residential commercial real estate sales activity continued with modest sustained growth locally, and with flat activity in the Boston and Portland markets and declines in Connecticut and Rhode Island markets. Demand locally has remained positive with several local commercial developments, mixed use infill, multifamily and assisted living investment projects coming to fruition. New build costs for needed 20,000 SF – 30,000 SF manufacturing/ assembly/ warehouse/ office spaces at Enterprise Park are causing sticker shock for several prospects and delaying project initiation with some breakthrough projects beginning to buck the trend. Accelerator units of 1,200 – 2,500 SF are sorely needed to house small post startup companies to get underway and to grow in Dover. Office leasing continued to improve this month. Land sales continue to have momentum locally. Investment demand for commercial real estate remains strong, especially for industrial space. Leasing fundamentals maintained a moderate pace of improvement in recent weeks, consistent with slow employment growth. A significant amount of speculative office construction as part of mixed use building is now being done. Some recent mixed use developments are experiencing difficulty in filling the commercial component while booking the residential component immediately. The lending environment remains highly favorable to borrowers, with historically low, but increasing interest rates and somewhat tighter lending standards. Abundant investment capital continues to flow into commercial lease properties across the Seacoast, sourced from private equity firms, pension funds, foreign investors, REITS and high net worth individuals. Leverage ratios are on the rise among some investors, but remain low in absolute terms. Local multi-family and mixed use construction remains at a very healthy pace with local inventory in this category rising rapidly. The outlook remains optimistic across the region. Forecasts call for more slow but steady improvement in fundamentals moving forward, pending steady employment growth. Fiscal policy and uncertainty around the business and employment effects of the Healthcare Bill and Medicaid status are producing uncertainty at both the state and federal levels and this is mentioned by some as a down side risk to employment growth that produces improvement in leasing and construction activity. Some major capital spending projects are underway and some about to be announced. The Fosters building at 333 Central Ave. project is currently at the TRC stage with demolition and some new construction observed. The Robbins building downtown sold to Cathartes who has now completed demolition of the building and is now in the process of building above ground stories for a full block mixed use development.

See Local Major Development Projects Section below.

Residential Real Estate:

Residential real estate markets continue to exhibit strong performance in the Seacoast. Home buyer confidence is up. Completed sales of single family homes increased year-over-year in Q1 and Q2 but Q3 and Q4 unit sales in 2017 declined slightly and first half 2018 unit sales declined slightly due to lack of inventory but dollar sales were up due to the increase in prices. Rising prices are convincing sellers to put homes on the market before interest rates go up any more (now averaging 4.55% on residential mortgages). Median selling prices continue to rise locally and are up 9.7% year-over-year 2017-2018. Condo sales though somewhat mixed regionally, are up locally as well, as are condo pricing and pending sales. Closed unit sales of both single family homes and condominiums improved very slightly over the past month. Median sale prices in NH and in Dover increased again in the period for single family homes to the \$387,000 range. Pending sales suggest the markets for single family houses and condos will continue to do well throughout 2019.

Manufacturing & Related Services:

Most local manufacturers supplying domestic markets are now reporting new strength in sales and improved year over year profits. One point-of-purchase systems supplier is experiencing sales increases significant enough to require some out sourcing of production but may move to consolidate operations at their Massachusetts HQ. Local manufacturing has grown 400 jobs this year. Exporters to both Europe and China are concerned with the UK exit from the EU and most world economies are not doing as well and that softens support for the US economy. The Chinese economy has slowed but China's GDP is still growing at a 6-7% rate and their investment in infrastructure, often purchased here, is down significantly. Some concern exists that the new administration's "America First" policies and import tariffs will negatively affect exports significantly, but the tax reform law is expected to make exporting US companies more competitive internationally. The negative tariff situation VS, China is estimated at only 4.5 % in adverse costs. Currently, local manufacturers are experiencing growing sales. The North Korean situation ups and downs make it difficult to assess the effects they will cause in world-wide markets and economies should they become a world player in foreign markets. Other uncertainties surrounding the federal administration change are evident in local manufacturers, including a relaxation of the regulatory constraints on businesses that will reduce costs. It is expected that the relaxation of coal power plant emissions by the EPA will add capacity and reduce some costs for local electrical energy. Local manufacturers are still slightly uncertain about the tax reform package but are encouraged by the most recent amended tax reform law passed. Pickup truck and auto sales have declined again this fall. Locally we are seeing some confidence in future auto sales expressed in two large dealership expansion and upgrade investments on Dover Point Road. Dealership auto inventories on site are growing. Manufacturing firms reporting on inventory levels are citing higher levels. Most contacts in the manufacturing sector indicate that both staffing levels and wage growth are now headed up at a moderate pace. Capital investment is up locally except for some new builds being deferred due to building costs exceeding the value of the completed building at present. Foreign investment in the US is growing rapidly due to the uncertainties rampant in the Chinese, Brazilian, Venezuelan and European economies and the pro-business messages from the new administration. Locally, Safran and Albany International businesses are now seeing an uptick and are hiring again when qualified workers can be found. Some major capital spending projects are underway and some about to be announced. A number of other commercial projects are currently underway or about to be underway during this building season. Outlook for the balance of the year remains very positive. Very few manufacturing buildings in the 20,000-30,000SF range have become available locally. The Silver Square development is now well underway with Phase II progress on this \$50 million dollar development

Price pressures remain moderate. Regional manufacturers remain optimistic.

Labor demand has been strong in IT and software. Nursing, electronics, engineering, quality assurance tech and legal skills demand remain strong. Most firms in the field have begun to hire with wages beginning to move upward. Qualified workers in many tech skills areas are not available locally and a lack of a comprehensive worker training program locally is beginning to be detrimental to acquiring relocation candidate companies, especially when the local cost of new buildings, electricity and water is folded into the mix. New initiatives with the Greater Dover Chamber of Commerce Education Committee, Great Bay Community College, Somersworth High School CTC and UNH for BIZEDConnect are beginning with the new Board member assignments. Recent reductions in the NH BPT and EPT are helpful but more is needed in both corporate tax reduction and regulatory relief to reclaim the "NH Advantage". The FY2019 property tax increase with an over the tax cap budget from the School District is causing concern at several local businesses when combined with high electric energy costs and water processing costs.

Retail & Tourism:

Retailers contacted for this period report strong sales results. Year-over-year store sales range from even to up 8% but these sectors are now in their annual Q4 high demand period. The recent stock market increases followed by the recent correction have cooled confidence at Main Street businesses at present. The uncertainty about the effect of the tax reform law on household income and the issues of the affect on healthcare coverage and cost has faded. The recent gasoline price volatility (now in a slightly lower price cycle), has had no discernible effect yet on retail, hotel and restaurant sales so far. A significant increase in military spending is having a very positive effect on the number of shipyard and Air Force workers electing to get better value for their Fed per diem allowance by staying in Dover hotels and having dinner in Dover. Conversely, the new trend toward on-line short term rentals (Air B & B's) is beginning to affect hotel occupancy rates negatively in a minor way. On-line shopping has reinforced a "just-in-time" shopping mentality that has exacerbated erratic monthly sales results for brick and mortar department stores. Several national brick and mortar department stores are experiencing declining sales and are doing some store closings and layoffs. Sears has declared bankruptcy. Looking at longer term retail results tends to dispel the shopping center apocalypse reports. Many malls are being repurposed to other uses, including residential development. Walmart has initiated a multi-million dollar made-in-America program designed to provide several thousand jobs over the next two years. Many retailers are making infrastructure investments to participate more fully in on-line sales which are up by 18%+ year-over-year. The on-line state sales tax ruling is expected to moderate the huge expansion in on-line sales unless New Hampshire and a few other smaller states prevail in their legal efforts to defeat it. The decline in the large shopping malls may begin to help our small retailers with people looking for unique products and personal customer service. Bus tours to Dover are fully booked for 2019. Pricing that has remained steady up to now, is beginning to be affected by wage rates for experienced retail clerks and wait staff and is beginning to force prices to rise or margins to decline at local restaurants.

Employment and Wages:

Local labor market pressure sustained in November with the traditional Q4 seasonal uptick. Dover's current unemployment rate is 1.8%. Salary increases for highly skilled employees are increasingly frequent as retention and attraction efforts multiply to sustain growing sales. Lack of STEM skills and drug test failures by prospective employees are real limits to the potential hiring pool.

Wages for wait staff and experienced retail workers have begun to accelerate upward. 2017 wage gains averaged 3.5% and something in the 4. 5% range is expected in 2019.

Restaurants are expressing concern about labor shortages with some initiating early week closed days due to a lack of available hiring candidates.

In the higher skill set categories; engineers, paramedics, physician's assistants and nurses are in short supply and are commanding top salaries and temporary living subsidies for those traveling to the region to work.

Local Major Development Projects:

- First Street Development Phase 2 in TRC.
- Third Street Development
- Silver Square Development: Phase 1 completion, Phase 2 underway.
- 49,000 SF at 27 Production Drive leased to buy option exercised.
- Robbins Building site / Cathartes Project (Demolition complete, upper stories being built).
- Well over \$100,000,000 in Dover development underway.
- Enterprise Park Developments suffering from "sticker shock" for new builds. Two projects expected to begin in 2019.
- Fosters Building sold for \$1.5 million / Kostas Brothers (renovation in process).
- The Old courthouse Building on First and 2nd may now be renovated for a mixed use facility.
- 6 Grove St. Project is underway.

Parking Division

Meter Activity

	November 2018	November 2017
Meter Transactions	34,774	34,794
Income from Meters - Total	\$48,624	\$45,795
Income from Meters – Parking Garage	\$5,266	\$3,788
Meter Days	19	20
Average Meter Transactions Per Day	1,830	1,740
Transaction Increase / Decrease	+5.2%	

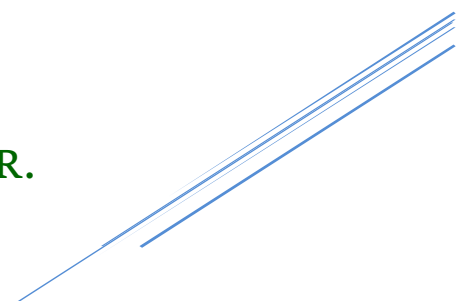
	Fiscal Year 2019	Fiscal Year 2018
Meter Transactions	196,143	190,840
Income from Meters - Total	\$266,657	\$244,014
Meter Days	104	104
Average Meter Transactions Per Day	1,886	1,835
Transaction Increase / Decrease	+2.8%	

COAST

Ridership Activity

Month	Route 1	Route 2	Route 33 (FasTrans)
November 2017	5,149	15,362	1,055
December 2017	4,881	13,553	1,135
January 2018	4,930	13,804	1,195
February 2018	5,053	14,117	1,157
March 2018	5,413	14,883	1,227
April 2018	5,005	15,108	1,040
May 2018	5,551	16,495	1,125
June 2018	5,335	15,118	947
July 2018	4,409	14,019	832
August 2018	5,272	16,055	1,063
September 2018	4,503	13,291	1,086
October 2018	5,618	16,595	1,245
November 2018	5,193	15,055	1,107

J. MICHAEL JOYAL, JR.
CITY MANAGER



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1. CALL TO ORDER

2. MOMENT OF SILENCE

3. PLEDGE OF ALLEGIANCE

Councilor Keane led the Pledge of Allegiance.

4. ROLL CALL ATTENDANCE

Present: Mayor Weston, Deputy Mayor Carrier, Councilor Ciotti, Councilor Gasses, Councilor Keane, Councilor Muffett-Lipinski, Councilor Thibodeaux, and Councilor Williams.

Also Present: City Manager Joyal, City Attorney Blenkinsop, and City Clerk Mistretta.

5. PROCLAMATIONS/AWARDS

6. APPROVAL OF AGENDA

Councilor Williams moved to add the Strafford County Regional Planning Report and the Tri-City Homelessness Task Force Report.

Councilor Gasses moved to add the Conservation Commission Report.

Deputy Mayor Carrier moved to approve the Agenda as amended; seconded by Councilor Thibodeaux.

Vote: 8/0.

7. PUBLIC HEARINGS

A. CHAPTER 152, SECTION 11

SPONSORED BY MAYOR WESTON BY REQUEST

Mayor Weston, seeing no one wishing to speak, closed the Public Hearing.

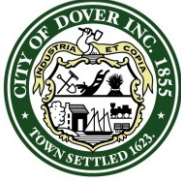
8. CITIZEN'S FORUM

Citizens are invited to speak on any issue pertaining to the business of the City of Dover. Statements shall be limited to five minutes.

James Verschueren, 102B Sixth Street: He spoke about the need to find new election polling places for Wards 2 and 3.

Richard Spence, 8 Madelyn Drive: He spoke in favor of the Thornwood Lane Acceptance Resolution.

F. Joseph Olsen, 16 Teresa Drive: He spoke in favor of the Thornwood Lane Acceptance Resolution.

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Mayor Weston, seeing no one else wishing to speak, closed the Citizen's Forum.

9. CITY MANAGER'S REPORT

City Manager Joyal submitted his report in writing. He referred to Page 8 and spoke about the rise in parking activity. He congratulated Susan Mistretta who has accepted the City Clerk position.

Councilor Thibodeaux asked about the 1st Street, 3rd Street and the Robbins building development projects.

City Manager Joyal gave an overview of the projects to the Council.

Deputy Mayor Carrier moved to accept the City Manager's Report; seconded by Councilor Keane.

Vote: 8/0.

10. APPROVAL OF MINUTES

A. November 28, 2018 – Regular Meeting

Deputy Mayor Carrier moved to approve the Minutes; seconded by Councilor Muffett-Lipinski.

Vote: 8/0.

11. MAYOR'S REPORT

Mayor Weston spoke about the events she attended: Festival of Trees, Holiday Tree Lighting, Public Library "Read with Santa", Downtown Home Holiday, the Government Affairs Meeting, and the Dover High School event regarding Racism.

Deputy Mayor Carrier moved to accept the Mayor's Report; seconded by Councilor Keane.

Vote: 8/0.

12. UNFINISHED BUSINESS

A. ORDINANCES IN THE 2nd READING

1. CHAPTER 152, SECTION 11

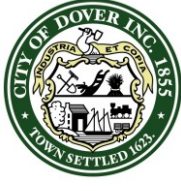
SPONSORED BY MAYOR WESTON BY REQUEST

Deputy Mayor Carrier moved for its adoption; seconded by Councilor Ciotti.

City Attorney Blenkinsop gave an overview of the Ordinance to the Council.

Roll Call Vote: 8/0.

B. ORDINANCES IN THE 3RD READING

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C. RESOLUTIONS

1. APPROPRIATION FOR FY2020 CAPITAL IMPROVEMENTS PROGRAM AND AUTHORIZATION FOR BONDING (REQUIRES A 2/3 MAJORITY VOTE OF THE COUNCIL) SPONSORED BY MAYOR WESTON BY REQUEST

Deputy Mayor Carrier moved for its adoption; seconded by Councilor Ciotti.
Roll Call Vote: 8/0.

Mayor Weston asked the Council to consider moving up Item 13.B.1. Acceptance of Thornwood Lane to this point of the meeting.

Councilor Ciotti moved to move up Item 13.B.1.; seconded by Councilor Muffett-Lipinski.
Vote: 8/0.

Deputy Mayor Carrier moved for the adoption of Item 13.B.1.; seconded by Councilor Muffett-Lipinski.

City Manager Joyal gave an overview of the Resolution and the actions the City will be addressing soon and in the Spring.

Roll Call Vote: 8/0.

2. REPROGRAM FLORAL AVENUE CAPITAL IMPROVEMENT PROGRAM (CIP) APPROPRIATION TO BROADWAY DRAINAGE SYSTEMS IMPROVEMENT PROJECT (REQUIRES A 2/3 MAJORITY VOTE OF THE COUNCIL) SPONSORED BY MAYOR WESTON BY REQUEST

Deputy Mayor Carrier moved for its adoption; seconded by Councilor Ciotti.
Roll Call Vote: 8/0.

13. NEW BUSINESS

A. CONSENT CALENDAR

1. B19001 BROADWAY STREET RAILROAD CULVERT CONSTRUCTION SPONSORED BY MAYOR WESTON BY REQUEST

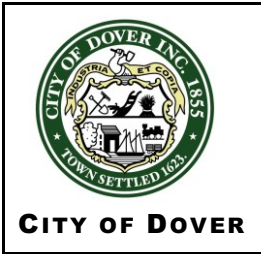
2. B19013 CENTRAL FALLS RETAINING WALL RECONSTRUCTIONS

3. B19014 SIX WHEEL DUMP TRUCK WITH EQUIPMENT

4. B19027 FOUR POLICE FORD INTERCEPTOR UTILITY

5. B19028 FORD TRANSIT CONNECT LONG WHEELBASE

6. HUBER TECHNOLOGIES INC 12318



CITY COUNCIL - AGENDA

Meeting Type: **Regular Meeting**
Meeting Location: **City Hall, Council Chambers**
Meeting Date: **Wednesday, December 12, 2018**
Meeting Time: **7:00pm**

COMMITTEE REPORTS

- | | |
|---------------------------------------|---|
| 1. School Board | 15. Parking Commission |
| 2. Planning Board | 16. Pool Advisory Committee |
| 3. 400th Anniversary Committee | 17. Recreation Advisory Board |
| 4. Appointments Committee | 18. Solid Waste Advisory Commission |
| 5. Arena Commission | 19. Transportation Advisory Commission |
| 6. Arts Commission | 20. Waterfront TIF Advisory Board |
| 7. Conservation Commission | 21. Joint Building Committee – Dover High School and Regional Career Technical Center |
| 8. Downtown TIF Advisory Board | 22. Joint Building Committee Garrison Elementary School |
| 9. Energy Commission | 23. COAST |
| 10. Heritage Commission | 24. Dover Main Street |
| 11. Legislative Liaison | 25. Strafford Regional Planning Commission |
| 12. Library Board of Trustees | 26. Tri-City Homelessness Task Force |
| 13. McConnell Center Advisory Board | |
| 14. Ordinance Committee | |

Deputy Mayor Carrier moved for the adoption of the Consent Calendar; seconded by Councilor Keane.

Mayor Weston asked the Council if they would like to anything pulled for further discussion. Councilor Thibodeaux pulled Item 13.A.6.

Deputy Mayor Carrier pulled the highlighted Committee Reports.

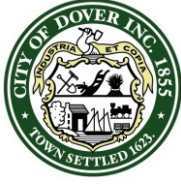
Mayor Weston asked for a roll call vote on the remaining items on the Consent Calendar. Roll Call Vote: 8/0.

Deputy Mayor Carrier moved for the adoption of Item 13.A.6.; seconded by Councilor Ciotti. Mr. Vermette, Waste Water Treatment Plant Facility Supervisor, gave an overview of this Pilot study to the Council. Roll Call Vote: 8/0.

Councilor Muffett-Lipinski gave an overview of the School Board Report to the Council. Deputy Mayor Carrier moved to accept the School Board Report; seconded by Councilor Thibodeaux. Vote: 8/0.

Councilor Ciotti gave an overview of the Planning Board Report to the Council. Deputy Mayor Carrier moved to accept the Planning Board Report; seconded by Councilor Williams.

Mayor Weston gave an overview of the Dover 400th Anniversary Committee Report to the Council. Deputy Mayor Carrier moved to accept the Dover 400th Anniversary Committee Report; seconded by Councilor Thibodeaux. Vote: 8/0.

 CITY OF DOVER	CITY COUNCIL - AGENDA Meeting Type: Regular Meeting Meeting Location: City Hall, Council Chambers Meeting Date: Wednesday, December 12, 2018 Meeting Time: 7:00pm
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Deputy Mayor Carrier gave an overview the Appointments Committee Report to the Council.

He made the following recommendations for appointment:

William Burr, Recreation Advisory Board – regular member

Deborah David, McConnell Center Advisory Board – regular member

Julia Kirchmer, Arts Commission – regular member

Vincent Lyon, Recreation Advisory Board – alternate member

Deputy Mayor Carrier moved for the approval of their appointments; seconded by Councilor Keane.

Vote: 8/0.

Deputy Mayor Carrier moved for the following changes in status:

Tristan Donovan – alternate member to regular member on the Planning Board

James Burdin – regular member to alternate member on the Planning Board

Hayley Harmon – alternate member to regular member on the Planning Board

Deputy Mayor Carrier moved for the approval of the changes in status; seconded by Councilor Keane.

Vote: 8/0.

Deputy Mayor Carrier listed the current openings on Boards and Commissions.

Deputy Mayor Carrier moved to accept the Appointments Committee Report; seconded by Councilor Thibodeaux.

Vote: 8/0.

Councilor Keane gave an overview of the Arena Commission Report to the Council.

Deputy Mayor Carrier moved to accept the Arena Commission Report; seconded by Councilor Muffett-Lipinski.

Vote: 8/0.

No Arts Commission Report.

Councilor Gasses gave an overview of the Conservation Commission Report to the Council.

Deputy Mayor Carrier moved to accept the Conservation Commission Report; seconded by Councilor Ciotti.

Vote: 8/0.

Councilor Williams gave an overview of the Strafford County Regional Planning Report to the Council.

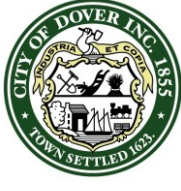
Deputy Mayor Carrier moved to accept the Strafford County Regional Planning Report; seconded by Councilor Thibodeaux.

Vote: 8/0.

Councilor Williams gave an overview of the Tri-City Homelessness Task Force Report to the Council.

Deputy Mayor Carrier moved to accept the Tri-City Homelessness Task Force Report; seconded by Councilor Keane.

Vote: 8/0.

 CITY OF DOVER	<table> <tr> <th colspan="2">CITY COUNCIL - AGENDA</th></tr> <tr> <td>Meeting Type:</td><td>Regular Meeting</td></tr> <tr> <td>Meeting Location:</td><td>City Hall, Council Chambers</td></tr> <tr> <td>Meeting Date:</td><td>Wednesday, December 12, 2018</td></tr> <tr> <td>Meeting Time:</td><td>7:00pm</td></tr> </table>	CITY COUNCIL - AGENDA		Meeting Type:	Regular Meeting	Meeting Location:	City Hall, Council Chambers	Meeting Date:	Wednesday, December 12, 2018	Meeting Time:	7:00pm
CITY COUNCIL - AGENDA											
Meeting Type:	Regular Meeting										
Meeting Location:	City Hall, Council Chambers										
Meeting Date:	Wednesday, December 12, 2018										
Meeting Time:	7:00pm										

B. RESOLUTIONS

1. ACCEPTANCE OF THORNWOOD LANE SPONSORED BY MAYOR WESTON BY REQUEST

Moved up on the Agenda to follow Item 12.C.1.

C. ORDINANCES IN 1ST READING

14. COUNCIL CORRESPONDENCE

15. COUNCIL MATTERS OF INTEREST

Councilor Keane started a discussion regarding the creation of a Sub-committee which consisted of members from both the City Council and School Board.

Mayor Weston said she will contact the School Board Chairperson to start the discussion.

Mayor Weston said this was the last meeting of the year. She talked about the food drive with the Police Department, and the Toys for Tots drive with the Fire Department.

Deputy Mayor Carrier asked about the Code Book and possible updates.

City Manager Joyal said the Ordinance Committee and City Attorney Blenkinsop have been working on the recodification of the Code Book.

16. ADJOURN

Councilor Muffett-Lipinski moved to adjourn; seconded by Councilor Williams.

Vote: 8/0.



**PERMIT APPLICATION
CITY OF DOVER, NEW HAMPSHIRE**

Check (✓) the type of application:

RAFFLE* X, TAG* _____, BLOCK PARTY** X

Fill In Completely and Return To City Clerk – PLEASE NO LATER THAN 30 DAYS PRIOR TO EVENT

Organization Name: SOS Recovery Community Center
Federal Tax ID number for Organization: 02-0304203

Check (✓) Nature of Organization:

Religious _____, Educational _____, Charitable X, Civic _____, Sports _____, Veterans _____, Fraternal or Political _____, Other _____
(Describe) SOS Rec is a Recovery Community Org. See attached.

Contact Person: Rene Philpott Day Time Telephone: 603-841-0996

Address: 4 Broadway, Dover, NH Email: RPhilpott@goodwinchoir.org

Purpose of Permit: To Hold A Recovery Rally & Raffle Items - See attached

Date of Event: 9/14/18 Specific Time: 8am to 5:30 pm. Actual event 10:30 - 3:30 pm

Location of Event: Henry Law Park

*****RAFFLE / TAG PERMITS*****

Prize (s) To Be Awarded: Variety of Raffle Items (See attached)

Cost of Ticket: \$1 each, 6 for \$5.00 Date of Drawing: 9/14/19

Place of Drawing: Henry Law Park

*** NOTICE TO RAFFLE AND TAG PERMIT APPLICANTS:** Please be advised the City will verify that your organization is in compliance with the regulations of N.H. Charitable Trusts Unit of the Attorney General's Office prior to the acceptance of your application. The police department may contact you to obtain additional information. Please provide a way for us to contact you during the day so the request can expedited. Information on these requirements may be found at

<http://www.doj.nh.gov/charitable-trusts/faq.htm>

*****BLOCK PARTY PERMITS*****

****NOTICE TO BLOCK PARTY APPLICANTS:** STREET CLOSURES, TRAFFIC DETOURS, AND/OR PARKING RESTRICTIONS MUST BE ARRANGED WITH THE POLICE DEPARTMENT

Block Party Location (attach map if more than one street is affected): _____

Police Department Block Party Approval Signature: _____

Printed Name: _____

I CERTIFY THAT THE ABOVE STATEMENTS ARE TRUE AND CORRECT. I UNDERSTAND THAT THIS PERMIT IS ISSUED BY THE CITY COUNCIL PER the provisions of RSA 287-A, RSA 31:91 and/or RSA 286 and I agree to abide by the same.

SIGNATURE OF APPLICANT: _____

DATE: 12/12/18

(duly authorized)

PRINTED NAME: John Burns

Licensing Board Approval _____

Date: _____



**PERMIT APPLICATION
CITY OF DOVER, NEW HAMPSHIRE**

Check (☒) the type of application:

RAFFLE* ☒, TAG* _____, BLOCK PARTY** ☒,

Fill In Completely and Return To City Clerk -- PLEASE NO LATER THAN 30 DAYS PRIOR TO EVENT

Organization Name: Pope Memorial Cochecho Valley Humane Society
Federal Tax ID number for Organization: 22-2561784

Check (☒) Nature of Organization:

Religious _____, Educational _____, Charitable ☒, Civic _____, Sports _____, Veterans _____, Fraternal or Political _____, Other _____
(Describe) Animal Shelter

Contact Person: Melanie Burger Day Time Telephone: 603 749 5322 x113

Address: 262 County Farm Rd, Dover Email mburger@cvhsonline.org

Purpose of Permit: To hold a fundraising event w/ vendors + raffles in Henry Law Park

Date of Event: June 2, 2019 Specific Time: 10am-2pm (setting up @ 8am)

Location of Event: Henry Law Park

*****RAFFLE / TAG PERMITS*****

Prize (s) To Be Awarded: Various prize baskets of donated items- petcare, giftcards, etc.

Cost of Ticket: \$1 for 1, \$5 for 5, \$20 for 20 Date of Drawing: June 2, 2019

Place of Drawing: Henry Law Park

* NOTICE TO RAFFLE AND TAG PERMIT APPLICANTS: Please be advised the City will verify that your organization is in compliance with the regulations of N.H. Charitable Trusts Unit of the Attorney General's Office prior to the acceptance of your application. The police department may contact you to obtain additional information. Please provide a way for us to contact you during the day so the request can expedited. Information on these requirements may be found at

<http://www.doj.nh.gov/charitable-trusts/faq.htm>

*****BLOCK PARTY PERMITS*****

**NOTICE TO BLOCK PARTY APPLICANTS: STREET CLOSURES, TRAFFIC DETOURS, AND/OR PARKING RESTRICTIONS MUST BE ARRANGED WITH THE POLICE DEPARTMENT

Block Party Location (attach map if more than one street is affected): Henry Law Park

Police Department Block Party Approval Signature: _____

Printed Name: _____

I CERTIFY THAT THE ABOVE STATEMENTS ARE TRUE AND CORRECT. I UNDERSTAND THAT THIS PERMIT IS ISSUED BY THE CITY COUNCIL PER the provisions of RSA 287-A , RSA 31:91 and/or RSA 286 and I agree to abide by the same.

SIGNATURE OF APPLICANT: DATE: 12/18/2018

(duly authorized)

PRINTED NAME: Melanie Burger

Licensing Board Approval _____ Date: _____



PERMIT APPLICATION
CITY OF DOVER, NEW HAMPSHIRE

Check(☒) the type of application:

PARADE** ☒, ROAD TOLL*** _____,

Fill In Completely and Return To City Clerk -- PLEASE NO LATER THAN 30 DAYS PRIOR TO EVENT

Organization Name: Pope Memorial Cocheco Valley Humane Society
Federal Tax ID number for Organization: 22-2561784

Check(☒) Nature of Organization:

Religious____, Educational____, Charitable ☒, Civic____, Sports____, Veterans____, Fraternal or Political____, Other____

Name/Description of Event (if applicable): Tails to Trails 5K

Contact Person: Melanie Burger Day Time Telephone: 603 749 5322 x113

Address: 202 County Farm Rd, Dover Email: mburger@cvhsonline.org

Date of Event: June 2, 2019 Specific Time: 10am

Location of Event (if parade, attach course description or map): map attached

*****PARADE PERMITS*****

****NOTE: ALL REQUESTS FOR PARADE PERMITS MUST HAVE PARADE ROUTE APPROVED BY THE POLICE DEPT. BEFORE GOING ON THE COUNCIL AGENDA**

Police Department Parade Route Approval Signature: _____

Printed Name: _____ Check Here If Parade Route Is Attached: _____

*****ROAD TOLL PERMITS*****

*****NOTE: SOLICITING DONATIONS IS PROHIBITED FROM THE ROADWAY WITHOUT SPECIAL PERMISSION FROM THE POLICE DEPARTMENT**

Road Toll Location: _____

Police Department Road Toll Approval Signature: _____

Printed Name: _____

Unless expressly waived in writing by the Licensing Board, the Organization agrees to defend, indemnify, and hold harmless the City of Dover from any claims, losses, and/or damages arising out of the event, and to name the City of Dover as an additional insured on its general liability insurance policy in amounts of not less than One Million Dollars (\$1,000,000) per occurrence and Two Million Dollars (\$2,000,000) in the aggregate. The Organization/Applicant shall provide the City a certificate of insurance evidencing such additional insured status no less than fifteen (15) days prior to the event.

I CERTIFY THAT THE ABOVE STATEMENTS ARE TRUE AND CORRECT. I UNDERSTAND THAT THIS PERMIT IS ISSUED BY THE CITY COUNCIL per the provisions of RSA 287-A, RSA 31:91 and/or RSA 286 and I agree to abide by the same.

SIGNATURE OF APPLICANT: _____

DATE: 12/18/2018

(duly authorized)

PRINTED NAME: Melanie Burger

Licensing Board Approval _____ Date: _____



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.A.4.

Resolution Number: **R – 2019.01.09 – 001**

Resolution Re: **Access Easement for Public Access Over Thornwood Commons Trails**

WHEREAS: Thornwood Commons Unit Owners Association desires to donate to the City a public access easement over a portion of its land for non-motorized public recreational access land; and

WHEREAS: The easement would grant the public the right to pass and repass over the trail that crosses the property; and

WHEREAS: Said easement shall be perpetual and shall be used to cross and recross the easement area by non-motorized means, except those with mobility impairments utilizing motorized mobility assistance devices.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND DOVER CITY COUNCIL THAT:

The City Manager is authorized to finalize and sign an access easement between Thornwood Commons Unit Owners Association and the City of Dover and to take any necessary steps to record said easement at the Strafford County Registry of Deeds.

AUTHORIZATION

Approved as to Funding:

Daniel R. Lynch
Finance Director

Sponsored by:

Mayor Karen Weston

Approved as to Legal
Form and Compliance:

Anthony Blenkinsop
City Attorney

Recorded by:

Susan Mistretta
City Clerk

 CITY OF DOVER	CITY OF DOVER - RESOLUTION	
	Agenda Item#: 13.A.4.	
Resolution Number: R – 2019.01.09 – 001 Resolution Re: Access Easement for Public Access Over Thornwood Commons Trails		

DOCUMENT HISTORY:

First Reading Date: _____ Approved Date: _____	Public Hearing Date: _____ Effective Date: _____
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DOCUMENT ACTIONS:

VOTING RECORD		
Date of Vote:	YES	NO
Mayor Karen Weston		
Deputy Mayor Robert Carrier, At Large		
Councilor Michelle Muffett-Lipinski, Ward 1		
Councilor Dennis Ciotti, Ward 2		
Councilor Deborah Thibodeaux, Ward 3		
Councilor Marcia Gasses, Ward 4		
Councilor Dennis Shanahan, Ward 5		
Councilor Matthew Keane, Ward 6		
Councilor Lindsay Williams, At Large		
Total Votes:		
Resolution does does not pass.		

RESOLUTION BACKGROUND MATERIAL:

See attached draft access easement between Thornwood Commons Unit Owners Association and the City of Dover and easement plan.

Prepared By:

Edmund A. Allcock, Esq.
Marcus Errico Emmer & Brooks, P.C.
45 Braintree Hill Office Park
Braintree, MA 02184
781-843-5000
eallaock@meeb.com

ACCESS EASEMENT

Thornwood Commons Unit Owners Association, a New Hampshire unit owners association, with an address of c/o Great North Property Management, 3 Holland Way, Exeter, New Hampshire 03833 ("Grantor"), for consideration paid, grants to the **CITY OF DOVER**, a municipal corporation, with an address of 288 Central Avenue, Dover, New Hampshire 03820 ("Grantee"), an access easement over a certain tract of land, with the improvements thereon, situated in Dover, Strafford County, New Hampshire more particularly described on Tax Map M, Lot 4 and recorded in the Strafford County Registry of Deeds at Book 3660, Page 0318. Said access easement is described in Exhibit A attached hereto ("Easement Area") to provide non-motorized public access to certain land.

Said access easement shall be perpetual and shall be used in common with Grantor and Grantor's successors and assigns, over and across the Easement Area permitting Grantee and its licensees and invitees, the right to cross and recross the Easement Area by non-motorized means, except those with mobility impairments utilizing motorized mobility assistance devices. Grantor reserves the right to use the Easement Area so long as such use does not materially adversely affect the rights of Grantee hereunder.

By accepting and recording this Easement, and in exercising the easement rights granted herein, Grantee shall: (i) comply with all applicable laws, regulations and codes, including those pertaining to the environment; (ii) not cause any damage to the Easement Area; and (iii) promptly repair any damage to the Easement Area caused by the Grantee.

Grantor reserves the right to adopt rules and regulations relating to the use of the Easement Area, with the advanced written approval of the Grantee, which approval shall not be unreasonably withheld. Any such rules and regulations shall not be inconsistent with the public access purposes of this Easement.

Grantee shall have the right, at its discretion, to perform maintenance on the Easement Area, at Grantee's sole cost and expense to preserve and maintain the public access purposes of this Easement provided that Grantee provides Grantor at least five (5) days written notice and agrees to

use best efforts to minimize interference with Grantor and its tenants.

In granting and accepting this Easement, the Grantor and Grantee intend the use of the Easement Area to be available to the public free of charge and for recreational purposes consistent with the provisions of RSA 508:14 and RSA 212:34, as in effect on the date of this Easement, or such successor statutes as may be enacted.

Meaning and intending to describe and to convey an easement area over a portion of the premises that were conveyed to the within Grantor by Receiver's Deed from Elliot Rose Company of Dover, Inc., by its Court Appointed Receiver, Carl W. Potvin, dated July 3, 2008 and recorded in the Strafford County Registry of Deeds at Book 3660 Page 0351.

Subject to all easements, agreements, covenants and restrictions of record.

This conveyance is exempt from transfer tax pursuant to New Hampshire RSA 78-B:21.

EXECUTED this _____ day of _____, 2019.

THORNWOOD COMMONS UNIT OWNERS
ASSOCIATION

By: _____
John R. Roberge,
President

STATE OF NEW HAMPSHIRE
COUNTY OF _____

This instrument was acknowledged before me on this _____ day of _____,
2018 by John R. Roberge, as President of Thornwood Commons Unit Owners Association.

Notary Public / Justice of the Peace

My commission expires:

AFFIX STAMP OR SEAL

EXHIBIT A
(Easement Area)

Thornwood Common Trail Easement Area Description

The Easement Area is located on Tax Map M, Lot 4 and is described below and on the attached Proposed Easement Plan dated August 23, 2018, Revision date of October 17, 2018.

Beginning at a ½" rebar with Id cap set up 0.5' on the common boundary line of Thornwood Commons and Varney Brook Lands, LLC. The rebar is S09°33'45"W at a distance of ninety-two and sixteen hundredths (92.16') feet from the Southerly sideline of Pointe Place.

Thence turning and running S51°13'24"E for a distance of sixty and no hundredths (60.00') feet to a ½" rebar with ID cap set up 0.8';

Thence turning and running S09°33'45"W for a distance of three hundred fifty-six and two hundredths (356.02') feet to a ½" rebar with ID cap set up 0.5';

Thence turning and running S51°13'24"E for a distance of thirty-six and nineteen hundredths (36.19') feet to a ½" rebar with ID cap set up 0.5';

Thence turning and running S09°33'45"W for a distance of ninety-seven and sixty-seven hundredths (97.67') feet to a ½" rebar with ID cap set up 0.5' at land of Dover Brook, LLC;

Thence turning and running along land of said Dover Brook, LLC N51°13'24"W for a distance of fifty-one and ninety-four hundredths (51.94') feet to a ¾" rebar with ID cap set up 0.5';

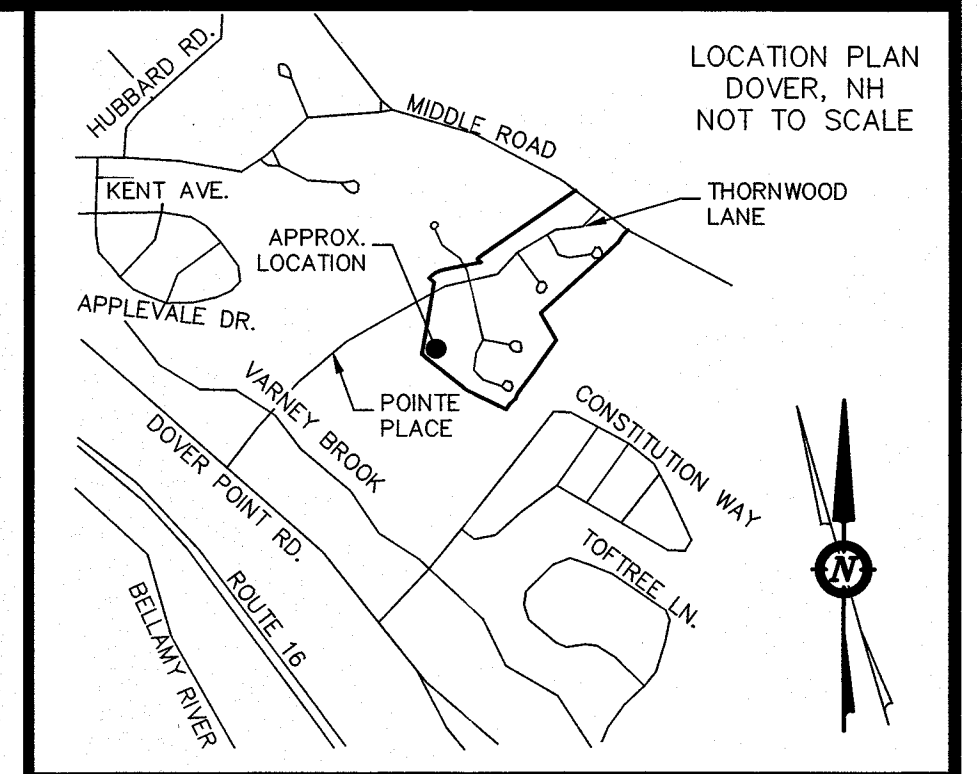
Thence continuing N51°13'24"W for a distance of forty-four and twenty-four hundredths (44.24') feet to a Tritech iron bound found up 0.3' at land of Varney Brook Lands, LLC;

Thence turning and running along land of said Varney Brook Lands, LLC N09°33'45"E for a distance of four hundred fifty-three and sixty-nine hundredths (453.69') feet to a ½" rebar with Id cap set up 0.5' and the point begun at;

Having an area of 26,884 Square Feet, 0.61 Acres.

PLAN REFERENCES:

- 1.) "CONDOMINIUM SITE PLAN, THORNWOOD COMMONS CONDOMINIUM, MIDDLE ROAD AND THORNWOOD LANE, DOVER, NEW HAMPSHIRE"
BY: TRITECH ENGINEERING CORPORATION
DATED: JANUARY 21, 2013
S.C.R.D.: PLAN 104-96
- 2.) "SUBDIVISION PLAN OF LAND PREPARED FOR VARNEY BROOK LANDS, LLC, TAX MAP K, LOT NO. 19-4, POINTE PLACE, CITY OF DOVER, COUNTY OF STRAFFORD, STATE OF NEW HAMPSHIRE"
BY: MCNEANEY SURVEY ASSOCIATES, INC.
DATED: NOVEMBER 17, 2016
S.C.R.D. PLAN #113-70

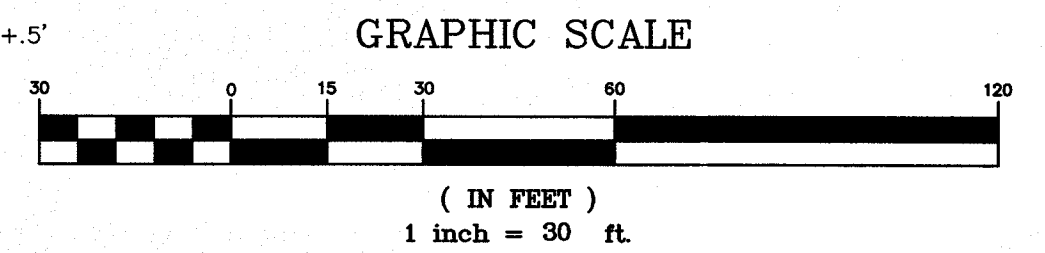


NOTES:

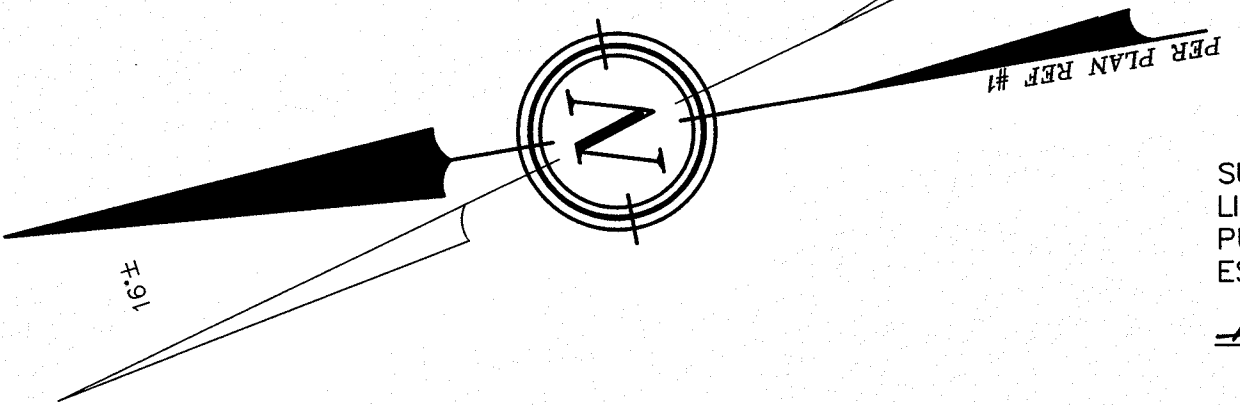
- 1.) UNIT OWNERS: THORNWOOD COMMONS, UNIT OWNERS ASSOCIATION
C/O GREAT NORTH PROPERTY MANAGEMENT
3 HOLLAND WAY
EXETER, NH 03833
- 2.) TAX MAP M, LOT 4
- 3.) LOT AREA: 1,178,472± Sq. Ft., 27.05± Ac.
- 4.) S.C.R.D. BOOK 4418, PAGE 582
FOR TITLE REFERENCE SEE BOOK 3660, PAGE 318
- 5.) THE INTENT OF THIS PLAN IS TO SHOW AN EASEMENT OVER TAX MAP M, LOT 4 THAT COVERS THE ENTIRETY OF A WALKING TRAIL.

LEGEND:

- REBAR W/ ID CAP (SET 10-16-18)
- IRON BOUND (FND)
- GRANITE BOUND (FND)
- PROPOSED EASEMENT LINE
- - - EDGE OF WETLANDS
- - - EXISTING FOOTPATH
- FND FOUND
- TBS TO BE SET
- TYP TYPICAL
- S.C.R.D. STRAFFORD COUNTY REGISTRY OF DEEDS

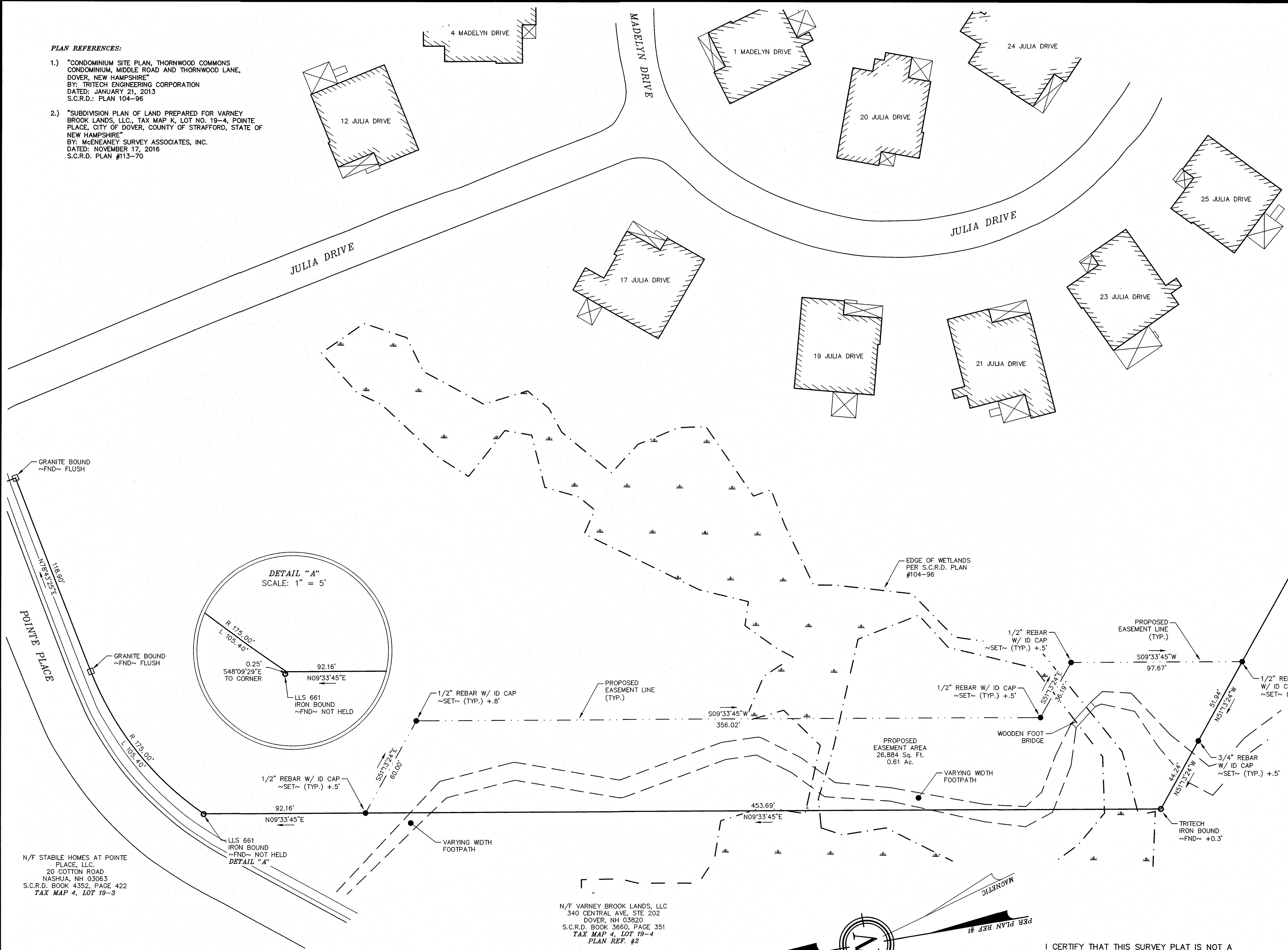


#1	10-17-18	SHOW BOUNDS SET
REVISION	DATE	DESCRIPTION
PROPOSED EASEMENT PLAN FOR THORNWOOD COMMONS UNIT OWNERS ASSOCIATION THORNWOOD LANE DOVER, N.H. TAX MAP M, LOT 4		
BERRY SURVEYING & ENGINEERING 335 SECOND CROWN POINT RD. BARRINGTON, N.H. (603)332-2863		
SCALE : 1 IN. EQUALS 30 FT.		
DATE : AUGUST 23, 2018		
FILE NO. : DB 2018-091		



I CERTIFY THAT THIS SURVEY PLAT IS NOT A SUBDIVISION PURSUANT TO THIS TITLE AND THAT THE LINES OF STREETS AND WAYS SHOWN ARE THOSE OF PUBLIC OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED AND THAT NO NEW WAYS ARE SHOWN.

Kenneth A. Berry 10-23-18
KENNETH A. BERRY L.L.S. 805 DATE



N/F STABLE HOMES AT POINTE PLACE, LLC.
20 COTTON ROAD
NASHUA, NH 03063
S.C.R.D. BOOK 4352, PAGE 422
TAX MAP 4, LOT 19-3

N/F VARNEY BROOK LANDS, LLC
340 CENTRAL AVE, STE 202
DOVER, NH 03820
S.C.R.D. BOOK 3660, PAGE 351
TAX MAP 4, LOT 19-4
PLAN REF. #2

N/F DOVER BROOK, LLC.
40 NEWBRIDGE ROAD
SALISBURY, MA 01776
S.C.R.D. BOOK 1986, PAGE 539
TAX MAP K, LOT 21



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.A.5.

Resolution Number: **R – 2019.01.09 – 002**
Resolution Re: Bobcat 5600 ToolCat, Sourcewell formally known as
National Joint Powers Alliance

- WHEREAS: The City of Dover plans to experiment with steam treatment for curbside weed control and needs a vehicle to haul the related steam equipment and water tank (1 ton capacity). Such vehicle will be adaptable for other uses such as brush mowing, winter sidewalk plowing, etc.; and
- WHEREAS: The City of Dover is a member of Sourcewell formally the National Joint Powers Alliance (NJPA) and therefore may purchase utilizing any of their cooperative purchasing agreements. The NJPA solicited Bid # RFP042815 and has entered into an agreement #042815 CEC with Bobcat for various pieces of construction equipment. One of the categories awarded to them is for compact utility equipment and accessories. The City of Dover reached out to the local distributor in Chichester, NH for pricing of one Bobcat 5600 utility work machine with attachments and received pricing in the amount of \$57,079.00. It is the recommendation to award to Bobcat of NH as outlined; and
- WHEREAS: Per Administrative Code Chapter 3 Article III 3-37B Exemptions to Competitive Bidding: Purchases made through the State of NH, other governmental agencies, and cooperative buying groups.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND DOVER CITY COUNCIL THAT:

The Purchasing Agent is hereby authorized to issue a Purchase Order to Bobcat of NH Inc. of Chichester, NH for a new Bobcat 5600 utility work machine and accessories at rates provided in conjunction with Sourcewell formally NJPA contract. The City Manager, or designee, is hereby authorized to contract with the vendor, consistent with the Purchase Order authorized herein.

The amount of this authorization shall be limited so as not to exceed available funding.

Financing			
Account	Description	Appropriation	Balance
4020.1.300.43121.4743.03110.20	Heavy Vehicles	300,000.00	147,851.00
1000.1.190.41991.4840.00000.00	Misc Gen Gov Contingency	348,146.00	281,778.00

AUTHORIZATION

Approved as to Funding: Daniel R. Lynch
Finance Director

Sponsored by: Mayor Karen Weston
By Request

Approved as to Legal
Form and Compliance: Anthony Blenkinsop
City Attorney

Recorded by: Susan Mistretta
City Clerk



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.A.5.

Resolution Number: **R – 2019.01.09 – 002**
Resolution Re: Bobcat 5600 ToolCat, Sourcewell formally known as
National Joint Powers Alliance

DOCUMENT HISTORY:

First Reading Date:	Public Hearing Date:
Approved Date:	Effective Date:

DOCUMENT ACTIONS:

VOTING RECORD		
Date of Vote:	YES	NO
Mayor Karen Weston		
Deputy Mayor Robert Carrier, At Large		
Councilor Michelle Muffett-Lipinski, Ward 1		
Councilor Dennis Ciotti, Ward 2		
Councilor Deborah Thibodeaux, Ward 3		
Councilor Marcia Gasses, Ward 4		
Councilor Dennis Shanahan, Ward 5		
Councilor Matthew Keane, Ward 6		
Councilor Lindsey Williams, At Large		
Total Votes:		
Resolution does does not pass.		



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.A.5.

Resolution Number: **R – 2019.01.09 – 002**
Resolution Re: Bobcat 5600 ToolCat, Sourcewell formally known as
National Joint Powers Alliance

RESOLUTION BACKGROUND MATERIAL:

The City pilot-tested a couple of commercial steam treatment units this past summer to explore a non-toxic alternative for controlling weeds in both parks and ballfields, as well as curbside along roads and highways. Steam appears to be an effective alternative to chemical-based herbicides, such as glyphosate. Steam has widely been embraced in European markets. The only key obstacle is speed and efficiency in applying the steam along curbside applications. Turn-key platforms, including steam unit and vehicle were quoted in excess of \$200,000 from European suppliers.

Fleet Maintenance staff have reviewed packaging a steam treatment unit on a small piece of construction equipment and recommend utilizing a Bobcat 5600. This unit can handle the weight (in excess of 1 ton) and also has the appropriate transmission and gearing to travel slowly for proper application of steam in curbside applications.

In an effort to obtain standardization, reliability, best costs, best return policies, training and ongoing support after maintenance expiration, the City wishes to utilize this agreement with Bobcat of NH.

Bid Information:

Sourcewell formally known as NJPA bid RFP042815-CEC discounted 12%. The Purchasing Agent may, with approval by the City Manager, waive the bidding procedure when purchasing can be accomplished through the State of NH, or at State bid prices, other governmental agencies or cooperative buying group.

Award Information:

A purchase order will be issued to the vendor selected to authorize expenditures as outlined in this resolution.

Purchasing Information:

Type:	Purchase Order	Advertised:	No
Invitations Mailed:	NA	Number of Responses:	NA
Warranty:	manufacturer	Terms:	Net 30, FOB Dover
Work Bonded:	No	Contract:	Yes
Prices will hold for:	Until Delivered	Estimated Delivery:	4 weeks
Recommended Award to:	Bobcat of NH Chichester	Fund:	CIP
Other Approvals Required:	No	References Checked:	Satisfactory
Previously Worked for City:	Yes	Reason for Council Approval:	Purchase to exceed the \$25,000 amount requiring Council approval subsequent to a bid solicitation

[B17017 Bobcat Quote](#)



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.A.6.

Resolution Number: **R – 2019.01.09 – 003**
Resolution Re: Caterpillar Generator, Sourcewell formally known as
National Joint Powers Alliance

WHEREAS: The City of Dover is a member of Sourcewell formally the National Joint Powers Alliance (NJPA) and therefore may purchase utilizing any of their cooperative purchasing agreements. The NJPA solicited Bid # RFP120617 and has entered into an agreement #120617-CAT with Caterpillar Inc for various generator equipment. The City of Dover reached out to the local distributor Southworth Milton CAT in North Redding MA for pricing of one new indoor Caterpillar Model C15 diesel fueled emergency packaged generator set with attachments and received pricing in the amount of \$86,859.00; and

WHEREAS: It is the recommendation to award to Southworth Milton CAT of North Redding MA as outlined; and

WHEREAS: Per Administrative Code Chapter 3 Article III 3-37B Exemptions to Competitive Bidding: Purchases made through the State of NH, other governmental agencies, and cooperative buying groups.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND DOVER CITY COUNCIL THAT:

The Purchasing Agent is hereby authorized to issue a Purchase Order to Southworth Milton CAT of North Redding MA for a new CAT C15 Generator and accessories at rates provided in conjunction with Sourcewell formally NJPA contract. The City Manager, or designee, is hereby authorized to contract with the vendor, consistent with the Purchase Order authorized herein.

The amount of this authorization shall be limited so as not to exceed available funding.

Financing

Account	Description	Appropriation	Balance
5320.1.300.43256.4725.04590.12	WWTP Building Improvements	513,000	127,498

AUTHORIZATION

Approved as to Funding: Daniel R. Lynch
Finance Director

Sponsored by: Mayor Karen Weston
By Request

Approved as to Legal
Form and Compliance: Anthony Blenkinsop
City Attorney

Recorded by: Susan Mistretta
City Clerk



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.A.6.

Resolution Number: **R – 2019.01.09 – 003**
Resolution Re: Caterpillar Generator, Sourcewell formally known as
National Joint Powers Alliance

DOCUMENT HISTORY:

First Reading Date:	Public Hearing Date:
Approved Date:	Effective Date:

DOCUMENT ACTIONS:

VOTING RECORD		
Date of Vote:	YES	NO
Mayor Karen Weston		
Deputy Mayor Robert Carrier, At Large		
Councilor Michelle Muffett-Lipinski, Ward 1		
Councilor Dennis Ciotti, Ward 2		
Councilor Deborah Thibodeaux, Ward 3		
Councilor Marcia Gasses, Ward 4		
Councilor Dennis Shanahan, Ward 5		
Councilor Matthew Keane, Ward 6		
Councilor Lindsey Williams, At Large		
Total Votes:		
Resolution does does not pass.		



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.A.6.

Resolution Number: **R – 2019.01.09 – 003**
Resolution Re: Caterpillar Generator, Sourcewell formally known as
National Joint Powers Alliance

RESOLUTION BACKGROUND MATERIAL:

In an effort to obtain standardization, reliability, best costs, best return policies, training and ongoing support after maintenance expiration, the City wishes to utilize this agreement with Caterpillar Inc local distributor, Southworth Milton of North Redding MA.

Bid Information:

Sourcewell formally known as NJPA bid RFP 120617-CAT discounted units at 37%. The Purchasing Agent may, with approval by the City Manager, waive the bidding procedure when purchasing can be accomplished through the State of NH, or at State bid prices, other governmental agencies or cooperative buying group.

Award Information:

A purchase order will be issued to the vendor selected to authorize expenditures as outlined in this resolution.

Purchasing Information:

Type:	Purchase Order	Advertised:	No
Invitations Mailed:	NA	Number of Responses:	NA
Warranty:	manufacturer	Terms:	Net 30, FOB Dover
Work Bonded:	No	Contract:	Yes
Prices will hold for:	Until Delivered	Estimated Delivery:	
Recommended Award to:	Southworth Milton CAT	Fund:	CIP
Other Approvals Required:	No	References Checked:	Satisfactory
Previously Worked for City:	Yes	Reason for Council Approval:	Purchase to exceed the \$25,000 amount requiring Council approval subsequent to a bid solicitation

[B19032 WWTP Standby Generator Quote](#)



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.A.7.

Resolution Number: **R – 2019.01.09 – 004**
Resolution Re: Huber Inclined Screw Press Installation with Apex
Construction Inc

- WHEREAS: Huber Technology, Inc. desires to pilot test two models of the updated RoS3Q 800 Screw Press at the Dover, NH WWTF. The Dover WWTF provides an ideal environment for pilot test since this facility has the capability of running various sludge types. The Dover, NH WWTF also has the previous design of the RoS3Q 800 in current operation which Huber Technology, Inc would like to replace with its updated version; and
- WHEREAS: City Council recently approved the purchase of two more screw press units for \$1.00 via resolution [R-2018.12.12-159](#); and
- WHEREAS: Sealed request for proposals B14031 were solicited and received on February 12, 2014 for a comprehensive upgrade to the Waste Water Treatment Facility and awarded to Apex Construction Inc. In 2015 as part of their scope of work, they installed the first Huber Inclined Screw Press; and
- WHEREAS: The City received an informal quote from Apex Construction, Inc to complete the additional work associated with the installation of these two new units. The costs would be based on time and materials and is estimated (worst case scenario) of \$45,000.00; and
- WHEREAS: Due to the positive history and experience with this work on previous install, city staff recommends award as outlined; and
- WHEREAS: Per Administrative Code Chapter 3 Article III 3-36B Competitive Bidding: Competitive bidding may be waived by a majority vote of the City Council.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND DOVER CITY COUNCIL THAT:

The purchasing agent is hereby authorized to issue a Purchase Order to Apex Construction of Somersworth NH for the installation of the two new units at rates based on time and materials in the amount not to exceed \$45,000.00. The City Manager, or designee, is hereby authorized to contract with the vendor, consistent with the Purchase Order authorized herein.

The amount of this authorization shall be limited so as not to exceed available funding.

Financing			
Account	Description	Appropriation	Balance
5320.1.300.43256.4725.04590.12	WWTP upgrade	513,000	190,653



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.A.7.

Resolution Number: **R – 2019.01.09 – 004**
Resolution Re: Huber Inclined Screw Press Installation with Apex
Construction Inc

AUTHORIZATION

Approved as to Funding: Daniel R. Lynch
Finance Director

Sponsored by: Mayor Karen Weston
By Request

Approved as to Legal Form and Compliance: Anthony Blenkinsop
City Attorney

Recorded by: Susan Mistretta
City Clerk

DOCUMENT HISTORY:

First Reading Date:	Public Hearing Date:
Approved Date:	Effective Date:

DOCUMENT ACTIONS:

VOTING RECORD		
Date of Vote:	YES	NO
Mayor Karen Weston		
Deputy Mayor Robert Carrier, At Large		
Councilor Michelle Muffett-Lipinski, Ward 1		
Councilor Dennis Ciotti, Ward 2		
Councilor Deborah Thibodeaux, Ward 3		
Councilor Marcia Gasses, Ward 4		
Councilor Dennis Shanahan, Ward 5		
Councilor Matthew Keane, Ward 6		
Councilor Lindsey Williams, At Large		
Total Votes:		
Resolution does does not pass.		



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.A.7.

Resolution Number: **R – 2019.01.09 – 004**
Resolution Re: Huber Inclined Screw Press Installation with Apex
Construction Inc

RESOLUTION BACKGROUND MATERIAL:

The proposal received is for time and material estimated at:

Crane: \$1500 mobilization, \$1,500 per day of use, \$1,500 demobilization

Superintendent: \$70/ hour

Mechanic/ pipe fitter/ form carpenter/ skilled etc.: \$55/hour

Laborer: \$45/ hour

Truck & small tools: \$200/ day (each day on site)

Demo saw: \$160/ day

Hammers, bits: \$75/ day

Air hammer, bits, compressor: \$250/ day

New concrete piers: \$1,000 per press

City Staff have experience with the installation of the previous Screw Press. They estimate it will take 2 days removal per press, plus another 2 days for demolition and rebuild of the support piers. Another 2 days is included for the installation of the new presses. The estimate includes and allowance of 4 days of crane use per press (2 days demo, 2 days install). An allowance of 2 days is included for the demolition process, including related tools and equipment. The crane will also be required for the removal of concrete demolition debris from the press room, which is included in the overall 4 days of use per press. The City has disposal options for the concrete debris, which helps avoid disposal and hauling costs. Staff feel this is a reasonably conservative estimate and is confident with the \$45,000 estimate.

Bid Information:

Sealed request for proposals B14031 were solicited and received on February 12, 2014 at 2:00 pm for a comprehensive upgrade to the Waste Water Treatment Facility.

Award Information:

A purchase order will be issued to the vendor selected to authorize expenditures as outlined in this resolution.

Purchasing Information:

Type:	Purchase Order	Advertised:	yes
Invitations Mailed:	218	Number of Responses:	3
Warranty:	Manufacturer	Terms:	Net 30, FOB Dover
Work Bonded:	No	Contract:	Yes
Prices will hold for:	Until completion	Estimated Delivery:	As needed
Recommended Award to:	Apex Construction	Fund:	CIP
Other Approvals Required:	No	References Checked:	Satisfactory
Previously Worked for City:	yes	Reason for Council Approval:	Purchase to exceed the \$25,000 amount requiring Council approval subsequent to a bid solicitation



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.A.8.

Resolution Number: **R – 2019.01.09 – 005**

Resolution Re: Award Purchase of ESRI ArcGIS Software

WHEREAS: In March 2007 New Hampshire municipal GIS survey conducted by GRANIT, revealed ESRI ArcGIS software, a market-leader in the field of spatial data management, is also the primary application used within the State of New Hampshire. By using a more widely accepted platform, municipal employees are able to use GIS data without the time-consuming work of converting it; and

WHEREAS: The State of New Hampshire awarded their contract to ESRI and the City of Dover was permitted per Dover Purchasing Procedure and approved council resolution [R-2008.03.12-030](#) to take advantage of pricing through this State of New Hampshire Contract; and

WHEREAS: The City has received a cost proposal in the amount of \$58,630 for up to four core upgrades; and

WHEREAS: Per Administrative Code Chapter 3 Article III 3-37B Exemptions to Competitive Bidding: Purchases made through the State of NH, other governmental agencies, and cooperative buying groups.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND DOVER CITY COUNCIL THAT:

The Purchasing Agent is hereby authorized to issue a Purchase Order to ESRI Corp of Redlands CA for ArcGIS Enterprise Standard up to four cores upgrade services in the amount not to exceed \$58,630.00. The City Manager, or designee, is hereby authorized to contract with the vendor, consistent with the Purchase Order authorized herein.

The amount of this authorization shall be limited so as not to exceed available funding.

Financing

Account	Description	Appropriation	Balance
6100.1.550.49200.4745.09100.97	Computers & Communication	56,485.78	33,367.24
6100.1.550.49200.4341.09100.00	Dovernet Technical Service	83,748.00	64,129.00
6100.1.550.49200.4240.09100.00	Dovernet Staff Development	15,000.00	14,850.00

AUTHORIZATION

Approved as to Funding: Daniel R. Lynch
Finance Director

Sponsored by: Mayor Karen Weston
By Request

Approved as to Legal: Anthony Blenkinsop
Form and Compliance: City Attorney

Recorded by: Susan Mistretta
City Clerk



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.A.8.

Resolution Number: **R – 2019.01.09 – 005**
Resolution Re: Award Purchase of ESRI ArcGIS Software

DOCUMENT HISTORY:

First Reading Date:	Public Hearing Date:
Approved Date:	Effective Date:

DOCUMENT ACTIONS:

VOTING RECORD		
Date of Vote:	YES	NO
Mayor Karen Weston		
Deputy Mayor Robert Carrier, At Large		
Councilor Michelle Muffett-Lipinski, Ward 1		
Councilor Dennis Ciotti, Ward 2		
Councilor Deborah Thibodeaux, Ward 3		
Councilor Marcia Gasses, Ward 4		
Councilor Dennis Shanahan, Ward 5		
Councilor Matthew Keane, Ward 6		
Councilor Lindsey Williams, At Large		
Total Votes:		
Resolution does does not pass.		



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.A.8.

Resolution Number: **R – 2019.01.09 – 005**

Resolution Re: Award Purchase of ESRI ArcGIS Software

RESOLUTION BACKGROUND MATERIAL:

This project was included in the FY2019 operational budget process. As part of this project, there will be additional requisitions for Dell server hardware, Microsoft operating system and SQL software, Veeam backup license and CompassCom software. CompassCom provides a connector between our vehicle location data and ESRI GeoEvent server. This resolution pertains to upgraded ESRI ArcGIS products.

State NH Bid/Pricing Information:

Qty	Description	Price
1	ArcGIS Enterprise standard (Windows) up to 4 cores upgrade	\$9,000.00
1	ArcGIS GeoEvent Server (Windows) up to 4 cores license	\$18,000.00
1	ArcGIS GeoEvent Server Jumpstart Services	\$14,000.00
1	ArcGIS Enterprise Jumpstart Services	\$14,000.00
6	ESRI Training Pass per Day \$605.00 per day	\$3,630.00

State NH Pricing Contract # 8001215

Total \$58,630.00

The State of New Hampshire solicited bids from qualified vendors for GIS Products and any municipality can “piggy back” on those same contracts with special contract pricing with the vendor identified.

Award Information:

A blanket purchase order will be issued to the vendor selected to authorize future expenditures.

Purchasing Information:

Type:	Purchase Order	Advertised:	No
Invitations Mailed:	NA	Number of Responses:	NA
Warranty:	Per manufacturer	Terms:	Net 30, FOB Dover
Work Bonded:	No	Contract:	with the City & with the State of NH
Prices will hold for:	Until complete	Estimated Delivery:	As needed
Recommended Award to:	ESRI	Fund:	Various
Other Approvals Required:	No	References Checked:	Satisfactory
Previously Worked for City:	Yes	Reason for Council Approval:	Purchase to exceed the \$25,000 amount requiring Council approval subsequent to a bid solicitation



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.A.9.

Resolution Number: **R – 2019.01.09 – 006**
Resolution Re: B14074 Phase II - Professional Engineering Services for
Water Systems Facility Upgrades Change Order #5 & #6

- WHEREAS: A sealed Request for Qualifications (RFQ) B14074 was issued and received for Professional Engineering Services for Water Systems Facility Upgrades on July 9, 2014 at 11:00 am. Four firms replied and interviews were conducted on August 3, 2014 with representatives from all four firms. The evaluating committee recommended award to Underwood Engineers of Portsmouth as the top ranked firm for this project; and
- WHEREAS: In October 2016, City Council awarded Phase II for the design services with costs totaling \$350,300.00 from Underwood Engineers for work at the Willand Pond Wells, Smith / Cummins Well, Isinglass Recharge and Garrison Hill Reservoir via Resolution [R-2016.10.26-142](#). The City Council approved (3) three change orders totaling \$305,000.00 for services at Old Rochester Rd, New Rochester Rd, Bellamy and Isinglass as well as interconnect design with Somersworth via resolution [R-2017.08.09-093](#). Change order #4 in the amount of \$94,948.00 for design services for improvements to the water main along Washington and Main starting at Central Ave and ending at Broadway was approved via council resolution [R-2017.11.08-158](#); and
- WHEREAS: The City has received change order #5 in the amount of \$130,000 for construction services for improvements to the water main along Washington and Main starting at Central Ave and ending at Broadway as well as change order #6 in the amount of \$894,000 for Phase II Contract I water transmission main and Contract III Willand Pond, Smith/Cummins Wells and Somersworth Interconnection; and
- WHEREAS: To be eligible for State of NH funding through the Drinking Water State Revolving Fund, the City followed the RFQ guidelines set by the state for professional engineering services.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND DOVER CITY COUNCIL THAT:

The Purchasing Agent is hereby authorized to issue a purchase order revision #5 & #6 to Underwood Engineers of Portsmouth, NH for Phase II construction services in the amount not to exceed \$130,000 and \$894,000.00. The City Manager, or designee, is hereby authorized to contract with the vendor, consistent with the Purchase Order authorized herein.

The amount of this authorization shall be limited so as not to exceed available funding.

Financing

Account	Description	Appropriation	Balance
5300.1.300.43320.4757.03588.17	Water Main Replacement Main & Washington	1,100,000	1,005,052
5300.1.300.43320.4757.03550.17	Water Systems Facilities Upgrades c/o 6	10,654,237	9,306,550



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.A.9.

Resolution Number: **R – 2019.01.09 – 006**
Resolution Re: B14074 Phase II - Professional Engineering Services for
Water Systems Facility Upgrades Change Order #5 & #6

AUTHORIZATION

Approved as to Funding: Daniel R. Lynch
Finance Director

Sponsored by: Mayor Karen Weston
By Request

Approved as to Legal: Anthony Blenkinsop
Form and Compliance: City Attorney

Recorded by: Susan Mistretta
City Clerk

DOCUMENT HISTORY:

First Reading Date:	Public Hearing Date:
Approved Date:	Effective Date:

DOCUMENT ACTIONS:

VOTING RECORD		
Date of Vote:	YES	NO
Mayor Karen Weston		
Deputy Mayor Robert Carrier, At Large		
Councilor Michelle Muffett-Lipinski, Ward 1		
Councilor Dennis Ciotti, Ward 2		
Councilor Deborah Thibodeaux, Ward 3		
Councilor Marcia Gasses, Ward 4		
Councilor Dennis Shanahan, Ward 5		
Councilor Matthew Keane, Ward 6		
Councilor Lindsey Williams, At Large		
Total Votes:		
Resolution does does not pass.		



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.A.9.

Resolution Number: **R – 2019.01.09 – 006**
Resolution Re: B14074 Phase II - Professional Engineering Services for
Water Systems Facility Upgrades Change Order #5 & #6

RESOLUTION BACKGROUND MATERIAL:

The City of Dover requested the submission of Statements of Qualifications from full service engineering firms to provide services for water system facilities upgrades including but not limited to, eight wells and three water treatment facilities. Underwood Engineers was selected via council approval for Phase I on November 12, 2014 and awarded Phase II in the amount of \$350,300.00 on October 26, 2016.

C/O 1 to Phase II for \$4,700 Temporary PFSA Treatment and \$7,300 conceptual permanent treatment considerations C/O 1 total \$12,000. New total contract \$362,300.00

C/O 2 adding \$210,900 additional services at Rochester Road and Bellamy. New contract price \$573,200.00

C/O 3 adding \$82,100 additional services for Somersworth Interconnection. New total Contract \$655,300.00

C/O 4 adding \$94,948 additional services for Washington and Main. New total contract \$750,248.00

C/O 5 is being requested for construction services for Main and Washington in the amount of \$130,000. New contract total contract \$880,248.00

C/O 6 is being requested for construction services for Contract I water transmission main and Contract III Willand Pond, Smith/Cummins Wells and Somersworth Interconnection in the amount of \$894,000. New contract total contract \$1,774,248.00

Award Information:

A purchase order revision will be issued to the vendor selected to authorize expenditures as outlined in this resolution.

Purchasing Information:

Type:	Purchase Order	Advertised:	Yes
Invitations Mailed:	206	Number of Responses:	4
Warranty:	n/a	Terms:	Net 30, FOB Dover
Work Bonded:	No	Contract:	Yes
Prices will hold for:	Until Completed	Estimated Delivery:	2019
Recommended Award to:	Underwood Engineers	Fund:	CIP Water
Other Approvals Required:	State NH if using DWSRF	References Checked:	Satisfactory
Previously Worked for City:	Yes	Reason for Council Approval:	Purchase to exceed the \$25,000 amount requiring Council approval subsequent to a bid solicitation

[B14074 Bid Documents and Vendor List](#)



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.A.10.

Resolution Number: **R – 2019.01.09 – 007**
Resolution Re: B19022 Wastewater Treatment Facility Aeration Blower
Upgrades

WHEREAS: A sealed Request for Proposal #B19022 was issued and received for the Wastewater Treatment Facility Aeration Blower Upgrades on December 19, 2018 at 2:00 PM. A mandatory prebid meeting was conducted on December 4, 2018 with four firms attending; and

WHEREAS: Two responses were received and reviewed for necessary qualifications, experience, skills, project understanding, approach and ability to comply with proposed scope of services with low bid being submitted by Apex Construction of Somersworth, NH; and

WHEREAS: It is the recommendation to award to Apex Construction at the rates provided in conjunction with B19022 in the amount of \$149,849.00.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND DOVER CITY COUNCIL THAT:

The Purchasing Agent is hereby authorized to issue a Purchase Order to Apex Construction of Somersworth NH, for the WWTP aeration blower upgrades at rates provided in conjunction with Bid B19022. The City Manager, or designee, is hereby authorized to contract with the vendor, consistent with the Purchase Order authorized herein.

The amount of this authorization shall be limited so as not to exceed available funding.

Financing

Account	Description	Appropriation	Balance
5320.1.300.43256.4725.04590.12	Wastewater Facilities Upgrades	513,000.00	322,347.00

AUTHORIZATION

Approved as to Funding: Daniel R. Lynch
Finance Director

Sponsored by: Mayor Karen Weston
By Request

Approved as to Legal: Anthony Blenkinsop
Form and Compliance: City Attorney

Recorded by: Susan Mistretta
City Clerk



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.A.10.

Resolution Number: **R – 2019.01.09 – 007**
Resolution Re: B19022 Wastewater Treatment Facility Aeration Blower
Upgrades

DOCUMENT HISTORY:

First Reading Date:	Public Hearing Date:
Approved Date:	Effective Date:

DOCUMENT ACTIONS:

VOTING RECORD		
Date of Vote:	YES	NO
Mayor Karen Weston		
Deputy Mayor Robert Carrier, At Large		
Councilor Michelle Muffett-Lipinski, Ward 1		
Councilor Dennis Ciotti, Ward 2		
Councilor Deborah Thibodeaux, Ward 3		
Councilor Marcia Gasses, Ward 4		
Councilor Dennis Shanahan, Ward 5		
Councilor Matthew Keane, Ward 6		
Councilor Lindsey Williams, At Large		
Total Votes:		
Resolution does does not pass.		



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.A.10.

Resolution Number: **R – 2019.01.09 – 007**
Resolution Re: B19022 Wastewater Treatment Facility Aeration Blower
Upgrades

RESOLUTION BACKGROUND MATERIAL:

The Project consists of installing a pre-purchased blower and providing a new VFD, control panel, electrical work, and all appurtenances.

Bid Information:

A sealed Request for Proposal #B19022 was issued and received for the Wastewater Treatment Facility Aeration Blower Upgrades on December 19, 2018 at 2:00 PM.

Award Information:

A purchase order will be issued to the vendor selected to authorize expenditures as outlined in this resolution.

Purchasing Information:

Type:	Purchase Order	Advertised:	Yes
Invitations Emailed:	1058	Number of Responses:	2
Warranty:	Per manufacturer	Terms:	Net 30, FOB Dover
Work Bonded:	Yes	Contract:	Yes
Prices will hold for:	Until complete	Estimated Delivery:	2019
Recommended Award to:	Apex Construction	Fund:	CIP
Other Approvals Required:	No	References Checked:	Satisfactory
Previously Worked for City:	Yes	Reason for Council Approval:	Purchase to exceed the \$25,000 amount requiring Council approval subsequent to a bid solicitation

[B19022 Bid Documents and Vendor Solicitation Lists](#)



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.A.11.

Resolution Number: **R – 2019.01.09 – 008**
Resolution Re: B19023 Water Facilities Improvements Phase II Contract I
Transmission Main

WHEREAS: A sealed Request for Proposal #B19023 was issued and received for the Water Facilities Improvements Phase II Contract I Transmission Main on December 5, 2018 at 2:00 PM. A non-mandatory prebid meeting was conducted on November 15, 2018 with four firms attending; and

WHEREAS: Five responses were received and reviewed for necessary qualifications, experience, skills, project understanding, approach and ability to comply with proposed scope of services with low bid being submitted by Northeast Earth Mechanics Inc of Pittsfield, NH; and

WHEREAS: It is the recommendation to award to Northeast Earth Mechanics Inc at the rates provided in conjunction with B19023 in the total amount of \$2,441,565.00 which includes the base bid plus Alternates A1 & A2.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND DOVER CITY COUNCIL THAT:

The Purchasing Agent is hereby authorized to issue a Purchase Order to Northeast Earth Mechanics Inc, Inc of Pittsfield, NH for the Water Facilities Improvements Phase II contract I Transmission Main at rates provided in conjunction with Bid B19023. The City Manager, or designee, is hereby authorized to contract with the vendor, consistent with the Purchase Order authorized herein.

The amount of this authorization shall be limited so as not to exceed available funding.

Financing

Account	Description	Appropriation	Balance
5300.1.300.43320.4757.03550.17	Water System Facilities Upgrades	10,654,237.00	8,412,550.00

AUTHORIZATION

Approved as to Funding: Daniel R. Lynch
Finance Director

Sponsored by: Mayor Karen Weston
By Request

Approved as to Legal
Form and Compliance: Anthony Blenkinsop
City Attorney

Recorded by: Susan Mistretta
City Clerk



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.A.11.

Resolution Number: **R – 2019.01.09 – 008**
Resolution Re: B19023 Water Facilities Improvements Phase II Contract I
Transmission Main

DOCUMENT HISTORY:

First Reading Date:	Public Hearing Date:
Approved Date:	Effective Date:

DOCUMENT ACTIONS:

VOTING RECORD		
Date of Vote:	YES	NO
Mayor Karen Weston		
Deputy Mayor Robert Carrier, At Large		
Councilor Michelle Muffett-Lipinski, Ward 1		
Councilor Dennis Ciotti, Ward 2		
Councilor Deborah Thibodeaux, Ward 3		
Councilor Marcia Gasses, Ward 4		
Councilor Dennis Shanahan, Ward 5		
Councilor Matthew Keane, Ward 6		
Councilor Lindsey Williams, At Large		
Total Votes:		
Resolution does does not pass.		



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.A.11.

Resolution Number: **R – 2019.01.09 – 008**
Resolution Re: B19023 Water Facilities Improvements Phase II Contract I
Transmission Main

RESOLUTION BACKGROUND MATERIAL:

The purpose of this project is to connect proposal wells at Willand Pond to the existing transmission main at Smith and Cummings Wells which supplies the Lowell Avenue Water Treatment Facility. Transmission main improvements begin at the cross-country connection to the existing watermain near the Smith and Cummings wells off Webb Place roadway and extend along Central Ave/NH108 New Rochester Road toward Willand Pond Wells.

Bid Information:

A sealed Request for Proposal #B19023 was issued and received for the Water Facilities Improvements Phase II Contract I Transmission Main on December 5, 2018 at 2:00 PM.

Award Information:

A purchase order will be issued to the vendor selected to authorize expenditures as outlined in this resolution.

Purchasing Information:

Type:	Purchase Order	Advertised:	Yes
Invitations Emailed:	1058	Number of Responses:	5
Warranty:	Per manufacturer	Terms:	Net 30, FOB Dover
Work Bonded:	Yes	Contract:	Yes
Prices will hold for:	Until complete	Estimated Delivery:	2019
Recommended Award to:	Northeast Earth Mechanics Inc	Fund:	CIP
Other Approvals Required:	Yes NHDES	References Checked:	Satisfactory
Previously Worked for City:	Yes	Reason for Council Approval:	Purchase to exceed the \$25,000 amount requiring Council approval subsequent to a bid solicitation

[B19023 Bid Documents and Vendor Solicitation Lists](#)



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.A.12.

Resolution Number: **R – 2019.01.09 – 009**
Resolution Re: B19024 Water Facilities Improvements Phase II Contract III Facilities

WHEREAS: A sealed Request for Proposal #B19024 was issued and received for the Water Facilities Improvements Phase II Contract III Facilities on December 20, 2018 at 2:00 PM. A non-mandatory prebid meeting was conducted on November 29, 2018 with eight firms attending; and

WHEREAS: Four responses were received and reviewed for necessary qualifications, experience, skills, project understanding, approach and ability to comply with proposed scope of services with low bid being submitted by Scherbon Consolidated Inc of Amesbury MA; and

WHEREAS: It is the recommendation to award to Scherbon Consolidated Inc at the rates provided in conjunction with B19024 in the amount of \$3,518,750.00

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND DOVER CITY COUNCIL THAT:

The Purchasing Agent is hereby authorized to issue a Purchase Order to Scherbon Consolidated Inc of Amesbury MA for the Water Facilities Improvements Phase II contract III Facilities at rates provided in conjunction with Bid B19024. The City Manager, or designee, is hereby authorized to contract with the vendor, consistent with the Purchase Order authorized herein.

The amount of this authorization shall be limited so as not to exceed available funding.

Financing

Account	Description	Appropriation	Balance
5300.1.300.43320.4757.03550.17	Water System Facilities Upgrades	10,654,237.00	5,970,985.00
5300.1.300.43320.4757.03563.19	Dover-Somersworth Interconnection	1,300,000.00	1,300,000.00

AUTHORIZATION

Approved as to Funding: Daniel R. Lynch
Finance Director

Sponsored by: Mayor Karen Weston
By Request

Approved as to Legal
Form and Compliance: Anthony Blenkinsop
City Attorney

Recorded by: Susan Mistretta
City Clerk



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.A.12.

Resolution Number: **R – 2019.01.09 – 009**
Resolution Re: B19024 Water Facilities Improvements Phase II Contract III
Facilities

DOCUMENT HISTORY:

First Reading Date:	Public Hearing Date:
Approved Date:	Effective Date:

DOCUMENT ACTIONS:

VOTING RECORD		
Date of Vote:	YES	NO
Mayor Karen Weston		
Deputy Mayor Robert Carrier, At Large		
Councilor Michelle Muffett-Lipinski, Ward 1		
Councilor Dennis Ciotti, Ward 2		
Councilor Deborah Thibodeaux, Ward 3		
Councilor Marcia Gasses, Ward 4		
Councilor Dennis Shanahan, Ward 5		
Councilor Matthew Keane, Ward 6		
Councilor Lindsey Williams, At Large		
Total Votes:		
Resolution does does not pass.		



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.A.12.

Resolution Number: **R – 2019.01.09 – 009**
Resolution Re: B19024 Water Facilities Improvements Phase II Contract III Facilities

RESOLUTION BACKGROUND MATERIAL:

The City of Dover's water system includes several supply, treatment, and storage facilities which range in age and condition. The city has developed a multi-phase, multi year program to make recommended improvements. This Phase II Contract III consist of Willand Pond, Smith and Cummins Wells as well as the emergency interconnections between Dover and Somersworth water systems.

Bid Information:

A sealed Request for Proposal #B19024 was issued and received for the Water Facilities Improvements Phase II Contract III Facilities on December 20, 2018 at 2:00 PM.

Award Information:

A purchase order will be issued to the vendor selected to authorize expenditures as outlined in this resolution.

Purchasing Information:

Type:	Purchase Order	Advertised:	Yes
Invitations Emailed:	1058	Number of Responses:	4
Warranty:	Per manufacturer	Terms:	Net 30, FOB Dover
Work Bonded:	Yes	Contract:	Yes
Prices will hold for:	Until complete	Estimated Delivery:	2019
Recommended Award to:	Scherbon Consolidated Inc	Fund:	CIP
Other Approvals Required:	Yes NHDES	References Checked:	Satisfactory
Previously Worked for City:	Yes	Reason for Council Approval:	Purchase to exceed the \$25,000 amount requiring Council approval subsequent to a bid solicitation

[B19024 Bid Documents and Vendor Solicitation Lists](#)



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.A.13.

Resolution Number: **R – 2019.01.09 – 010**
Resolution Re: **Approval of Northeastern Ballet Theater Lease Agreement**

- WHEREAS: Northeastern Ballet Theater is an existing tenant at the McConnell Center in Room 239; and
- WHEREAS: The current lease between the parties is set to expire; and
- WHEREAS: That Northeastern Ballet Theater and the City would like to enter into a new lease between the City and Northeastern Ballet Theater for five years with the option to renew for two additional five year terms.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND DOVER CITY COUNCIL:

The City Manager is authorized to sign a Lease Agreement with Northeastern Ballet Theater for rental of Room 239.

AUTHORIZATION

Approved as to Funding:	Daniel R. Lynch Finance Director	Sponsored by:	Mayor Karen Weston By request
Approved as to Legal Form and Compliance:	Anthony Blenkinsop City Attorney		
Recorded by:	Susan Mistretta City Clerk		



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.A.13.

Resolution Number: **R – 2019.01.09 – 010**
Resolution Re: **Approval of Northeastern Ballet Theater Lease Agreement**

DOCUMENT HISTORY:

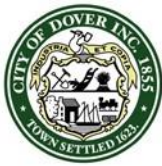
First Reading Date:	Public Hearing Date:
Approved Date:	Effective Date:

DOCUMENT ACTIONS:

VOTING RECORD		
Date of Vote:	YES	NO
Mayor Karen Weston		
Deputy Mayor Robert Carrier, At Large		
Councilor Michelle Muffett-Lipinski, Ward 1		
Councilor Dennis Ciotti, Ward 2		
Councilor Deborah Thibodeaux, Ward 3		
Councilor Marcia Gasses, Ward 4		
Councilor Dennis Shanahan, Ward 5		
Councilor Matthew Keane, Ward 6		
Councilor Lindsey Williams, At Large		
Total Votes:		
Resolution does does not pass.		

RESOLUTION BACKGROUND MATERIAL:

See attached proposed Northeastern Ballet Theater Lease Agreement.



CITY OF DOVER

288 CENTRAL AVENUE
DOVER, NH 03820
WWW.DOVER.NH.GOV
603.516.6000

LEASE AGREEMENT

THIS LEASE AGREEMENT made this _____ day of _____, 2019, by and between **NORTHEASTERN BALLET THEATER** of 61 Locust Street, Dover, New Hampshire 03820, a non-profit corporation, (hereinafter referred to as “LESSEE”), and the **CITY OF DOVER**, New Hampshire, of 288 Central Avenue, Dover, New Hampshire 03820 (hereinafter referred to as “LESSOR”).

WITNESSETH:

That IN CONSIDERATION of the mutual promises contained herein, and FOR OTHER GOOD AND VALUABLE CONSIDERATION contained herein, the parties agree as follows:

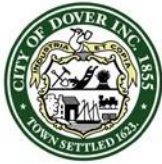
1. Description and Term.

That the LESSOR does hereby demise and lease to the LESSEE the Space within the City’s McConnell Center located at 61 Locust Street, Dover, New Hampshire, which Space is intended to contain 1,108 square feet and more particularly identified on the McConnell Center Plans dated February 6, 2006 as Room 239 (the “Space”).

In conjunction with the use of the Space, LESSEE shall have the right to use parking spaces for its employees in the adjacent City Parking lot to the rear of the Public Library during LESSEE’s normal operations. Additionally, parking spaces may be available on streets adjacent to the McConnell Center. It is agreed the parking spaces will not be reserved and are available on a first come first served basis with no signage designating parking spaces to the LESSEE. The LESSOR does not guarantee the availability of parking spaces. The parking spaces may be subject to relocation within the entire parking lot at the sole discretion of the City of Dover.

The term of LESSEE’s Lease Agreement shall be for five (5) years beginning on _____, 2019 and ending on _____, 2024. There shall be an option to renew for two (2) additional five (5) year terms at the LESSEE’S request pursuant to Paragraph 7.

Monthly rent shall be paid the first of each month to the City of Dover. If a term commences on a day other than the 1st of a month, that month’s rent shall be prorated based on the number of days in the month. The first year’s rent charges are based upon space allocation of 1,108 square feet and calculated using the following components:



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NORTHEASTERN BALLET THEATER 1,108Sq ft

Component	Rate	Annual	Monthly
Fixed Rent	\$ 6.50	\$ 7,202.00	\$ 600.17
Capital Reserve	\$ 0.40	\$ 443.20	\$ 36.93
Utilities (*)	\$ 7.45	\$ 8,254.60	\$ 687.88
Other as agreed	.00	.00	.00
Total Rent Assessment	\$14.35	\$15,899.80	\$1,324.98

(*) Operations and Maintenance costs are variable based upon actual costs as outlined in Section 2.

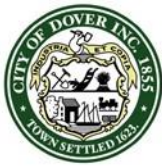
2. Operations and Maintenance.

The LESSEE shall be responsible for payment of all Operations and Maintenance costs associated with the Space, including utilities (electricity, water, gas, heat) and shared custodial, snow removal and associated supplies. Operations and Maintenance costs of this Lease Agreement is established at \$7.45/sf and will be paid as part of the monthly total rent invoice. Thereafter these costs shall be revised annually and prorated per square foot based upon the previous year's actual cost of operating and maintaining the building. The total square footage of leased space in the McConnell Center is 53,689 square feet. The annual revision of Operations and Maintenance costs shall occur in February and take effect the following July 1st.

3. Condition of Premises.

The LESSOR leases the Space "as is". LESSEE shall be solely responsible for all associated costs for desired original and future build-out of the Space; and plans for such build-out must be reviewed for potential approval by LESSOR. LESSEE shall be solely responsible for insuring all improvements and contents of the Space and shall name LESSOR as an additional insured.

LESSOR shall, at its own expense, maintain and keep the building in good structural order and repair including, but not limited to, all partitions, doors, windows, fixtures and equipment. In addition, LESSOR shall, at its own expense, make normal repairs and maintain performance of the leased Space, as needed, including, without limitation, the replacement of broken glass, interior repainting, the repair of floors, and the keeping of windows and doors watertight. LESSOR shall also, at its expense, maintain in good operating condition all plumbing, electrical, heating, sprinkling, air conditioning and other utility systems. All items herein mentioned shall be maintained in as good order and repair as they were at the date of the commencement of the term of this Lease Agreement reasonable wear and damage by accident, fire or other insured against casualty excepted. LESSEE and LESSOR will perform a walk through to evaluate condition of the Space prior to occupancy.



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LESSOR agrees to maintain the Space in condition fit for its intended use and to make all necessary repairs of which LESSOR is aware, including adequate heat and water, and a sound physical structure. Furthermore, LESSOR will maintain the grounds and remove the common area rubbish and maintain and keep reasonably free from snow and ice the parking areas, sidewalks and entrances/exits to building.

4. Access to Premises.

The LESSOR shall also have the right to enter upon the Space at all reasonable times to inspect same and to expel the LESSEE if the LESSEE shall fail to comply with or breach in any way this Lease Agreement. The LESSOR shall provide the LESSEE with reasonable notice of any inspections of or visits to the Space.

5. Unavoidable Casualty and Eminent Domain.

In the event of an unavoidable casualty, including fire, not arising as a result of the negligence or intentional conduct of the LESSEE whereby the Space or any portion of it is destroyed or damaged so as to be unfit for use or occupancy, the LESSOR specifically reserves the option of terminating this Lease Agreement. However, that in the event of total destruction or damage which is the equivalent of total destruction, this Lease Agreement shall automatically terminate.

In the event the Space shall be taken either under threat of eminent domain or by eminent domain proceedings in whole, then this Lease Agreement shall be terminated and the rent shall be pro-rated and returned to the LESSEE as of the date of such taking. A condemnation award shall belong exclusively to the LESSOR.

6. Use.

The LESSEE shall only use the Space in compliance with the City's ordinances, rules and regulations. Additionally, the Space shall be used for charitable non-profit purposes only. No residential use shall be permitted.

7. Renewal of Lease Agreement.

At least sixty (60) days but no earlier than one hundred twenty (120) days prior to the expiration of the initial term of this Lease Agreement or the expiration of an additional term, the LESSEE shall notify the LESSOR in writing of the LESSEE's intention to exercise its option to extend the term of the Lease Agreement for an additional period as set forth in Section 1 herein.

8. Subletting and Assignment.

LESSEE shall neither sublet nor assign the Space or the associated parking spaces under any circumstances without prior written consent by the LESSOR.

9. Personal Property.

In the event that at the end of the term or upon any earlier termination of this Lease Agreement including, but not limited to, termination for failure of the LESSEE to perform as required hereunder, there remains personal property of the LESSEE in the Space, the LESSOR is authorized to dispose of said property after giving written notice of its intent to do so to the LESSEE at the last known address of the LESSEE.

10. Default/Early Termination.

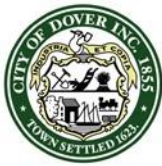
In the event the LESSEE fails to perform its obligations under this Lease Agreement, this Lease Agreement is defaulted, and the LESSOR is entitled to immediate occupation and possession of the Space and the associated parking spaces. If the LESSEE shall default in the observance or performance of any conditions or covenants on LESSEE's part to be observed or performed, under or by virtue of any provisions of this Lease Agreement, the LESSOR, without being under any obligation to do so and without thereby waiving such default, may remedy such default at the expense of the LESSEE. If the LESSOR makes any expenditure or incurs any obligations for payment in connection therewith including, but not limited to, attorney's fees, such sums paid or obligations incurred shall be paid to the LESSOR as additional rent. In the event that there is damage to the Space due to the LESSEE's actions or inactions, or the LESSEE fails to make any utility payments when due, the Lease Agreement may be immediately terminated at the option of the LESSOR.

Both the LESSEE and the LESSOR shall have the right to terminate this Lease Agreement for any reason upon giving at least three (3) months written notice to the other party.

11. Indemnification.

LESSEE agrees to pay, and to protect, defend, indemnify and save harmless LESSOR from and against any and all liabilities, losses, damages, costs, expenses (including all reasonable attorney's fees and expenses), causes of action, allegations, suits, claims, demands or judgments of any nature whatsoever arising from:

- (i) any injury to, or the death of, any person(s);
- (ii) any damage to property or to the Space;



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- (iii) any act or omission of LESSEE or its agents, officers or employees;
- (iv) violation by LESSEE of any agreement or condition of this Lease Agreement; or
- (v) violation by LESSEE of any law, ordinance or regulation affecting the Space or any part thereof or the ownership and occupancy thereof.

12. Insurance.

Casualty and property insurance shall continue to be maintained on the subject property by the LESSOR. LESSEE shall procure and maintain in force, at its expense, during the term of this Lease Agreement, and any extensions of such term, liability and property damage insurance for the LESSEE's leased Space to be considered primary coverage. Said insurance to be in limits of not less than One Million Dollars (\$1,000,000) per occurrence and Two Million Dollars (\$2,000,000) in the aggregate. LESSOR has no obligation for any loss to LESSEE's personal property. Proof of LESSEE's insurance shall be supplied to the LESSOR at the time of occupancy. The City of Dover shall be listed as "Additional Insured" on the policy and proof of insurance certificate.

13. Liens and Encumbrances.

LESSEE will not create or allow any lien, encumbrance or charge on the LESSEE's Space or on the McConnell Center or on the rents or income therefrom which may be superior to the LESSOR's rights hereunder.

14. Parties Bound.

This Lease Agreement and its addendums is binding upon the heirs, executors, administrators and assigns of the parties hereto and constitutes the entire agreement between the parties.

15. Notice.

All notices by either party to be given with respect to this Lease Agreement shall be in writing and shall be given by first class mail to the addresses stated above.

16. Modification of Lease Agreement.

This Lease Agreement contains the entire agreement between the parties and shall not be modified in any manner except by an instrument in writing executed by the both parties.

17. Section Headings.

The section headings throughout this instrument are for convenience and reference only, and the words contained herein shall in no way be held to explain, modify or amplify, or aid in the interpretation, construction or meaning of the provisions of the Lease Agreement.

18. Severability.

Any determination that any provision of this Lease Agreement or any application thereof is invalid, illegal or unenforceable in any respect in any instance shall not effect the validity, legality or enforceability of such provision in any other instance or the validity, legality or enforceability of any other provision of this Lease Agreement.

19. Laws Governing.

The parties agree that the laws of the State of New Hampshire will govern all disputes under this Lease Agreement and determine all rights hereunder.

20. Security Deposit.

Upon execution of this Lease Agreement, LESSEE deposits with LESSOR \$_____ as security for the performance by LESSEE of the terms of this Lease Agreement to be returned to LESSEE, with interest, following the full and faithful performance by LESSEE of this Lease Agreement. In the event of damage to the Space caused by LESSEE or LESSEE's agents or visitors, LESSOR may use funds from the deposit to repair, but is not limited to this fund and LESSEE remains liable.

21. Merger.

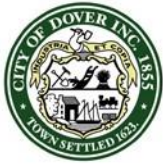
This Lease Agreement contains all terms and conditions agreed upon by the parties hereto and no other agreements or representations, oral or otherwise, regarding the subject matter of this Lease Agreement shall be deemed to exist, provided, however, that any subsequent modifications or agreements affecting this Lease Agreement shall be in writing and signed by the parties hereto.

IN WITNESS WHEREOF, the parties have hereunto executed this Lease Agreement on the date set forth above.

NORTHEASTERN BALLET THEATER

Witness
Sign and Print
McConnell Center Lease with Northeastern Ballet Theater

Duly Authorized
Sign and Print



CITY OF DOVER

288 CENTRAL AVENUE
DOVER, NH 03820
WWW.DOVER.NH.GOV
603.516.6000

CITY OF DOVER
By J. Michael Joyal, Jr., City Manager

Witness
Sign and Print

Duly Authorized



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.B.1.

Resolution Number: **R – 2019.01.09 – 011**

Resolution Re: Amendment One Chestnut & Washington St Realignment Project and Reprogram Unexpended Funds from Applevale Ave Street Reconstruction

WHEREAS: In April 2018, City staff sought and received approval via resolution [R-2018.04.25-043](#) to award construction services to Fulcrum Associates Inc for the realignment of Chestnut and Washington Street, associated with the redevelopment of 104 -124 Washington Street. The Development Agreement the Council approved acknowledged that for coordination and cost effectiveness that we may piggy back on the site contractor used by the developer, SUR Construction; and

WHEREAS: A contract was executed with Fulcrum Associates Inc with the scope of work as created in the construction drawings with City input in the amount of \$778,508.00. During excavation work SUR discovered a 500 gallon tank buried in the corner of Washington and Chestnut Street. Fulcrum Associates has submitted an amendment to the agreement in the amount of \$21,744.71 for tank removal, soil remediation and trucking services; and

WHEREAS: A second location, that is unconfirmed, also is in need of soil remediation and trucking service in the estimated amount of \$18,255.29 making total change order not to exceed \$40,000.00; and

WHEREAS: Per Administrative Code Chapter 3 Article III 3-36B Competitive Bidding: Competitive bidding may be waived by a majority vote of the City Council. Bids were originally solicited by Fulcrum Associates Inc and awarded to contractor SUR Construction. It is the recommendation to award to Fulcrum Associates Inc in the amount not to exceed \$40,000.00.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND DOVER CITY COUNCIL THAT:

The amount of \$40,000.00 of unexpended bond proceeds is hereby reprogrammed from the identified project Street Reconstruction Applevale Avenue to Chestnut & Washington Street Realignment project as follows:

Project Number	Project Description	Available Balance	Reprogram Adjustment	Adjusted Balance
4012.1.300.43121.4751.03145.12	Applevale Ave Reconstruction	77,466.15	(40,000.00)	37,466.15
4012.1.300.43121.4751.03129.12	Chestnut & Washington Reconstruction	0.00	40,000.00	40,000.00
	Total Available Funding	77,466.15	0.00	77,466.15

AND, FURTHER BE IT RESOLVED BY THE MAYOR AND DOVER CITY COUNCIL THAT:

The Purchasing Agent is hereby authorized to issue a Purchase Order revision to Fulcrum Associates Inc of Amherst NH for construction services including tank removal, soil remediation and trucking for the Chestnut and Washington Street Realignment project in the amount not to exceed \$40,000.00. The City Manager, or designee, is hereby



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.B.1.

Resolution Number: **R – 2019.01.09 – 011**

Resolution Re: Amendment One Chestnut & Washington St Realignment Project and Reprogram Unexpended Funds from Applevale Ave Street Reconstruction

authorized to contract with the vendor, consistent with the Purchase Order authorized herein.

The amount of this authorization shall be limited so as not to exceed available funding.

Financing

Account	Description	Appropriation	Balance
4012.1.300.43121.4751.03129.12	Street Reconstruction Chestnut & Washington	40,000.00	40,000.00

NOTE: This resolution reprograms unexpended bond proceeds and therefore requires a duly advertised public hearing and a 2/3 favorable vote of all members for passage with the vote deferred until at least three (3) days after the public hearing.

AUTHORIZATION

Approved as to Funding: Daniel R. Lynch
Finance Director

Sponsored by: Mayor Karen Weston
By Request

Approved as to Legal
Form and Compliance: Anthony Blenkinsop
City Attorney

Recorded by: Susan Mistretta
City Clerk



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.B.1.

Resolution Number: **R – 2019.01.09 – 011**
Resolution Re: Amendment One Chestnut & Washington St Realignment Project and Reprogram Unexpended Funds from Applevale Ave Street Reconstruction

DOCUMENT HISTORY:

First Reading Date:	Public Hearing Date:
Approved Date:	Effective Date:

DOCUMENT ACTIONS:

VOTING RECORD		
Date of Vote:	YES	NO
Mayor Karen Weston		
Deputy Mayor Robert Carrier, At Large		
Councilor Michelle Muffett-Lipinski, Ward 1		
Councilor Dennis Ciotti, Ward 2		
Councilor Deborah Thibodeaux, Ward 3		
Councilor Marcia Gasses, Ward 4		
Councilor Dennis Shanahan, Ward 5		
Councilor Matthew Keane, Ward 6		
Councilor Lindsey Williams, At Large		
Total Votes:		
Resolution does does not pass.		



CITY OF DOVER

CITY OF DOVER - RESOLUTION

Agenda Item#: 13.B.1.

Resolution Number: **R – 2019.01.09 – 011**
Resolution Re: Amendment One Chestnut & Washington St Realignment Project and Reprogram Unexpended Funds from Applevale Ave Street Reconstruction

RESOLUTION BACKGROUND MATERIAL:

On January 26, 2011 the Dover City Council approved the FY12-FY17 six-year Capital Improvements Program (CIP), which included an appropriation in FY12 for the reconstruction of Applevale Avenue.

This resolution does not authorize any additional appropriation. The City Council previously authorized the appropriation for the reconstruction of Applevale Avenue. This resolution does not authorize an increase in the indebtedness of the City. The City Council previously authorized debt financing the identified Applevale Avenue reconstruction project. This resolution reprograms funding from the identified Applevale Avenue project to Chestnut & Washington Street Realignment project.

City administration identified reprogramming appropriations from the Applevale Avenue project because that project is completed and there are available unexpended appropriations.

The funding to be reprogrammed is needed to address discovery of a 500 gallon tank buried in the corner of Washington and Chestnut Streets. The removal of the underground storage tank, soil remediation and trucking is necessary to complete the intersection realignment project. An additional site within the intersection realignment project area has been identified as requiring soil remediation and trucking, no underground tank was found in this second location.

Bid Information:

Bid solicitation was conducted by Fulcrum Associates Inc

Award Information:

A purchase order will be issued to the vendor selected to authorize expenditures as outlined in this resolution.

Purchasing Information:

Type:	Purchase Order	Advertised:	NA
Invitations Mailed:	NA	Number of Responses:	NA
Warranty:	Per manufacturer	Terms:	Net 30, FOB Dover
Work Bonded:	No	Contract:	Yes
Prices will hold for:	Until complete	Estimated Delivery:	As needed
Recommended Award to:	Fulcrum Associates LLC	Fund:	Various
Other Approvals Required:	No	References Checked:	Satisfactory
Previously Worked for City:	Yes	Reason for Council Approval:	Waive seal bid process, project cost over \$25,000

**PCO #001**

Fulcrum Associates, Inc.
 5 Tech Circle
 Amherst, New Hampshire 03031
 Phone: 603.673.3200
 Fax: 603.673.1020

Project: 18-038 - Robbins Block-Offsite Imprvmnt
 104 Washington Street
 Dover, New Hampshire 03820

Prime Contract Potential Change Order #001: Chestnut St UST Removal and Soil Remediation

TO:	City of Dover 288 Central Ave Dover New Hampshire, 03821	FROM:	Fulcrum Associates, Inc. 5 Tech Circle Amherst New Hampshire, 03031
PCO NUMBER/REVISION:	001 / 0	CONTRACT:	1 - Robbins Block-Offsite Imprvmnt Prime Contract
REQUEST RECEIVED FROM:		CREATED BY:	Heath Dinsmore (Fulcrum Associates, Inc.)
PAID IN FULL:	No	CREATED DATE:	12/17 /2018
REFERENCE:		PRIME CONTRACT CHANGE ORDER:	None
FIELD CHANGE:	No		
LOCATION:		ACCOUNTING METHOD:	Amount Based
SCHEDULE IMPACT:		TOTAL AMOUNT:	\$21,744.71

POTENTIAL CHANGE ORDER TITLE: Chestnut St UST Removal and Soil Remediation

CHANGE REASON: Existing Condition

POTENTIAL CHANGE ORDER DESCRIPTION: *(The Contract Is Changed As Follows)*

UG Tank Removal

During our excavation for Utility work (CB-05), SUR discovered a 500 gallon tank buried at the corner of Washington and Chestnut St.

ATTACHMENTS:

#	Cost Code	Description	Type	Amount
1	02-02100 - General Sitework	Soil Remediation	SUBCONTRACTOR	\$ 15,171.71
2	02-02100 - General Sitework	Excavation and Trucking	SUBCONTRACTOR	\$ 6,573.00
Subtotal:				\$21,744.71
Grand Total:				\$21,744.71

City of Dover
 288 Central Ave
 Dover New Hampshire 03821

Fulcrum Associates, Inc.
 5 Tech Circle
 Amherst New Hampshire 03031

SIGNATURE

DATE

SIGNATURE

DATE

Chestnut St UST Removal

			CYN		SUR		TOTALS	
Consultant Costs			\$ 8,228.29		\$ -		\$ 8,228.29	
UST Removal Costs			\$ 2,400.00		\$ 672.00		\$ 3,072.00	
Soil Remediation Costs			\$ 4,543.42		\$ 5,901.00		\$ 10,444.42	
							\$ 21,744.71	

**DES Waste Management Division
29 Hazen Drive; PO Box 95
Concord, NH 03302-0095**

**UNDERGROUND STORAGE TANK CLOSURE
AND
SOIL EXCAVATION**

**City of Dover
Chestnut/Washington Streets
Dover, New Hampshire 03820**

**NHDES Site #201810024
Project Type: OPUF
Project Number: 38850**

Prepared For:
City of Dover
c/o Cyn Environmental, Inc.
8 Progress Drive
Dover, New Hampshire 03820
Phone No.: 603-749-4969
Contact: Jim Bell
Email: jim_bell@cynenv.com

Prepared By:
StoneHill Environmental
600 State Street, Suite 2
Portsmouth, NH 03801
Contact Name: Chad G. Tomforde, P.G.
Contact email: ctomforde@stonehillenvironmental.com

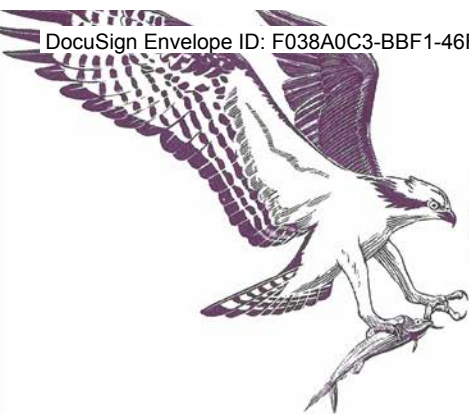
Date of Report: October 19, 2018



Chris Lane
Project Scientist



Chad G. Tomforde, PG
Principal/Report Reviewer



StoneHill

Environmental

600 State Street, Suite 2
Portsmouth, NH 03801
tel 603-433-1935
fax 603-433-1942

October 19, 2018

StoneHill Project No. 18063

Cyn Environmental, Inc.
Attn: Jim Bell, Branch Manager
8 Progress Drive
Dover, NH 03820

RE: Underground Storage Tank Closure and Soil Excavation
 Chestnut/Washington Streets, Dover, NH (Former Robbins Auto Block)

Dear Mr. Bell:

StoneHill Environmental (StoneHill) has prepared this Underground Storage Tank (UST) Closure and Soil Excavation report to document the removal of one 500-gallon heating oil UST and associated oil-impacted soil at the above referenced property (Site). The abandoned UST was encountered along the east edge of Chestnut Street near the intersection with Washington Street during underground utility installation associated with the redevelopment of the adjacent former Robbins Auto Block property. The following is a summary of pertinent information:

Tank Owner/Contact:	Unknown owner/contact Ms. Gretchen Young, City of Dover
Facility ID:	Not applicable. Non-regulated UST.
NHDES Site Number:	201810024
Tank Location:	Under pavement along east side of Chestnut Street in Dover, NH. (see Figure 1 – Site Location Map)
DES Closure Notification:	Not applicable. Non-regulated UST.
Date of Closure:	September 6, 2018
Tank Closure Contractor:	Cyn Environmental, Inc.
Excavation Contractor:	S.U.R Construction
StoneHill Personnel:	Christopher Lane (ICC UST Decommissioning Cert. #8320522)
Tank No./Description:	UST #1/500-gallon, single walled steel heating-oil tank.
Tank Age:	Unknown
Fire Department Notified:	Yes; Dover Fire Department
UST Closure Findings:	UST closure post excavation samples indicated heating oil-impacted soil with contaminant concentrations exceeding applicable soil standards. Subsequent removal of approximately 100 tons of impacted soil resulted in current soil quality conditions meeting applicable soil standards. No further investigation or remediation is warranted.

StoneHill Environmental

INTRODUCTION AND SITE DESCRIPTION

On behalf of Fulcrum Associates, the company managing the redevelopment of the former Robbins Auto Block property, Cyn Environmental, Inc. (Cyn) of Dover, New Hampshire, was retained to properly decommission an abandoned underground storage tank (UST) encountered along the east edge of Chestnut Street. The tank was identified during the installation of new underground utilities. The 500-gallon UST formerly containing heating oil was located beneath the right-of-way of Chestnut Street, which is property owned by the City of Dover. StoneHill was retained by Cyn to complete the UST closure environmental assessment. The closure was completed on September 6, 2018.

The Site location is shown on the attached Figure 1 – Site Location Map. UST removal activities are depicted in the attached photographs.

UNDERGROUND STORAGE TANK CLOSURE

The subject 500-gallon heating oil UST is not regulated by the New Hampshire Department of Environmental Services (NHDES), since it was less than 1,100 gallons in size and formerly used for on-premise heating. Therefore, notification of the UST closure to NHDES was not required. As required, the Dover Fire Department was notified of the UST closure and a UST removal permit was obtained. Mr. Jamie Donovan of the Fire Department was on Site to observe the UST closure.

UST Removal

S.U.R. Construction, Inc. (SUR) of Rochester, New Hampshire, performed UST excavation services. The top of the tank was exposed after removing the overlying asphalt and soil. The top of the tank was encountered approximately one foot below ground surface. Only a small section of vertical piping remained attached to the tank. The tank was cut open to allow access for pumping out the liquids. Using a vacuum truck, Cyn removed approximately 230 gallons of oily water from the tank and transported the liquid waste under uniform hazardous waste manifest to Cyn Oil Corporation in Stoughton, Massachusetts, for reclamation. A copy of the hazardous waste manifest is attached.

Following UST cleaning, the tank was removed from the ground using an excavator. The tank showed signs of corrosion including rust, scaling, pitting, and a large hole in the bottom, south end of the tank. The tank was transported on a trailer to Harding Metals, Inc. in Northwood, New Hampshire, for recycling. A copy of the tank disposal receipt is attached. Following tank removal, the excavation was backfilled with soil previously removed from the top of the UST.

Field Screening

Soil samples were collected from the excavation sidewalls and bottom for the screening of organic vapors using a ppbRAE photoionization detector (PID) and standard headspace screening methods. The PID was calibrated with isobutylene for the measurement of organic vapors as benzene on a part-per-million by volume basis (ppmv). PID readings ranged from 8 to 140 ppmv, with the highest reading for sample S-1 from the northern excavation sidewall. Soil sample locations and PID measurements are shown on the attached Field Data Report dated September 6, 2018.

Subsurface Conditions

The UST excavation measured approximately 8 feet long, 5 feet wide, and 5 feet deep. Subsurface material was generally brown, fine- to coarse-grained sand with trace amounts of gravel in the upper two

StoneHill Environmental

to three feet of the soil profile, transitioning to a grey weathered sandy clay with redoximorphic features in the lower 3-4 feet of the excavation. Bedrock was not encountered. Groundwater was not encountered.

Soil Sampling and Analysis

Based on the elevated PID measurements from the bottom and sidewall samples, and visual and olfactory evidence for oil-impacted soil in the excavation, two discrete soil samples (S-1 and S-2) were collected for laboratory analysis. The samples were submitted to Absolute Resource Associates in Portsmouth, New Hampshire, under chain-of-custody documentation for the analysis of volatile organic compounds (VOCs), total petroleum hydrocarbons as diesel range organics (TPH-DRO), and polycyclic aromatic hydrocarbons (PAHs).

Analytical results indicated VOCs, PAHs, and TPH-DRO detected at concentrations exceeding applicable NHDES Soil Remediation Standards (SRS). Analytical results are included on the attached Table 1 – Summary of Soil Analytical Data. The laboratory report is attached.

Groundwater Sampling and Analysis

Groundwater was not encountered during the UST closure; therefore, a sample was not collected.

Excavation and Off-site Disposal of Impacted Soil

Since soil sample results from the UST closure indicated SRS exceedances, StoneHill and SUR returned to the Site on October 1, 2018, to remove the impacted soil for off-site disposal. Prior to soil excavation, StoneHill requested the laboratory to composite remaining volumes of previously submitted samples S-1 and S-2 into one sample (S-Comp) for the analysis of RCRA-8 metals for waste characterization, as requested by the disposal facility, Environmental Soils Management, Inc. (ESMI). Based on the results of the RCRA-8 Metals analysis, in addition to the previous results for VOCs, PAHs, and TPH-DRO for samples S-1 and S-2, ESMI accepted the soil for disposal at their facility. The laboratory report provided by Alpha Analytical is attached.

Impacted soil was encountered at approximately 4 feet below ground surface. Impacted soil consisted mostly of blue-grey marine clay and exhibited a strong fuel odor. PID screening of impacted soil ranged from 25 to 280 ppmv. The excavation extended approximately 10 feet to the north and south of the original tank excavation and west into Chestnut Street approximately 4 to 5 feet. The final dimensions of the excavation were approximately 18 feet by 26 feet. Approximately 98 tons of impacted soil were loaded into tri-axle dump trucks for transport to ESMI in Loudon, New Hampshire, for thermal treatment and reclamation. Soil disposal weight slips are attached. The extent of the excavation was determined when samples from all four excavation sidewalls and bottom exhibited low PID screening readings. Post excavation PID readings ranged from 0.60 to 2.1 ppmv. Excavation dimensions and soil sampling locations are shown on the attached Field Data Report dated October 1, 2018. A total of four post excavation soil samples (S-1 through S-4) were collected from the north, south, and west excavation sidewalls at depths ranging from 8 to 9 feet below ground surface, and from the excavation bottom at a depth of approximately 10 feet below ground surface. The samples were submitted to Absolute Resource Associates in Portsmouth, New Hampshire, under chain-of-custody documentation for VOC, PAH, and TPH-DRO analyses.

Laboratory analytical results indicate that VOCs, PAHs, and TPH-DRO were not detected in any of the post excavation samples. Analytical results are included on the attached Table 1 – Summary of Soil Analytical Data. The laboratory report is attached.

StoneHill Environmental**SUMMARY AND CONCLUSIONS**

On September 6, 2018, StoneHill observed the removal of one 500-gallon heating oil UST from the eastern side of Chestnut Street, Dover, Strafford County, New Hampshire. The tank exhibited signs of rusting, scaling, pitting, and had a large hole in the bottom. Field screening PID readings from soil samples collected, and visual and olfactory observations, indicated that a release of heating oil occurred from the tank. Laboratory analysis of two discrete soil samples from the excavation confirmed that the soil exceeded NHDES SRS for concentrations of naphthalene, 2-methylnaphthalene, and TPH-DRO. On October 1, 2018, approximately 98 tons of impacted soil were removed from the former UST location and disposed at ESMI in Loudon, New Hampshire. Analytical results for post excavation soil samples indicated no detection of VOCs, PAHs, and TPH-DRO. Therefore, the soil removal was successful in remediating impacted soil and current soil quality meets SRS.

UST closure requirements have been met and soil quality in the UST area meets SRS with respect to petroleum-related compounds. No further investigation or remediation appears warranted.

LIMITATIONS

The findings and conclusions of this tank closure report do not constitute scientific certainties, but rather probabilities based upon our professional judgment concerning the data gathered during the course of the assessment. StoneHill does not represent that the site contains no oil or other latent conditions beyond those detected or observed by StoneHill during the tank closure. Information or data potentially obtained during further investigative activities could result in a modification of the findings stated above. This report has been prepared in accordance with generally accepted UST decommissioning practices and a degree of care and skill exercised by other environmental consulting firms undertaking similar studies at the same time in the same geographical area. No other warranty, expressed or implied, is made.

Please contact the undersigned at 603-433-1935 if you have any questions regarding this project.

Sincerely,

StoneHill Environmental



Christopher E. Lane
Project Scientist



Chad Tomforde, PG
Principal Geologist/Reviewer

Enclosures: Figure 1 – Site Location Map
 Photographs
 Waste Manifest – UST liquid disposal
 Tank Disposal Receipt – Harding Metals
 Field Data Report, September 6, 2018 – UST Closure
 Table 1 – Summary of Soil Analytical Data
 Laboratory Report – Post UST Excavation Soil Samples
 Laboratory Report – RCRA-8 Metals
 Soil Disposal Weight Slips
 Field Data Report, October 1, 2018 – Soil Excavation
 Laboratory Report – Post Excavation Soil Samples

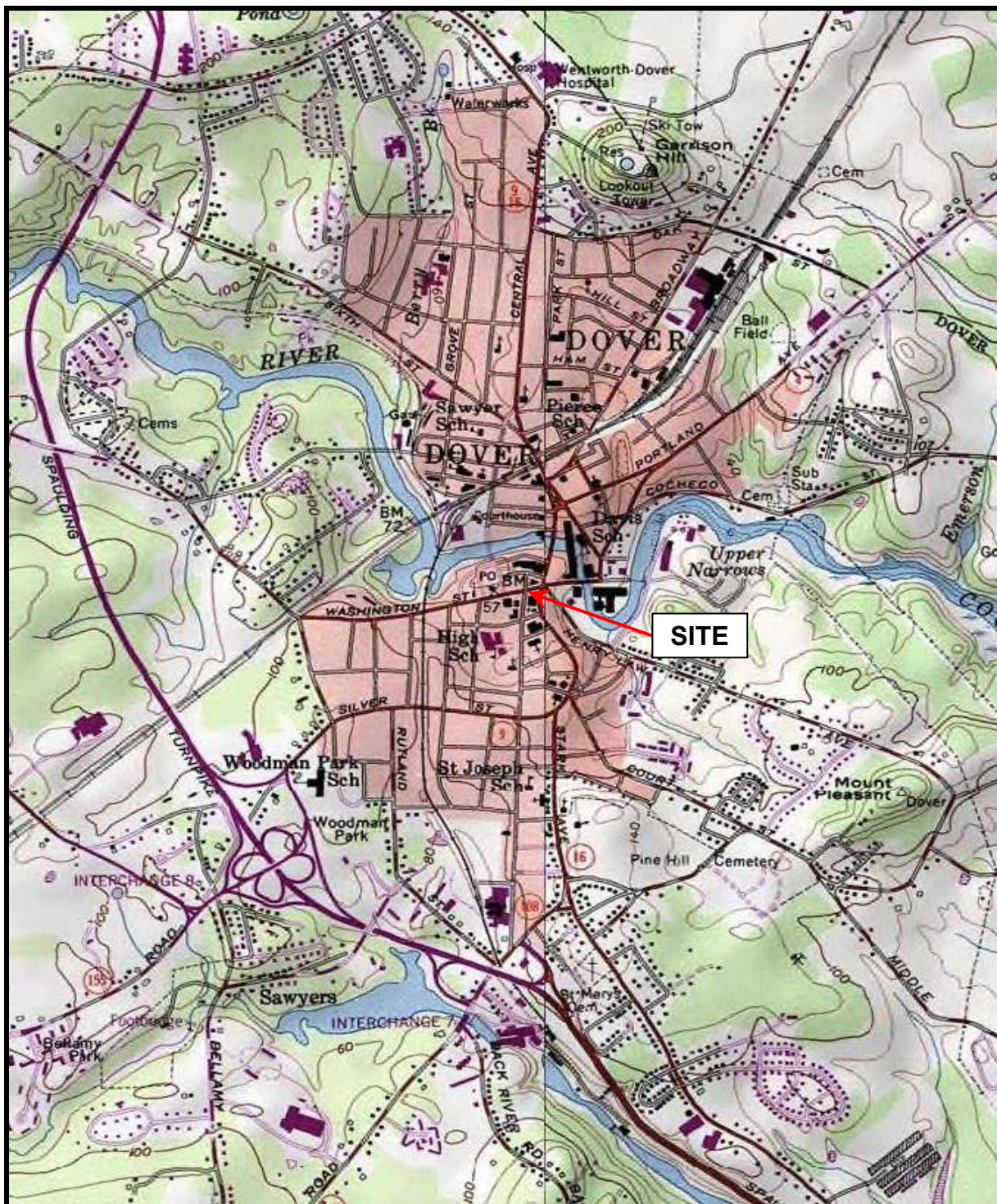
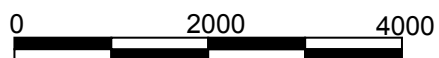


FIGURE 1

SITE LOCATION MAP

**Chestnut/Washington Streets
Dover, NH**



approximate scale in feet
Contour Interval 20 feet

Map Source:
USGS 7.5 Minute
Topographic Quadrangle
Dover, NH



Prepared by:
StoneHill Environmental, Inc.
Project No. 18063

UST Removal
Chestnut/Washington Streets
Dover, NH



Photograph 1 - View to the east showing Robbins Auto Block construction site east of Chestnut Street. Washington Street is in the background. The UST was located beneath the second from right concrete barrier. (StoneHill, September 6, 2018)



Photograph 2- View of the top of the tank as it is exposed. No piping was encountered. (StoneHill, September 6, 2018)

UST Removal
Chestnut/Washington Streets
Dover, NH



Photograph 3 - View of tank being removed from ground. Moderate to severe corrosion was noted on bottom of tank. (StoneHill, September 6, 2018)



Photograph 4 - View of the extent of UST excavation following tank removal. Two discrete soil samples were collected from the excavation. (StoneHill, September 6, 2018)

UST Removal
Chestnut/Washington Streets
Dover, NH



Photograph 5 - View of the extent of impacted soil excavation. (StoneHill, October 1, 2018)



Photograph 6 - View facing north along Chestnut Street showing the extent of impacted soil excavation extending into the Chestnut Street right-of-way. (StoneHill, October 1, 2018)

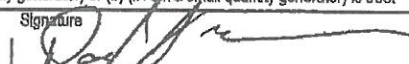
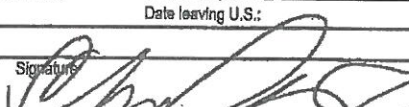
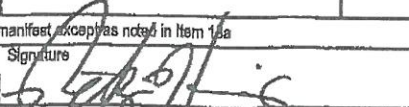
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V E K

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved, OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number NH0999999998	2. Page 1 of 1	3. Emergency Response Phone 800 899-1038	4. Manifest Tracking Number 017045498 JJK		
5. Generator's Name and Mailing Address CITY OF DOVER NH 288 CENTRAL AVE 03820 Generator's Phone: (603) 516 6000			Generator's Site Address (if different than mailing address) CORNER OF CHESTNUT + WASHINGTON ST IN STREET DOVER NH 03820				
6. Transporter 1 Company Name Cyn Oil Corporation			U.S. EPA ID Number MAD082303777				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address Cyn Oil Corporation 1771 Washington St. Stoughton MA 02072 Facility's Phone: 781 341-1777			U.S. EPA ID Number MAD082303777				
GENERATOR	9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
			No.	Type			
		1. OW, State Regulated Waste Oily Water (Non-DOT Regulated Material)	001	TT	230	G	MA98
		2.					
		3.					
		4.					
14. Special Handling Instructions and Additional Information 1(XL) OIL AND WATER CBOW							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Officer's Printed/Typed Name David Laurence			Signature 		Month Day Year 10/06/18		
TRANSPORTER INTL	16. International Shipments ☐ Import to U.S. ☐ Export from U.S.		Port of entry/exit: _____ Date leaving U.S.: _____				
	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name Charles Desoban		Signature 		Month Day Year 10/06/18		
Transporter 2 Printed/Typed Name		Signature		Month Day Year			
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection						
	Manifest Reference Number: _____						
	18b. Alternate Facility (or Generator)					U.S. EPA ID Number	
	Facility's Phone: _____						
18c. Signature of Alternate Facility (or Generator)					Month Day Year		
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. H141		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 1a							
Printed/Typed Name Ricky Henriques			Signature 			Month Day Year 10/17/18	

SCALE RECEIVER**Harding Metals, Inc.**

Batch 5584

P.O. Box 418

Northwood, NH 03261-0418

Recv Date: 09/06/2018**Account: 1****Receiver #:** 337746

CYN ENVIRONMENTAL

Control #: 337746**Paid By:** SCK

389898

DOVER

NH

Inv Date: 09/06/2018

Commodity Description	Count	Package	Gross	Tare	Net	Price / UM	Amount
1US #1 UNPREPARED STEEL			17,520	16,960	560	150.00 / GT	37.50
				Totals	560		37.50

Paid By:**SCK**

Table 1a
Summary of Soil Analytical Data - VOCs
 Abandoned UST (Chestnut / Washington St.)
 Dover, New Hampshire

			VOCs by EPA Method 8260								
Sample ID	Sample Depth / PID Result	Date Sampled	ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	isopropyl benzene (mg/Kg)	n-propyl benzene (mg/Kg)	1,3,5-trimethyl benzene (mg/Kg)	1,2,4-trimethyl benzene (mg/Kg)	sec-butyl benzene (mg/Kg)	4-isopropyl toluene (mg/Kg)	naphthalene (mg/Kg)
NHDES SRS			120	500	330	85	96	130	130	-	20
UST Closure Samples											
S-1	4 feet/258 ppmv	9/6/2018	2.2	10	1.4	2.4	8.4	25	2.4	2.2	26
S-2	5 feet/230 ppmv	9/6/2018	2.3	10	1.4	2.7	8.3	26	2.6	2.4	31
Post Excavation Samples											
S-1	8 feet/2 ppmv	10/1/2018	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
S-3	8 feet/0.7 ppmv	10/1/2018	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
S-4	10 feet/0.9 ppmv	10/1/2018	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)
S-5	9 feet/0.6 ppmv	10/1/2018	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)

Notes:

UST = underground storage tank

ppmv = parts per million by volume

mg/Kg = milligrams per kilogram

NHDES SRS = New Hampshire Department of Environmental Services Soil Remediation Standards

ND (0.1) = analyte not detected at concentration above reporting limits shown in parenthesis

bold = concentration detected above SRS

THP-GRO = total petroleum hydrocarbons as gasoline range organics (by EPA Method 8015)

VOCs = volatile organic compounds

PAHs = polycyclic aromatic hydrocarbons

- = No standard established

Table 1b
Summary of Soil Analytical Data - PAHs and TPH
 Abandoned UST (Chestnut / Washington St.)
 Dover, New Hampshire

			PAHs by EPA Method 8270								TPH
Sample ID	Sample Depth / PID Result	Date Sampled	naphthalene (mg/Kg)	ace-naphthene (mg/Kg)	fluorene (mg/Kg)	anthracene (mg/Kg)	pyrene (mg/Kg)	dibenzofuran (mg/Kg)	phenanthrene (mg/Kg)	2-methyl-naphthalene (mg/Kg)	TPH - GRO (mg/Kg)
NHDES SRS			20	340	77	1,000	720	-	--	96	10,000
UST Closure Samples											
S-1	4 feet/258 ppmv	9/6/2018	31	5.8	11	2.8	1.3	4.9	21	140	23,000
S-2	5 feet/230 ppmv	9/6/2018	34	5.1	10	2.4	1.0	5.2	19	150	22,000
Post Excavation Samples											
S-1	8 feet/2 ppmv	10/1/2018	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (120)
S-3	8 feet/0.7 ppmv	10/1/2018	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (120)
S-4	10 feet/0.9 ppmv	10/1/2018	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (0.62)	ND (120)
S-5	9 feet/0.6 ppmv	10/1/2018	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (0.60)	ND (120)

Notes:

UST = underground storage tank

ppmv = parts per million by volume

mg/Kg = milligrams per kilogram

NHDES SRS = New Hampshire Department of Environmental Services Soil Remediation Standards

ND (0.1) = analyte not detected at concentration above reporting limits shown in parenthesis

bold = concentration detected above SRS

THP-GRO = total petroleum hydrocarbons as gasoline range organics (by EPA Method 8015)

VOCs = volatile organic compounds

PAHs = polycyclic aromatic hydrocarbons

- = No standard established

Laboratory Report



Absolute Resource *associates*

124 Heritage Avenue Portsmouth NH 03801

Chad Tomforde
Stonehill Environmental
600 State St
Suite 2
Portsmouth, NH 03801

PO Number: None
Job ID: 45810
Date Received: 9/6/18

Project: Robbins Auto Block UST Closure 18063

Attached please find results for the analysis of the samples received on the date referenced above.

The following report has been re-issued to include metals results, per customer request.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Absolute Resource Associates' Quality Assurance Plan. The Standard Operating Procedures are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Absolute Resource Associates maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Absolute Resource Associates

A handwritten signature in black ink, which appears to read "Sue Sylvester (for)".

Sue Sylvester
Principal, General Manager

Date of Approval: 9/26/2018
Total number of pages: 11

Absolute Resource Associates Certifications

New Hampshire 1732
Maine NH903

Massachusetts M-NH902

Project ID: Robbins Auto Block UST Closure 18063**Job ID:** 45810**Sample#:** 45810-001**Sample ID:** S-1**Matrix:** Solid

Percent Dry: 75.6% Results expressed on a dry weight basis.

Sampled: 9/6/18 12:15

Parameter	Reporting		Instr Dil'n		Prep		Analysis			Reference
	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
dichlorodifluoromethane	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
chloromethane	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
vinyl chloride	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
bromomethane	< 1.6	1.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
chloroethane	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
trichlorofluoromethane	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
diethyl ether	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
acetone	< 16	16	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
1,1-dichloroethene	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
methylene chloride	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
carbon disulfide	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
methyl t-butyl ether (MTBE)	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
trans-1,2-dichloroethene	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
isopropyl ether (DIPE)	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
ethyl t-butyl ether (ETBE)	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
1,1-dichloroethane	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
t-butanol (TBA)	< 16	16	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
2-butanone (MEK)	< 2.0	2.0	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
2,2-dichloropropane	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
cis-1,2-dichloroethene	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
chloroform	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
bromochloromethane	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
tetrahydrofuran (THF)	< 3.3	3.3	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
1,1,1-trichloroethane	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
1,1-dichloropropene	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
t-amyl-methyl ether (TAME)	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
carbon tetrachloride	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
1,2-dichloroethane	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
benzene	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
trichloroethene	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
1,2-dichloropropane	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
bromodichloromethane	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
1,4-dioxane	< 16	16	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
dibromomethane	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
4-methyl-2-pentanone (MIBK)	< 2.9	2.9	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
cis-1,3-dichloropropene	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
toluene	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
trans-1,3-dichloropropene	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
2-hexanone	< 3.3	3.3	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
1,1,2-trichloroethane	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
1,3-dichloropropane	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
tetrachloroethene	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
dibromochloromethane	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C

Project ID: Robbins Auto Block UST Closure 18063**Job ID:** 45810**Sample#:** 45810-001**Sample ID:** S-1**Matrix:** Solid

Percent Dry: 75.6% Results expressed on a dry weight basis.

Sampled: 9/6/18 12:15

Parameter	Reporting		Units	Instr Dil'n	Prep		Analysis			Reference
	Result	Limit			Analyst	Date	Batch	Date	Time	
1,2-dibromoethane (EDB)	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
chlorobenzene	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
1,1,1,2-tetrachloroethane	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
ethylbenzene	2.2	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
m&p-xylenes	10	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
o-xylene	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
styrene	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
bromoform	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
isopropylbenzene	1.4	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
1,1,2,2-tetrachloroethane	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
1,2,3-trichloropropane	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
n-propylbenzene	2.4	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
bromobenzene	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
1,3,5-trimethylbenzene	8.4	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
2-chlorotoluene	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
4-chlorotoluene	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
tert-butylbenzene	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
1,2,4-trimethylbenzene	25	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
sec-butylbenzene	2.4	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
1,3-dichlorobenzene	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
4-isopropyltoluene	2.2	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
1,4-dichlorobenzene	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
1,2-dichlorobenzene	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
n-butylbenzene	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
1,2-dibromo-3-chloropropane (DBCP)	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
1,2,4-trichlorobenzene	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
1,3,5-trichlorobenzene	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
hexachlorobutadiene	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
naphthalene	26	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
1,2,3-trichlorobenzene	< 0.7	0.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
Surrogate Recovery	Limits									
dibromofluoromethane SUR	104	78-114	%	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
toluene-D8 SUR	102	88-110	%	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
4-bromofluorobenzene SUR	101	86-115	%	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C
a,a,a-trifluorotoluene SUR	121	70-130	%	5	LMM	9/7/18	11000	9/7/18	21:48	SW5035A8260C

Note: Dilution was required due to the presence of hydrocarbons in the sample.

Project ID: Robbins Auto Block UST Closure 18063**Job ID:** 45810**Sample#:** 45810-002**Sample ID:** S-2**Matrix:** Solid

Percent Dry: 78.5% Results expressed on a dry weight basis.

Sampled: 9/6/18 12:30

Parameter	Reporting		Instr Dil'n		Prep		Analysis			Reference
	Result	Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
dichlorodifluoromethane	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
chloromethane	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
vinyl chloride	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
bromomethane	< 1.4	1.4	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
chloroethane	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
trichlorofluoromethane	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
diethyl ether	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
acetone	< 14	14	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
1,1-dichloroethene	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
methylene chloride	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
carbon disulfide	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
methyl t-butyl ether (MTBE)	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
trans-1,2-dichloroethene	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
isopropyl ether (DIPE)	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
ethyl t-butyl ether (ETBE)	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
1,1-dichloroethane	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
t-butanol (TBA)	< 14	14	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
2-butanone (MEK)	< 1.7	1.7	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
2,2-dichloropropane	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
cis-1,2-dichloroethene	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
chloroform	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
bromochloromethane	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
tetrahydrofuran (THF)	< 2.8	2.8	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
1,1,1-trichloroethane	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
1,1-dichloropropene	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
t-amyl-methyl ether (TAME)	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
carbon tetrachloride	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
1,2-dichloroethane	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
benzene	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
trichloroethene	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
1,2-dichloropropane	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
bromodichloromethane	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
1,4-dioxane	< 14	14	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
dibromomethane	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
4-methyl-2-pentanone (MIBK)	< 2.5	2.5	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
cis-1,3-dichloropropene	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
toluene	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
trans-1,3-dichloropropene	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
2-hexanone	< 2.8	2.8	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
1,1,2-trichloroethane	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
1,3-dichloropropane	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
tetrachloroethene	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
dibromochloromethane	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C

Project ID: Robbins Auto Block UST Closure 18063**Job ID:** 45810**Sample#:** 45810-002**Sample ID:** S-2**Matrix:** Solid

Percent Dry: 78.5% Results expressed on a dry weight basis.

Sampled: 9/6/18 12:30

Parameter	Reporting		Units	Instr Dil'n	Prep		Analysis			Reference
	Result	Limit			Analyst	Date	Batch	Date	Time	
1,2-dibromoethane (EDB)	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
chlorobenzene	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
1,1,1,2-tetrachloroethane	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
ethylbenzene	2.3	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
m&p-xylenes	10	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
o-xylene	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
styrene	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
bromoform	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
isopropylbenzene	1.4	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
1,1,2,2-tetrachloroethane	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
1,2,3-trichloropropane	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
n-propylbenzene	2.7	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
bromobenzene	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
1,3,5-trimethylbenzene	8.3	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
2-chlorotoluene	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
4-chlorotoluene	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
tert-butylbenzene	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
1,2,4-trimethylbenzene	26	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
sec-butylbenzene	2.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
1,3-dichlorobenzene	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
4-isopropyltoluene	2.4	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
1,4-dichlorobenzene	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
1,2-dichlorobenzene	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
n-butylbenzene	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
1,2-dibromo-3-chloropropane (DBCP)	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
1,2,4-trichlorobenzene	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
1,3,5-trichlorobenzene	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
hexachlorobutadiene	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
naphthalene	31	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
1,2,3-trichlorobenzene	< 0.6	0.6	ug/g	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
Surrogate Recovery		Limits								
dibromofluoromethane SUR	102	78-114	%	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
toluene-D8 SUR	104	88-110	%	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
4-bromofluorobenzene SUR	98	86-115	%	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C
a,a,a-trifluorotoluene SUR	121	70-130	%	5	LMM	9/7/18	11000	9/7/18	21:22	SW5035A8260C

Project ID: Robbins Auto Block UST Closure 18063**Job ID:** 45810**Sample#:** 45810-003**Sample ID:** Trip Blank**Matrix:** Solid**Sampled:** 9/6/18 0:00

Parameter	Result	Reporting		Instr Dil'n	Factor	Prep		Analysis			Reference
		Limit	Units			Analyst	Date	Batch	Date	Time	
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
chloromethane	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
bromomethane	< 0.2	0.2	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
chloroethane	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
diethyl ether	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
acetone	< 2	2	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
methylene chloride	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
t-butanol (TBA)	< 2	2	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
2-butanone (MEK)	< 0.3	0.3	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
chloroform	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
tetrahydrofuran (THF)	< 0.5	0.5	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
benzene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
trichloroethene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
1,4-dioxane	< 2	2	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
dibromomethane	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
4-methyl-2-pentanone (MIBK)	< 0.4	0.4	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
toluene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
2-hexanone	< 0.5	0.5	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	

Project ID: Robbins Auto Block UST Closure 18063**Job ID:** 45810**Sample#:** 45810-003**Sample ID:** Trip Blank**Matrix:** Solid**Sampled:** 9/6/18 0:00

Parameter	Result	Reporting		Instr	Dil'n	Prep		Analysis			Reference
		Limit	Units			Analyst	Date	Batch	Date	Time	
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
o-xylene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
styrene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
bromoform	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
bromobenzene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
naphthalene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
Surrogate Recovery		Limits									
dibromofluoromethane SUR	97	78-114	%	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
toluene-D8 SUR	101	88-110	%	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
4-bromofluorobenzene SUR	93	86-115	%	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	
a,a,a-trifluorotoluene SUR	114	70-130	%	1	LMM	9/7/18	11000	9/7/18	20:55	SW5035A8260C	

Project ID: Robbins Auto Block UST Closure 18063**Job ID:** 45810**Sample#:** 45810-001**Sample ID:** S-1**Matrix:** Solid Percent Dry: 75.6% Results expressed on a dry weight basis.**Sampled:** 9/6/18 12:15

Parameter	Reporting		Units	Instr Dil'n	Factor	Prep		Analysis			Reference
	Result	Limit				Analyst	Date	Batch	Date	Time	
naphthalene	31	0.62	ug/g	1	CL	9/7/18	11002	9/7/18	18:26	SW3550C8270D	
2-methylnaphthalene	140	0.62	ug/g	1	CL	9/7/18	11002	9/7/18	18:26	SW3550C8270D	
acenaphthylene	< 0.62	0.62	ug/g	1	CL	9/7/18	11002	9/7/18	18:26	SW3550C8270D	
acenaphthene	5.8	0.62	ug/g	1	CL	9/7/18	11002	9/7/18	18:26	SW3550C8270D	
dibenzofuran	4.9	0.62	ug/g	1	CL	9/7/18	11002	9/7/18	18:26	SW3550C8270D	
fluorene	11 M	0.62	ug/g	1	CL	9/7/18	11002	9/7/18	18:26	SW3550C8270D	
phenanthrene	21	0.62	ug/g	1	CL	9/7/18	11002	9/7/18	18:26	SW3550C8270D	
anthracene	2.8	0.62	ug/g	1	CL	9/7/18	11002	9/7/18	18:26	SW3550C8270D	
fluoranthene	< 0.62	0.62	ug/g	1	CL	9/7/18	11002	9/7/18	18:26	SW3550C8270D	
pyrene	1.3	0.62	ug/g	1	CL	9/7/18	11002	9/7/18	18:26	SW3550C8270D	
benzo(a)anthracene	< 0.62	0.62	ug/g	1	CL	9/7/18	11002	9/7/18	18:26	SW3550C8270D	
chrysene	< 0.62	0.62	ug/g	1	CL	9/7/18	11002	9/7/18	18:26	SW3550C8270D	
benzo(b)fluoranthene	< 0.62	0.62	ug/g	1	CL	9/7/18	11002	9/7/18	18:26	SW3550C8270D	
benzo(k)fluoranthene	< 0.62	0.62	ug/g	1	CL	9/7/18	11002	9/7/18	18:26	SW3550C8270D	
benzo(a)pyrene	< 0.62	0.62	ug/g	1	CL	9/7/18	11002	9/7/18	18:26	SW3550C8270D	
indeno(1,2,3-cd)pyrene	< 0.62	0.62	ug/g	1	CL	9/7/18	11002	9/7/18	18:26	SW3550C8270D	
dibenzo(a,h)anthracene	< 0.62	0.62	ug/g	1	CL	9/7/18	11002	9/7/18	18:26	SW3550C8270D	
benzo(g,h,i)perylene	< 0.62	0.62	ug/g	1	CL	9/7/18	11002	9/7/18	18:26	SW3550C8270D	
Surrogate Recovery		Limits									
2-fluorobiphenyl SUR	82	43-116	%	1	CL	9/7/18	11002	9/7/18	18:26	SW3550C8270D	
o-terphenyl SUR	86	33-141	%	1	CL	9/7/18	11002	9/7/18	18:26	SW3550C8270D	

M = The recovery for the matrix spike was 150%. The acceptance criteria is 40-140%. All other associated QC samples were acceptable.

Project ID: Robbins Auto Block UST Closure 18063**Job ID:** 45810**Sample#:** 45810-002**Sample ID:** S-2**Matrix:** Solid Percent Dry: 78.5% Results expressed on a dry weight basis.**Sampled:** 9/6/18 12:30

Parameter	Reporting		Units	Instr Dil'n	Factor	Prep		Analysis			Reference
	Result	Limit				Analyst	Date	Batch	Date	Time	
naphthalene	34	0.58	ug/g	1	CL	9/7/18	11002	9/7/18	17:56	SW3550C8270D	
2-methylnaphthalene	150	0.58	ug/g	1	CL	9/7/18	11002	9/7/18	17:56	SW3550C8270D	
acenaphthylene	< 0.58	0.58	ug/g	1	CL	9/7/18	11002	9/7/18	17:56	SW3550C8270D	
acenaphthene	5.1	0.58	ug/g	1	CL	9/7/18	11002	9/7/18	17:56	SW3550C8270D	
dibenzofuran	5.2	0.58	ug/g	1	CL	9/7/18	11002	9/7/18	17:56	SW3550C8270D	
fluorene	10	0.58	ug/g	1	CL	9/7/18	11002	9/7/18	17:56	SW3550C8270D	
phenanthrene	19	0.58	ug/g	1	CL	9/7/18	11002	9/7/18	17:56	SW3550C8270D	
anthracene	2.4	0.58	ug/g	1	CL	9/7/18	11002	9/7/18	17:56	SW3550C8270D	
fluoranthene	< 0.58	0.58	ug/g	1	CL	9/7/18	11002	9/7/18	17:56	SW3550C8270D	
pyrene	1.0	0.58	ug/g	1	CL	9/7/18	11002	9/7/18	17:56	SW3550C8270D	
benzo(a)anthracene	< 0.58	0.58	ug/g	1	CL	9/7/18	11002	9/7/18	17:56	SW3550C8270D	
chrysene	< 0.58	0.58	ug/g	1	CL	9/7/18	11002	9/7/18	17:56	SW3550C8270D	
benzo(b)fluoranthene	< 0.58	0.58	ug/g	1	CL	9/7/18	11002	9/7/18	17:56	SW3550C8270D	
benzo(k)fluoranthene	< 0.58	0.58	ug/g	1	CL	9/7/18	11002	9/7/18	17:56	SW3550C8270D	
benzo(a)pyrene	< 0.58	0.58	ug/g	1	CL	9/7/18	11002	9/7/18	17:56	SW3550C8270D	
indeno(1,2,3-cd)pyrene	< 0.58	0.58	ug/g	1	CL	9/7/18	11002	9/7/18	17:56	SW3550C8270D	
dibenzo(a,h)anthracene	< 0.58	0.58	ug/g	1	CL	9/7/18	11002	9/7/18	17:56	SW3550C8270D	
benzo(g,h,i)perylene	< 0.58	0.58	ug/g	1	CL	9/7/18	11002	9/7/18	17:56	SW3550C8270D	
Surrogate Recovery		Limits									
2-fluorobiphenyl SUR	84	43-116	%	1	CL	9/7/18	11002	9/7/18	17:56	SW3550C8270D	
o-terphenyl SUR	87	33-141	%	1	CL	9/7/18	11002	9/7/18	17:56	SW3550C8270D	

Project ID: Robbins Auto Block UST Closure 18063**Job ID:** 45810**Sample#:** 45810-001**Sample ID:** S-1**Matrix:** Solid Percent Dry: 75.6% Results expressed on a dry weight basis.**Sampled:** 9/6/18 12:15

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Diesel Range Organics (DRO) C10-C28	23000	1200	ug/g	10	JZL	9/7/18	11003	9/10/18	12:55	SW3550C8015D
Surrogate Recovery		Limits								
2-fluorobiphenyl SUR	DOR	40-140	%	10	JZL	9/7/18	11003	9/10/18	12:55	SW3550C8015D
o-terphenyl SUR	DOR	40-140	%	10	JZL	9/7/18	11003	9/10/18	12:55	SW3550C8015D

DOR = Diluted out of range.**Sample#:** 45810-002**Sample ID:** S-2**Matrix:** Solid Percent Dry: 78.5% Results expressed on a dry weight basis.**Sampled:** 9/6/18 12:30

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Diesel Range Organics (DRO) C10-C28	22000	1200	ug/g	10	JZL	9/7/18	11003	9/10/18	12:32	SW3550C8015D
Surrogate Recovery		Limits								
2-fluorobiphenyl SUR	DOR	40-140	%	10	JZL	9/7/18	11003	9/10/18	12:32	SW3550C8015D
o-terphenyl SUR	DOR	40-140	%	10	JZL	9/7/18	11003	9/10/18	12:32	SW3550C8015D

DOR = Diluted out of range.**Sample#:** 45810-004**Sample ID:** S-Comp**Matrix:** Solid Percent Dry: 74.4% Results expressed on a dry weight basis.**Sampled:** 9/6/18 12:15

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Mercury	< 0.19 M	0.19	ug/g	1	AGN	9/21/18	11047	9/21/18	15:47	SW7471B

M = The recovery for the matrix spike was 123%. The acceptance criteria is 80-120%. All other associated QC samples were acceptable.

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ANALYTICAL REPORT

Lab Number:	L1838293
Client:	Absolute Resource Associates 124 Heritage Avenue Portsmouth, NH 03801
ATTN:	Aaron DeWees
Phone:	(603) 436-2001
Project Name:	45810
Project Number:	45810
Report Date:	09/26/18

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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Project Name: 45810
Project Number: 45810

Lab Number: L1838293
Report Date: 09/26/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1838293-01	45810-04	SOIL	NH	09/06/18 00:00	09/25/18



Project Name: 45810**Lab Number:** L1838293**Project Number:** 45810**Report Date:** 09/26/18

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

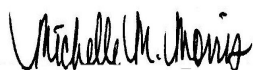
HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Michelle M. Morris

Title: Technical Director/Representative

Date: 09/26/18

METALS

Project Name: 45810**Lab Number:** L1838293**Project Number:** 45810**Report Date:** 09/26/18**SAMPLE RESULTS**

Lab ID: L1838293-01

Date Collected: 09/06/18 00:00

Client ID: 45810-04

Date Received: 09/25/18

Sample Location: NH

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	11.4		mg/kg	0.504	--	1	09/26/18 07:30	09/26/18 10:02	EPA 3050B	1,6010D	LC
Barium, Total	70.0		mg/kg	0.504	--	1	09/26/18 07:30	09/26/18 10:02	EPA 3050B	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.504	--	1	09/26/18 07:30	09/26/18 10:02	EPA 3050B	1,6010D	LC
Chromium, Total	19.5		mg/kg	0.504	--	1	09/26/18 07:30	09/26/18 10:02	EPA 3050B	1,6010D	LC
Lead, Total	47.5		mg/kg	2.52	--	1	09/26/18 07:30	09/26/18 10:02	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.01	--	1	09/26/18 07:30	09/26/18 10:02	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.504	--	1	09/26/18 07:30	09/26/18 10:02	EPA 3050B	1,6010D	LC



Project Name: 45810**Lab Number:** L1838293**Project Number:** 45810**Report Date:** 09/26/18

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1160916-1										
Arsenic, Total	ND		mg/kg	0.400	--	1	09/26/18 07:30	09/26/18 11:28	1,6010D	LC
Barium, Total	ND		mg/kg	0.400	--	1	09/26/18 07:30	09/26/18 11:28	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.400	--	1	09/26/18 07:30	09/26/18 11:28	1,6010D	LC
Chromium, Total	ND		mg/kg	0.400	--	1	09/26/18 07:30	09/26/18 11:28	1,6010D	LC
Lead, Total	ND		mg/kg	2.00	--	1	09/26/18 07:30	09/26/18 11:28	1,6010D	LC
Selenium, Total	ND		mg/kg	0.800	--	1	09/26/18 07:30	09/26/18 11:28	1,6010D	LC
Silver, Total	ND		mg/kg	0.400	--	1	09/26/18 07:30	09/26/18 11:28	1,6010D	LC

Prep Information

Digestion Method: EPA 3050B



Lab Control Sample Analysis
Batch Quality Control**Project Name:** 45810**Project Number:** 45810**Lab Number:** L1838293**Report Date:** 09/26/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1160916-2 SRM Lot Number: D102-540								
Arsenic, Total	98		-		83-117	-		
Barium, Total	87		-		83-118	-		
Cadmium, Total	94		-		83-118	-		
Chromium, Total	91		-		83-117	-		
Lead, Total	94		-		82-118	-		
Selenium, Total	100		-		79-121	-		
Silver, Total	91		-		80-120	-		

Matrix Spike Analysis

Batch Quality Control

Project Name: 45810

Project Number: 45810

Lab Number: L1838293

Report Date: 09/26/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1160916-3 QC Sample: L1838403-01 Client ID: MS Sample												
Arsenic, Total	8.02	10.7	16.9	83		-	-		75-125	-		20
Barium, Total	57.1	179	235	99		-	-		75-125	-		20
Cadmium, Total	ND	4.56	4.72	104		-	-		75-125	-		20
Chromium, Total	17.6	17.9	34.6	95		-	-		75-125	-		20
Lead, Total	64.6	45.6	143	172	Q	-	-		75-125	-		20
Selenium, Total	ND	10.7	10.1	94		-	-		75-125	-		20
Silver, Total	ND	26.8	26.5	99		-	-		75-125	-		20

Lab Duplicate Analysis
*Batch Quality Control***Project Name:** 45810**Project Number:** 45810**Lab Number:** L1838293**Report Date:** 09/26/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1160916-4 QC Sample: L1838403-01 Client ID: DUP Sample						
Arsenic, Total	8.02	7.83	mg/kg	2		20
Barium, Total	57.1	63.5	mg/kg	11		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Chromium, Total	17.6	16.7	mg/kg	5		20
Lead, Total	64.6	80.7	mg/kg	22	Q	20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20

INORGANICS & MISCELLANEOUS

Project Name: 45810**Project Number:** 45810**Lab Number:** L1838293**Report Date:** 09/26/18**SAMPLE RESULTS****Lab ID:** L1838293-01**Client ID:** 45810-04**Sample Location:** NH**Date Collected:** 09/06/18 00:00**Date Received:** 09/25/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.3		%	0.100	NA	1	-	09/26/18 07:31	121,2540G	RI



Lab Duplicate Analysis
Batch Quality Control

Project Name: 45810
Project Number: 45810

Lab Number: L1838293
Report Date: 09/26/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1160936-1 QC Sample: L1838490-01 Client ID: DUP Sample						
Solids, Total	86.2	85.7	%	1		20



Project Name: 45810**Project Number:** 45810

Serial_No:09261814:23

Lab Number: L1838293**Report Date:** 09/26/18**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

Container Information**Container ID** **Container Type**

L1838293-01A Glass 60ml unpreserved split

L1838293-01B Glass 120ml/4oz unpreserved

Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
A	NA		3.6	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),CD-TI(180)
A	NA		3.6	Y	Absent		TS(7)

Project Name: 45810**Lab Number:** L1838293**Project Number:** 45810**Report Date:** 09/26/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Report Format: Data Usability Report



Project Name: 45810**Lab Number:** L1838293**Project Number:** 45810**Report Date:** 09/26/18**Data Qualifiers**

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

Project Name: 45810**Lab Number:** L1838293**Project Number:** 45810**Report Date:** 09/26/18

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 11

Department: **Quality Assurance**

Published Date: 1/8/2018 4:15:49 PM

Title: **Certificate/Approval Program Summary**

Page 1 of 1

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**EPA 300:** DW: Bromide**EPA 6860:** SCM: Perchlorate**EPA 9010:** NPW and SCM: Amenable Cyanide Distillation**SM4500:** NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **EPA 351.1, SM4500P-E, SM4500P-B, E,****SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.****EPA 624:** Volatile Halocarbons & Aromatics,**EPA 608:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

SUBCONTRACT CHAIN OF CUSTODY DOCUMENTATION

Client: Absolute Resource Associates		Contact: Aaron DeWees		Phone: 603-436-2001		Fax:		Page 1 of 1	
Report to: Aaron DeWees/Jane Stratton		Address: 124 Heritage Ave, #16				Project Name/Number: 45810			
Invoice to: cathyd@absoluteresourceassociates.com		Portsmouth, NH 03801				Project State: NH MA ME VT			
PO#: 45810 Quote #:						Protocol: RCRA SDWA NPDES MCL NHDES Other			
Lab Number: (assigned by laboratory)	Field ID: (must agree with container)	Date Sampled	Time Sampled	Sampled By	Container Size (mL)	Container Type (P/G/T)	Field Preservation	Matrix S=Soil W=Water	Analyses Requested: Special Instructions:
	45810-04	9/16/18	0:00		40Z	G	None	S	RCRA-7 Metals (No Hg)
Subcontract Laboratory: Alpha Analytical									
Relinquished by: [Signature]		Date: 9/25/18		Time: 12:10		Received by: [Signature] AAK		Date: 9/25 Time: 12:10	
Relinquished by: [Signature]		Date: 9/25		Time: 19:10		Received by: [Signature]		Date: 9/25 Time: 19:10	
Relinquished by:		Date:		Time:		Received by:		Date: Time:	
Reporting Instructions: PDF (Email Address: aarond@absoluteresourceassociates.com; janes@absoluteresourceassociates.com)								Received on Ice? Y N	
Excel File: Y / N								Temp:	
TAT Requested: Priority (24hr)		Expedited (48hr)		10 Business days		Date needed: 9/26/18			
Comments:									

		124 Heritage Avenue #16 Portsmouth, NH 03801 603-436-2001 absoluteresourceassociates.com		CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST 45810																																																																														
		ANALYSIS REQUEST																																																																																
Company Name: <u>Stonehill Environmental</u> Company Address: <u>600 State St. Portsmouth NH 03801</u> Report To: <u>C. Tomforde</u> Phone #: <u>603-433-1935</u> Invoice to: <u>C. Tomforde / H. Molet</u> Email: _____ PO #: _____			Project Name: <u>Robbins Auto Block UST Closure</u> Project #: <u>18063</u> Project Location: <u>NH MA ME VT</u> Accreditation Required? N/Y: _____ Protocol: RCRA SDWA NPDES MCP NHDES DOD Reporting Limits: QAPP GW-1 <u>S-1</u> EPA DW Other Quote # _____ ☐ NH Reimbursement Pricing																																																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Lab Sample ID (Lab Use Only)</th> <th rowspan="2">Field ID</th> <th rowspan="2"># CONTAINERS</th> <th colspan="3">Matrix</th> <th colspan="5">Preservation Method</th> <th colspan="3">Sampling</th> </tr> <tr> <th>WATER</th> <th>SOLID</th> <th>OTHER</th> <th>HCl</th> <th>HNO₃</th> <th>H₂SO₄</th> <th>NaOH</th> <th>MeOH</th> <th>DATE</th> <th>TIME</th> <th>SAMPLER</th> </tr> </thead> <tbody> <tr> <td><u>4581001</u></td> <td><u>S-1</u></td> <td><u>2</u></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td><u>9-6-18</u></td> <td><u>12:15</u></td> <td><u>CL X</u></td> </tr> <tr> <td><u>02 S-2</u></td> <td><u>2</u></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td><u>9-6-18</u></td> <td><u>12:30</u></td> <td><u>CL X</u></td> </tr> <tr> <td><u>-03 S-Comp</u></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u>9/6/18</u></td> <td></td> <td></td> </tr> <tr> <td><u>-03 Trip Blank</u></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td><u>X</u></td> </tr> </tbody> </table>			Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS	Matrix			Preservation Method					Sampling			WATER	SOLID	OTHER	HCl	HNO ₃	H ₂ SO ₄	NaOH	MeOH	DATE	TIME	SAMPLER	<u>4581001</u>	<u>S-1</u>	<u>2</u>	X						X	<u>9-6-18</u>	<u>12:15</u>	<u>CL X</u>	<u>02 S-2</u>	<u>2</u>		X						X	<u>9-6-18</u>	<u>12:30</u>	<u>CL X</u>	<u>-03 S-Comp</u>			X							<u>9/6/18</u>			<u>-03 Trip Blank</u>			X						X			<u>X</u>	☒ VOC 8260 ☐ VOC 8260 NHDES ☐ VOC 8260 MADEP ☐ VOC 624 ☐ VOC BTEX MIBE, only ☐ VOC 8021VT ☐ VPH MADEP ☐ GRO 8015 ☐ 1,4-Dioxane ☐ VOC 524.2 ☐ VOC 524.2 NH List ☐ Gases-List: ☒ TPH ☒ DRD 8015 ☐ EPH MADEP ☐ TPH Fingerprint ☒ 8270PAH ☐ 8270ABN ☐ 625 ☐ EDB ☐ 8082 PCB ☐ 8081 Pesticides ☐ 608 Pest/PCB ☐ O&G 1664 ☐ Mineral O&G 1664 ☐ pH ☐ BOD ☐ Conductivity ☐ Turbidity ☐ Apparent Color ☐ TSS ☐ TDS ☐ TS ☐ TVS ☐ Alkalinity ☐ Acidity ☒ RCRA Metals ☐ Priority Pollutant Metals ☐ TAL Metals ☐ Hardness ☐ Total Metals-list: ☐ Dissolved Metals-list: ☐ Ammonia ☐ COD ☐ TKN ☐ TN ☐ TON ☐ TOC ☐ Ferrous Iron ☐ T-Phosphorus ☐ Bacteria P/A ☐ Bacteria MPN ☐ Enterococci ☐ Cyanide ☐ Sulfide ☐ Nitrate + Nitrite ☐ Ortho P ☐ Phenols ☐ Nitrate ☐ Nitrite ☐ Chloride ☐ Sulfate ☐ Bromide ☐ Fluoride ☐ Corrosivity ☐ Reactive CN ☐ Reactive S- ☐ Ignitibility/FP ☐ TCLP Metals ☐ TCLP VOC ☐ TCLP SVOC ☐ TCLP Pesticide Subcontract: ☐ Grain Size ☐ Herbicides ☐ Asbestos ☐ PFAS Grab (G) or Composite (C)		
Lab Sample ID (Lab Use Only)	Field ID	# CONTAINERS				Matrix			Preservation Method					Sampling																																																																				
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TAT REQUESTED Priority (24 hr)* ☐ Expedited (48 hr)* ☐ Standard (10 Business Days) ☒ Date Needed: <u>9/11/18</u>			See absoluteresourceassociates.com for sample acceptance policy and current accreditation lists. REPORTING INSTRUCTIONS ☒ PDF (e-mail address) <u>c.tomforde@stonehillenvironmental.com</u> ☐ HARD COPY REQUIRED ☐ EDD			SPECIAL INSTRUCTIONS ★ NOT REIMB. ★ per Chad 9/6/18 5 Firm @ Due 9/10 Surcharge RECEIVED ON ICE YES ☐ NO ☒ TEMPERATURE <u>6</u> °C																																																																												
CUSTODY RECORD QSD-01 Revision 3/12/18			<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Relinquished by Sampler:</td> <td>Date</td> <td>Time</td> <td>Received by:</td> <td>Date</td> <td>Time</td> </tr> <tr> <td><u>[Signature]</u></td> <td><u>9-6-18</u></td> <td><u>14:14</u></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Relinquished by:</td> <td>Date</td> <td>Time</td> <td>Received by:</td> <td>Date</td> <td>Time</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Relinquished by:</td> <td>Date</td> <td>Time</td> <td>Received by Laboratory:</td> <td>Date</td> <td>Time</td> </tr> <tr> <td></td> <td></td> <td></td> <td><u>[Signature]</u></td> <td><u>9/10/18</u></td> <td><u>11/11</u></td> </tr> </table>			Relinquished by Sampler:	Date	Time	Received by:	Date	Time	<u>[Signature]</u>	<u>9-6-18</u>	<u>14:14</u>				Relinquished by:	Date	Time	Received by:	Date	Time							Relinquished by:	Date	Time	Received by Laboratory:	Date	Time				<u>[Signature]</u>	<u>9/10/18</u>	<u>11/11</u>																																									
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ESMI of N.H.

67 International Drive
Loudon NH, 03307

Ticket No: 325027
Date: 10/1/2018 10:09 AM
Phone: 6037830228
Fax: 6037830104

Customer: CYN20	Order No: 12028	Loads: 5
CYN ENVIRONMENTAL SERVICES	Robbins Block	Miles:
8 PROGRESS DRIVE	Chestnut Hill & Washington St.	Tons: 98.77
DOVER NH, 03820	Dover NH	

Truck: SUR #2	SUR Construction #2	Gross: 71,760 lb	MAN WT	Out 10:08 AM
Location: NH	NEW HAMPSHIRE	Tare: 28,900 lb	Scale 1	In 10:00 AM
Weigh Master: ANGELA		Net: 42,860 lb		
Angela Holub		21.43 tn		

Remarks: Thank You For Your Business			Material \$
			Delivery \$
			Misc \$
			Tax \$
Signature: 			Total \$

MATERIAL	QTY	UNIT-\$	DELIVERY \$	MISC \$	TAX \$	TOTAL \$
FO02	21.43 tn					

ESMI of N.H.

67 International Drive
Loudon NH, 03307

Ticket No: 325033
Date: 10/1/2018 10:37 AM
Phone: 6037830228
Fax: 6037830104

Customer: CYN20
CYN ENVIRONMENTAL SERVICES
8 PROGRESS DRIVE

Order No: 12028
Robbins Block
Chestnut Hill & Washington St.

Loads: 5
Miles:
Tons: 98.77

DOVER NH, 03820

Dover NH

Truck: SUR7 SUR Contruction #7
Location: NH NEW HAMPSHIRE

Gross: 69,860 lb Scale 1 Out 10:37 AM
Tare: 28,940 lb Scale 1 In 10:26 AM
Net: 40,920 lb
20.46 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Signature:



Material \$
Delivery \$
Misc \$
Tax \$
Total \$

MATERIAL	QTY	UNIT-\$	DELIVERY \$	MISC \$	TAX \$	TOTAL \$
FO02	20.46 tn					

ESMI of N.H.

67 International Drive
Loudon NH, 03307

Ticket No: 325043
Date: 10/1/2018 11:14 AM
Phone: 6037830228
Fax: 6037830104

Customer: CYN20	Order No: 12028	Loads: 5
CYN ENVIRONMENTAL SERVICES	Robbins Block	Miles:
8 PROGRESS DRIVE	Chestnut Hill & Washington St.	Tons: 98.77
DOVER NH, 03820	Dover NH	

Truck: TURGEON1	Brian Turgeon 1	Gross: 72,620 lb	MAN WT	Out 11:13 AM
Location: NH	NEW HAMPSHIRE	Tare: 29,440 lb	Scale 1	In 11:06 AM
Weigh Master: ANGELA		Net: 43,180 lb		
Angela Holub		21.59 tn		

Remarks: Thank You For Your Business			Material \$
			Delivery \$
			Misc \$
			Tax \$
Signature: 			Total \$

MATERIAL	QTY	UNIT-\$	DELIVERY \$	MISC \$	TAX \$	TOTAL \$
FO02	21.59 tn					

ESMI of N.H.

67 International Drive
Loudon NH, 03307

Ticket No: 325047
Date: 10/1/2018 12:10 PM
Phone: 6037830228
Fax: 6037830104

Customer: CYN20
CYN ENVIRONMENTAL SERVICES
8 PROGRESS DRIVE

Order No: 12028
Robbins Block
Chestnut Hill & Washington St.

Loads: 5
Miles:
Tons: 98.77

DOVER NH, 03820 Dover NH

Truck: RYDER01	Robert Ryder 01	Gross: 63,500 lb	Scale 1	Out 12:09 PM
Location: NH	NEW HAMPSHIRE	Tare: 28,340 lb	Scale 1	In 12:02 PM
Weigh Master: ANGELA		Net: 35,160 lb		
Angela Holub		17.58 tn		

Remarks: Thank You For Your Business			Material \$
			Delivery \$
			Misc \$
			Tax \$
Signature: 			Total \$

MATERIAL	QTY	UNIT-\$	DELIVERY \$	MISC \$	TAX \$	TOTAL \$
FO02	17.58 tn					

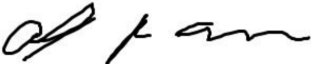
ESMI of N.H.

67 International Drive
Loudon NH, 03307

Ticket No: 325048
Date: 10/1/2018 12:13 PM
Phone: 6037830228
Fax: 6037830104

Customer: CYN20	Order No: 12028	Loads: 5
CYN ENVIRONMENTAL SERVICES	Robbins Block	Miles:
8 PROGRESS DRIVE	Chestnut Hill & Washington St.	Tons: 98.77
DOVER NH, 03820	Dover NH	

Truck: CAVALLARO1	Cavallaro & Sons #1	Gross: 63,580 lb	Scale 1	Out 12:11 PM
Location: NH	NEW HAMPSHIRE	Tare: 28,160 lb	Scale 1	In 12:06 PM
Weigh Master: ANGELA		Net: 35,420 lb		
Angela Holub		17.71 tn		

Remarks: Thank You For Your Business			Material \$
			Delivery \$
			Misc \$
			Tax \$
Signature: 			Total \$

MATERIAL	QTY	UNIT-\$	DELIVERY \$	MISC \$	TAX \$	TOTAL \$
FO02	17.71 tn					

Chestnut St. CST Closure - (Soil Removal Task)

Sheet 1 of 1

PROJECT NO.:

DATE:

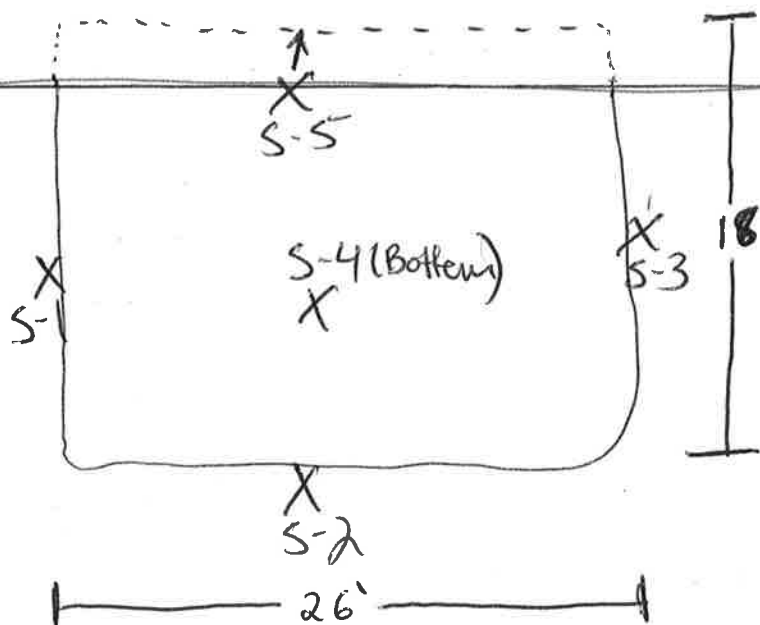
PREPARED BY:

18063

10-1-18

Colane

chestnut St.

[illegible]

Laboratory Report



Absolute Resource *associates*

124 Heritage Avenue Portsmouth NH 03801

Chad Tomforde
Stonehill Environmental
600 State St
Suite 2
Portsmouth, NH 03801

PO Number: None
Job ID: 46144
Date Received: 10/1/18

Project: Chestnut St. UST 18063

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of Absolute Resource Associates' Quality Assurance Plan. The Standard Operating Procedures are based upon USEPA SW-846, USEPA Methods for Chemical Analysis of Water and Wastewater, Standard Methods for the Examination of Water and Wastewater and other recognized methodologies. The results contained in this report pertain only to the samples as indicated on the chain of custody.

Absolute Resource Associates maintains certification with the agencies listed below.

We appreciate the opportunity to provide laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be glad to assist you.

Sincerely,
Absolute Resource Associates

A handwritten signature in black ink, which appears to read "Sue Sylvester (for)". The signature is written in a cursive, flowing style.

Sue Sylvester
Principal, General Manager

Date of Approval: 10/10/2018
Total number of pages: 17

Absolute Resource Associates Certifications

New Hampshire 1732
Maine NH903

Massachusetts M-NH902

Project ID: Chestnut St. UST 18063**Job ID:** 46144**Sample#:** 46144-001**Sample ID:** S-1 (8-9ft)**Matrix:** Solid

Percent Dry: 79.7% Results expressed on a dry weight basis.

Sampled: 10/1/18 10:15

Parameter	Result	Reporting		Instr Dil'n		Prep		Analysis		Reference
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
chloromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
bromomethane	< 0.3	0.3	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
chloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
diethyl ether	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
acetone	< 3	3	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
methylene chloride	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
t-butanol (TBA)	< 3	3	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
2-butanone (MEK)	< 0.3	0.3	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
chloroform	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
tetrahydrofuran (THF)	< 0.5	0.5	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
benzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
trichloroethene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
1,4-dioxane	< 3	3	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
dibromomethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
4-methyl-2-pentanone (MIBK)	< 0.5	0.5	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
toluene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
2-hexanone	< 0.5	0.5	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C

Project ID: Chestnut St. UST 18063**Job ID:** 46144**Sample#:** 46144-001**Sample ID:** S-1 (8-9ft)**Matrix:** Solid

Percent Dry: 79.7% Results expressed on a dry weight basis.

Sampled: 10/1/18 10:15

Parameter	Result	Reporting		Instr Dil'n		Prep		Analysis		Reference
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
o-xylene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
styrene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
bromoform	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
bromobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
naphthalene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
Surrogate Recovery		Limits								
dibromofluoromethane SUR	96	78-114	%	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
toluene-D8 SUR	97	88-110	%	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
4-bromofluorobenzene SUR	100	86-115	%	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C
a,a,a-trifluorotoluene SUR	104	70-130	%	1	LMM	10/2/18	11081	10/5/18	19:17	SW5035A8260C

Project ID: Chestnut St. UST 18063**Job ID:** 46144**Sample#:** 46144-002**Sample ID:** S-3 (8-9ft)**Matrix:** Solid

Percent Dry: 77.7% Results expressed on a dry weight basis.

Sampled: 10/1/18 10:30

Parameter	Result	Reporting		Instr Dil'n		Prep		Analysis		Reference
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
chloromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
bromomethane	< 0.3	0.3	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
chloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
diethyl ether	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
acetone	< 3	3	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
methylene chloride	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
t-butanol (TBA)	< 3	3	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
2-butanone (MEK)	< 0.3	0.3	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
chloroform	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
tetrahydrofuran (THF)	< 0.5	0.5	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
benzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
trichloroethene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
1,4-dioxane	< 3	3	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
dibromomethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
4-methyl-2-pentanone (MIBK)	< 0.5	0.5	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
toluene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
2-hexanone	< 0.5	0.5	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C

Project ID: Chestnut St. UST 18063**Job ID:** 46144**Sample#:** 46144-002**Sample ID:** S-3 (8-9ft)**Matrix:** Solid

Percent Dry: 77.7% Results expressed on a dry weight basis.

Sampled: 10/1/18 10:30

Parameter	Result	Reporting		Instr Dil'n		Prep		Analysis		Reference
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
o-xylene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
styrene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
bromoform	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
bromobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
naphthalene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
Surrogate Recovery		Limits								
dibromofluoromethane SUR	99	78-114	%	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
toluene-D8 SUR	99	88-110	%	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
4-bromofluorobenzene SUR	98	86-115	%	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C
a,a,a-trifluorotoluene SUR	108	70-130	%	1	LMM	10/2/18	11081	10/5/18	19:43	SW5035A8260C

Project ID: Chestnut St. UST 18063**Job ID:** 46144**Sample#:** 46144-003**Sample ID:** S-4 (Bottom 10ft)**Matrix:** Solid Percent Dry: 77.3% Results expressed on a dry weight basis.**Sampled:** 10/1/18 10:40

Parameter	Reporting		Units	Instr Dil'n Factor	Prep		Analysis			Reference
	Result	Limit			Analyst	Date	Batch	Date	Time	
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
chloromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
bromomethane	< 0.3	0.3	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
chloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
diethyl ether	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
acetone	< 3	3	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
methylene chloride	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
t-butanol (TBA)	< 3	3	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
2-butanone (MEK)	< 0.3	0.3	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
chloroform	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
tetrahydrofuran (THF)	< 0.6	0.6	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
benzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
trichloroethene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
1,4-dioxane	< 3	3	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
dibromomethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
4-methyl-2-pentanone (MIBK)	< 0.5	0.5	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
toluene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
2-hexanone	< 0.6	0.6	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C

Project ID: Chestnut St. UST 18063**Job ID:** 46144**Sample#:** 46144-003**Sample ID:** S-4 (Bottom 10ft)**Matrix:** Solid Percent Dry: 77.3% Results expressed on a dry weight basis.**Sampled:** 10/1/18 10:40

Parameter	Reporting		Units	Instr Dil'n	Prep		Analysis			Reference
	Result	Limit			Analyst	Date	Batch	Date	Time	
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
o-xylene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
styrene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
bromoform	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
bromobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
naphthalene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
Surrogate Recovery	Limits									
dibromofluoromethane SUR	98	78-114	%	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
toluene-D8 SUR	100	88-110	%	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
4-bromofluorobenzene SUR	94	86-115	%	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C
a,a,a-trifluorotoluene SUR	107	70-130	%	1	LMM	10/2/18	11081	10/5/18	20:09	SW5035A8260C

Project ID: Chestnut St. UST 18063**Job ID:** 46144**Sample#:** 46144-004**Sample ID:** S-5 (9ft)**Matrix:** Solid

Percent Dry: 79.4% Results expressed on a dry weight basis.

Sampled: 10/1/18 11:00

Parameter	Result	Reporting		Instr Dil'n		Prep		Analysis		Reference
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
chloromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
bromomethane	< 0.3	0.3	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
chloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
diethyl ether	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
acetone	< 3	3	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
methylene chloride	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
t-butanol (TBA)	< 3	3	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
2-butanone (MEK)	< 0.3	0.3	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
chloroform	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
tetrahydrofuran (THF)	< 0.5	0.5	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
benzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
trichloroethene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
1,4-dioxane	< 3	3	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
dibromomethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
4-methyl-2-pentanone (MIBK)	< 0.5	0.5	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
toluene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
2-hexanone	< 0.5	0.5	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C

Project ID: Chestnut St. UST 18063**Job ID:** 46144**Sample#:** 46144-004**Sample ID:** S-5 (9ft)**Matrix:** Solid

Percent Dry: 79.4% Results expressed on a dry weight basis.

Sampled: 10/1/18 11:00

Parameter	Result	Reporting		Instr Dil'n		Prep		Analysis		Reference
		Limit	Units	Factor	Analyst	Date	Batch	Date	Time	
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
o-xylene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
styrene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
bromoform	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
bromobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
naphthalene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
Surrogate Recovery		Limits								
dibromofluoromethane SUR	95	78-114	%	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
toluene-D8 SUR	100	88-110	%	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
4-bromofluorobenzene SUR	102	86-115	%	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C
a,a,a-trifluorotoluene SUR	116	70-130	%	1	LMM	10/2/18	11081	10/5/18	20:35	SW5035A8260C

Project ID: Chestnut St. UST 18063**Job ID:** 46144**Sample#:** 46144-005**Sample ID:** Trip Blank**Matrix:** Solid**Sampled:** 10/1/18 0:00

Parameter	Result	Reporting		Instr	Dil'n	Prep		Analysis		Reference
		Limit	Units			Analyst	Date	Batch	Date	Time
dichlorodifluoromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
chloromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
vinyl chloride	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
bromomethane	< 0.2	0.2	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
chloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
trichlorofluoromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
diethyl ether	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
acetone	< 2	2	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
1,1-dichloroethene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
methylene chloride	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
carbon disulfide	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
methyl t-butyl ether (MTBE)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
trans-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
isopropyl ether (DIPE)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
ethyl t-butyl ether (ETBE)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
1,1-dichloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
t-butanol (TBA)	< 2	2	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
2-butanone (MEK)	< 0.3	0.3	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
2,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
cis-1,2-dichloroethene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
chloroform	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
bromochloromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
tetrahydrofuran (THF)	< 0.5	0.5	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
1,1,1-trichloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
1,1-dichloropropene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
t-amyl-methyl ether (TAME)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
carbon tetrachloride	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
1,2-dichloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
benzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
trichloroethene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
1,2-dichloropropane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
bromodichloromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
1,4-dioxane	< 2	2	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
dibromomethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
4-methyl-2-pentanone (MIBK)	< 0.4	0.4	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
cis-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
toluene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
trans-1,3-dichloropropene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
2-hexanone	< 0.5	0.5	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
1,1,2-trichloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
1,3-dichloropropane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
tetrachloroethene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
dibromochloromethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C

Project ID: Chestnut St. UST 18063**Job ID:** 46144**Sample#:** 46144-005**Sample ID:** Trip Blank**Matrix:** Solid**Sampled:** 10/1/18 0:00

Parameter	Result	Reporting		Instr	Dil'n	Prep		Analysis		Reference
		Limit	Units			Analyst	Date	Batch	Date	Time
1,2-dibromoethane (EDB)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
chlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
1,1,1,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
ethylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
m&p-xylenes	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
o-xylene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
styrene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
bromoform	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
isopropylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
1,1,2,2-tetrachloroethane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
1,2,3-trichloropropane	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
n-propylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
bromobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
1,3,5-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
2-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
4-chlorotoluene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
tert-butylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
1,2,4-trimethylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
sec-butylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
1,3-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
4-isopropyltoluene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
1,4-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
1,2-dichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
n-butylbenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
1,2-dibromo-3-chloropropane (DBCP)	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
1,2,4-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
1,3,5-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
hexachlorobutadiene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
naphthalene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
1,2,3-trichlorobenzene	< 0.1	0.1	ug/g	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
Surrogate Recovery		Limits								
dibromofluoromethane SUR	101	78-114	%	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
toluene-D8 SUR	101	88-110	%	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
4-bromofluorobenzene SUR	102	86-115	%	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C
a,a,a-trifluorotoluene SUR	97	70-130	%	1	LMM	10/2/18	11081	10/5/18	18:51	SW5035A8260C

Project ID: Chestnut St. UST 18063**Job ID:** 46144**Sample#:** 46144-001**Sample ID:** S-1 (8-9ft)**Matrix:** Solid

Percent Dry: 79.7% Results expressed on a dry weight basis.

Sampled: 10/1/18 10:15

Parameter	Reporting		Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis		Reference
	Result	Limit						Date	Time	
naphthalene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	11:43	SW3550C8270D
2-methylnaphthalene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	11:43	SW3550C8270D
acenaphthylene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	11:43	SW3550C8270D
acenaphthene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	11:43	SW3550C8270D
dibenzofuran	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	11:43	SW3550C8270D
fluorene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	11:43	SW3550C8270D
phenanthrene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	11:43	SW3550C8270D
anthracene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	11:43	SW3550C8270D
fluoranthene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	11:43	SW3550C8270D
pyrene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	11:43	SW3550C8270D
benzo(a)anthracene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	11:43	SW3550C8270D
chrysene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	11:43	SW3550C8270D
benzo(b)fluoranthene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	11:43	SW3550C8270D
benzo(k)fluoranthene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	11:43	SW3550C8270D
benzo(a)pyrene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	11:43	SW3550C8270D
indeno(1,2,3-cd)pyrene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	11:43	SW3550C8270D
dibenzo(a,h)anthracene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	11:43	SW3550C8270D
benzo(g,h,i)perylene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	11:43	SW3550C8270D
Surrogate Recovery		Limits								
2-fluorobiphenyl SUR	68	43-116	%	1	CL	10/2/18	11076	10/3/18	11:43	SW3550C8270D
o-terphenyl SUR	94	33-141	%	1	CL	10/2/18	11076	10/3/18	11:43	SW3550C8270D

Project ID: Chestnut St. UST 18063**Job ID:** 46144**Sample#:** 46144-002**Sample ID:** S-3 (8-9ft)**Matrix:** Solid

Percent Dry: 77.7% Results expressed on a dry weight basis.

Sampled: 10/1/18 10:30

Parameter	Reporting		Units	Instr Dil'n	Factor	Prep		Analysis			Reference
	Result	Limit				Analyst	Date	Batch	Date	Time	
naphthalene	< 0.62	0.62	ug/g	1		CL	10/2/18	11076	10/3/18	12:14	SW3550C8270D
2-methylnaphthalene	< 0.62	0.62	ug/g	1		CL	10/2/18	11076	10/3/18	12:14	SW3550C8270D
acenaphthylene	< 0.62	0.62	ug/g	1		CL	10/2/18	11076	10/3/18	12:14	SW3550C8270D
acenaphthene	< 0.62	0.62	ug/g	1		CL	10/2/18	11076	10/3/18	12:14	SW3550C8270D
dibenzofuran	< 0.62	0.62	ug/g	1		CL	10/2/18	11076	10/3/18	12:14	SW3550C8270D
fluorene	< 0.62	0.62	ug/g	1		CL	10/2/18	11076	10/3/18	12:14	SW3550C8270D
phenanthrene	< 0.62	0.62	ug/g	1		CL	10/2/18	11076	10/3/18	12:14	SW3550C8270D
anthracene	< 0.62	0.62	ug/g	1		CL	10/2/18	11076	10/3/18	12:14	SW3550C8270D
fluoranthene	< 0.62	0.62	ug/g	1		CL	10/2/18	11076	10/3/18	12:14	SW3550C8270D
pyrene	< 0.62	0.62	ug/g	1		CL	10/2/18	11076	10/3/18	12:14	SW3550C8270D
benzo(a)anthracene	< 0.62	0.62	ug/g	1		CL	10/2/18	11076	10/3/18	12:14	SW3550C8270D
chrysene	< 0.62	0.62	ug/g	1		CL	10/2/18	11076	10/3/18	12:14	SW3550C8270D
benzo(b)fluoranthene	< 0.62	0.62	ug/g	1		CL	10/2/18	11076	10/3/18	12:14	SW3550C8270D
benzo(k)fluoranthene	< 0.62	0.62	ug/g	1		CL	10/2/18	11076	10/3/18	12:14	SW3550C8270D
benzo(a)pyrene	< 0.62	0.62	ug/g	1		CL	10/2/18	11076	10/3/18	12:14	SW3550C8270D
indeno(1,2,3-cd)pyrene	< 0.62	0.62	ug/g	1		CL	10/2/18	11076	10/3/18	12:14	SW3550C8270D
dibenzo(a,h)anthracene	< 0.62	0.62	ug/g	1		CL	10/2/18	11076	10/3/18	12:14	SW3550C8270D
benzo(g,h,i)perylene	< 0.62	0.62	ug/g	1		CL	10/2/18	11076	10/3/18	12:14	SW3550C8270D
Surrogate Recovery		Limits									
2-fluorobiphenyl SUR	55	43-116	%	1		CL	10/2/18	11076	10/3/18	12:14	SW3550C8270D
o-terphenyl SUR	76	33-141	%	1		CL	10/2/18	11076	10/3/18	12:14	SW3550C8270D

Project ID: Chestnut St. UST 18063**Job ID:** 46144**Sample#:** 46144-003**Sample ID:** S-4 (Bottom 10ft)**Matrix:** Solid Percent Dry: 77.3% Results expressed on a dry weight basis.**Sampled:** 10/1/18 10:40

Parameter	Reporting		Units	Instr Dil'n Factor	Analyst	Prep	Analysis			Reference
	Result	Limit				Date	Batch	Date	Time	
naphthalene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	12:44	SW3550C8270D
2-methylnaphthalene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	12:44	SW3550C8270D
acenaphthylene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	12:44	SW3550C8270D
acenaphthene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	12:44	SW3550C8270D
dibenzofuran	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	12:44	SW3550C8270D
fluorene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	12:44	SW3550C8270D
phenanthrene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	12:44	SW3550C8270D
anthracene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	12:44	SW3550C8270D
fluoranthene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	12:44	SW3550C8270D
pyrene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	12:44	SW3550C8270D
benzo(a)anthracene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	12:44	SW3550C8270D
chrysene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	12:44	SW3550C8270D
benzo(b)fluoranthene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	12:44	SW3550C8270D
benzo(k)fluoranthene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	12:44	SW3550C8270D
benzo(a)pyrene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	12:44	SW3550C8270D
indeno(1,2,3-cd)pyrene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	12:44	SW3550C8270D
dibenzo(a,h)anthracene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	12:44	SW3550C8270D
benzo(g,h,i)perylene	< 0.62	0.62	ug/g	1	CL	10/2/18	11076	10/3/18	12:44	SW3550C8270D
Surrogate Recovery		Limits								
2-fluorobiphenyl SUR	47	43-116	%	1	CL	10/2/18	11076	10/3/18	12:44	SW3550C8270D
o-terphenyl SUR	65	33-141	%	1	CL	10/2/18	11076	10/3/18	12:44	SW3550C8270D

Project ID: Chestnut St. UST 18063**Job ID:** 46144**Sample#:** 46144-004**Sample ID:** S-5 (9ft)**Matrix:** Solid

Percent Dry: 79.4% Results expressed on a dry weight basis.

Sampled: 10/1/18 11:00

Parameter	Reporting		Units	Instr Dil'n Factor	Analyst	Prep	Batch	Analysis		Reference
	Result	Limit				Date		Date	Time	
naphthalene	< 0.60	0.60	ug/g	1	CL	10/2/18	11076	10/3/18	13:14	SW3550C8270D
2-methylnaphthalene	< 0.60	0.60	ug/g	1	CL	10/2/18	11076	10/3/18	13:14	SW3550C8270D
acenaphthylene	< 0.60	0.60	ug/g	1	CL	10/2/18	11076	10/3/18	13:14	SW3550C8270D
acenaphthene	< 0.60	0.60	ug/g	1	CL	10/2/18	11076	10/3/18	13:14	SW3550C8270D
dibenzofuran	< 0.60	0.60	ug/g	1	CL	10/2/18	11076	10/3/18	13:14	SW3550C8270D
fluorene	< 0.60	0.60	ug/g	1	CL	10/2/18	11076	10/3/18	13:14	SW3550C8270D
phenanthrene	< 0.60	0.60	ug/g	1	CL	10/2/18	11076	10/3/18	13:14	SW3550C8270D
anthracene	< 0.60	0.60	ug/g	1	CL	10/2/18	11076	10/3/18	13:14	SW3550C8270D
fluoranthene	< 0.60	0.60	ug/g	1	CL	10/2/18	11076	10/3/18	13:14	SW3550C8270D
pyrene	< 0.60	0.60	ug/g	1	CL	10/2/18	11076	10/3/18	13:14	SW3550C8270D
benzo(a)anthracene	< 0.60	0.60	ug/g	1	CL	10/2/18	11076	10/3/18	13:14	SW3550C8270D
chrysene	< 0.60	0.60	ug/g	1	CL	10/2/18	11076	10/3/18	13:14	SW3550C8270D
benzo(b)fluoranthene	< 0.60	0.60	ug/g	1	CL	10/2/18	11076	10/3/18	13:14	SW3550C8270D
benzo(k)fluoranthene	< 0.60	0.60	ug/g	1	CL	10/2/18	11076	10/3/18	13:14	SW3550C8270D
benzo(a)pyrene	< 0.60	0.60	ug/g	1	CL	10/2/18	11076	10/3/18	13:14	SW3550C8270D
indeno(1,2,3-cd)pyrene	< 0.60	0.60	ug/g	1	CL	10/2/18	11076	10/3/18	13:14	SW3550C8270D
dibenzo(a,h)anthracene	< 0.60	0.60	ug/g	1	CL	10/2/18	11076	10/3/18	13:14	SW3550C8270D
benzo(g,h,i)perylene	< 0.60	0.60	ug/g	1	CL	10/2/18	11076	10/3/18	13:14	SW3550C8270D
Surrogate Recovery		Limits								
2-fluorobiphenyl SUR	56	43-116	%	1	CL	10/2/18	11076	10/3/18	13:14	SW3550C8270D
o-terphenyl SUR	78	33-141	%	1	CL	10/2/18	11076	10/3/18	13:14	SW3550C8270D

Project ID: Chestnut St. UST 18063**Job ID:** 46144**Sample#:** 46144-001**Sample ID:** S-1 (8-9ft)**Matrix:** Solid Percent Dry: 79.7% Results expressed on a dry weight basis.**Sampled:** 10/1/18 10:15

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Diesel Range Organics (DRO) C10-C28	< 120	120	ug/g	1	AAG	10/2/18	11077	10/8/18	9:38	SW3550C8015D
Surrogate Recovery		Limits								
2-fluorobiphenyl SUR	65	40-140	%	1	AAG	10/2/18	11077	10/8/18	9:38	SW3550C8015D
o-terphenyl SUR	80	40-140	%	1	AAG	10/2/18	11077	10/8/18	9:38	SW3550C8015D

Sample#: 46144-002**Sample ID:** S-3 (8-9ft)**Matrix:** Solid Percent Dry: 77.7% Results expressed on a dry weight basis.**Sampled:** 10/1/18 10:30

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Diesel Range Organics (DRO) C10-C28	< 120	120	ug/g	1	AAG	10/2/18	11077	10/8/18	10:01	SW3550C8015D
Surrogate Recovery		Limits								
2-fluorobiphenyl SUR	55	40-140	%	1	AAG	10/2/18	11077	10/8/18	10:01	SW3550C8015D
o-terphenyl SUR	67	40-140	%	1	AAG	10/2/18	11077	10/8/18	10:01	SW3550C8015D

Sample#: 46144-003**Sample ID:** S-4 (Bottom 10ft)**Matrix:** Solid Percent Dry: 77.3% Results expressed on a dry weight basis.**Sampled:** 10/1/18 10:40

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Diesel Range Organics (DRO) C10-C28	< 120	120	ug/g	1	AAG	10/2/18	11077	10/8/18	10:25	SW3550C8015D
Surrogate Recovery		Limits								
2-fluorobiphenyl SUR	49	40-140	%	1	AAG	10/2/18	11077	10/8/18	10:25	SW3550C8015D
o-terphenyl SUR	64	40-140	%	1	AAG	10/2/18	11077	10/8/18	10:25	SW3550C8015D

Sample#: 46144-004**Sample ID:** S-5 (9ft)**Matrix:** Solid Percent Dry: 79.4% Results expressed on a dry weight basis.**Sampled:** 10/1/18 11:00

Parameter	Result	Reporting Limit	Units	Instr Dil'n Factor	Analyst	Prep Date	Batch	Analysis Date	Time	Reference
Diesel Range Organics (DRO) C10-C28	< 120	120	ug/g	1	AAG	10/2/18	11077	10/8/18	10:49	SW3550C8015D
Surrogate Recovery		Limits								
2-fluorobiphenyl SUR	59	40-140	%	1	AAG	10/2/18	11077	10/8/18	10:49	SW3550C8015D
o-terphenyl SUR	75	40-140	%	1	AAG	10/2/18	11077	10/8/18	10:49	SW3550C8015D

Page 17 of 17

Customer Usage by Date

 **COPY**

Date Range 10/1/2018 to 10/5/2018
Customer Range CYN20 to CYN20
Order Range 0000 to WC10
Material Range 18/MINI to ZLA

Date Run: 10/08/18
Time Run 10:28 AM

Date	Number	Truck ID	Material ID	Unit	Net	Material \$	Delivery \$	Tax / Misc \$	Total \$
Customer: CYN20 - CYN ENVIRONMENTAL SERVICES									
Order: 12028 - Robbins Block									
Chestnut Hill & Washington St. Dover			NH						
10/1/2018	325027	SUR #2	FO02	0.00	21.43	tn			
10/1/2018	325033	SUR7	FO02	0.00	20.46	tn			
10/1/2018	325043	TURGEON1	FO02	0.00	21.59	tn			
10/1/2018	325047	RYDER01	FO02	0.00	17.58	tn			
10/1/2018	325048	CAVALLARO1	FO02	0.00	17.71	tn			
#2 FUEL OIL	Totals			0.00	98.77	tn			
Total Tickets: Tickets: 5									
12028 - Robbins Block Totals					98.77	tn			
Tickets: 5									
CYN20 - CYN ENVIRONMENTAL SERVICES Totals					98.77	tn			
Tickets: 5									
Grand Totals					98.77	tn			
Total Tickets: 5									

67 International Drive
Loudon NH, 03307

Ticket No: 325027
Date: 10/1/2018 10:09 AM
Phone: 6037830228
Fax: 6037830104

Customer: CYN20
CYN ENVIRONMENTAL SERVICES
8 PROGRESS DRIVE

Order No: 12028
Robbins Block
Chestnut Hill & Washington St.

Loads: 5
Miles:
Tons: 98.77

DOVER NH, 03820

Dover NH

Truck: SUR #2 SUR Construction #2
Location: NH NEW HAMPSHIRE

Gross: 71,760 lb MAN WT Out 10:08 AM
Tare: 28,900 lb Scale 1 In 10:00 AM
Net: 42,860 lb
21.43 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Signature:



Material \$

Delivery \$

Misc \$

Tax \$

Total \$

MATERIAL	QTY	UNIT-\$	DELIVERY \$	MISC \$	TAX \$	TOTAL \$
FO02	21.43 tn					

ORIGINAL - NOT NEGOTIABLE

CARRIER Fulcrum

2000 13 510

TABLE 1. NO.

DAI

352

CONCLUSION

ESMI

Lochen NH

FROM: CHINA

Fulcrum Assoc

100-104 Washington St.

Dover NH

ME FUCHI
MURPHY 13

DEPARTMENT OF THE ARMY

CONFIDENTIAL

AMF 5

COB HHS

2294 CHOI

AP/1/2/20

TOTAL CHARGES \$

FRIGHT CHARGES

1-800-855-6112

Figure 1

On 12 July 2002, an outbreak of gastroenteritis probably food-borne, affecting 10 children in the school in the town of Fieschi, in the Liguria region, was reported. The outbreak was reported to the local health authority, which contacted the Regional Health Service (RHS) and the Regional Institute of Hygiene (RIH). The RIH conducted an investigation of the outbreak, and the RHS coordinated the investigation. The outbreak was reported to the Regional Health Service (RHS) and the Regional Institute of Hygiene (RIH). The RIH conducted an investigation of the outbreak, and the RHS coordinated the investigation. The outbreak was reported to the Regional Health Service (RHS) and the Regional Institute of Hygiene (RIH). The RIH conducted an investigation of the outbreak, and the RHS coordinated the investigation.

[illegible]

Stamp: **RECEIVED**
 Date: **10/10/1910**
 Time: **10:10**
 Signature: *David J. [illegible]*

6243416-2

PEER

DATE 10-1-18

67 International Drive
Loudon NH, 03307

Ticket No: 325033
Date: 10/1/2018 10:37 AM
Phone: 6037830228
Fax: 6037830104

Customer: CYN20
CYN ENVIRONMENTAL SERVICES
8 PROGRESS DRIVE

Order No: 12028
Robbins Block
Chestnut Hill & Washington St.

Loads: 5
Miles:
Tons: 98.77

DOVER NH, 03820

Dover NH

Truck: SUR7 SUR Contruction #7
Location: NH NEW HAMPSHIRE

Gross: 69,860 lb Scale 1 Out 10:37 AM
Tare: 28,940 lb Scale 1 In 10:26 AM
Net: 40,920 lb
20.46 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material \$

Delivery \$

Misc \$

Tax \$

Total \$

Signature:

Karen Puro

MATERIAL	QTY	UNIT-\$	DELIVERY \$	MISC \$	TAX \$	TOTAL \$
FO02	20.46 tn					

STRAIGHT BILL OF LADING

27466

ORIGINAL - NOT NEGOTIABLE

SHIPPER NO.

CARRIER

Folcrom/SUR

CARRIER NO.

DATE:

TO:
CONSIGNEE

ESMI

67 International Dr.
London NHFROM:
SHIPPERFolcrom Assoc
106-104 Washington St
Dover NHEMERGENCY
RESPONSE PHONE NO.VEHICLE
NUMBER

NO. SHIPPING UNITS	HAZ	KIND OF PACKAGING, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS	WEIGHT (subject to correction)	RATE	CHARGES
1 dump truck		fuel oil contaminated soil ESMI Assoc Dover NH 10/1/18	~20 ton		

REMIT C.O.D. TO ADDRESS

C.O.D. AMT. \$		C.O.D. FEE \$	
COD		PREPAID COLLECT	
TOTAL CHARGES \$		FREIGHT CHARGES	
PREPAID COLLECT		PREPAID COLLECT	

NOTE: Where the value is determined by value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specified and agreed by the shipper to be not exceeding:

\$ _____ per _____

This is to certify that the above named materials are properly classified, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Signature _____

Subject to Section 7 of conditions, if the shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

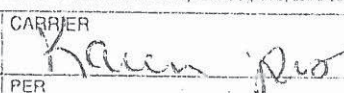
The carrier shall not be liable for the delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

REGULATIONS: Subject to the latest terms and conditions then in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except its nature, condition and contents of packages, unloading, marking, destination, or a desired and stated above which said carrier (the vessel carrier being understood throughout the contract as meaning any person or corporation in possession of property under the contract) agrees to carry to its usual place of delivery at said destination or to route, delivered to deliver to another carrier on the route to said destination. It is mutually agreed, as to each car or of all or any of said property, over after any portion of said route to destination and as to each party at any time intended to be carried by any said property that every service to be performed hereunder shall be subject to the Bill of Lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the Bill of Lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

NOTICE: Freight charges under this Bill of Lading is subject to the classification and freight rates in effect on the date of this Bill of Lading. This notice supersedes and negates any claim, alleged or asserted oral or written contract, promise, representation or understanding to the contrary with respect to the freight, except to the extent of any written contract which establishes lawful contract carriage and is signed by authorized representatives of both parties to the contract.

SHIPPER CARRIER 

DATE 10-1-18

PER _____

PER _____

67 International Drive
Loudon NH, 03307

Ticket No: 325043
Date: 10/1/2018 11:14 AM
Phone: 6037830228
Fax: 6037830104

Customer: CYN20
CYN ENVIRONMENTAL SERVICES
8 PROGRESS DRIVE

Order No: 12028
Robbins Block
Chestnut Hill & Washington St.

Loads: 5
Miles:
Tons: 98.77

DOVER NH, 03820

Dover NH

Truck: TURGEON1 Brian Turgeon 1
Location: NH NEW HAMPSHIRE

Gross: 72,620 lb MAN WT Out 11:13 AM
Tare: 29,440 lb Scale 1 In 11:06 AM
Net: 43,180 lb
21.59 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material \$

Delivery \$

Misc \$

Tax \$

Total \$

Signature: 

MATERIAL	QTY	UNIT-\$	DELIVERY \$	MISC \$	TAX \$	TOTAL \$
FO02	21.59 tn					

STRAIGHT BILL OF LADING

27466

ORIGINAL - NOT NEGOTIABLE

SHIPPER NO.

CARRIER:

CARRIER NO.

DATE:

TO:
CONSIGNEE

ESMT

FROM:
SHIPPERFulcrum Assoc
100-104 Washington St
Dover NH67 International Dr.
Loudon NH67 International Dr.
Loudon NHEMERGENCY
RESPONSE PHONE NO.VEHICLE
NUMBER

NO. SHIPPING UNITS	HT*	KIND OF PACKAGING, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS	WEIGHT (subject to correction)	RATE	CHARGES
1 Dump truck		fuel on contaminated soil Sh. Arnold 21 tires 10/1/18	~ 20 tons		

REMIT COD TO ADDRESS

COD

AMT: \$

COD FEE'S

PREPAID

COLLECT

NOTE: While the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby accepted and shall be the amount to be paid in the event of loss or damage.

\$

Signature

This is to certify that the above named materials are properly labeled, assessed, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Subject to Section 7 of conditions, this shipment is to be delivered to the consignee without recourse on the basis of the consignee shall sign the following statement:

The carrier shall not be liable for delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignee)

TOTAL
CHARGES \$

FREIGHT CHARGES

PREPAID

COLLECT

RECEIVED subject to the latest terms and conditions of the Bill of Lading, the property described above is received in apparent good order, except as noted hereon, and conditions of carriage are hereby accepted by the carrier, as it is delivered to the carrier at the place of origin, and the carrier is not responsible for any loss or damage to the property or for any delay in delivery of the property or for any loss or damage to the property or for any delay in delivery of the property or for any loss or damage to the property or for any delay in delivery of the property.

NOTICE: Freight moving under this Bill of Lading is subject to the classifications and liability limitations in effect on the date of this Bill of Lading. This notice supercedes and negates any claim, alleged or asserted oral or written contract, promise, representation or declaration between the parties with respect to this freight, except to the extent of any written contract which establishes lawful contract charges and is signed by authorized representatives of both parties to the contract.

SHIPPER 

CARRIER



PER

PER

DATE 10-1-18

67 International Drive
Loudon NH, 03307

Ticket No: 325047
Date: 10/1/2018 12:10 PM
Phone: 6037830228
Fax: 6037830104

Customer: CYN20
CYN ENVIRONMENTAL SERVICES
8 PROGRESS DRIVE

Order No: 12028
Robbins Block
Chestnut Hill & Washington St.

Loads: 5
Miles:
Tons: 98.77

DOVER NH, 03820

Dover NH

Truck: RYDER01 Robert Ryder 01
Location: NH NEW HAMPSHIRE

Gross: 63,500 lb Scale 1 Out 12:09 PM
Tare: 28,340 lb Scale 1 In 12:02 PM
Net: 35,160 lb
17.58 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material \$

Delivery \$

Misc \$

Tax \$

Total \$

Signature:



MATERIAL	QTY	UNIT-\$	DELIVERY \$	MISC \$	TAX \$	TOTAL \$
FO02	17.58 tn					

SHIPPER NO.

CARRIER NO.

DATE:

FROM:
SHIPPER

SHIPPER Fulcrum Assoc
100-104 Washington St
Dover NH

VEHICLE
NUMBER

When transporting hazardous materials include the technical or chemical name for a substance (not otherwise specified) or general description of material with appropriate UN or NA number as defined in U.S. DOT Emergency Communication Standard HMT-101.02. Provide emergency response phone number in case of incident or accident in box above.

REMIT C.O.D. TO ADDRESS

COB

AMT: \$

C.O.D. FEE: \$

PREPAID COLLEGE

NOTE - Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

TOTAL CHARGES: \$

FREIGHT CHARGES

PREPAID	COLLECT
---------	---------

RECEIVED, subject to the classifications and liability provisions in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and conditions of contents of packages unknown, marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout the contract as meaning any person or corporation in possession of property under the contract) agrees to carry to its usual place of delivery at carrier's destination or on its route, otherwise to deliver to another carrier on the route to said destination, it is mutually agreed, as to each carrier of all or any of said property, over any or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the Bill of Lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the Bill of Lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

[illegible]

SHIPPER 

PER 

CARRIER

ASR

DATE 10-1-18

67 International Drive
Loudon NH, 03307

Ticket No: 325048
Date: 10/1/2018 12:13 PM
Phone: 6037830228
Fax: 6037830104

Customer: CYN20
CYN ENVIRONMENTAL SERVICES
8 PROGRESS DRIVE

Order No: 12028
Robbins Block
Chestnut Hill & Washington St.

Loads: 5
Miles:
Tons: 98.77

DOVER NH, 03820

Dover NH

Truck: CAVALLARO1 Cavallaro & Sons #1
Location: NH NEW HAMPSHIRE

Gross: 63,580 lb Scale 1 Out 12:11 PM
Tare: 28,160 lb Scale 1 In 12:06 PM
Net: 35,420 lb
17.71 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Material \$

Delivery \$

Misc \$

Tax \$

Total \$

Signature:



MATERIAL	QTY	UNIT-\$	DELIVERY \$	MISC \$	TAX \$	TOTAL \$
FO02	17.71 tn					

ORIGINAL BILL OF LADING

27466

ORIGINAL - NOT NEGOTIABLE

SHIPPER NO.

CARRIER: Fulcrum/SUR

CARRIER NO.

DATE:

TO:
CONSIGNEEFROM:
SHIPPERESMI
67 International Dr.
Londonderry, NHFulcrum Assoc
106-104 Washington St
Dover NHEMERGENCY
RESPONSE PHONE NO.VEHICLE
NUMBER

NO. SHIPPING UNITS	UNIT	KIND OF PACKAGING, DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS	WEIGHT (subject to correction)	RATE	CHARGES
1 Dump truck		Fuel oil contaminated soil Shut out 17.71 tons 10/1/18	~20 tons		

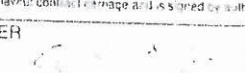
PRINT COD TO ADDRESS

NOTE - Where the risk is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.	This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.	Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without receipt on the consignor, the consignor shall sign the following statement: The carrier shall make delivery of this shipment without payment of freight and all other lawful charges.	COD FEE \$ _____ PREPAID COLLECT
\$ _____ per _____	Signature _____	(Signature of Consignor) _____	TOTAL CHARGES \$ FREIGHT CHARGES _____ PREPAID COLLECT

RECEIVED: Subject to the rules, terms and liability filed herewith in effect on the date of the issue of this Bill of Lading, the property described above is accepted for transportation by the carrier, and is to be carried as indicated above, and the carrier (the said carrier being understood throughout the contract as meaning any person or corporation in possession of property under the contract) agrees to carry to its usual place of delivery, if such destination is noted, otherwise to deliver to another carrier on the route to said destination, it is mutually agreed, as to each carrier of all or any of said property, over and for any part of said route to destination, and as to each party at any time interested in any said property, that every service to be performed hereunder shall be subject to the Bill of Lading terms and conditions in the governing classification on the date of shipment.

SHIPPER hereby certifies that he is familiar with all the Bill of Lading terms and conditions in the governing classification on the date of shipment.

NOTICE: The shipment under this Bill of Lading is subject to the regulations and liability filed herewith in effect on the date of this Bill of Lading. This notice supersedes and negates any charter, alleged or asserted oral or written contract, agreement, understanding or understanding between the parties with respect to this freight, except to the extent of any written contract which establishes lawful contract terms and is signed by authorized representatives of both parties to the contract.

SHIPPER: 	CARRIER: 
PER: _____	PER: _____
	DATE: 10-1-18

**EMERGENCY RESPONSE**

INSIDE MA 1-800-242-5818
 OUTSIDE MA 1-800-622-6365

Customer ID: FUL013

Invoice Number 238825
Invoice Date October 26, 2018
Terms Net 30
PO Number
Page 1 of 1
Job 208946-00-NH
 Dover NH - Tank Removal

BILL TO:

Fulcrum Associates
 5 Tech Circle
 Amherst, NH 03031

Job Robbins Block
Loc: 104 Washington St
 Dover NH

<u>Description</u>	<u>Date</u>	<u>Qty</u>	<u>Unit of Measure</u>	<u>Unit Price</u>	<u>Amount</u>
Disposal of Contaminated Soil	10/1/2018	98.77	TONS	46.00	4,543.42
** Totals for 10/1/2018					4,543.42
Sub - Consulting Services UST Closure Oversight	10/16/2018	1.00	LMPSUM	3,994.28	3,994.28
** Totals for 10/16/2018					3,994.28
Sub - Consulting Services Finalized UST Closure Report	10/19/2018	1.00	LMPSUM	786.31	786.31
** Totals for 10/19/2018					786.31

Invoice Total**\$9,324.01**

Please Remit Payment to: P.O. BOX 0119 STOUGHTON, MA 02072-0119
 TELEPHONE 781-341-1777 FAX 781-341-6246

All accounts will bear interest at 1.5% per month.

The purchaser agrees to pay all costs of collection, including attorney's fees.

**EMERGENCY RESPONSE**

INSIDE MA 1-800-242-5818

OUTSIDE MA 1-800-622-6365

Customer ID: FUL013**Invoice Number****Invoice Date****Terms****PO Number****Page****Job**

238633

September 24, 2018

Net 30

1 of 1

208946-00-NH

Dover NH - Tank Removal

BILL TO:

Fulcrum Associates
 5 Tech Circle
 Amherst, NH 03031

Job Robbins Block
Loc: 104 Washington St
 Dover NH

NOTE: PROGRESS BILLING

<u>Description</u>	<u>Date</u>	<u>Qty</u>	<u>Unit of Measure</u>	<u>Unit Price</u>	<u>Amount</u>
L/E/M: Tank Removal	9/6/2018	1.00	LS	2,400.00	2,400.00
** Totals for 9/6/2018					<u>2,400.00</u>

Invoice Total**\$2,400.00**

Please Remit Payment to: P.O. BOX 0119 STOUGHTON, MA 02072-0119
 TELEPHONE 781-341-1777 FAX 781-341-6246

All accounts will bear interest at 1.5% per month.

The purchaser agrees to pay all costs of collection, including attorney's fees.

**EMERGENCY RESPONSE**

INSIDE MA 1-800-242-5818
 OUTSIDE MA 1-800-622-6365

Customer ID: FUL013

Invoice Number 238750
Invoice Date October 10, 2018
Terms Net 30
PO Number
Page 1 of 1
Job 208946-00-NH
 Dover NH - Tank Removal

BILL TO:

Fulcrum Associates
 5 Tech Circle
 Amherst, NH 03031

Job Robbins Block
Loc: 104 Washington St
 Dover NH

<u>Description</u>	<u>Date</u>	<u>Qty</u>	<u>Unit of Measure</u>	<u>Unit Price</u>	<u>Amount</u>
Sub - Consulting Services UST Closure	10/10/2018	1.00	LS	3,447.70	3,447.70
** Totals for 10/10/2018					3,447.70

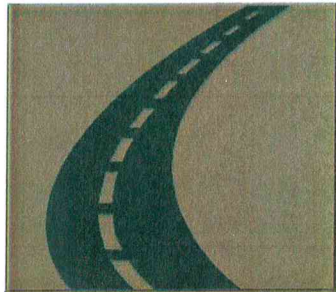
Invoice Total

\$3,447.70

Please Remit Payment to: P.O. BOX 0119 STOUGHTON, MA 02072-0119
 TELEPHONE 781-341-1777 FAX 781-341-6246

All accounts will bear interest at 1.5% per month.

The purchaser agrees to pay all costs of collection, including attorney's fees.



S.U.R. Construction, Inc.

233 Chestnut Hill Road
P.O. Box 720
Rochester, NH 03866-0720

Phone: (603) 332-4554

Fax: (603) 332-0351

www.surconstruction.com

S·U·R
SITES • UTILITIES • ROADS

September 12, 2018
Heath Dinsmore
Fulcrum
Off Site
104 Washington St.
Dover, NH

Proposal for removal and loading of UST on Chestnut St

Heath,

The following proposal is for the removal and loading of the underground storage tank found on Chestnut Street at approximately station 00+45 LT. Let me know if you have any questions.

Total = \$672.00/ LS

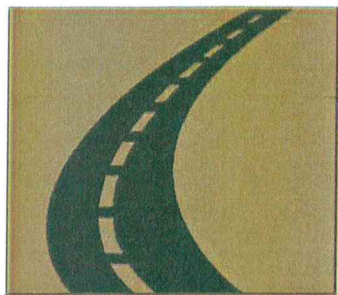
Sincerely,

Andrew LePage
Vice President



S.U.R. Construction, Inc.





S.U.R. Construction, Inc.

233 Chestnut Hill Road
P.O. Box 720
Rochester, NH 03866-0720

Phone: (603) 332-4554

Fax: (603) 332-0351

www.surconstruction.com

S·U·R
SITES • UTILITIES • ROADS

October 19, 2018
Heath Dinsmore
Fulcrum
Orpheum -Offsite
Dover, NH

Additional work for removal of contaminated material on Chestnut Street

Heath,

The following is for the additional work required for the contaminated soil at station 0+50 left on Chestnut Street. The work included excavation, loading, hauling to ESMI 98.77 tons and replacing the excavated material with 100 cubic yards of common fill.

Total = \$5901.00

Sincerely,

Andrew LePage
Vice President



S.U.R. Construction, Inc.





S.U.R. CONSTRUCTION, INC.
 P.O. Box 720
 Rochester, NH 03866
 (603) 332-4554

CUSTOMER'S ORDER NO.		PHONE	DATE
NAME		10/1/18	
ADDRESS		Fulcrum 104 Washington	
SOLD BY	CASH	C.O.D.	CHARGE
QTY.	DESCRIPTION		
1	EXEP 335	6 HRS	PRICE
1	930 LENSER	3 HRS	AMOUNT
1	FOREMAN	6 HRS	\$170/Hr \$1140.00
1	LABORER	6 HRS	\$45/Hr \$435.00
1	SUPERVISOR	6 HRS	\$75/Hr \$570.00
			\$276.00
			\$530.00
5	TRI-axle LBS		
	OF SUSPECT S/L		
	TO LONDON N.H.		
	4 HRS (car)		
	20 HRS @ \$89/Hr		\$1780.00
	two yds of concrete		\$10.70/yd \$1070.00
	FILL		
RECEIVED BY: <i>Randy L...</i>			TAX
TOTAL			\$5901.00

All claims and returned goods MUST be accompanied by this bill.

22625

Thank You

ESMI of N.H.

67 International Drive

Loudon NH, 03307

Ticket No: 325027

Date: 10/1/2018 10:09 AM

Phone: 6037830228

Fax: 6037830104

Customer: CYN20

CYN ENVIRONMENTAL SERVICES

8 PROGRESS DRIVE

DOVER NH, 03820

Order No: 12028

Robbins Block

Chestnut Hill & Washington St.

Dover

NH

Loads: 1

Miles:

Tons: 21.43

Truck: SUR #2

SUR Construction #2

Location: NH

NEW HAMPSHIRE

Weigh Master: ANGELA

Angela Holub

Gross: 71,760 lb MAN WT Out 10:08 AM

Tare: 28,900 lb Scale 1 In 10:00 AM

Net: 42,860 lb

21.43 tn

Remarks: Thank You For Your Business

Material \$

Delivery \$

Misc \$

Tax \$

Total \$

Signature:



MATERIAL

QTY

UNIT-\$

DELIVERY \$

MISC \$

TAX \$

TOTAL \$

FO02

21.43 tn

ESMI of N.H.

67 International Drive
Loudon NH, 03307

Ticket No: 325033
Date: 10/1/2018 10:37 AM
Phone: 6037830228
Fax: 6037830104

Customer: CYN20
CYN ENVIRONMENTAL SERVICES
8 PROGRESS DRIVE

Order No: 12028
Robbins Block
Chestnut Hill & Washington St.

Loads: 2
Miles:
Tons: 41.89

DOVER NH, 03820

Dover NH

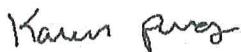
Truck: SUR7 SUR Contruction #7
Location: NH NEW HAMPSHIRE

Gross: 69,860 lb Scale 1 Out 10:37 AM
Tare: 28,940 lb Scale 1 In 10:26 AM
Net: 40,920 lb
20.46 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Signature:



Material \$
Delivery \$
Misc \$
Tax \$
Total \$

MATERIAL	QTY	UNIT-\$	DELIVERY \$	MISC \$	TAX \$	TOTAL \$
FO02	20.46 tn					

ESMI of N.H.

67 International Drive
Loudon NH, 03307

Ticket No: 325043
Date: 10/1/2018 11:14 AM
Phone: 6037830228
Fax: 6037830104

Customer: CYN20
CYN ENVIRONMENTAL SERVICES
8 PROGRESS DRIVE

Order No: 12028
Robbins Block
Chestnut Hill & Washington St.

Loads: 3
Miles:
Tons: 63.48

DOVER NH, 03820

Dover NH

Truck: TURGEON1 Brian Turgeon 1
Location: NH NEW HAMPSHIRE

Gross: 72,620 lb MAN WT Out 11:13 AM
Tare: 29,440 lb Scale 1 In 11:06 AM
Net: 43,180 lb
21.59 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Signature:



Material \$

Delivery \$

Misc \$

Tax \$

Total \$

MATERIAL	QTY	UNIT-\$	DELIVERY.\$	MISC \$	TAX \$	TOTAL \$
FO02	21.59 tn					

ESMI of N.H.

67 International Drive
Loudon NH, 03307

Ticket No: 325047
Date: 10/1/2018 12:10 PM
Phone: 6037830228
Fax: 6037830104

Customer: CYN20
CYN ENVIRONMENTAL SERVICES
8 PROGRESS DRIVE

Order No: 12028
Robbins Block
Chestnut Hill & Washington St.

Loads: 4
Miles:
Tons: 81.06

DOVER NH, 03820

Dover NH

Truck: RYDER01 Robert Ryder 01
Location: NH NEW HAMPSHIRE

Gross: 63,500 lb Scale 1 Out 12:09 PM
Tare: 28,340 lb Scale 1 In 12:02 PM
Net: 35,160 lb
17.58 tn

Weigh Master: ANGELA
Angela Holub

Remarks: Thank You For Your Business

Signature:



Material \$
Delivery \$
Misc \$
Tax \$
Total \$

MATERIAL	QTY	UNIT-\$	DELIVERY \$	MISC \$	TAX \$	TOTAL \$
FO02	17.58 tn					

ESMI of N.H.

67 International Drive
 Loudon NH, 03307

Ticket No: 325048
 Date: 10/1/2018 12:13 PM
 Phone: 6037830228
 Fax: 6037830104

Customer: CYN20	Order No: 12028	Loads: 5
CYN ENVIRONMENTAL SERVICES	Robbins Block	Miles:
8 PROGRESS DRIVE	Chestnut Hill & Washington St.	Tons: 98.77
DOVER NH, 03820	Dover NH	

Truck: CAVALLARO1	Cavallaro & Sons #1	Gross: 63,580 lb	Scale 1	Out 12:11 PM
Location: NH	NEW HAMPSHIRE	Tare: 28,160 lb	Scale 1	In 12:06 PM
Weigh Master: ANGELA		Net: 35,420 lb		
Angela Holub		17.71 tn		

Remarks: Thank You For Your Business

Signature:



Material \$

Delivery \$

Misc \$

Tax \$

Total \$

MATERIAL	QTY	UNIT-\$	DELIVERY \$	MISC \$	TAX \$	TOTAL \$
FO02	17.71 tn					



December 19, 2018

Dover City Council
City of Dover
288 Central Avenue
Dover, NH 03820

Re: MGM TV Channel Updates

Dear Members of the Council:

We are committed to keeping you and our customers informed of Xfinity TV changes and a writing to inform you MGM TV has terminated its contract with Comcast for distribution of MGM HD and Impact effective February 1, 2019.

As a result, we must remove this programming from our line-up and our on-demand library on January 31, 2019. We are also notifying our impacted customers of this change.

Please do not hesitate to contact me at 603-224-1871, ext. 202 should you have questions.

Very truly yours,

Bryan Christiansen

Bryan Christiansen, Sr. Manager
Government Affairs