BOND NUMBER:\_\_\_\_\_

#### **PAYMENT BOND**

#### BY THIS BOND, We,\_\_\_\_\_\_., as principal ("Contractor"), and \_\_\_\_

\_\_\_\_\_a surety company authorized to do business in the State of Florida ("Surety"), are bound to the City of Daytona Beach, a Florida municipal corporation, as obligee ("Owner"), in the sum of \$\_\_\_\_\_, for payment of which we bind ourselves, our heirs, personal representatives, successors, and assigns, jointly and severally.

#### THE CONDITION OF THIS BOND IS that if Contractor:

Promptly pays all claimants, as defined in F.S. § 255.05(1), supplying Contractor with labor, materials, 1. services and/or supplies, used directly or indirectly by Contractor in the prosecution of the work provided in the written contract between Contractor and Owner for >title, having an effective date of (the "Contract"), the Contract being made a part of this bond by reference, at the times and in the manner prescribed in the Contract; and

2. Pays Owner all losses, damages, expenses, costs, and attorney's fees, including appellate proceedings, that Owner sustains because of Contractor's default by under the contract;

Then this bond is void; otherwise, it remains in full force and effect.

Surety, for the value received, hereby stipulates and agrees that no change, extension of time, alteration, or addition to the terms of the contract or the work to be performed thereunder or the specifications accompanying the contract will in any way affect Surety's obligations on this bond, and Surety waives notice of any such change, extension of time, alteration, or addition.

This bond is subject to the provisions of F.S § 255.05, including F.S. § 255.05(7); and in case of conflict between this bond and F.S. § 255.05, the statutory provisions will govern.

DATED ON \_\_\_\_\_, 20 .

CONTRACTOR AS PRINCIPAL COMPANY: (Corporate Seal) [insert name here]

SURETY COMPANY: [insert name here]

(Corporate Seal)

Signature:	_
Name and Title:	_
Contractor Address:	_

Signature:	
Name and Title:	
Surety Address:	
-	

NOTE: CONTRACTOR WILL POST THIS BOND AT THE PROJECT WORK SITE AT ALL TIMES. CONTRACTOR WILL RECORD THIS BOND IN THE PUBLIC RECORDS OF VOLUSIA COUNTY. FLORIDA

#### END OF FORM

BOND NUMBER:

#### PERFORMANCE BOND

, as "Contractor" or "Principal," and

as "Surety," enter into and execute this Performance Bond and bind themselves in favor of the City of Daytona Beach, a Florida municipal corporation, as "Obligee," in the sum of \$ \_\_\_\_\_\_, being 100% of the Contract Price referenced below, or such greater amount as the Contract Price may be adjusted from time to time in accordance with the Contract between Contractor and Obligee referenced below ("the "Penal Sum").

#### WITNESSETH:

WHEREAS, Contractor has executed a contract with Obligee having an effective date of (the "Contract") for

(the "Project"); and

**WHEREAS**, the Contract establishes a contract price to be paid by Obligee to Contractor for performance of the Project, subject to terms and conditions, and provides for changes to the work to be performed and corresponding adjustments to the Contract Price; and

**WHEREAS**, the Contract requires Contractor to furnish a Performance Bond in form acceptable to Obligee.

**NOW THEREFORE**, Surety and Contractor, both jointly and severally, and for themselves, their heirs, administrators, executors, successors and assigns agree:

**1. CONTRACT INCORPORATED; SURETY AND CONTRACTOR BOUND FOR FULL PERFORMANCE.** The Contract is incorporated by reference and made a part of this Performance Bond. Surety and Contractor are bound for the full performance of the Contract including without exception all of the Contract Documents (as defined in the Contract) and all of their terms and conditions, both express and implied.

**2. OBLIGEE'S AFFIDAVIT OF CONTRACTOR DEFAULT.** If Obligee provides to Surety a written affidavit of Obligee stating that the Contractor is in default of the Contract, then upon delivery of such affidavit to Surety in the method for providing notices as set forth in <u>Paragraph 7</u>, Surety must promptly notify Obligee in writing which action Surety will take as provided in <u>Paragraph 3</u>.

**3.** SURETY'S OBLIGATION UPON DELIVERY OF OBLIGEE'S AFFIDAVIT OF CONTRACTOR'S DEFAULT. Upon the delivery of Obligee's affidavit as provided in <u>Paragraph 2</u>, Surety may promptly remedy the referenced breach or default or must, within 10 days thereafter proceed to take one of the following courses of action:

a. Surety may Complete Performance. Surety may complete performance of the Contract including correction of defective and nonconforming Work through Surety's own contractors or employees, subject to Obligee's right to approve or reject such contractors and employees. Obligee's right to approve will not be unreasonably withheld as to any contractor or employee who would have qualified to submit a responsive bid on the Contract and is not affiliated with Contractor as described in the Contract. During this performance by Surety, Obligee will pay Surety from Obligee's own funds only those sums as would have been due and payable to Contractor under the Contract as and when they would have been due and payable to Contractor in the absence of the breach or default not to exceed the amount of the remaining Contract balance less any sums due Obligee under the Contract. During this performance, Surety's payment bond must remain in full force and effect.

Page 1 of 3

Surety may tender a Completing Contractor acceptable to Obligee. In order to be effective, b. Surety's tender must include a written contract for fulfillment and completion of the Contract, executed by the Completing Contractor, to Obligee for Obligee's execution. Surety's tender is subject to Obligee's right to approve or reject the contractor; provided that Obligee's discretion to approve the Completing Contractor will not be unreasonably withheld as to any contractor who would have gualified to submit responsive bid on the Contract and is not affiliated with Contractor as described in the Contract. Obligee's discretion to approve the Completing Contractor, however, shall be in Obligee's sole subjective discretion. Upon execution by Obligee of the contract for fulfillment and completion of the Contract, the Completing Contractor must furnish to Obligee a performance bond and a separate payment bond, each in the form of those bonds previously furnished to Obligee for the Project by the Contractor. Each such bond must be in the Penal Sum of the full cost to complete the Contract. Obligee will pay the Completing Contractor from its own funds only those sums as would have been due and payable to Contractor under the Contract as and when they would have been due and payable to Contractor in the absence of the default, not to exceed the amount of the remaining Contract balance less any sums due Obligee under the Contract. To the extent that Obligee is obligated to pay the Completing Contractor sums which would not have then been due and payable to Contractor under the Contract (any sums in excess of the then remaining Contract balance less any sums due Obligee under the Contract), Surety must pay to Obligee the full amount of those sums at the time the Completing Contractor is tendered to the Obligee so that Obligee can utilize those sums in making timely payment to the Completing Contractor.

c. *Tender the Penal Sum to Obligee*. If Surety tenders the Penal Sum, Obligee will refund to Surety without interest any unused portion not spent by Obligee to, at Obligee's option: (i) procure and pay a completing contractor, plus the cost allowed under <u>Paragraph 4</u>, after completion of the contract for fulfillment and completion of the Contract and the expiration of any applicable warranties; or (ii) complete the Project using Obligee's own forces, plus the cost allowed under <u>Paragraph 4</u>, after completion of the Project.

d. Other Acts. Surety may take any other acts mutually agreed upon in writing by Obligee and Surety.

IT SHALL BE NO DEFENSE TO SURETY'S OBLIGATION TO UNDERTAKE ONE OF THE PRECEDING COURSES OF ACTION THAT CONTRACTOR CONTENDS THAT CONTRACTOR IS NOT IN BREACH OR DEFAULT OF THE CONTRACT, OR THAT THE NOTICE OF DEFAULT WAS DEFECTIVE, OR THAT CONTRACTOR HAS RAISED ANY OTHER CLAIM OF DEFENSE OR OFFSET, PROVIDED ONLY THAT SURETY HAS RECEIVED THE AFFIDAVIT OF THE OBLIGEE AS SPECIFIED IN <u>PARAGRAPH 2</u>.

4. SURETY'S ADDITIONAL OBLIGATIONS. In addition to those duties set forth herein above, Surety must promptly pay Obligee (i) all losses, costs and expenses resulting from Contractor's breach(es) or default(s), including, without limitation, fees, expenses and costs for architects, engineers, consultants, testing, surveying and attorneys, plus (ii) liquidated or actual damages, whichever may be provided for in the contract, for lost use of the Project, plus (iii) re-procurement costs and fees and expenses, plus (iv) costs incurred at the direction, request, or as a result of the acts or omissions of Surety; provided that in no event shall Surety's liability exceed the Penal Sum.

**5. SURETY'S WAIVER OF NOTICE**. Surety waives notice of any modifications to the Contract, including changes in the Contract Time, the Contract Price, the amount of liquidated damages, and the scope of the Project or the Work to be performed.

**6. NO THIRD PARTY BENEFICIARIES.** Surety provides this Performance Bond for the sole and exclusive benefit of Obligee and, if applicable, any dual obligee designated by attached rider, together with their heirs, administrators, executors, successors and assigns. No other party, person or entity has any rights again Surety.

**7. METHOD OF NOTICE.** All notices to Surety, Contractor, or Obligee must be given by Certified Mail, Return Receipt Requested, or by overnight courier, to the address set forth for each party below:

SURETY:	OBLIGEE:	City Manager The City of Daytona Beach
Name:		301 S. Ridgewood Avenue
Attention:		Daytona Beach, FL 32114
Street:		•
City, State, Zip	With/copy to:	City Attorney
CONTRACTOR:		301 S. Ridgewood Avenue Daytona Beach, FL 32114
Name:		
Attention:		
Street:		
City, State, Zip:		

8. STATUTE OF LIMITATIONS. Any action hereon may be instituted so long as the applicable statute of limitations governing the Contract (including any warranty period) has not run or expired or within three years following Final Completion of the Contract (including any warranty period) and acceptance of the Work performed under the Contract by Obligee, whichever is longer.

**9. RECITALS.** The recitals contained in this Performance Bond are incorporated by reference herein and are expressly made a part of this Performance Bond.

**10. GOVERNING LAW.** This Performance Bond shall be governed by, and construed in accordance with the laws of the State of Florida without regard to its conflict of laws provisions.

**11. VENUE.** In the event any legal action shall be filed upon this Performance Bond, venue shall lie exclusively in the Circuit Court for Volusia County, Florida. DATED ON \_\_\_\_\_\_, 20\_\_\_\_.

CONTRACTOR AS PRINCIPAL COMPANY: (Corporate Seal) [insert name here] SURETY COMPANY: [insert name here]

(Corporate Seal)

Name and Title: \_\_\_\_\_

Signature: \_\_\_\_\_

Name and Title:

END OF DOCUMENT

#### SECTION ADDED IN ITS ENTIRETYAD7

#### SECTION 01354

#### LEAD PAINT REMOVAL AND DISPOSAL

#### PART 1 GENERAL

#### 1.01 SUMMARY

A. Section includes: Procedures required when encountering lead painted surfaces at the Work site. Lead based paint and coatings were discovered in certain demolition items, particularly equipment at the facility. No Asbestos was found. See attachments 1 and 2 for further details of the Lead paint and Asbestos Survey.

#### 1.02 REFERENCES

- A. Lead Paint and Asbestos Survey (Attachment 1 and 2)
- B. Occupational Safety and Health Administration (OSHA).
- C. United States Code of Federal Regulation (CFR):
  - 1. Title 29 Labor:
    - a. 1926.62 Lead.
  - 2. Title 40 Protection of Environment.
    - a. 261 Identification and Listing Of Hazardous Waste.

#### 1.03 SUBMITTALS

- A. Submit laboratory reports, hazardous material removal plans, and certifications.
- B. Submit the following work plan:
  - 1. Removal and Legal Disposal of Lead Paint in the work area.
    - a. Work plan shall include, but not be limited, to the following:
      - 1) Schedule of work.
      - 2) Security measures for work and disposal area.
      - 3) Staff training: Contractor shall provide at least one competent person who is capable of identifying lead paint at the job site for the entire duration and disposal operation.
      - 4) Trenching and removal of pipe procedure.

#### 1.04 LEAD PAINT REMOVAL AND DISPOSAL

- A. Existing paint on the surfaces that may contain lead in concentrations which will require implementation of hazardous material compliance procedures as legislated by the following:
  - 1. CFR, Title 29 and Title 40.
- B. Submit a plan for the removal, containment, and disposal of lead-based paint and associated debris.
  - 1. Submit 10 copies of plan.

- C. Prior to beginning work associated with the removal, containment, and disposal of lead-based paints, prepare and submit to the Engineer for his review 6 copies of the following:
  - 1. Listing of lead paint removal equipment to be used.
  - 2. Outline of procedures to be used to remove lead paint.
  - 3. Data and specifications describing chemical stripping materials to be used.
  - 4. Data and specifications describing abrasive blast materials and grit size to be used.
  - 5. Plan describing lead paint removal, hazardous waste debris containment, and hazardous waste disposal methods.
  - 6. Safety plan, consisting of a written plan of action covering operational requirements for safe removal of lead paint, safe handling and containment of waste and debris generated by the operation, and safe disposal of hazardous waste and non-hazardous waste materials, complying with the most stringent requirements of the following:
    - a. Equipment and material manufacturer's safety sheets.
    - b. 29 CFR 1926.62.
- D. Carry out lead paint removal, containment, and disposal work in accordance with the following SSPC guidelines:
  - 1. SSPC-Guide 6.
    - a. Open Abrasive Blast Cleaning with Expendable Abrasive.
    - b. Open Abrasive Blast Cleaning with Recyclable Abrasive.
    - c. Closed Abrasive Blast Cleaning with Recyclable Abrasive.
    - d. Chemical Stripping.
  - 2. SSPC-Guide 7.
- E. Assume responsibility for the proper utilization of the paint removal method selected. When abrasive blast cleaning is selected to remove lead-based paint, comply with all applicable federal, state, and local air quality, pollution, and environmental control regulations for blast cleaning. When chemical stripping is selected to remove the lead based paint, adhere to the chemical manufacturer's recommendations for the application of the product, the removal of the paint, and the containment of the debris.
- F. Lead paint removal work shall be performed by a Contractor having prior experience in the removal method selected and shall provide at least 5 references of similar projects completed, 3 of which must have been completed within the past 12 months, documenting his experience.
- G. Utilize a minimum of Class 3 containment and ventilation system as described in SSPC-Guide 6 during lead paint removal and containment procedures as required for the conditions.
- H. Do not leave spent abrasive blast material, chemical stripping material, or lead paint debris uncontained on the project site overnight.
- I. Test each container of paint debris, spent blast cleaning abrasive, chemical stripping debris, and other waste material generated by the operation to determine the waste material hazardous waste classification.

- J. Assume responsibility for the disposal of lead paint waste and associated waste generated by the removal of the lead paint and the preparation of the surfaces for recoating. Dispose in accordance with applicable federal, state, and local requirements and regulations.
- K. Accurately complete the Uniform Hazardous Waste Manifest included at the end of SSPC-Guide 7. Indicate on the Manifest that the Owner is the hazardous waste generator, and obtain the Owner's Environmental Protection Agency identification number for use in completing the Manifest.

#### PART 2 PRODUCTS

Not used.

#### PART 3 EXECUTION

Not used.

END OF SECTION

<sup>AD7</sup> Addendum No. 7 – May 8, 2020



#### LEAD BASED PAINT RENOVATION SURVEY

Waste Water Treatment Plant Sludge Press/ Dewatering Building 3651 LPGA Boulevard Daytona Beach, Volusia County, Florida

UES PROJECT NO. 0940.2000089.0000 UES REPORT NO. 1760160 REPORT DATE: APRIL 1, 2020

PREPARED FOR:

CITY OF DAYTONA BEACH REG WW TREAT 3651 LPGA BOULEVARD DAYTONA BEACH, FL 32124 ATTENTION: MR. ERIC SMITH, UTILITIES DIVISION

PREPARED BY:

UNIVERSAL ENGINEERING SCIENCES, INC. 5561 FLORIDA MINING BOULEVARD JACKSONVILLE, FLORIDA 32257 (904) 296-0757 COA #00000549

CONDUCTED AND PREPARED BY:

ans E.

JAMES E. BLYTHE, CIAQP SENIOR PROJECT MANAGER LEAD INSPECTOR

Consultants in: Geotechnical Engineering • Environmental Sciences • Construction Materials Testing • Threshold Inspection Offices in: Orlando • Daytona Beach • Fort Myers • Gainesville • Jacksonville • Ocala • Palm Coast • Rockledge • Sarasota • Miami St. Augustine • Panama Citv • Fort Pierce • Leesburg • Tampa • West Palm Beach • Atlanta. GA

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#### 1.0 INTRODUCTION

In this report, Universal Engineering Sciences, Inc. (UES) presents the results of the lead based paint (LBP) and lead coatings evaluation performed on April 1, 2020 of the equipment and piping within the Sludge Press / Dewatering Building building. This service was authorized by the signed Purchase Order 0000018091.

#### 1.1 GENERAL

Lead Based Paint (LBP), as defined by the United States Department of Housing and Urban Development (HUD), is dried paint film with a lead concentration equal to or greater than 1.0 mg/cm<sup>2</sup> (milligrams of lead per square centimeter) when measured by a portable X-Ray Fluorescence (XRF) Lead Paint Analyzer, or a lead concentration equal to or greater than 5,000 parts per million (ppm) or equal to or greater than 0.5 percent by weight when analyzed by an American Industrial Hygiene Association (AIHA) laboratory participating in the Environmental Lead Laboratory Accreditation Program (ELLAP).

#### 1.2 PURPOSE AND SCOPE

The purpose of this study was to perform an evaluation of the above referenced equipment and piping for the presence of LBP or any lead containing coatings. The activities and procedures used to accomplish this task are as follows:

- 1. Review available information concerning equipment.
- 2. Walk-through and observe accessible areas within the building to identify, locate, and assess suspect LBP.
- 3. Measure suspect LBP with a portable XRF Lead Paint Analyzer on equipment and piping.
- 4. Due to the size, shape and/or location of some components, XRF readings of these component coatings may not be possible. Typically, collections of paint chip samples from these component coatings are obtained. Analysis of any collected paint chip samples are performed by an AIHA/ELLAP accredited laboratory using Flame Atomic Absorption (FAA) Environmental Protection Agency (EPA) method SW-846, 3<sup>rd</sup> edition, 7420 for the presence of lead. However, all of the assessable component coatings were able to be tested by the portable XRF Lead Paint Analyzer. Therefore, no laboratory testing was conducted during this LBP evaluation.
- 5. Prepare and submit a report of our findings.

Complete destructive observation and sampling procedures were not generally used during our evaluation of the piping and equipment. Inaccessible areas within the building, such as inside partitions, inside crawl-spaces, inside other sealed areas and behind architectural details are beyond the scope of this study. The scope of our investigation did not include an evaluation of components on the roof, fixtures, equipment, or stored materials.

#### 1.3 INSPECTION PROCEDURES

The lead evaluation was performed on April 1, 2020 by UES's inspector, Mr. James Blythe. A portable Radiation Monitoring Devices, Inc. (RMD) LPA-1A XRF analyzer was used to analyze designated building components for the presence of lead. Mr. Blythe is certified by RMD to operate the LPA-1A Analyzer. The UES inspector's certifications are presented in *Appendix B*.

#### 2.0 <u>X-RAY FLUORESCENCE (XRF) TESTING</u>

#### 2.1 XRF SPECIFICATION AND TESTING PROTOCOL

The RMD LPA-1A XRF Analyzer method of measurement is based on spectrometric analysis of lead K-shell XRF within a controlled depth of interrogation. K-shell measurements of lead in paint are the EPA/HUD's preferred method of XRF measurement. The K-Shell line (the higher energy emission) is normally used for paint analysis because it measures lead in all layers of paint films, including those layers nearest the substrate where higher lead levels are often found. K-shell X-rays can penetrate multiple layers of paint and/or various other coatings without being affected by the thickness and composition of the layers. The RMD LPA-1 XRF Analyzer uses a controlled depth concept which restricts the penetration of the energetic K-shell X-rays into the substrate so that the analyzer will not locate objects deep in a wall or component such as lead pipes. The RMD LPA-1 XRF Analyzer distinguishes the lead X-ray from interfering X-ray radiation from other metals. The RMD LPA-1 XRF Analyzer calculates and then displays the specific lead content as milligrams per square centimeter (mg/cm<sup>2</sup>) of surface area.

The portable RMD LPA-1 XRF Analyzer was operated in general accordance with the manufacturer's specifications. The testing of the selected areas was performed in general conformance with the United States Department of Housing and Urban Development Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing, (HUD Guidelines) dated June 1995. The sampling was limited to the components expected to be disturbed by any planned renovation and/or demolition.

#### 2.2 XRF CALIBRATIONS

The EPA/HUD protocol requires calibration checks on the portable XRF analyzer. The calibration checks are performed at the beginning of the inspection, and/or every four hours, and at the conclusion of the inspection. Calibration checks were performed in order to determine if the instrument was operating properly. Three calibration test measurements lasting a minimum of 32 seconds per measurement are collected on a selected National Institute of Standards and Technology (NIST) lead standard. The average of the three readings are recorded and compared to the known value of the standard provided by the manufacturer. All calibration checks for the portable RMD LPA-1A XRF Analyzer (Serial No. 1972) were within the manufacturer's parameters. Refer to *Appendix A* for calibration documentation.

#### 2.3 XRF OPERATIONS

The portable RMD LPA-1A XRF Analyzer was operated utilizing the "Quick Mode" (95% confidence) sampling mode with an "action" level of 1.0 mg/cm<sup>2</sup> as described in the EPA/HUD Guidelines. Each XRF result (K-Shell reading) was categorized as negative or positive. XRF readings equal to or greater than 1.0 mg/cm<sup>2</sup> are classified as positive. XRF readings less than 1.0 mg/cm<sup>2</sup> are classified as negative as described in the EPA/HUD Guidelines.

#### 3.0 FINDINGS

A total of seventeen (17) XRF readings, including calibrations, were performed. Refer to the XRF field forms in *Appendix A* for information pertaining to the locations of the XRF readings.

#### 3.1 "POSITIVE" XRF READINGS

Five of the XRF readings of component coatings, from piping and equipment, tested had XRF readings equal to or greater than the "positive" classification of 1.0 mg/cm<sup>2</sup>. Positive measurements are shown in the table below.

Reading Number	Room Number/Name	Substrate	Color	Component	XRF Reading	Units	Classification (Pos,Neg)
4	1 <sup>st</sup> Fl Pump	Metal	Grey	Pump	1.0	mg/cm <sup>2</sup>	Positive
5	1 <sup>st</sup> Fl Pump Pad	Concrete	Grey	Pad	1.0	mg/cm <sup>2</sup>	Positive
6	1 <sup>st</sup> Fl Waste Piping (8")	Metal	Brown	Piping	1.0	mg/cm <sup>2</sup>	Positive
7	1 <sup>st</sup> Fl Waste Valve	Metal	Brown	Valve	1.0	mg/cm <sup>2</sup>	Positive
11	2 <sup>nd</sup> Fl Re-Use Piping	Metal	Grey	Piping	1.0	mg/cm <sup>2</sup>	Positive

A summary of the XRF readings is presented in *Appendix A*.

## 3.2 "NEGATIVE" XRF READINGS IN THE RANGE OF 0.1 MG/CM<sup>2</sup> TO 0.9 MG/CM<sup>2</sup>

None of the component coatings tested had XRF readings in the "negative" range of 0.1 mg/cm<sup>2</sup> to 0.9 mg/cm<sup>2</sup>, which is below the HUD "positive" standard of 1.0 mg/cm<sup>2</sup>. A summary of this XRF readings are presented in *Appendix A*.

All of the component coatings had XRF readings below the portable XRF detection limit for lead.

#### 4.0 LABORATORY ANALYSIS (PAINT CHIP SAMPLES)

Every assessable component coating was able to be tested by the portable XRF Lead Paint Analyzer. Therefore, no laboratory testing was conducted during this survey.

#### 5.0 <u>SUMMARY</u>

Inspection of the equipment and piping indicated that five (5) of the coatings had XRF readings equal to or greater than the "positive" classification of 1.0 mg/cm<sup>2</sup>. None of the component coatings tested had a XRF readings in the "negative" range of 0.1 mg/cm<sup>2</sup> to 0.9 mg/cm<sup>2</sup>. All of the other component coatings had XRF readings below the portable XRF detection limit for lead.

#### 6.0 **REGULATORY INFORMATION**

LBP activities are governed by various regulations and guidelines. The regulations and guidelines are focused on the protection of building occupants, protection of the environment, disposal procedures, and worker protection.

The disturbance of LBP coatings is regulated by the Occupational Safety and Health Administration (OSHA), which has noted that the HUD LBP definition may not be applicable to regulations. The OSHA regulation does not define lead content of the coating, but instead, regulates the disturbance of the materials with any lead content.

The demolition of buildings is regulated under the National Emissions Standards for Hazardous Air Pollutants (NESHAP) statue for general dust control. Specifications for the proper work practices, controls and disposal should be developed to document compliance with all applicable regulations.

Specifications for the proper work practices, controls and disposal should be developed to document compliance with all applicable regulations. Those components/colors not tested, or in locations not inventoried in this report, should be tested for lead content prior to any disturbance (repair, renovation, abatement, or demolition) that may cause airborne release of lead. Components/colors that may be identified to contain the presence of lead should not be disturbed in any uncontrolled manner, such as during

repair, renovation or demolition. Any disturbance of these materials should only be done by properly trained personnel in a controlled and documented manner.

The disposal of commercial waste materials containing lead from renovation, abatement, and/or demolition is regulated by the Resource Conservation and Recovery Act (RCRA). RCRA requires a waste toxicity characteristic on the waste by using Toxicity Characteristic (TC) Leaching Procedure (TCLP) (40 CFR 261.24). The TCLP extract is analyzed for lead (or other constituents) to determine if it is above or below the allowable TC regulatory threshold, which for lead is 5 parts per million (ppm) (milligrams/liter).

The Florida Department of Environmental Protection (FDEP) issued Memorandum # SWM-21.36 on February 13, 2002 regarding Management of Lead-Based Paint Debris. This FDEP memo states the following:

- This memo is intended to give counties guidance on the management of leadbased paint (LBP) debris. LBP debris includes lead-based paint building components plus chips, dust, contaminated soils and sludges generated from lead abatement projects.
- The EPA's Office of Solid Waste issued a memo on July 31, 2000 clarifying that LBP debris from residences, whether generated by the homeowner or by contractors, is considered "household waste" and is thus exempt from regulation as hazardous waste under the Resource Conservation and Recovery Act (RCRA). As such, this material can be disposed of as household waste in a Municipal Solid Waste (MSW) landfill or Waste-to-Energy facility, and is exempt from hazardous waste testing requirements. This memo also includes several suggested for the proper handling and disposal of LBP debris.
- The Department believes that designing a system that expedites the LBP debris remediation in a cost effective matter, removes the exposure risk that LBP poses to human health, and gets this material into a proper and regulated management system that is protective of the environment is a sound approach that offers more protection and less process. The Department concurs with the EPA's interpretation that LBP debris from a residence (including single family homes, apartment buildings, public housing, and military barracks) is "household waste" and is thus not subject to hazardous waste regulations. LBP debris generated from a commercial or industrial source is not entitled to this same exemption.
- It is the Department's experience that demolition debris which includes wood, concrete, or metal painted with lead based paint will generally not fail a Toxicity Characteristic Leaching Procedure (TCLP) test and so will not be regulated as a hazardous waste. Because of this, the Department will not expect generators of large pieces of LBP debris to characterize the waste stream through testing prior to disposal. Large sized pieces created from demolition jobs should be stored in

containers, preferably covered, until ready for disposal in a Class I or III landfill or a C&D disposal facility, provided that the owner or operator is willing to accept them. All demolition contractors and others dealing with LBP debris should check with the facility owner where they intend to dispose of this material.

- Generators of chips, dust, contaminated soils and sludges from commercial or industrial sources which may be contaminated with LBP continue to be responsible for the proper characterization of the waste stream prior to disposal. Such materials generated from renovation or remodeling jobs that can be vacuumed, swept up, or otherwise easily collected should be subjected to the TCLP test. If the materials are determined to be hazardous, they must be managed accordingly. If they are not hazardous, the materials should be placed into plastic bags or similar containers and taken to a class I landfill for proper disposal.
- Dust, paint chips and other small LBP materials from households are not regulated as hazardous waste. Because this material can be "hazardous in nature" even though it may not be regulated as a hazardous waste, the Department does not consider it to be construction and demolition debris, and thus it cannot be disposed of at a Class III landfill or C&D disposal facility. These materials should be placed into plastic bags or similar containers and taken to a Class I landfill for disposal.
- This memo addresses only the disposal aspects of LBP debris. The reader should be aware that other aspects of LBP abatement and management may be regulated by other entities. For example, EPA and HUD have issued health and safety management practices for the handling of this material, which recommend the use of gloves, dust masks, respirators when appropriate, and other Personal Protection Equipment.

Therefore, it has been our past experience that the FDEP and OSHA allows components with lead containing coatings to remain in-place during general demolition provided that wet techniques and/or other engineering controls are employed during the process. Further, components that have lead containing coatings and debris mixed with lead containing coatings cannot be recycled and must be disposed in an appropriate landfill. With respect to lead related tasks such as any manual demolition of structures, manual scraping, manual sanding, heat gun applications, and power tool cleaning with dust collection systems, OSHA requires employee protective measures until the employee performs an employee exposure assessment and documents that the employee performing any of the lead related tasks is not exposed above the Permissible Exposure Limit (PEL) of 50 micrograms of lead per cubic meter of air ( $\mu$ g/m<sup>3</sup>) averaged over an 8-hour period. UES recommends employee exposure monitoring during any lead related tasks.

The EPA regulations are as follows:

#### <u>Residential Lead Based Paint Hazard Reduction Act of 1992, Public Law 102-550: Title X</u> of the Housing & Community Development Act of 1992

Deals with training requirements for managing and procedures for evaluating the risks of identified lead based paint.

#### 40 CFR 745 - Subpart L - Lead-Based Paint Activities

Includes a "Model Accreditation Plan" outlining the training and certification program applicable to personnel performing lead-based paint activities.

#### <u>40 CFR 745 - Subpart F - Disclosure of Known Lead-Based Paint and/or Lead-Based</u> Paint Hazards Upon Sale or Lease of Residential Property

Requires disclosure and an allowance for gathering of information concerning the presence or potential of lead-based paint hazards during a residential property sale.

#### Resource Conservation & Recovery Act (RCRA)

Deals with the waste and disposal requirements associated with lead based paint materials.

The OSHA regulations are as follows:

#### 29 CFR 1926.62, Lead Exposure in Construction: Interim Final Rule

Deals with the potential exposure to lead based paint materials to which construction workers may be subjected.

#### 29 CFR 1910.134: Use of Respirators

The OSHA Respiratory Protection Rule defines the program and requirements as to when personnel are allowed to wear respirators, maintenance of respirators, etc.

In general, OSHA coverage extends to all private sector employer and employees. Those not covered under the standard typically include self-employed persons and federal, state and local municipal employees.

The Office of Public & Indian Housing, Department of Housing & Urban Development Regulation are as follows:

#### Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (1995)

Deals with requirements for testing and managing the potential for lead based paint exposure in public housing, primarily focused to the safety of children.

24 CFR 35 - Subpart H - Disclosure of Known Lead-Based Paint and/or Lead-Based Paint Hazards Upon Sale or Lease of Residential Property

Requires disclosure and an allowance for gathering of information concerning the presence or potential of lead-based paint hazards during a residential property sale.

#### 7.0 CONTROLLING AGENCIES

The Controlling Agency for the coordination of projects involving NESHAP renovation and demolition regulations for Volusia County is the Central District Department Of Environmental Protection, 3319 Maguire Boulevard, Suite 232, Orlando Florida 32803. The telephone number is (407) 897-4100.

The Federal controlling agency is EPA Region 4, Sam Nunn Atlanta Federal Building, 61 Forsyth Street, Atlanta, Georgia 30303, (404) 347-4727.

#### 8.0 CONDITIONS AND LIMITATIONS

A representative of Universal Engineering Sciences, Inc. performed the lead evaluation on April 1, 2020. This evaluation is applicable for the time that the inspection was conducted. UES offers no warranty, express or implied. Component surface coatings that were not identified during the evaluation by the UES's inspector should be tested for lead before any disturbance to the components (such as repair, renovation, or demolition). The disturbance of these component coatings may be regulated by OSHA. Inaccessible areas within the building, such as inside partitions, inside crawl-spaces, inside other sealed areas and behind architectural details are beyond the scope of this study. The scope of our investigation did not include an evaluation of components on the roof, fixtures, equipment or stored materials. This report is not intended for compliance with the Environmental Protection Agency (EPA) 40 Code of Federal Regulations (CFR) part 745.

# Appendix A

## **XRF** Field Forms

Addendum 7 Attachments ITR 20403 May 8 2020

#### Universal Engineering Sciences, Inc, 5561 Florida Mining Boulevard, Jacksonville, Florida (904) 296-0757 Fax: (904)-296-0748 XRF LEAD-BASED PAINT INSPECTION FORM

Unit #	XRF Report No.	1760069		Building	-	Dewatering Building Pag		0	f <u>1</u>
Project I		Treatment Pl	ant		Location		F Serial N		MD – 1972
Notes/C	omments:			Inspecto	or Name	Jim Blythe Sig	nature	JEB	
Reading Number	Room Number/Name	Substrate	Color	Paint Condition	Component	Test Location Left,Right,Center – Top,Middle,Bottom	XRF Reading	Units	Classification (Pos,Neg)
1	Equipment Test				Test Block		1.0	mg/cm <sup>2</sup>	Test OK
2	1st Fl-Waste Piping	Metal	Brown	Ι	Piping	Center. Middle	-0.1	mg/cm <sup>2</sup>	Negative
3	1st Fl Pump 2 Housing	Metal	Red	Ι	Pump	Center, Middle	-0.1	mg/cm <sup>2</sup>	Negative
4	1 <sup>st</sup> Fl Pump	Metal	Grey	Ι	Pump	Left, Middle	1.0	mg/cm <sup>2</sup>	Positive
5	1 <sup>st</sup> Fl Pump Pad	Concrete	Grey	Ι	Pad	Left, Middle	1.0	mg/cm <sup>2</sup>	Positive
6	1 <sup>st</sup> Fl Waste Piping (8")	Metal	Brown	Ι	Piping	Center. Middle	1.0	mg/cm <sup>2</sup>	Positive
7	1 <sup>st</sup> Fl Waste Valve	Metal	Brown		Valve	Center, Middle	1.0	mg/cm <sup>2</sup>	Positive
8	1st Fl Waste Piping (12")	Metal	Brown	Ι	Piping	Center. Middle	-0.1	mg/cm <sup>2</sup>	Negative
9	1 <sup>st</sup> Fl Non-Potable-	Metal	Grey	Ι	Piping	Center. Middle	-0.1	mg/cm <sup>2</sup>	Negative
10	1 <sup>st</sup> Fl Odor Control Duct	Fiberglass	White	Ι	Duct	Right, Middle	-0.1	mg/cm <sup>2</sup>	Negative
11	2 <sup>nd</sup> Fl Re-Use Piping	Metal	Grey	Ι	Piping	Center. Middle	1.0	mg/cm <sup>2</sup>	Positive
12	2 <sup>nd</sup> Fl Re-Use Valve	Metal	Red		Valve	Center, Middle	-0.1	mg/cm <sup>2</sup>	Negative
13	2 <sup>nd</sup> Fl Electric Room	Drywall	White	Ι	Wall	Right, Bottom	-0.2	mg/cm <sup>2</sup>	Negative
14	Outside-Motor Housing	Fiberglass	Green	Ι	Equipment	Center, Middle	-0.4	mg/cm <sup>2</sup>	Negative
15	Outside Motor Frame	Metal	Green	Ι	Equipment	Center, Middle	-0.1	mg/cm <sup>2</sup>	Negative
16	Odor Control Scrubber Tank - Outside	Fiberglass	White	Ι	Scrubber Tank	Left, Bottom	-0.2	mg/cm <sup>2</sup>	Negative
17	Equipment Test				Test Block		1.0	mg/cm <sup>2</sup>	Test OK
				I = Intact	F = Fair, P = Po	Dor		·	



UNIVERSAL ENGINEERING SCIENCES, INC.

# Appendix B

## Lead Site Plan

Addendum 7 Attachments ITR 20403 May 8 2020

# SITE LOCATION PLAN pga Blvd SITE Google Earth

#### DEWATERING BUILDING 3651 LPGA BOULEVARD DAYTONA BEACH, FLORIDA

UNIVERSAL ENGINEERING SCIENCES	Site Location Plan	FOR : City of Daytona Beach		
	Sludge Press/Dewatering Building Daytona Beach, FL, FL	DRAWN BY : JB	DATE : 4/1/20	
		CHECKED BY : JB	DATE : 4/1/20	
	G Site Location Map	SCALE : Not To Scale	FIGURE: 1	
		PROJ NO: 0940-20000089.0000		

# Appendix C

Photographs

Addendum 7 Attachments ITR 20403 May 8 2020



1. View of waste piping - Sample 2 - (Brown Paint)



2. View of Pump 2 – Sample 3 – (Red Paint)





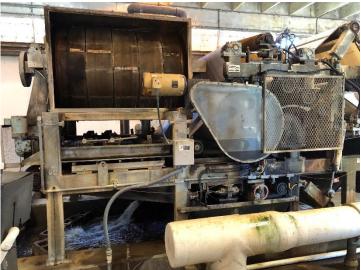
3. View of Pump and concrete pad– Sample 4 & 5 – 4. View of waste piping and valve – Samples 6 & 7 (Grey Paint)

REFERENCE: SITE PHOTOGRAPHS UNIVERSAL ENGINEERING SCIENCES PHOTO DATE: April1, 2020





5. View of non-potable - Sample 9 - (Grey Paint)



6. View fiberglass duct - Sample 10 - (White Paint)



7. View of reuse pipe- Sample 11- (Grey Paint)



8. View of reuse valve - Samples 12- (Red)

REFERENCE: SITE PHOTOGRAPHS UNIVERSAL ENGINEERING SCIENCES PHOTO DATE: April1, 2020





9. View of electric room wall – Sample 13 (White Paint)



10. View of outside housing and frame– Samples 14& 15 – (Green Paint)



11. View of outside scrubber tank– Sample 16– (White Paint)

REFERENCE: SITE PHOTOGRAPHS UNIVERSAL ENGINEERING SCIENCES PHOTO DATE: April1, 2020	UNIVERSAL ENGINEERING SCIENCES, INC. 5561 FLORIDA MINING BOULEVARD SOUTH JACKSONVILLE, FLORIDA 32257 (904) 296-0757		
		<u>SITE PHOTOGRAPHS</u> Dewatering Building Freatment Plant - 3651 LPGA Boule aytona Beach, Volusia County, Florid	
	DRAWN: JEB	DATE: April 1, 2020	SCALE: N.T.S.
		PROJECT NO. 0940.2000089.0000 Addendum 7 Attachments ITB 20403 Ma	PHOTOS 9 – 11 y 8, 2020

# Appendix D

## **UES Inspector Certification**

Addendum 7 Attachments ITR 20403 May 8 2020



This is to certify that

James E. Blythe of Law Engineering and Environmental Services, Inc.

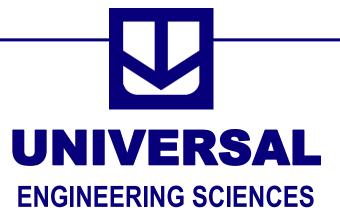
on the 13th day of Sept. 1996 successfully completed the factory training for

RMD's LPA-1 Lead Paint Inspection System

including, but not limited to, the topics of Radiation Safety and the Proper Use of the Instrument.

Jacob Paster, Vice-President of RMD 44 Hunt St., Watertown, Massachusetts

Page 28 of 84



#### ASBESTOS-CONTAINING MATERIALS SURVEY

Conducted on

WASTE WATER TREATMENT PLANT SLUDGE PRESS/ DEWATERING BUILDING 3651 LPGA BOULEVARD DAYTONA BEACH, VOLUSIA COUNTY, FLORIDA

UES PROJECT NO. 0940.2000089.0000 UES REPORT NO. 1760160 REPORT DATE: APRIL 1, 2020

Prepared for:

CITY OF DAYTONA BEACH REG WW TREAT

3651 LPGA BOULEVARD DAYTONA BEACH, FL 32124 ATTENTION: MR. ERIC SMITH, UTILITIES DIVISION

Prepared by:

Universal Engineering Sciences, Inc. 5561 Florida Mining Boulevard Jacksonville, Florida 32257 (904) 296-0757 www.UniversalEngineering.com

> Survey Date: April 1, 2020 Report Date: April 6, 2020

Consultants in: Geotechnical Engineering • Environmental Sciences • Construction Materials Testing • Threshold Inspection Offices in: Orlando • Daytona Beach • Fort Myers • Gainesville • Jacksonville • Ocala • Palm Coast • Rockledge • Sarasota • Miami Pensacola • Panama Citv • Fort Pierce • St. Petersburg • Tampa • West Palm Beach • Atlanta. GA • Tifton. GA



UNIVERSAL ENGINEERING SCIENCES Consultants In: Geotechnical Engineering • Environmental Sciences Geophysical Services • Construction Materials Testing • Threshold Inspection Building Inspection • Plan Review • Building Code Administration

April 6, 2020

#### City of Daytona Beach

3651 LPGA Boulevard Daytona Beach, FL 32124 Attention: Mr. Eric Smith

#### LOCATIONS:

- Atlanta
- Daytona Beach
- Fort Myers
- Fort Pierce
   Gainesville
- Jacksonville
- Miami
- Ocala
- Orlando (Headquarters)
- Palm Coast
- Panama City
   Pensacola
- Pensacola
   Rockledge
- Sarasota
- Tampa
- Tifton
   West Palm Beach

#### Reference: Asbestos Materials Survey Sludge Press / Dewatering Building 3651 LPGA Boulevard Daytona Beach, Florida <u>UES Project No.: 0940.2000089.0000 / Report No. 1760997</u>

Dear Mr. Smith:

On behalf of the City of Daytona Beach (the "client"), Universal Engineering Sciences, Inc. (UES) has completed this Asbestos-Containing Materials (ACM) Survey for the above-referenced building (the "subject property). UES performed this ACM survey on Wednesday, April 01, 2020, to categorize and assess readily available suspect homogeneous material on equipment within the subject building scheduled to be removed. UES collected four (4) bulk samples from 2 homogeneous materials. The bulk samples were transported to a National Voluntary Laboratory Accreditation Program (NVLAP) accredited laboratory using Polarized Light Microscopy (PLM) for the presence of asbestos fibers.

Based on review of the Bulk Sample Analysis Report, no asbestos fibers in excess of one percent were detected in any of the materials sampled during the course of this ACM survey. Additional details regarding the ACM Survey conducted by UES are presented in the attached report.

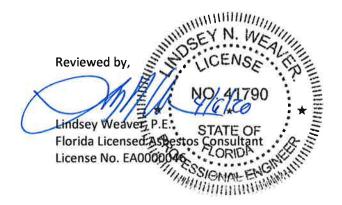
UES appreciates this opportunity to provide environmental services to you and we look forward to future endeavors. If you have any comments or questions regarding the information contained within this report or if we can be of further service, please contact the undersigned.

Respectfully submitted, *Universal Engineering Sciences, Inc.* Business License No. ZA-0000017

Written by,

lano & Blitte

James E. Blythe Environmental Manager EPA Accredited Asbestos Inspector



5561 Florida Mining Boulevard, Jacksonville, Florida 32256 | Phone 904-296-0757 www.UniversalEngineering.com

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#### **1.0 INTRODUCTION**

#### 1.1 General

The purpose of this Asbestos-Containing Materials (ACM) Survey was to identify accessible ACM and their general locations within equipment within the subject building scheduled for removal located at 3651 LPGA Boulevard in Daytona Beach, Florida. This service was conducted based on the written authorization by the City of Daytona Beach.

#### 1.2 Purpose and Scope of Work

The purpose of this study was to perform an evaluation of the above-referenced equipment within the facility for the presence of ACMs, specifically those materials which may be present or impacted during potential demolition or renovation activities. The activities and procedures used to accomplish this task were as follows:

- 1) A review of available building documents to identify potential locations of suspect Asbestos Containing Materials (ACMs);
- Visual building inspection of accessible areas by an United States Environmental Protection Agency (EPA) Asbestos Hazard Emergency Response Act (AHERA) accredited asbestos inspector to identify suspect ACMs;
- 3) Once identified, homogeneous materials (materials which are uniform in color, texture, construction/application date, and general appearance) will be determined;
- 4) Determine whether the suspect ACM is friable (a material that when dry, may be crumbled, pulverized or reduced to powder by hand pressure) or non-friable;
- 5) Collection of bulk samples of each homogeneous suspect ACM. Record sample information on Asbestos Bulk Sample Forms (chain-of-custody sheets), which were signed, dated, and sent with the samples to the laboratory;
- Analysis of the collected bulk samples at a National Voluntary Laboratory Accreditation Program (NVLAP) accredited laboratory using Polarized Light Microscopy (PLM) for the presence of asbestos fibers; and,
- 7) Prepare and submit a report.

Complete destructive observation and sampling procedures were not generally used in UES' evaluation of the subject building. The building was unoccupied at the time of our survey. Inaccessible areas within the building, such as crawl spaces, inside other sealed areas, behind architectural details are beyond the scope of this study. The scope of UES' inspection did not include an evaluation of fixtures, equipment, or stored materials.

#### 2.0 BUILDING CHARACTERISTICS AND INFORMATION

#### 2.1 General

The building located at the Waste Water Treatment Plant is the Sludge Press / Dewatering building. Equipment including piping is scheduled to be removed.

#### 2.2 Available Building Information

Photographs were provided to UES. No other material information was provided in reference to the structure located within the subject property.

#### 2.3 Current Building Use

At the time of UES' evaluation, the subject building was unoccupied.

#### 3.0 BUILDING INSPECTION

Three forms of asbestos containing materials are typically found in buildings:

- Surfacing Material material that is sprayed, troweled-on, or otherwise applied to interior and exterior structural and architectural surfaces. Surfacing material includes acoustical plaster on ceilings, fireproofing on structural members, textured paint and exterior stucco, and other materials applied to surfaces for acoustical, decorative, fireproofing, and other purposes.
- Thermal System Insulation material which is applied to interior and exterior mechanical components to reduce heat gain or loss. Thermal system insulation includes insulation on pipes, fittings, boilers, breeching, tanks, ducts, and other mechanical components.
- Miscellaneous Materials material, other than surfacing material and thermal system insulation, on interior and exterior structural, mechanical, electrical, or architectural components, and surfaces. Miscellaneous material includes but is not limited to ceiling tiles, gaskets, floor coverings and mastics, wallboard joint compound, roofing materials, and cementitious products.

An inspection of the equipment within the subject building was conducted to identify materials present within the building which are typically suspected of containing asbestos

#### 3.1 Inspection Procedures

UES' field inspection was performed April 1, 2020 by James Blythe, inspectors accredited according to Federal Regulation 40 CFR, Part 763 (AHERA), under the direction of an Asbestos Consultant licensed in the State of Florida. After a preliminary walk-through of the building, an inspection was conducted to evaluate the location and extent of the suspected asbestos containing building materials. Once identified, these materials were categorized into homogeneous areas containing materials of the same type, age,

visual appearance, texture, composition, etc. The present condition of the ACM was evaluated by UES and classified as one of three categories: Good, Fair or Poor. The "fair" and "poor" categories correspond to the AHERA definitions of "damaged" and "significantly damaged," respectively.

Each sample was documented by labeling the container with a unique sample number, entering the sample material on a bulk sample log or chain-of-custody form, and noting the location of each sample on a floor plan. Throughout the sampling process, care was taken to prevent cross-contamination of the collected bulk samples. Sampling equipment was cleaned following the collection of each sample.

The subject building was unoccupied at the time of our survey. Some materials may be hidden or masked by overlying materials such as concealed walls. While a reasonable effort was made by UES to collect and analyze samples of suspect materials, some may remain unobserved by the inspector.

Random, and in some cases judgmental, samples of each homogeneous area of material were then collected. The physical condition of each material was assessed. In addition, a tactile inspection of the material was performed to evaluate friability. If the material, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure, it is considered friable.

#### 3.2 Suspected Asbestos-Containing Building Materials

Based on UES' review of the available building system information and visual survey of the subject building, two homogeneous materials were identified at the subject building commonly suspected of containing asbestos. The homogeneous materials consisted of concrete and drywall/joint compound.

#### 4.0 LABORATORY ANALYSIS

#### 4.1 Polarized Light Microscopy

The samples of the suspected ACMs collected during the field inspection were transported with chain-ofcustody documentation to EMSL, Inc. located in Orlando, Florida. EMSL is an accredited laboratory for bulk sample analysis according to the NVLAP (Accreditation No. 101151-0).

Bulk samples were analyzed for the presence of asbestos fibers using Polarized Light Microscopy (PLM). The analyses were performed according to EPA Method 600/R-93/116 July 1993 "Method for the Determination of Asbestos in Bulk Building Materials." This analytical method can be used for qualitative identification of six morphologically different types of asbestos fibers: chrysotile, amosite, crocidolite, tremolite, actinolite and anthophylite.

The method specifies that the asbestos content in a bulk sample shall be estimated and reported as a finite percentage within the range of 0 to 100. Minute quantities of asbestos in bulk samples may be reported as "trace" or less than one percent (<1%). The analytical method determines the asbestos percentage by means of visual estimation technique. If analysis of the sample of a suspect ACM reveals a negative result, UES considers the material to be non-asbestos-containing. If at any time during the analytical process a sample tests positive, that material must be treated as asbestos-containing.

#### 4.2 Point Count Analysis

Point counting of material samples was not performed.

#### 5.0 FINDINGS

Two suspect homogeneous materials were identified at the subject building. Bulk samples were collected from the identified homogeneous material and submitted for laboratory analysis. The laboratory analyses indicated that no asbestos was detected in any of thr homogeneous materials analyzed from the structure. The table below outlines general information regarding the suspect ACM.

HSA	Sample No.	Material Description	Sampled Location	Cond.	%/Type Asbestos	Estimated Quantity	NESHAPS Category
А	1, 2	Drywall / Jt Compound	Electrical Room	F	ND	TBD	NR
В	3, 4	Concrete	2 <sup>nd</sup> Fl retaining wall, 1 <sup>st</sup> fl equipment pad	G	ND	TBD	NR

#### **SUMMARY OF SUSPECT ACMS TABLE 1**

Notes:

Condition: G – Good (Undamaged), F – Fair (Damaged), P – Poor (Severely Damaged) The type of asbestos detected is Chrysotile, unless otherwise noted. ND – Not Detected \*Single Ply EPDM and TPO type roofing systems are not sampled as part of this survey Sf = square feet If=linear feet Categories: NR – Not Regulated, Cat 1 – Category 1 Nonfriable, Cat. II – Category II Nonfriable, F – Friable Quantities are estimated and are not to be used for bidding purposes.

#### 6.0 SUMMARY

Inspection of the subject building, located at 3651 LPGA Boulevard in Daytona Beach, Florida, identified two materials suspected of containing asbestos fibers. Samples of each material were collected and submitted to an NVLAP accredited laboratory for analysis. The results indicated that no asbestos was detected in any of the samples obtained.

#### 7.0 REGULATORY INFORMATION

The renovation and demolition of buildings is regulated under the NESHAP statute. Even if no asbestos is detected, the NESHAP regulations require a ten day notification to the controlling agency prior to demolition.

Demolition under the NESHAP regulation is defined as the wrecking or taking out of any load supporting member of a facility together with any related handling operations. We recommend you contact the Controlling agency requiring the notification and other requirements which and may be applicable.

Renovation or demolition of the structure located within the subject property should be conducted in strict compliance with the aforementioned federal statutes and other applicable regulations, and good health and safety practices.

#### 8.0 CONTROLLING AGENCY

The Controlling Agency for the coordination of projects involving asbestos removal projects or demolition for Volusia County is the DEP Central District office located at 3319 Maguire Boulevard, Suite 232 in Orlando, Florida 32803. The Asbestos Contact is Wanda Parker, who can be reached by email Wanda.Parker@dep.state.fl.us or by telephone at (407-897-4100.

The owner or operator shall provide the above-referenced department with a ten-day notice of the demolition by timely submittal of a completed "Notification of Asbestos Removal Project" form, as promulgated under Florida Administrative Code.

#### 9.0 CONDITIONS AND LIMITATIONS OF THIS SURVEY

A representative of UES obtained samples of building materials which were observed during an inspection of the building at the subject site that are typically suspected of containing asbestos as a constituent. The bulk samples were submitted to an NVLAP approved laboratory for analysis using EPA approved methods for industry-accepted standards. No other warranty is expressed or implied.

In general, non-destructive inspection and sampling procedures were incorporated which allowed assessment of reasonably accessible building materials. This survey did not include a significantly destructive search behind walls or below existing floors. Some materials may be hidden or masked by concealed walls.

Any suspected building materials not addressed in this report, which are encountered during demolition or renovation should be analyzed for asbestos content prior to being damaged and/or removed. The indicated material quantities of ACM are estimates based on UES' field observations and should be considered preliminary in nature. These estimates should not be used for bidding purposes without verification by the asbestos abatement contractor.

Analysis of resinously bound materials by EPA Method 600/R-93/116 July 1993, may yield false-negative results because of method limitations in separating closely bound fibers and in detecting fibers of small length and diameter. Should you desire, other analytical methods including Transmission Electron Microscopy can be used to further evaluate these types of materials.





# SITE LOCATION MAP

# SITE LOCATION PLAN pga Blvd SITE Google Earth

## DEWATERING BUILDING 3651 LPGA BOULEVARD DAYTONA BEACH, FLORIDA

UNIVERSAL ENGINEERING SCIENCES	Site Location Plan	FOR : City of Daytona Beach		
	Sludge Press/Dewatering Building Daytona Beach, FL, FL	DRAWN BY : JB	DATE : 4/1/20	
		CHECKED BY : JB	DATE : 4/1/20	
	Site Location Map	SCALE : Not To Scale	FIGURE: 1	
		PROJ NO: 0940-20000089.0000		





# LABORATORY ANALYSIS

EMSL	EMSL Analytical, Inc. 3303 PARKWAY CENTER COURT Orlando, FL 32808 Tel/Fax: (407) 599-5887 / (407) 599-9063 http://www.EMSL.com / orlandolab@emsl.com	EMSL Order: Customer ID: Customer PO: Project ID:	
Attention:	James Blythe	Phone:	(904) 296-0757
	Universal Engineering Sciences	Fax:	(904) 296-0748
	5561 Florida Mining Blvd. South	Received Date:	04/02/2020 11:35 AM
	Jacksonville, FL 32257	Analysis Date:	04/02/2020
		Collected Date:	04/01/2020
Project:	Sludge Press Building - WWTP/0940.2000089.0000		

#### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Non-Asbestos					Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Туре
1-Joint Compound	2nd Fl, Electrical Room - Drywall/Jt	Tan/White Non-Fibrous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
342005289-0001 No Drywall Present.	Compound	Homogeneous			
2-Drywall 342005289-0002	2nd FI, Electrical Room - Drywall/Jt Compound	Brown/Tan Fibrous Heterogeneous	10% Cellulose <1% Glass	65% Gypsum 25% Non-fibrous (Other)	None Detected
2-Joint Compound 342005289-0002A	2nd FI, Electrical Room - Drywall/Jt Compound	White Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
3	2nd FI, Equipment Retaining Wall - Concrete	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
4	1st FI, Equipment Concrete Pad -	Gray Non-Fibrous		30% Quartz 15% Ca Carbonate	None Detected
342005289-0004	Concrete	Homogeneous		55% Non-fibrous (Other)	

Analyst(s)

Bryan Lopez-Duenas (2) Jhon Rosario (3)

Carlos Rivadeneyra, Laboratory Director or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations . Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Orlando, FL NVLAP Lab Code 101151-0

Initial report from: 04/03/2020 10:17:31

EMISI

EMSL ANALYTICAL, INC.

Asbestos	Bulk	Building	Material
Ch	ain o	f Custody	

	Unain		stouy	
EMSL	Order	Number	' (Lab Üse	Only):

## 342005289

Orlando, FL 32808 PHONE: (407) 599-5887 FAX: (407) 599-9063

-									
Company : Universal Engineering Sciences				EMSL-Bill to: 2 Same Different					
Street: 556	1 Florid	a Mining Boulev	ard		Third Party Billing requires written authorization from third party				
City: Jacks	onville	wille State/Province: FL			Zip/Postal Code: 32257 Country: US				
Report To (Name): James Blythe			7	<u>elephone #: 90</u>	4-296-0757				
Email Address: jblythe@universalengineering.com				ax #:	Purchase Order:				
	Project Name/Number: Sludge Press Building - WWTP / 0940.2000089.000 U.S. State Samples Taken: FL				Please Provide				
U.S. State S	Samples	Taken: FL				Commercial/Taxable [] Residential/Tax Exemp			
<b>3 Hour</b>	3 hr throu	gh 6 hr, pjéase dall al	Turnaround Time (T 24 Hour 48 Hour dead to schedule.*There is a p Analysis completed in accor	r remiu	<b>72 Hour</b> Im charge for 3 Hou	ase Check			
		I - Bulk (reportin				TEM – Bulk			
🔳 PLM EP.	A 600/R-	93/116 (<1%)			TEM EPA NOB	EPA 600/R-93/116 Section 2.5.5.1			
PLM EP	A NOB (•	<1%)	· · · · · · · · · · · · · · · · · · ·		NY ELAP Metho	od 198.4 (TEM)			
	-	(<0.25%) 🗌 1000				ol (semi-quantitative)			
Point Coun	t w/Gravi	metric 🗌 400 (<0.	25%) 🔲 1000 (<0.1%)			= EPA 600/R-93/116 Section 2.5.5.2			
						via Filtration Prep Technique			
		d 198.1 (friable in			TEM Qualitative	via Drop Mount Prep Technique			
		d 198.6 NOB (non	-friable-NY)			Other			
		n Method				4/4/00			
r			y Identify Homogenous	Gro	Group Date Sampled: 4/1/20				
Samplers 1	Name: J	im <sup>-</sup> Blythe			Samplers Sig	nature: 1 Am			
Sample #	HA #		Sample Location			Material Description			
1	А	2n	d Fl, Electrical R	00	n	Drywall/Jt Compound			
2	А	2n	d Fl, Electrical R	oon	n	Drywall/Jt Compound			
3	В	2nd Fl,	Equipment Retai	nin	g Wall	Concrete			
4	В	1st Fl,	Equipment Conc	rete	e Pad	Concrete			
						·			
<b>Client Sam</b>	ple # (s)	:	1 -		{	Total # of Samples:			
Relinguish		-	Da Da	tor	4/1/20	Time: 17:00			
Actinguist		·····	- 'ANU Da	ie:					
Received ( Comments		Instructions:	Da	te:	API	R 0 2 2020 Time: //- J J			
			Page 1 of	_pag	jes				
					Addendu	um 7 Attachments ITB 20403 May 8, 2020			
l			Page 1 Of		1	Page 41 of 84			

INSPECTOR QUALIFICATIONS



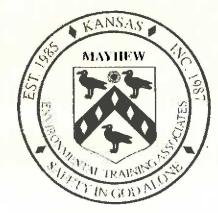
Certificate # EZ949LR7DVZN

# James Blythe

has on 1/7/2020, in Jacksonville FL completed the requirements for asbestos accreditation under Section 206 of TSCA Title II, 15 USC 2646

## 4-hour Asbestos Building Inspector Refresher

as approved by FL and the US EPA under 40 CFR 763 (AHERA) from 1/7/2020 to 1/7/2020 and passed the associated exam on 1/7/2020 with a score of at least 70%



P.O. Box 786

Training Provider #: FL49-0001221 Course #: 0004718 FL License #: SSN: XXX-XX-1525 Expiration: 1/7/2021 - Lawrence, KS. 66044 www.metaenvironmental.net

Dane. althop

Dean Althage Instructor

800.444.6382

Thomas Mayhew

President

Addendum 7 Attachments ITB 20403 May 8, 2020

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## **SECTION 15052**

## COMMON WORK RESULTS FOR GENERAL PIPING

## PART 1 GENERAL

#### 1.01 SUMMARY

- A. Section includes: Basic piping materials and methods.
- B. Related sections:
  - 1. The Contract Documents are complementary; what is called for by one is as binding as if called for by all.
  - 2. It is the Contractor's responsibility for scheduling and coordinating the Work of subcontractors, suppliers, and other individuals or entities performing or furnishing any of Contractor's Work.
  - 3. The following Sections are related to the Work described in this Section. This list of Related Sections is provided for convenience only and is not intended to excuse or otherwise diminish the duty of the Contractor to see that the completed Work complies accurately with the Contract Documents.
    - a. Section 01140 Work Restrictions.
    - b. Section 09960 High-Performance Coatings.
    - c. Section 15061 Pipe Supports.
    - d. Section 15211 Ductile Iron Piping: AWWA C151
    - e. Section 15956 Piping Systems Testing.

## 1.02 REFERENCES

- A. American Society of Mechanical Engineers (ASME):
  - 1. B16.5 Pipe Flanges and Flanged Fittings: NPS 1/2 through 24.
  - 2. B16.47 Large Diameter Steel Flanges: NPS 26 Through NPS 60 Metric/Inch Standard.
- B. American Water Work Association (AWWA):
  - 1. C207 Standard for Steel Pipe Flanges for Waterworks Services-Size 4 In. Through 144 In.
- C. ASTM International (ASTM):
  - 1. A 193 Standard Specification for Alloy-Steel and Stainless Steel Bolting Materials for High Temperature or High Pressure Service and Other Special Purpose Applications.
  - 2. A 194 Standard Specification for Carbon and Alloy Steel Nuts for Bolts for High Pressure or High Temperature Service, or Both.
  - 3. A 307 Standard Specification for Carbon Steel Bolts and Studs, 60,000 PSI Tensile Strength.
  - 4. F 37 Standard Test Methods for Sealability of Gasket Materials.

## 1.03 DEFINITIONS

A. Buried pipe: Pipe that is buried in the soil, or cast in a concrete pipe encasement that is buried in the soil.

- B. Exposed pipe: Pipe that is located above ground, or pipe that is located inside a structure, supported by a structure, or cast into a concrete structure.
- C. Underground piping: Piping actually buried in soil or cast in concrete that is buried in soil.
- D. Underwater piping: Piping below tops of walls in basins or tanks containing water.
- E. Wet wall: Wall with water on at least 1 side.

#### 1.04 SUBMITTALS

- A. Product data:
  - 1. Escutcheons.
  - 2. Flange bolts.
  - 3. Gaskets.
  - 4. Link -type seals.
  - 5. Certifications of compliance with reference standard for lead limits.

#### PART 2 PRODUCTS

#### 2.01 ESCUTCHEONS

- A. Material: Chrome-plated steel plate.
- B. Manufacturers: One of the following or equal:
  - 1. Dearborn Brass Company, Model Number 5358.
  - 2. Keeney Manufacturing Company, Model Number 102 or Number 105.

#### 2.02 LINK TYPE SEALS

- A. Characteristics:
  - 1. Modular mechanical type, consisting of interlocking neoprene or synthetic rubber links shaped to continuously fill the annular space between the pipe and wall opening.
  - 2. Assemble links solely with stainless steel bolts and nuts to form a continuous rubber belt around the pipe.
  - 3. Provide a nylon polymer pressure plate with Type 316 stainless steel hardware. Isolate pressure plate from contact with wall sleeve.
- B. Manufacturers: One of the following or equal:
  - 1. Calpico, Incorporated.
  - 2. Pipeline Seal and Insulator, Inc., Link-Seal.

#### 2.03 FLANGE BOLTS

- A. Ductile iron pipe:
  - Bolts and nuts for ductile iron pipe flanges located indoors, outdoors above ground, or in dry vaults and structures and where pressures do not exceed 150 pounds per square inch shall be hot-dip galvanized carbon steel, ASTM A 307, Grade B.

- 2. Bolts and nuts for ductile iron pipe flanges located indoors, outdoors above ground, or in dry vaults and structures where the pressures exceed 150 pounds per square inch shall be alloy steel, ASTM A 193, Grade B7.
- 3. Bolts and nuts for ductile iron pipe flanges submerged in water or wastewater, buried, in wet vaults or structures, adjacent to wet walls, or above open watercontaining structures shall be Type 316 stainless steel in accordance with ASTM A 193, Grade B8M for bolts and in accordance with ASTM A 194, Grade 8M for nuts.
- 4. Provide a washer for each nut. Washer shall be of the same material as the nut.
- 5. Nuts shall be Heavy hex-head, Type 2H.
- 6. Cut and finish flange bolts to project a maximum of 1/4 inch beyond outside face of nut after assembly.
- 7. Tap holes for cap screws or stud bolts when used.
- B. Lubricant for stainless steel bolts and nuts:
  - 1. Chloride-free.
  - 2. Manufacturers: One of the following or equal:
    - a. Huskey FG-1800.

#### 2.04 GASKETS

- A. Gaskets for non-steam cleaned ductile iron and steel piping:
  - 1. Suitable for pressures equal to and less than 150 pounds per square inch gauge, temperatures equal to or less than 250 degrees Fahrenheit, and raw sewage service.
  - 2. Gasket material:
    - a. Neoprene elastomer with minimum Shore A hardness value of 70.
    - b. Reinforcement: Inserted 13-ounce nylon fabric cloth for pipes 20 inch or larger.
    - c. Thickness: Minimum 3/32-inch thick for less than 10-inch pipe; minimum 1/8 inch thick for 10-inch and larger pipe.
  - 3. Manufacturers: One of the following or equal:
    - a. Pipe less than 20 inches in diameter:
      - 1) Garlock, Style 7797.
      - 2) John Crane, similar product.
    - b. Pipe 20 inches in diameter and larger:
      - 1) Garlock, Style 8798.
      - 2) John Crane, similar product.
- B. Gaskets for steam cleaned non glass-lined ductile iron and steel piping:
  - 1. Suitable for pressures equal and less than 150 pounds per square inch gauge, temperatures equal or less than 360 degrees Fahrenheit, and raw sewage service.
  - 2. Material:

3.

- a. Neoprene elastomer, compressed, non-asbestos fiber reinforcement.
  - Manufacturers: One of the following or equal:
    - a. Garlock, Bluegard 3300.
    - b. John Crane, similar product.

- C. Gaskets for flanged joints in polyvinyl chloride and polyethylene piping:
  - 1. Suitable for pressures equal to or less than 150 pounds per square inch gauge, with low flange bolt loadings, temperatures equal and less than 120 degrees Fahrenheit, and polymer, chlorine, caustic solutions, and other chemicals, except chemicals which liberate free fluorine including fluorochemicals and gaseous fluorine.
  - 2. Material: 0.125-inch thick Viton rubber.
  - 3. Manufacturers: One of the following or equal:
    - a. Garlock.
    - b. John Crane, similar product.
- D. Gaskets for flanged joints in low pressure air piping:
  - 1. Suitable for pressures equal to or less than 150 pounds per square inch gauge, temperatures equal to or less than 300 degrees Fahrenheit, and compressed air service.
  - 2. Material: EPDM elastomer, 1/8 inch thick, 60 Shore hardness, smooth surface.
  - 3. Manufacturers: One of the following or equal:
    - a. Garlock, Style 8314.
    - b. John Crane, similar product.
- E. Gaskets for flanged joints in ductile iron or steel water piping:
  - 1. Suitable for hot or cold water, pressures equal to or less than 150 pounds per square inch gauge, and temperatures equal to or less than 160 degrees Fahrenheit.
  - 2. Material:
    - a. Neoprene elastomer, compressed, with non-asbestos fiber reinforcement.
  - 3. Manufacturers: One of the following or equal:
    - a. Garlock, Bluegard 3300.
    - b. John Crane, similar product.
- F. Provide gaskets suitable for the specific fluids and pressure and temperature conditions.

### PART 3 EXECUTION

#### 3.01 EXAMINATION

- A. Verification of existing conditions:
  - 1. Locate and expose existing structures, piping, conduits, and other facilities and obstructions that may affect construction of underground piping before starting excavation for new underground piping and appurtenances.
  - 2. Verify sizes, elevations, locations, and other relevant features of existing facilities and obstructions. Determine conflicts for the construction of the new underground piping and appurtenances.
  - 3. Make piping location and grade adjustments to resolve conflicts between new piping and existing facilities and obstructions.

### 3.02 INSTALLATION

- A. General:
  - 1. Piping drawings:
    - a. Except in details, piping is indicated diagrammatically. Not every offset and fitting, or structural difficulty that may be encountered has been indicated on the Drawings. Sizes and locations are indicated on the Drawings.
    - b. Perform minor modifications to piping alignment where necessary to avoid structural, mechanical, or other type of obstructions that cannot be removed or changed.
      - Modifications are intended to be of minor scope, not involving a change to the design concept or a change to the Contract Price or Contract Times.
  - 2. Piping alternatives:
    - a. Provide piping as specified in this Section, unless indicated on the Drawings or specified otherwise.
    - b. Alternative pipe ratings:
      - 1) Piping with greater pressure rating than specified may be substituted in lieu of specified piping without changes to the Contract Price.
      - 2) Piping of different material may not be substituted in lieu of specified piping.
    - c. Valves in piping sections: Capable of withstanding specified test pressures for piping sections and fabricated with ends to fit piping.
    - d. For flanged joints, where 1 of the joining flanges is raised face type, provide a matching raised face type flange for the other joining flange.
  - 3. Unless otherwise indicated on the Drawings, piping at pipe joints, fittings, couplings, and equipment shall be installed without rotation, angular deflection, vertical offset, or horizontal offset.
- B. Wall and slab penetrations:
  - 1. Provide sleeves for piping penetrations through aboveground masonry and concrete walls, floors, ceilings, roofs, unless specified or otherwise indicated on the Drawings.
  - 2. For piping 1 inch in nominal diameter and larger, provide sleeves with minimum inside diameters of 1 inch plus outside diameter of piping. For piping smaller than 1 inch in nominal diameter, provide sleeve of minimum twice the outside diameter of piping.
    - a. Arrange sleeves and adjacent joints so piping can be pulled out of sleeves and replaced without disturbing the structure.
    - b. Cut ends of sleeves flush with surfaces of concrete, masonry, or plaster.
    - c. Conceal ends of sleeves with escutcheons where piping runs through floors, walls, or ceilings of finished spaces within buildings.
    - d. Seal spaces between pipes and sleeves with link-type seals when not otherwise specified or indicated on the Drawings.
  - 3. Provide flexibility in piping connecting to structures to accommodate movement due to soil settlement and earthquakes. Provide flexibility using details indicated on the Drawings.
  - 4. Core drilled openings:
    - a. Do not damage or cut existing reinforcing bars, electrical conduits, or other items embedded in the existing concrete without acceptance by Engineer.

- b. Determine location of reinforcing bars or other obstructions with a non-destructive indicator device.
- c. Remove dust and debris from hole using compressed air.
- C. Exposed piping:
  - 1. Install exposed piping in straight runs parallel to the axes of structures, unless otherwise indicated on the Drawings:
    - a. Install piping runs plumb and level, unless otherwise indicated on the Drawings.
      - 1) Slope plumbing drain piping with a minimum of 1/4 inch per foot downward in the direction of flow.
  - 2. Install exposed piping after installing equipment and after piping and fitting locations have been determined.
  - 3. Support piping: As specified in Sections 15061:
    - a. Do not transfer pipe loads and strain to equipment.
  - 4. In addition to the joints indicated on the Drawings, provide unions, flexible couplings, flanged joints, flanged coupling adapters, and other types of joints or means which are compatible with and suitable for the piping system, and necessary to allow ready assembly and disassembly of the piping.
  - 5. Assemble piping without distortion or stresses caused by misalignment:
    - a. Match and properly orient flanges, unions, flexible couplings, and other connections.
    - b. Do not subject piping to bending or other undue stresses when fitting piping.
    - c. Do not correct defective orientation or alignment by distorting flanged joints or subjecting flange bolts to bending or other undue stresses.
    - d. Flange bolts, union halves, flexible connectors, and other connection elements shall slip freely into place.
    - e. Alter piping assembly to fit, when proper fit is not obtained.
    - f. Install eccentric reducers or increasers with the top horizontal for pump suction piping.
- D. Buried piping:
  - 1. Bury piping with minimum 3-foot cover without air traps, unless otherwise indicated on the Drawings.
  - 2. Where 2 similar services run parallel to each other, piping for such services may be laid in the same trench.
    - a. Lay piping with sufficient room for assembly and disassembly of joints, for thrust blocks, for other structures, and to meet separation requirements of public health authorities having jurisdiction.
  - 3. Laying piping:
    - a. Lay piping in finished trenches free from water or debris. Begin at the lowest point with bell ends up slope.
    - b. Place piping with top or bottom markings with markings in proper position.
    - c. Lay piping on an unyielding foundation with uniform bearing under the full length of barrels.
    - d. Where joints require external grouting, banding, or pointing, provide space under and immediately in front of the bell end of each section laid with sufficient shape and size for grouting, banding, or pointing of joints.
    - e. At the end of each day's construction, plug open ends of piping temporarily to prevent entrance of debris or animals.
  - 4. Concrete encase all buried pipe installed under concrete slabs or structures.

- E. Venting piping under pressure:
  - 1. Lay piping under pressure flat or at a continuous slope without air traps, unless otherwise indicated on the Drawings.
  - 2. Install plug valves as air bleeder cocks at high points in piping.
    - a. Provide 1-inch plug valves for water lines, and 2-inch plug valves for sewage and sludge lines, unless otherwise indicated on the Drawings.
  - 3. Provide additional pipe taps with plug cocks and riser pipes along piping as required for venting during initial filling, disinfecting, and sampling.
  - 4. Before piping is placed into service, close plug valves and install plugs. Protect plugs and plug valves from corrosion in as specified in Section 09960.
- F. Restraining piping:
  - 1. Restrain piping at valves and at fittings where piping changes direction, changes sizes, and at ends:
    - a. When piping is underground, use concrete thrust blocks, mechanical restraints, or push-on restraints.
    - b. When piping is aboveground or underwater, use mechanical or structural restraints.
    - c. Determine thrust forces by multiplying the nominal cross sectional area of the piping by design test pressure of the piping.
  - 2. Provide restraints with ample size to withstand thrust forces resulting from test pressures:
    - a. During testing, provide suitable temporary restraints where piping does not require permanent restraints.
  - 3. Place concrete thrust blocks against undisturbed soil.
  - 4. Place concrete so piping joints, fittings, and other appurtenances are accessible for assembly and disassembly.
  - 5. Provide underground mechanical restraints where specified in the Piping Schedule.
- G. Connections to existing piping:
  - Expose existing piping to which connections are to be made with sufficient time to permit, where necessary, field adjustments in line, grade, or fittings:
    - a. Protect domestic water/potable water supplies from contamination:
      - 1) Make connections between domestic water supply and other water systems in accordance with requirements of public health authorities.
      - 2) Provide devices approved by Owner of domestic water supply system to prevent flow from other sources into the domestic supply system.
  - 2. Make connections to existing piping and valves after sections of new piping to be connected have been tested and found satisfactory.
  - 3. Provide sleeves, flanges, nipples, couplings, adapters, and other fittings needed to install or attach new fittings to existing piping and to make connections to existing piping.
  - 4. For flanged connections, provide stainless steel bolts with isolation bushings and washers, and full-face flange gaskets.
- H. Connections to in-service piping:
  - 1. As specified in Section 01140.

- I. Connections between ferrous and nonferrous metals:
  - 1. Connect ferrous and nonferrous metal piping, tubing, and fittings with dielectric couplings especially designed for the prevention of chemical reactions between dissimilar metals.
  - 2. Nonferrous metals include aluminum, copper, and copper alloys.
- J. Flanged connections between dissimilar metals such as ductile iron pipe and steel pipe:
  - 1. Provide stainless steel bolts with isolation bushings and washers, and full-face flange gaskets.

#### 3.03 CLEANING

- A. Piping cleaning:
  - 1. Upon completion of installation, clean piping interior of foreign matter and debris.
  - 2. Perform special cleaning when required by the Contract Documents.
- B. Cleaning potable water piping:
  - 1. Flush and disinfect potable water piping.
- C. Cleaning air piping:
  - 1. Perform special cleaning of filtered air piping from the intake clean air plenums to the discharge points and high-pressure air piping.
    - a. Protect surfaces from contamination.
  - 2. Special cleaning shall include wire brushing, power tool cleaning, wiping down with lint-free cloths, brooming, and vacuuming to remove rust, scale, weld spatter, dust, dirt, oil, and other matter deleterious to operation of the air system:
    - a. Do not sandblast installed piping.
  - 3. To the greatest extent possible, clean piping immediately prior to final closure of piping systems:
    - a. Enter piping, clean and wipe down surfaces, and vacuum out residue.
    - b. Clean surfaces not accessible to this cleaning operation after installation within 6 hours preceding installation.
  - 4. Subsequent to cleaning, protect surfaces from contamination by dust, dirt, construction debris, and moisture, including atmospheric moisture:
    - a. Whether or not pipe upstream has been cleaned, temporarily seal openings in partially completed work except when installation is actively in progress.
    - b. When installation is actively in progress, seal openings at the end of each day's construction or when construction is temporarily stopped.
  - 5. Suspend cleaning and seal openings when inclement weather, including dust storms, is imminent.
  - 6. Use clean, dry air for testing the piping and other elements of the system.
  - 7. Prior to introduction of air to the system, blow piping clean.
    - a. Blow with maximum discharge rate possible for minimum 4 hours, using new blowers or compressors and filters.
  - 8. Clean surfaces that become contaminated prior to acceptance.

#### 3.04 PIPING SCHEDULE

- A. Abbreviations:
  - 1. The following abbreviations used in the column of test method refer to the respective methods as specified in Section 15956.
    - AM Air method
    - GR Gravity method
    - HH High head method
    - LH Low head method
    - SC Special case
  - 2. Abbreviations to designate piping include the following:
    - ASP Asphaltic
    - BFPF Belt Filter Press Feed
    - B&S Special case
    - B&SP Bell & Spigot
    - BSP Black Steel Pipe
    - CI Cast iron
    - CISP Cast Iron Soil Pipe
    - CD Chemical Drain
    - CE Ceramic Epoxy
    - CND Condensate Drain
    - CL Class, followed by the designation
    - CM Cement Mortar
    - CMP Corrugated Metal Pipe
    - CPVC Chlorinated Polyvinyl Chloride
    - CTP Coal Tar Pitch
    - CU Copper Tubing
    - DIP Ductile iron piping
    - FL Flanged
    - HTC High Temperature Coating
    - FRP Fiberglass Reinforced Pipe
    - GA Gauge, preceded by the designation
    - GE Grooved end joint
    - GL Glass Lined
    - GSP Galvanized Steel Pipe
    - HPC High Performance Coating

HSE	High Solids Epoxy
HSEP	High Solids Epoxy and Polyurethane
MJ	Mechanical Joint
NPS	Nominal pipe size, followed by the number in inches
PE	Polyethylene
PEE	Polyethylene Encasement
PJ	Push on Joint
psi	pounds per square inch
psig	pounds per square inch gauge
PTW	Plastic Tape Wrap
PVC	Polyvinyl Chloride
Restr	Reinforced Concrete Pipe
RCP	Restrained
RDL	Roof Drain Leader
SCH	Schedule, followed by the designation
SCRD	Screwed
SDR	PVC - SDR Series Pipe
SST	Stainless steel
SW	Solvent Weld
TW	Tape Wrap
VE	Chemical Vent
VCP	Vitrified clay piping
WLD	Welded

## 8290U10

PIPING SCHEDULE									
Process Abbrev.	Service	Nominal Diameter (inches)	Material	Pressure Class Special Thickness Class Schedule Wall Thickness	Pipe Spec. Section	Joints/ Fittings	Test Pressure/ Method	Lining	Coating
				Waste	Activated Sludg	je			
WAS	Above Ground	4	DIP	Thickness CL 53 (min)	15211	FL	75 psig/HH	CE <sup>(1)</sup>	HSEP
				١	Vashwater				
WW or RW	Below Ground	10	DIP	Thickness CL 53 (min)	15211	Restrained MJ	50 psig/HH	Cement Lined	Per manufacturer
	Above Ground	1 - 6	PVC (INSIDE BFP ROOM)	80 sch	15249	SW	50 psig/HH		
					Drain				
DR	Above Ground	1 - 10	PVC	SDR 26	15247	SW	10 psig/LH	None	None
	Under Ground <sup>AD5</sup>	<u>1 – 10<sup>AD5</sup> </u>	PVC AD5	SDR 26 AD5	15247 AD5	SW AD5	10 psig/LH AD5	None AD5	None AD5
PW	Above and Under ground AD7	<u>1 - 4<sup>AD7</sup></u>	PVC AD7	80 sch AD7	15249 <sup>AD7</sup>	SW AD7	<u>100 psig/HH</u> AD7		

1. Contractor shall provide PROTECTO 401 Ceramic Epoxy or Permite Permox PCS-9043 Type II Glass Flake Epoxy lining for ductile iron pipes.

END OF SECTION

<sup>&</sup>lt;sup>AD7</sup> Addendum No. 7 – May 8, 2020

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ATTACHMENT A - Wage Rate Sheet attached with highlights (in yellow) as response to Question 19

## WSRWRF Wage Rates

FL180 (01/05/2018)								
Classification		Rate		Fringe	To	tal	Ov	ertime
Operator Oiler	\$	20.36	\$	10.85	\$	31.21	\$	41.39
Ironworker	\$	26.03	\$	12.95	\$	38.98	\$	52.00
Laborer: Grade Checker	\$	19.20	\$	7.85	\$	27.05	\$	36.65
Painter	\$	24.71	\$	12.30	\$	37.01	\$	49.37
Carpenter (Excludes Form Work)	\$	13.56	\$	1.84	\$	15.40	\$	22.18
Cement Mason/Concrete Finisher	\$	12.63	\$	-	\$	12.63	\$	18.95
Electrician	\$	16.71	\$	3.51	\$	20.22	\$	28.58
Form Worker	\$	11.36	\$		\$	11.36	\$	17.04
Laborer:		11. 11. 200 0000 000			-			
Common or General	\$	9.03	\$	0.81	\$	9.84	\$	14.36
Landscape	\$	8.44	\$	-	\$	8.44	\$	12.66
Pipelayer	\$	11.17	\$	1.27	\$	12.44	\$	18.03
Power Tool Operator	\$	10.63	\$	2.20	\$	12.83	\$	18.15
Operator:							_	
Asphalt Paver	\$	11.88	\$		\$	11.88	\$	17.82
Backhoe Loader Combo	\$	16.10	\$	2.44	\$	18.54	\$	26.59
Backhoe/Excavator	\$	13.12	\$	2.44	\$	15.70	\$	22.26
Bulldozer	\$	12.88	\$	-	\$	12.88	\$	19.32
Crane	\$	14.88	\$	3.17	\$	18.05	\$	25.49
Grader/Blade	\$	16.00	\$	2.84	\$	18.84	\$	26.84
Loader	\$	13.38	\$	2.04	\$	13.38	\$	20.84
Mechanic	\$	13.83	\$	2.19	\$	16.02	\$	22.94
Roller	\$	10.50	\$	-	\$	10.50	\$	15.75
Scraper	\$	11.00	\$	1.74	\$	12.74	\$	18.24
Trackhoe	\$	20.92	\$	5.50	\$	26.42	\$	36.88
Tractor	\$	10.00	\$	-	\$	10.00	\$	15.00
	ļ							
Truck Driver:	<u> </u>							
Includes Dump Truck	\$	11.07	\$	-	\$	11.07	\$	16.61
Lowboy	\$	11.00	\$	-	\$	11.00	\$	16.50
Off Road	\$	12.21	\$	1.97	\$	14.18	\$	20.29

#### ATTACHMENT B - NEW DAVIS BACON WAGE RATES

"General Decision Number: FL20200137 01/03/2020

Superseded General Decision Number: FL20190137

State: Florida

Construction Type: Heavy

County: Volusia County in Florida.

HEAVY CONSTRUCTION PROJECTS (Including Sewer and Water Lines) (EXCLUDING CAPE CANAVERAL AIR FORCE STATION, PATRICK AIR FORCE BASE, KENNEDY SPACE FLIGHT CENTER AND MALABAR RADAR SITE)

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.80 for calendar year 2020 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.80 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2020. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification	Number	Publication	Date
0		01/03/2020	

ENGI0673-013 05/01/2013

	Rates	Fringes
OPERATOR: Oiler	\$ 20.36	10.85
* IRON0808-003 01/01/2019		
	Rates	Fringes
IRONWORKER, STRUCTURAL	\$ 27.28	14.70
LABO0517-002 05/01/2017		
	Rates	Fringes
LABORER: Grade Checker	\$ 19.20	7.85
PAIN1010-011 08/01/2019		

https://beta.sam.gov/wage-determination/FL20200137/0?index=wd&keywords=&is\_active=true&sort=-modifiedDate&date\_filter\_indErestate 44\_d\_se... 1/5

	Rates	Fringes
Painter - Brush, Roller & Spray		13.50
SUFL2009-176 06/24/2009		
	Rates	Fringes
CARPENTER, Excludes Form Work	\$ 13.56	1.84
CEMENT MASON/CONCRETE FINISHER.	\$ 12.63	0.00
ELECTRICIAN	\$ 16.71	3.51
FORM WORKER	\$ 11.36	0.00
LABORER: Common or General	\$ 9.03	0.81
LABORER: Landscape	\$ 8.44	0.00
LABORER: Pipelayer	\$ 11.17	1.27
LABORER: Power Tool Operator (Hand Held Drills/Saws, Jackhammer and Power Saws		
Only)	\$ 10.63	2.20
OPERATOR: Asphalt Paver	\$ 11.88	0.00
OPERATOR: Backhoe Loader Combo	\$ 16.10	2.44
OPERATOR: Backhoe/Excavator	\$ 13.12	2.58
OPERATOR: Bulldozer	\$ 12.88	0.00
OPERATOR: Crane	\$ 14.88	3.17
OPERATOR: Grader/Blade	\$ 16.00	2.84
OPERATOR: Loader	\$ 13.38	0.00
OPERATOR: Mechanic	\$ 13.83	2.19
OPERATOR: Roller	\$ 10.50	0.00
OPERATOR: Scraper	\$ 11.00	1.74
OPERATOR: Trackhoe	\$ 20.92	5.50
OPERATOR: Tractor	\$ 10.00	0.00
TRUCK DRIVER, Includes Dump Truck	\$ 11.07	0.00
TRUCK DRIVER: Lowboy Truck	\$ 11.00	0.00
TRUCK DRIVER: Off the Road Truck	-	1.97

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

Addendum 7 Attachments ITB 20403 May 8, 2020

https://beta.sam.gov/wage-determination/FL20200137/0?index=wd&keywords=&is\_active=true&sort=-modifiedDate&date\_filter\_indExee&&date\_fil

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

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

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

#### Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

#### Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that Addendum 7 Attachments ITB 20403 May 8, 2020 classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations Wage and Hour Division U.S. Department of Labor 200 Constitution Avenue, N.W. Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an

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interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

> Wage and Hour Administrator U.S. Department of Labor 200 Constitution Avenue, N.W. Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board U.S. Department of Labor 200 Constitution Avenue, N.W. Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

\_\_\_\_\_

END OF GENERAL DECISION

#### ATTACHMENT C - PLAN HOLDERS LIST

DateAdded	CompanyName	EmailAddress	EventType
4/28/2020 10:48	Economy Electric Company	anncarter@economyelectricco.com	click
4/14/2020 13:45	Florida Design Contractors	bids@floridadesigncontractors.com	click
4/20/2020 8:20	Florida Design Contractors	bids@floridadesigncontractors.com	click
4/30/2020 15:41	Florida Design Contractors	bids@floridadesigncontractors.com	click
4/14/2020 13:45	Florida Design Contractors Inc.	bids@floridadesigncontractors.com	click
4/20/2020 8:20	Florida Design Contractors Inc.	bids@floridadesigncontractors.com	click
4/30/2020 15:41	Florida Design Contractors Inc.	bids@floridadesigncontractors.com	click
4/14/2020 13:39	L7 Construction	blefever@I7constructs.com	click
4/17/2020 9:32	L7 Construction	blefever@I7constructs.com	click
4/17/2020 17:38	L7 Construction	blefever@I7constructs.com	click
4/30/2020 16:23	L7 Construction	blefever@I7constructs.com	click
4/14/2020 13:39	L7 Construction Inc.	blefever@I7constructs.com	click
4/17/2020 9:32	L7 Construction Inc.	blefever@I7constructs.com	click
4/17/2020 17:38	L7 Construction Inc.	blefever@I7constructs.com	click
4/30/2020 16:23	L7 Construction Inc.	blefever@I7constructs.com	click
4/14/2020 13:44	Prime Construction Group	mallen@primeconstructiongroup.com	click
4/30/2020 15:34	Recreational Design & Construction Inc.	info@rdcdesignbuild.com	click
4/14/2020 14:36	Revere Control Systems	jmead@reverecontrol.com	click
4/14/2020 14:36	Revere Control Systems Inc	jmead@reverecontrol.com	click
4/17/2020 9:12	Schwing Bioset/Revinu	teaton@schwingbioset.com	click
4/17/2020 17:20	Schwing Bioset/Revinu	teaton@schwingbioset.com	click
4/30/2020 15:33	Schwing Bioset/Revinu	teaton@schwingbioset.com	click
5/1/2020 10:15	Schwing Bioset/Revinu	teaton@schwingbioset.com	click
4/30/2020 17:35	Wharton Smith Inc.	dbragg@whartonsmith.com	click
4/30/2020 17:35	Wharton-Smith Inc.	dbragg@whartonsmith.com	click
3/30/2020 9:40	Black Sands Development Group PLLC	blacksandsdg@outlook.com	deliver
4/1/2020 16:47	Black Sands Development Group PLLC	blacksandsdg@outlook.com	deliver
4/2/2020 15:37	Black Sands Development Group PLLC	blacksandsdg@outlook.com	deliver
4/6/2020 9:20	Black Sands Development Group PLLC	blacksandsdg@outlook.com	deliver
4/14/2020 13:36	Black Sands Development Group PLLC	blacksandsdg@outlook.com	deliver
4/14/2020 13:40	Black Sands Development Group PLLC	blacksandsdg@outlook.com	deliver
4/17/2020 17:08	Black Sands Development Group PLLC	blacksandsdg@outlook.com	deliver
4/30/2020 15:31	Black Sands Development Group PLLC	blacksandsdg@outlook.com	deliver

DateAdded	CompanyName	EmailAddress	EventType
4/30/2020 15:31	Black Sands Development Group PLLC	blacksandsdg@outlook.com	deliver
3/30/2020 9:41	BLD Services. LLC	gordon@bldllc.net	deliver
4/1/2020 16:47	BLD Services. LLC	gordon@bldllc.net	deliver
4/2/2020 15:37	BLD Services. LLC	gordon@bldllc.net	deliver
4/6/2020 9:20	BLD Services. LLC	gordon@bldllc.net	deliver
4/14/2020 13:36	BLD Services. LLC	gordon@bldllc.net	deliver
4/14/2020 13:40	BLD Services. LLC	gordon@bldllc.net	deliver
4/17/2020 17:08	BLD Services. LLC	gordon@bldllc.net	deliver
4/30/2020 15:31	BLD Services. LLC	gordon@bldllc.net	deliver
4/30/2020 15:31	BLD Services. LLC	gordon@bldllc.net	deliver
3/30/2020 9:40	BLD Services. LLC	Markd@bldllc.net	deliver
4/1/2020 16:47	BLD Services. LLC	Markd@bldllc.net	deliver
4/2/2020 15:37	BLD Services. LLC	Markd@bldllc.net	deliver
4/6/2020 9:20	BLD Services. LLC	Markd@bldllc.net	deliver
4/14/2020 13:36	BLD Services. LLC	Markd@bldllc.net	deliver
4/14/2020 13:40	BLD Services. LLC	Markd@bldllc.net	deliver
4/17/2020 17:08	BLD Services. LLC	Markd@bldllc.net	deliver
4/30/2020 15:31	BLD Services. LLC	Markd@bldllc.net	deliver
4/30/2020 15:31	BLD Services. LLC	Markd@bldllc.net	deliver
3/30/2020 9:40	Blue Cypress Consulting LLC	candice.scale@bluecypress-consulting.com	deliver
4/1/2020 16:47	Blue Cypress Consulting LLC	candice.scale@bluecypress-consulting.com	deliver
4/2/2020 15:38	Blue Cypress Consulting LLC	candice.scale@bluecypress-consulting.com	deliver
4/6/2020 9:20	Blue Cypress Consulting LLC	candice.scale@bluecypress-consulting.com	deliver
4/14/2020 13:36	Blue Cypress Consulting LLC	candice.scale@bluecypress-consulting.com	deliver
4/14/2020 13:40	Blue Cypress Consulting LLC	candice.scale@bluecypress-consulting.com	deliver
4/17/2020 17:08	Blue Cypress Consulting LLC	candice.scale@bluecypress-consulting.com	deliver
4/30/2020 15:31	Blue Cypress Consulting LLC	candice.scale@bluecypress-consulting.com	deliver
4/30/2020 15:31	Blue Cypress Consulting LLC	candice.scale@bluecypress-consulting.com	deliver
3/30/2020 9:40	Blue Cypress Consulting LLC	caroline.evans@bluecypress-consulting.com	n deliver
4/1/2020 16:47	Blue Cypress Consulting LLC	caroline.evans@bluecypress-consulting.com	n deliver
4/2/2020 15:37	Blue Cypress Consulting LLC	caroline.evans@bluecypress-consulting.com	
4/6/2020 9:20	Blue Cypress Consulting LLC	caroline.evans@bluecypress-consulting.com	
4/14/2020 13:36	Blue Cypress Consulting LLC	caroline.evans@bluecypress-consulting.com	n deliver

#### DateAdded

4/14/2020 13:40 4/17/2020 17:08 4/30/2020 15:31 4/30/2020 15:31 3/30/2020 9:41 4/1/2020 16:47 4/2/2020 15:38 4/6/2020 9:20 4/14/2020 13:37 4/14/2020 13:41 4/17/2020 17:08 4/30/2020 15:31 4/30/2020 15:31 3/30/2020 9:40 4/1/2020 16:47 4/2/2020 15:37 4/6/2020 9:20 4/14/2020 13:36 4/14/2020 13:40 4/17/2020 17:08 4/30/2020 15:31 4/30/2020 15:31 4/14/2020 13:36 4/14/2020 13:40 4/17/2020 17:08 4/30/2020 15:31 4/30/2020 15:31 3/30/2020 9:41 4/1/2020 16:47 4/2/2020 15:37 4/6/2020 9:20 4/14/2020 13:36 4/14/2020 13:40

#### CompanyName

Blue Cypress Consulting LLC Blue Cypress Consulting LLC Blue Cypress Consulting LLC Blue Cypress Consulting LLC **Blue Team Restoration Blue Team Restoration Blue Team Restoration Blue Team Restoration Blue Team Restoration** Blue Team Restoration Blue Team Restoration **Blue Team Restoration** Blue Team Restoration **BRW Construction Group LLC BRW Construction Group LLC** BRW Construction Group LLC BRW Construction Group LLC BRW Construction Group LLC **BRW Construction Group LLC** BRW Construction Group LLC BRW Construction Group LLC **BRW Construction Group LLC** City of Daytona Beach Fl Crossroads Site Development LLC Crossroads Site Development LLC

#### EmailAddress

caroline.evans@bluecypress-consulting.com deliver caroline.evans@bluecypress-consulting.com deliver caroline.evans@bluecypress-consulting.com deliver caroline.evans@bluecypress-consulting.com deliver Jrobards@bbmkcontracting.com deliver Jrobards@bbmkcontracting.com deliver Jrobards@bbmkcontracting.com deliver Jrobards@bbmkcontracting.com deliver deliver Jrobards@bbmkcontracting.com Jrobards@bbmkcontracting.com deliver Jrobards@bbmkcontracting.com deliver Jrobards@bbmkcontracting.com deliver Jrobards@bbmkcontracting.com deliver deliver janet@brwconstruction.com janet@brwconstruction.com deliver janet@brwconstruction.com deliver deliver janet@brwconstruction.com janet@brwconstruction.com deliver janet@brwconstruction.com deliver janet@brwconstruction.com deliver deliver janet@brwconstruction.com deliver janet@brwconstruction.com deliver cheneyjack@codb.us cheneyjack@codb.us deliver cheneyjack@codb.us deliver cheneyjack@codb.us deliver cheneyjack@codb.us deliver crossroadsdu@aol.com deliver crossroadsdu@aol.com deliver deliver crossroadsdu@aol.com deliver crossroadsdu@aol.com crossroadsdu@aol.com deliver deliver crossroadsdu@aol.com

#### EventType

## DateAdded 4/17/2020 17:08 4/30/2020 15:31 4/30/2020 15:31 3/30/2020 9:40 4/1/2020 16:47 4/2/2020 15:38 4/6/2020 9:20 4/14/2020 13:36 4/14/2020 13:40 4/17/2020 17:08 4/30/2020 15:31 4/30/2020 15:31 3/30/2020 9:40 4/1/2020 16:47 4/2/2020 15:37 4/6/2020 9:20 4/14/2020 13:36 4/14/2020 13:40 4/17/2020 17:08 4/30/2020 15:31 4/30/2020 15:31 3/30/2020 9:40 4/1/2020 16:47 4/2/2020 15:37 4/6/2020 9:20 4/14/2020 13:36 4/14/2020 13:43 4/17/2020 17:08 4/30/2020 15:31 4/30/2020 15:31 4/14/2020 13:36 4/14/2020 13:40 4/17/2020 17:08

## CompanyName Crossroads Site Development LLC Danus Utilities Inc. **Diversified Infrastructure Services Diversified Infrastructure Services Eagle Dynamic Solutions Eagle Dynamic Solutions** Eagle Dynamic Solutions

#### EmailAddress

EventType deliver crossroadsdu@aol.com deliver crossroadsdu@aol.com crossroadsdu@aol.com deliver taylorandbj@aol.com deliver taylorandbj@aol.com deliver deliver taylorandbj@aol.com taylorandbj@aol.com deliver taylorandbj@aol.com deliver taylorandbj@aol.com deliver taylorandbj@aol.com deliver taylorandbj@aol.com deliver taylorandbj@aol.com deliver robert@danusutilities.com deliver deliver robert@danusutilities.com deliver robert@danusutilities.com robert@danusutilities.com deliver robert@danusutilities.com deliver robert@danusutilities.com deliver robert@danusutilities.com deliver robert@danusutilities.com deliver deliver robert@danusutilities.com deliver Ircummin@disinc.us deliver Ircummin@disinc.us Ircummin@disinc.us deliver Ircummin@disinc.us deliver Ircummin@disinc.us deliver Ircummin@disinc.us deliver Ircummin@disinc.us deliver deliver Ircummin@disinc.us deliver Ircummin@disinc.us mcawley@eagledynamicsolutions.com deliver mcawley@eagledynamicsolutions.com deliver deliver mcawley@eagledynamicsolutions.com

#### DateAdded

## 4/30/2020 15:31 4/30/2020 15:31 3/30/2020 9:41 4/1/2020 16:47 4/2/2020 15:38 4/6/2020 9:20 4/14/2020 13:37 4/14/2020 13:41 4/17/2020 17:08 4/30/2020 15:31 4/30/2020 15:31 3/30/2020 9:41 4/1/2020 16:47 4/2/2020 15:38 4/6/2020 9:20 4/14/2020 13:37 4/14/2020 13:41 4/17/2020 17:08 4/30/2020 15:31 4/30/2020 15:31 4/14/2020 13:36 4/14/2020 13:40 4/17/2020 17:08 4/30/2020 15:31 4/30/2020 15:31 4/14/2020 13:36 4/14/2020 13:40 4/17/2020 17:08 4/30/2020 15:31 4/30/2020 15:31 4/14/2020 13:36 4/14/2020 13:40

4/17/2020 17:08

#### CompanyName

**Eagle Dynamic Solutions Eagle Dynamic Solutions** Economy Electric Company **Economy Electric Company Economy Electric Company Economy Electric Company Economy Electric Company** Economy Electric Company **Economy Electric Company** Economy Electric Company Economy Electric Company **Economy Electric Company Economy Electric Company Economy Electric Company Economy Electric Company** Economy Electric Company Eric Smith Eric Smith Eric Smith Eric Smith Eric Smith Florida Design Contractors Inc. Florida Design Contractors Inc. Florida Design Contractors Inc.

#### EmailAddress

mcawley@eagledynamicsolutions.com mcawley@eagledynamicsolutions.com anncarter@economyelectricco.com anncarter@economyelectricco.com anncarter@economyelectricco.com anncarter@economyelectricco.com anncarter@economyelectricco.com anncarter@economyelectricco.com anncarter@economyelectricco.com anncarter@economyelectricco.com anncarter@economyelectricco.com billywigginsjr@economyelectricco.com billywigginsjr@economyelectricco.com billywigginsjr@economyelectricco.com billywigginsjr@economyelectricco.com billywigginsjr@economyelectricco.com billywigginsjr@economyelectricco.com billywigginsjr@economyelectricco.com billywigginsjr@economyelectricco.com billywigginsjr@economyelectricco.com smitheric@codb.us smitheric@codb.us smitheric@codb.us smitheric@codb.us smitheric@codb.us bids@floridadesigncontractors.com bids@floridadesigncontractors.com bids@floridadesigncontractors.com bids@floridadesigncontractors.com bids@floridadesigncontractors.com bids@floridadesigncontractors.com bids@floridadesigncontractors.com bids@floridadesigncontractors.com

EventType

deliver deliver

DateAdded	CompanyNa
4/30/2020 15:31	Florida Desig
4/30/2020 15:31	Florida Desig
3/30/2020 9:40	grundfos.cor
4/1/2020 16:47	grundfos.cor
4/2/2020 15:37	grundfos.cor
4/6/2020 9:20	grundfos.cor
4/14/2020 13:36	grundfos.cor
4/14/2020 13:40	grundfos.cor
4/17/2020 17:08	grundfos.cor
4/30/2020 15:31	grundfos.cor
4/30/2020 15:31	grundfos.cor
3/30/2020 9:41	Insituform T
4/1/2020 16:47	Insituform T
4/2/2020 15:37	Insituform T
4/6/2020 9:20	Insituform T
4/14/2020 13:36	Insituform T
4/14/2020 13:40	Insituform T
4/17/2020 17:08	Insituform T
4/30/2020 15:31	Insituform T
4/30/2020 15:31	Insituform T
3/30/2020 9:41	IPR Southeas
4/1/2020 16:47	IPR Southeas
4/2/2020 15:38	IPR Southeas
4/6/2020 9:20	IPR Southeas
4/14/2020 13:36	IPR Southeas
4/14/2020 13:40	IPR Southeas
4/17/2020 17:08	IPR Southeas
4/30/2020 15:31	IPR Southeas
4/30/2020 15:31	IPR Southeas
4/14/2020 13:36	Jack Cheney
4/14/2020 13:40	Jack Cheney
4/17/2020 17:08	Jack Cheney
4/30/2020 15:31	Jack Cheney

anyName Design Contractors Inc. Design Contractors Inc. os.com fos.com fos.com fos.com fos.com fos.com fos.com os.com fos.com orm Technologies LLC form Technologies LLC orm Technologies LLC orm Technologies LLC form Technologies LLC utheast utheast utheast utheast utheast utheast utheast utheast utheast heney heney heney

#### **EmailAddress** EventType bids@floridadesigncontractors.com deliver bids@floridadesigncontractors.com deliver deliver grundfosfl@outlook.com grundfosfl@outlook.com deliver draymond@aegion.com deliver draymond@aegion.com deliver draymond@aegion.com deliver draymond@aegion.com deliver draymond@aegion.com deliver deliver draymond@aegion.com draymond@aegion.com deliver draymond@aegion.com deliver draymond@aegion.com deliver jcrowe@teamipr.com deliver deliver jcrowe@teamipr.com jcrowe@teamipr.com deliver deliver cheneyjack@codb.us deliver cheneyjack@codb.us cheneyjack@codb.us deliver deliver cheneyjack@codb.us

DateAdded	CompanyName	EmailAddress	EventType
4/30/2020 15:31	Jack Cheney	cheneyjack@codb.us	deliver
3/30/2020 9:40	KDL Underground & Development Inc.	keri.kdl@yahoo.com	deliver
4/1/2020 16:47	KDL Underground & Development Inc.	keri.kdl@yahoo.com	deliver
4/2/2020 15:37	KDL Underground & Development Inc.	keri.kdl@yahoo.com	deliver
4/6/2020 9:20	KDL Underground & Development Inc.	keri.kdl@yahoo.com	deliver
4/14/2020 13:36	KDL Underground & Development Inc.	keri.kdl@yahoo.com	deliver
4/14/2020 13:40	KDL Underground & Development Inc.	keri.kdl@yahoo.com	deliver
4/17/2020 17:08	KDL Underground & Development Inc.	keri.kdl@yahoo.com	deliver
4/30/2020 15:31	KDL Underground & Development Inc.	keri.kdl@yahoo.com	deliver
4/30/2020 15:31	KDL Underground & Development Inc.	keri.kdl@yahoo.com	deliver
4/14/2020 13:36	L7 Construction	blefever@l7constructs.com	deliver
4/14/2020 13:40	L7 Construction	blefever@l7constructs.com	deliver
4/17/2020 17:08	L7 Construction	blefever@l7constructs.com	deliver
4/30/2020 15:31	L7 Construction	blefever@l7constructs.com	deliver
4/30/2020 15:31	L7 Construction	blefever@l7constructs.com	deliver
4/14/2020 13:36	L7 Construction Inc.	blefever@l7constructs.com	deliver
4/14/2020 13:40	L7 Construction Inc.	blefever@l7constructs.com	deliver
4/17/2020 17:08	L7 Construction Inc.	blefever@l7constructs.com	deliver
4/30/2020 15:31	L7 Construction Inc.	blefever@I7constructs.com	deliver
4/30/2020 15:31	L7 Construction Inc.	blefever@l7constructs.com	deliver
3/30/2020 9:40	LEADEX CORPORATION	frank@leadexcorp.com	deliver
4/1/2020 16:47	LEADEX CORPORATION	frank@leadexcorp.com	deliver
4/2/2020 15:37	LEADEX CORPORATION	frank@leadexcorp.com	deliver
4/6/2020 9:20	LEADEX CORPORATION	frank@leadexcorp.com	deliver
4/14/2020 13:36	LEADEX CORPORATION	frank@leadexcorp.com	deliver
4/14/2020 13:40	LEADEX CORPORATION	frank@leadexcorp.com	deliver
4/17/2020 17:08	LEADEX CORPORATION	frank@leadexcorp.com	deliver
4/30/2020 15:31	LEADEX CORPORATION	frank@leadexcorp.com	deliver
4/30/2020 15:31	LEADEX CORPORATION	frank@leadexcorp.com	deliver
3/30/2020 9:41	LEADEX CORPORATION	nelson@leadexcorp.com	deliver
4/1/2020 16:47	LEADEX CORPORATION	nelson@leadexcorp.com	deliver
4/2/2020 15:37	LEADEX CORPORATION	nelson@leadexcorp.com	deliver
4/6/2020 9:20	LEADEX CORPORATION	nelson@leadexcorp.com	deliver

DateAdded	CompanyNama	EmailAddress
4/14/2020 13:36	CompanyName LEADEX CORPORATION	
		nelson@leadexcorp.com
4/14/2020 13:40		nelson@leadexcorp.com
4/17/2020 17:08		nelson@leadexcorp.com
4/30/2020 15:31	LEADEX CORPORATION	nelson@leadexcorp.com
4/30/2020 15:31	LEADEX CORPORATION	nelson@leadexcorp.com
4/14/2020 13:36	McMahan Construction	jjustus@mcmahanfl.com
4/14/2020 13:40	McMahan Construction	jjustus@mcmahanfl.com
4/17/2020 17:08	McMahan Construction	jjustus@mcmahanfl.com
4/30/2020 15:31	McMahan Construction	jjustus@mcmahanfl.com
4/30/2020 15:31	McMahan Construction	jjustus@mcmahanfl.com
4/14/2020 13:36	McMahan Construction Co. Inc.	jjustus@mcmahanfl.com
4/14/2020 13:40	McMahan Construction Co. Inc.	jjustus@mcmahanfl.com
4/17/2020 17:08	McMahan Construction Co. Inc.	jjustus@mcmahanfl.com
4/30/2020 15:31	McMahan Construction Co. Inc.	jjustus@mcmahanfl.com
4/30/2020 15:31	McMahan Construction Co. Inc.	jjustus@mcmahanfl.com
3/30/2020 9:40	Mead & Hunt	erika.lustik@meadhunt.com
4/1/2020 16:47	Mead & Hunt	erika.lustik@meadhunt.com
4/2/2020 15:37	Mead & Hunt	erika.lustik@meadhunt.com
4/6/2020 9:20	Mead & Hunt	erika.lustik@meadhunt.com
4/14/2020 13:36	Mead & Hunt	erika.lustik@meadhunt.com
4/14/2020 13:40	Mead & Hunt	erika.lustik@meadhunt.com
4/17/2020 17:08	Mead & Hunt	erika.lustik@meadhunt.com
4/30/2020 15:31	Mead & Hunt	erika.lustik@meadhunt.com
4/30/2020 15:31	Mead & Hunt	erika.lustik@meadhunt.com
3/30/2020 9:41	OliverSperry Renovation	tboyer@oliversperryrenovation.com
4/1/2020 16:47	OliverSperry Renovation	tboyer@oliversperryrenovation.com
4/2/2020 15:37	OliverSperry Renovation	tboyer@oliversperryrenovation.com
4/6/2020 9:20	OliverSperry Renovation	tboyer@oliversperryrenovation.com
4/14/2020 13:36	OliverSperry Renovation	tboyer@oliversperryrenovation.com
4/14/2020 13:40	OliverSperry Renovation	tboyer@oliversperryrenovation.com
4/17/2020 17:08	OliverSperry Renovation	tboyer@oliversperryrenovation.com
4/30/2020 15:31	OliverSperry Renovation	tboyer@oliversperryrenovation.com
4/30/2020 15:31	OliverSperry Renovation	tboyer@oliversperryrenovation.com
-		

deliver deliver

EventType deliver

DateAdded	CompanyName	EmailAddress	EventType
4/14/2020 13:36	PC Construction	jdehart@pcconstruction.com	deliver
4/14/2020 13:40	PC Construction	jdehart@pcconstruction.com	deliver
4/17/2020 17:08	PC Construction	jdehart@pcconstruction.com	deliver
4/30/2020 15:31	PC Construction	jdehart@pcconstruction.com	deliver
4/30/2020 15:31	PC Construction	jdehart@pcconstruction.com	deliver
4/14/2020 13:36	Petticoat-Schmitt Civil Contractors	jfisher@petticoatschmitt.com	deliver
4/14/2020 13:40	Petticoat-Schmitt Civil Contractors	jfisher@petticoatschmitt.com	deliver
4/17/2020 17:08	Petticoat-Schmitt Civil Contractors	jfisher@petticoatschmitt.com	deliver
4/30/2020 15:31	Petticoat-Schmitt Civil Contractors	jfisher@petticoatschmitt.com	deliver
4/30/2020 15:31	Petticoat-Schmitt Civil Contractors	jfisher@petticoatschmitt.com	deliver
4/14/2020 13:36	Prime Construction Group	mallen@primeconstructiongroup.com	deliver
4/14/2020 13:40	Prime Construction Group	mallen@primeconstructiongroup.com	deliver
4/17/2020 17:08	Prime Construction Group	mallen@primeconstructiongroup.com	deliver
4/30/2020 15:31	Prime Construction Group	mallen@primeconstructiongroup.com	deliver
4/30/2020 15:31	Prime Construction Group	mallen@primeconstructiongroup.com	deliver
3/30/2020 9:40	PW Hearn Inc	pwhearninc@bellsouth.net	deliver
4/1/2020 16:47	PW Hearn Inc	pwhearninc@bellsouth.net	deliver
4/2/2020 15:37	PW Hearn Inc	pwhearninc@bellsouth.net	deliver
4/6/2020 9:20	PW Hearn Inc	pwhearninc@bellsouth.net	deliver
4/14/2020 13:36	PW Hearn Inc	pwhearninc@bellsouth.net	deliver
4/14/2020 13:40	PW Hearn Inc	pwhearninc@bellsouth.net	deliver
4/17/2020 17:08	PW Hearn Inc	pwhearninc@bellsouth.net	deliver
4/30/2020 15:31	PW Hearn Inc	pwhearninc@bellsouth.net	deliver
4/30/2020 15:31	PW Hearn Inc	pwhearninc@bellsouth.net	deliver
3/30/2020 9:40	PW Hearn Inc	randygpwhinc@bellsouth.net	deliver
4/1/2020 16:47	PW Hearn Inc	randygpwhinc@bellsouth.net	deliver
4/2/2020 15:37	PW Hearn Inc	randygpwhinc@bellsouth.net	deliver
4/6/2020 9:20	PW Hearn Inc	randygpwhinc@bellsouth.net	deliver
4/14/2020 13:36	PW Hearn Inc	randygpwhinc@bellsouth.net	deliver
4/14/2020 13:40	PW Hearn Inc	randygpwhinc@bellsouth.net	deliver
4/17/2020 17:08	PW Hearn Inc	randygpwhinc@bellsouth.net	deliver
4/30/2020 15:31	PW Hearn Inc	randygpwhinc@bellsouth.net	deliver
4/30/2020 15:31	PW Hearn Inc	randygpwhinc@bellsouth.net	deliver

DateAdded	CompanyName	EmailAddress	EventType
3/30/2020 9:41	R. Roese Contracting Co. Inc.	rpstoner@outlook.com	deliver
4/1/2020 16:47	R. Roese Contracting Co. Inc.	rpstoner@outlook.com	deliver
4/2/2020 15:37	R. Roese Contracting Co. Inc.	rpstoner@outlook.com	deliver
4/6/2020 9:20	R. Roese Contracting Co. Inc.	rpstoner@outlook.com	deliver
4/14/2020 13:36	R. Roese Contracting Co. Inc.	rpstoner@outlook.com	deliver
4/14/2020 13:40	R. Roese Contracting Co. Inc.	rpstoner@outlook.com	deliver
4/17/2020 17:08	R. Roese Contracting Co. Inc.	rpstoner@outlook.com	deliver
4/30/2020 15:31	R. Roese Contracting Co. Inc.	rpstoner@outlook.com	deliver
4/30/2020 15:31	R. Roese Contracting Co. Inc.	rpstoner@outlook.com	deliver
3/30/2020 9:41	R. Roese Contracting Co. Inc.	stoner@rroese.com	deliver
4/1/2020 16:47	R. Roese Contracting Co. Inc.	stoner@rroese.com	deliver
4/2/2020 15:38	R. Roese Contracting Co. Inc.	stoner@rroese.com	deliver
4/6/2020 9:20	R. Roese Contracting Co. Inc.	stoner@rroese.com	deliver
4/14/2020 13:36	R. Roese Contracting Co. Inc.	stoner@rroese.com	deliver
4/14/2020 13:40	R. Roese Contracting Co. Inc.	stoner@rroese.com	deliver
4/17/2020 17:08	R. Roese Contracting Co. Inc.	stoner@rroese.com	deliver
4/30/2020 15:31	R. Roese Contracting Co. Inc.	stoner@rroese.com	deliver
4/30/2020 15:31	R. Roese Contracting Co. Inc.	stoner@rroese.com	deliver
3/30/2020 9:40	Recreational Design & Construction Inc	c. info@rdcdesignbuild.com	deliver
4/1/2020 16:47	Recreational Design & Construction Ind	c. info@rdcdesignbuild.com	deliver
4/2/2020 15:39	Recreational Design & Construction Inc	c. info@rdcdesignbuild.com	deliver
4/6/2020 9:20	Recreational Design & Construction Inc	c. info@rdcdesignbuild.com	deliver
4/14/2020 13:36	Recreational Design & Construction Inc	c. info@rdcdesignbuild.com	deliver
4/14/2020 13:40	Recreational Design & Construction Inc	c. info@rdcdesignbuild.com	deliver
4/17/2020 17:08	Recreational Design & Construction Inc	c. info@rdcdesignbuild.com	deliver
4/30/2020 15:31	Recreational Design & Construction Inc	c. info@rdcdesignbuild.com	deliver
4/30/2020 15:31	Recreational Design & Construction Inc	c. info@rdcdesignbuild.com	deliver
4/14/2020 13:36	Revere Control Systems	jmead@reverecontrol.com	deliver
4/14/2020 13:40	Revere Control Systems	jmead@reverecontrol.com	deliver
4/17/2020 17:08	Revere Control Systems	jmead@reverecontrol.com	deliver
4/30/2020 15:31	Revere Control Systems	jmead@reverecontrol.com	deliver
4/30/2020 15:31	Revere Control Systems	jmead@reverecontrol.com	deliver
4/14/2020 13:36	Revere Control Systems Inc	jmead@reverecontrol.com	deliver

DateAdded	CompanyName	EmailA
4/14/2020 13:40	Revere Control Systems Inc	jmead@
4/17/2020 17:08	Revere Control Systems Inc	jmead@
4/30/2020 15:31	Revere Control Systems Inc	jmead@
4/30/2020 15:31	Revere Control Systems Inc	jmead@
4/14/2020 13:36	SAWCROSS INC	christin
4/14/2020 13:40	Sawcross Inc	christin
4/17/2020 17:08	Sawcross Inc	christin
4/30/2020 15:31	SAWCROSS INC	christin
4/30/2020 15:31	Sawcross Inc	christin
4/14/2020 13:40	SAWCROSS INC	markh(
4/17/2020 17:08	SAWCROSS INC	markh(
4/30/2020 15:31	SAWCROSS INC	markh(
4/30/2020 15:31	SAWCROSS INC	markh(
4/14/2020 13:40	Sawcross Inc.	markh(
4/17/2020 17:08	Sawcross Inc.	markh(
4/30/2020 15:31	Sawcross Inc.	markh(
4/30/2020 15:31	Sawcross Inc.	markh(
4/14/2020 13:40	Schwing Bioset/Revinu	teaton
4/17/2020 17:08	Schwing Bioset/Revinu	teaton
4/30/2020 15:31	Schwing Bioset/Revinu	teaton
4/30/2020 15:31	Schwing Bioset/Revinu	teaton
4/14/2020 13:40	SGS Contracting Services Inc	seth@s
4/17/2020 17:08	SGS Contracting Services Inc	seth@s
4/30/2020 15:31	SGS Contracting Services Inc	seth@s
4/30/2020 15:31	SGS Contracting Services Inc	seth@s
4/14/2020 13:40	SGS Contracting Services Inc.	seth@s
4/17/2020 17:08	SGS Contracting Services Inc.	seth@s
4/30/2020 15:31	SGS Contracting Services Inc.	seth@s
4/30/2020 15:31	SGS Contracting Services Inc.	seth@s
3/30/2020 9:40	T B Landmark Construction Inc.	estimat
4/1/2020 16:47	T B Landmark Construction Inc.	estimat
4/2/2020 15:37	T B Landmark Construction Inc.	estimat
4/6/2020 9:20	T B Landmark Construction Inc.	estimat

nailAddress	EventType
nead@reverecontrol.com	deliver
ristinap@sawcross.com	deliver
arkh@sawcross.com	deliver
aton@schwingbioset.com	deliver
th@sgscsi.com	deliver
timating@tblandmark.com	deliver

DateAdded	CompanyName	
4/14/2020 13:36	T B Landmark Construction	Inc.
4/14/2020 13:40	T B Landmark Construction	Inc.
4/17/2020 17:08	T B Landmark Construction	Inc.
4/30/2020 15:31	T B Landmark Construction	Inc.
4/30/2020 15:31	T B Landmark Construction	Inc.
3/30/2020 9:40	T. Wayne Hill Trucking	
4/1/2020 16:47	T. Wayne Hill Trucking	
4/2/2020 15:38	T. Wayne Hill Trucking	
4/6/2020 9:20	T. Wayne Hill Trucking	
4/14/2020 13:36	T. Wayne Hill Trucking	
4/14/2020 13:40	T. Wayne Hill Trucking	
4/17/2020 17:08	T. Wayne Hill Trucking	
4/30/2020 15:31	T. Wayne Hill Trucking	
4/30/2020 15:31	T. Wayne Hill Trucking	
3/30/2020 9:41	T. Wayne Hill Trucking	
4/1/2020 16:47	T. Wayne Hill Trucking	
4/2/2020 15:37	T. Wayne Hill Trucking	
4/6/2020 9:20	T. Wayne Hill Trucking	
4/14/2020 13:36	T. Wayne Hill Trucking	
4/14/2020 13:40	T. Wayne Hill Trucking	
4/17/2020 17:08	T. Wayne Hill Trucking	
4/30/2020 15:31	T. Wayne Hill Trucking	
4/30/2020 15:31	T. Wayne Hill Trucking	
4/17/2020 17:08	TLC Diversified	
4/30/2020 15:31	TLC Diversified	
4/30/2020 15:31	TLC Diversified	
4/30/2020 15:31	TLC Diversified Inc.	
4/30/2020 15:31	TLC Diversified Inc.	
4/30/2020 15:31	TLC Diversified Inc.	
4/30/2020 15:31	TLC Diversified Inc.	
3/30/2020 9:40	Trane U.S. Inc.	
4/1/2020 16:47	Trane U.S. Inc.	
4/2/2020 15:37	Trane U.S. Inc.	

## **EmailAddress**

EventType estimating@tblandmark.com estimating@tblandmark.com estimating@tblandmark.com estimating@tblandmark.com estimating@tblandmark.com totermat@verizon.net totermat@verizon.net totermat@verizon.net totermat@verizon.net totermat@verizon.net totermat@verizon.net totermat@verizon.net totermat@verizon.net totermat@verizon.net twhtruckinginc@yahoo.com twhtruckinginc@yahoo.com twhtruckinginc@yahoo.com twhtruckinginc@yahoo.com twhtruckinginc@yahoo.com twhtruckinginc@yahoo.com twhtruckinginc@yahoo.com twhtruckinginc@yahoo.com twhtruckinginc@yahoo.com Imoore@tlcdiversified.com Imoore@tlcdiversified.com Imoore@tlcdiversified.com Imoore@tlcdiv.com Imoore@tlcdiv.com tlamberson@tlcdiv.com tlamberson@tlcdiv.com jtaki@trane.com jtaki@trane.com jtaki@trane.com

deliver deliver

DateAdded	CompanyName	EmailAddress	EventType
4/6/2020 9:20	Trane U.S. Inc.	jtaki@trane.com	deliver
4/14/2020 13:36	Trane U.S. Inc.	jtaki@trane.com	deliver
4/14/2020 13:40	Trane U.S. Inc.	jtaki@trane.com	deliver
4/17/2020 17:08	Trane U.S. Inc.	jtaki@trane.com	deliver
4/30/2020 15:31	Trane U.S. Inc.	jtaki@trane.com	deliver
4/30/2020 15:31	Trane U.S. Inc.	jtaki@trane.com	deliver
3/30/2020 9:41	Trane U.S. Inc.	mbakke@trane.com	deliver
4/1/2020 16:47	Trane U.S. Inc.	mbakke@trane.com	deliver
4/2/2020 15:37	Trane U.S. Inc.	mbakke@trane.com	deliver
4/6/2020 9:20	Trane U.S. Inc.	mbakke@trane.com	deliver
4/14/2020 13:36	Trane U.S. Inc.	mbakke@trane.com	deliver
4/14/2020 13:40	Trane U.S. Inc.	mbakke@trane.com	deliver
4/17/2020 17:08	Trane U.S. Inc.	mbakke@trane.com	deliver
4/30/2020 15:31	Trane U.S. Inc.	mbakke@trane.com	deliver
4/30/2020 15:31	Trane U.S. Inc.	mbakke@trane.com	deliver
3/30/2020 9:41	Treadstone Construction Inc.	ctreadstone.con@gmail.com	deliver
4/1/2020 16:47	Treadstone Construction Inc.	ctreadstone.con@gmail.com	deliver
4/2/2020 15:37	Treadstone Construction Inc.	ctreadstone.con@gmail.com	deliver
4/6/2020 9:20	Treadstone Construction Inc.	ctreadstone.con@gmail.com	deliver
4/14/2020 13:36	Treadstone Construction Inc.	ctreadstone.con@gmail.com	deliver
4/14/2020 13:40	Treadstone Construction Inc.	ctreadstone.con@gmail.com	deliver
4/17/2020 17:08	Treadstone Construction Inc.	ctreadstone.con@gmail.com	deliver
4/30/2020 15:31	Treadstone Construction Inc.	ctreadstone.con@gmail.com	deliver
4/30/2020 15:31	Treadstone Construction Inc.	ctreadstone.con@gmail.com	deliver
3/30/2020 9:40	Tremor Tech	bdavison@tremortech.com	deliver
4/1/2020 16:47	Tremor Tech	bdavison@tremortech.com	deliver
4/2/2020 15:37	Tremor Tech	bdavison@tremortech.com	deliver
4/6/2020 9:20	Tremor Tech	bdavison@tremortech.com	deliver
4/14/2020 13:36	Tremor Tech	bdavison@tremortech.com	deliver
4/14/2020 13:40	Tremor Tech	bdavison@tremortech.com	deliver
4/17/2020 17:08	Tremor Tech	bdavison@tremortech.com	deliver
4/30/2020 15:31	Tremor Tech	bdavison@tremortech.com	deliver
4/30/2020 15:31	Tremor Tech	bdavison@tremortech.com	deliver

DateAdded	CompanyName	EmailAddress	EventType
3/30/2020 9:41	Tribus Services	proposals@tribusservices.com	deliver
4/1/2020 16:47	Tribus Services	proposals@tribusservices.com	deliver
4/2/2020 15:37	Tribus Services	proposals@tribusservices.com	deliver
4/6/2020 9:20	Tribus Services	proposals@tribusservices.com	deliver
4/14/2020 13:36	Tribus Services	proposals@tribusservices.com	deliver
4/14/2020 13:40	Tribus Services	proposals@tribusservices.com	deliver
4/17/2020 17:08	Tribus Services	proposals@tribusservices.com	deliver
4/30/2020 15:31	Tribus Services	proposals@tribusservices.com	deliver
4/30/2020 15:31	Tribus Services	proposals@tribusservices.com	deliver
4/14/2020 13:40	US Water Services Corp	mmcconnell@uswatercorp.net	deliver
4/17/2020 17:08	US Water Services Corp	mmcconnell@uswatercorp.net	deliver
4/30/2020 15:31	US Water Services Corp	mmcconnell@uswatercorp.net	deliver
4/30/2020 15:31	US Water Services Corp	mmcconnell@uswatercorp.net	deliver
4/17/2020 17:08	Wharton Smith Inc.	dbragg@whartonsmith.com	deliver
4/30/2020 15:31	Wharton Smith Inc.	dbragg@whartonsmith.com	deliver
4/30/2020 15:31	Wharton Smith Inc.	dbragg@whartonsmith.com	deliver
4/17/2020 17:08	Wharton-Smith Inc.	dbragg@whartonsmith.com	deliver
4/30/2020 15:31	Wharton-Smith Inc.	dbragg@whartonsmith.com	deliver
4/30/2020 15:31	Wharton-Smith Inc.	dbragg@whartonsmith.com	deliver
3/30/2020 13:50	Black Sands Development Group PLLC	blacksandsdg@outlook.com	open
4/2/2020 12:15	Black Sands Development Group PLLC	blacksandsdg@outlook.com	open
4/3/2020 11:11	Black Sands Development Group PLLC	blacksandsdg@outlook.com	open
4/6/2020 9:44	Black Sands Development Group PLLC	blacksandsdg@outlook.com	open
4/14/2020 15:16	Black Sands Development Group PLLC	blacksandsdg@outlook.com	open
4/14/2020 15:16	Black Sands Development Group PLLC	blacksandsdg@outlook.com	open
4/20/2020 14:12	Black Sands Development Group PLLC	blacksandsdg@outlook.com	open
4/30/2020 15:43	Black Sands Development Group PLLC	blacksandsdg@outlook.com	open
4/30/2020 15:44	Black Sands Development Group PLLC	blacksandsdg@outlook.com	open
3/30/2020 10:39	BLD Services. LLC	gordon@bldllc.net	open
4/1/2020 16:48	BLD Services. LLC	gordon@bldllc.net	open
4/3/2020 3:22	BLD Services. LLC	gordon@bldllc.net	open
4/6/2020 9:28	BLD Services. LLC	gordon@bldllc.net	open
4/14/2020 13:51	BLD Services. LLC	gordon@bldllc.net	open

DateAdded	CompanyName	EmailAddress
4/14/2020 13:5		gordon@bldllc.net
4/17/2020 23:5		gordon@bldllc.net
4/30/2020 15:5		gordon@bldllc.net
4/30/2020 15:5		gordon@bldllc.net
3/30/2020 16:0	09 Crossroads Site Development L	LC crossroadsdu@aol.com
4/1/2020 18:53	B Crossroads Site Development L	LC crossroadsdu@aol.com
4/2/2020 17:02	2 Crossroads Site Development L	LC crossroadsdu@aol.com
4/6/2020 12:42	2 Crossroads Site Development L	LC crossroadsdu@aol.com
4/14/2020 17:1	L8 Crossroads Site Development L	LC crossroadsdu@aol.com
4/14/2020 17:1	L8 Crossroads Site Development L	LC crossroadsdu@aol.com
4/30/2020 19:5	57 Crossroads Site Development L	LC crossroadsdu@aol.com
4/30/2020 19:5	58 Crossroads Site Development L	LC crossroadsdu@aol.com
4/2/2020 15:39	Danus Utilities Inc.	robert@danusutilities.com
4/30/2020 15:3	32 Danus Utilities Inc.	robert@danusutilities.com
4/30/2020 16:2	23 Eagle Dynamic Solutions	mcawley@eagledynamicsolutions.com
4/15/2020 9:03	B Economy Electric Company	anncarter@economyelectricco.com
4/15/2020 9:04	Economy Electric Company	anncarter@economyelectricco.com
4/20/2020 9:53	B Economy Electric Company	anncarter@economyelectricco.com
4/28/2020 8:55	5 Economy Electric Company	anncarter@economyelectricco.com
4/28/2020 8:55	5 Economy Electric Company	anncarter@economyelectricco.com
4/28/2020 8:55	5 Economy Electric Company	anncarter@economyelectricco.com
4/28/2020 10:4	4 Economy Electric Company	anncarter@economyelectricco.com
4/30/2020 15:3	84 Economy Electric Company	anncarter@economyelectricco.com
4/30/2020 15:3	5 Economy Electric Company	anncarter@economyelectricco.com
3/31/2020 8:50	D Economy Electric Company	billywigginsjr@economyelectricco.com
4/6/2020 13:16	5 Economy Electric Company	billywigginsjr@economyelectricco.com
4/15/2020 9:23	B Economy Electric Company	billywigginsjr@economyelectricco.com
4/28/2020 8:58	8 Economy Electric Company	billywigginsjr@economyelectricco.com
5/1/2020 13:37	7 Economy Electric Company	billywigginsjr@economyelectricco.com
4/14/2020 14:4	I5 Eric Smith	smitheric@codb.us
4/14/2020 14:4	l6 Eric Smith	smitheric@codb.us
4/14/2020 13:4	4 Florida Design Contractors	bids@floridadesigncontractors.com
4/14/2020 13:4	18 Florida Design Contractors	bids@floridadesigncontractors.com

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open

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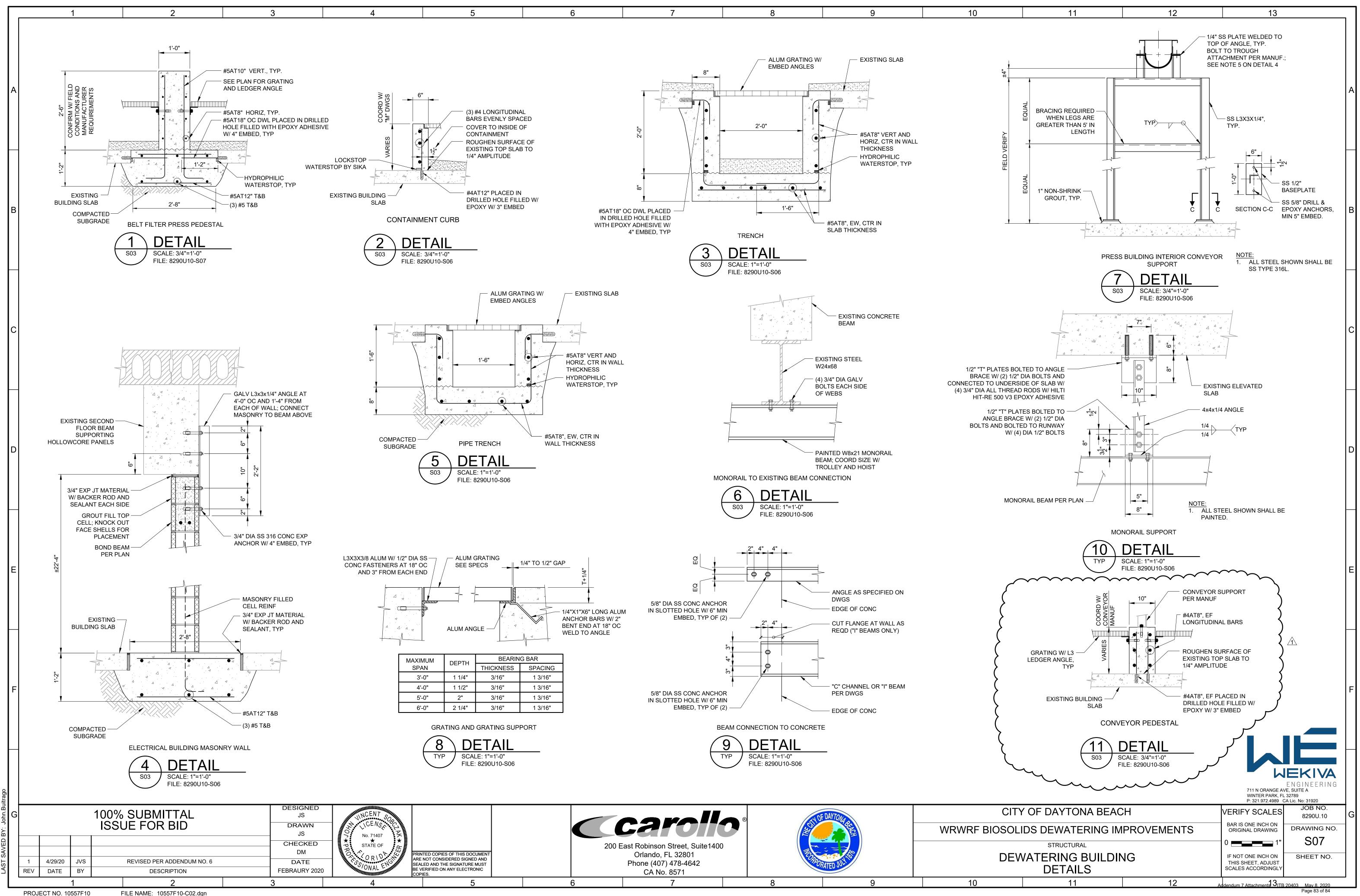
open open open

open

DateAdded	CompanyName	EmailAddress	EventType
4/20/2020 11:39	Florida Design Contractors	bids@floridadesigncontractors.com	open
4/30/2020 15:47	Florida Design Contractors	bids@floridadesigncontractors.com	open
4/30/2020 15:48	Florida Design Contractors	bids@floridadesigncontractors.com	open
4/14/2020 13:44	Florida Design Contractors Inc.	bids@floridadesigncontractors.com	open
4/14/2020 13:48	Florida Design Contractors Inc.	bids@floridadesigncontractors.com	open
4/20/2020 11:39	Florida Design Contractors Inc.	bids@floridadesigncontractors.com	open
4/30/2020 15:47	Florida Design Contractors Inc.	bids@floridadesigncontractors.com	open
4/30/2020 15:48	Florida Design Contractors Inc.	bids@floridadesigncontractors.com	open
4/21/2020 8:18	KDL Underground & Development Inc.	keri.kdl@yahoo.com	open
4/1/2020 17:22	LEADEX CORPORATION	frank@leadexcorp.com	open
4/14/2020 13:42	LEADEX CORPORATION	frank@leadexcorp.com	open
4/30/2020 15:54	LEADEX CORPORATION	frank@leadexcorp.com	open
3/31/2020 8:55	LEADEX CORPORATION	nelson@leadexcorp.com	open
4/1/2020 17:03	LEADEX CORPORATION	nelson@leadexcorp.com	open
4/2/2020 15:54	LEADEX CORPORATION	nelson@leadexcorp.com	open
4/6/2020 14:15	LEADEX CORPORATION	nelson@leadexcorp.com	open
4/14/2020 16:35	LEADEX CORPORATION	nelson@leadexcorp.com	open
4/14/2020 16:36	LEADEX CORPORATION	nelson@leadexcorp.com	open
4/30/2020 17:40	LEADEX CORPORATION	nelson@leadexcorp.com	open
4/30/2020 17:40	LEADEX CORPORATION	nelson@leadexcorp.com	open
4/20/2020 7:26	McMahan Construction	jjustus@mcmahanfl.com	open
4/21/2020 15:35	McMahan Construction	jjustus@mcmahanfl.com	open
4/23/2020 15:33	McMahan Construction	jjustus@mcmahanfl.com	open
5/1/2020 8:41	McMahan Construction	jjustus@mcmahanfl.com	open
5/1/2020 8:43	McMahan Construction	jjustus@mcmahanfl.com	open
4/20/2020 7:26	McMahan Construction Co. Inc.	jjustus@mcmahanfl.com	open
4/21/2020 15:35	McMahan Construction Co. Inc.	jjustus@mcmahanfl.com	open
4/23/2020 15:33	McMahan Construction Co. Inc.	jjustus@mcmahanfl.com	open
5/1/2020 8:41	McMahan Construction Co. Inc.	jjustus@mcmahanfl.com	open
5/1/2020 8:43	McMahan Construction Co. Inc.	jjustus@mcmahanfl.com	open
4/6/2020 12:00	OliverSperry Renovation	tboyer@oliversperryrenovation.com	open
4/14/2020 13:42	PC Construction	jdehart@pcconstruction.com	open
4/14/2020 13:42	PC Construction	jdehart@pcconstruction.com	open

DateAdded	CompanyName	EmailAddress	EventType
4/17/2020 17:09	PC Construction	jdehart@pcconstruction.com	open
3/30/2020 9:47	Recreational Design & Construction Inc.	info@rdcdesignbuild.com	open
4/30/2020 15:45	Recreational Design & Construction Inc.	info@rdcdesignbuild.com	open
4/30/2020 15:45	Recreational Design & Construction Inc.	info@rdcdesignbuild.com	open
4/14/2020 13:55	Revere Control Systems	jmead@reverecontrol.com	open
4/14/2020 13:56	Revere Control Systems	jmead@reverecontrol.com	open
4/17/2020 17:47	Revere Control Systems	jmead@reverecontrol.com	open
4/30/2020 16:59	Revere Control Systems	jmead@reverecontrol.com	open
4/30/2020 16:59	Revere Control Systems	jmead@reverecontrol.com	open
4/14/2020 13:55	Revere Control Systems Inc	jmead@reverecontrol.com	open
4/14/2020 13:56	Revere Control Systems Inc	jmead@reverecontrol.com	open
4/17/2020 17:47	Revere Control Systems Inc	jmead@reverecontrol.com	open
4/30/2020 16:59	Revere Control Systems Inc	jmead@reverecontrol.com	open
4/30/2020 16:59	Revere Control Systems Inc	jmead@reverecontrol.com	open
4/14/2020 13:41	SAWCROSS INC	christinap@sawcross.com	open
4/20/2020 7:45	SAWCROSS INC	christinap@sawcross.com	open
4/22/2020 8:17	Sawcross Inc	christinap@sawcross.com	open
4/30/2020 15:47	SAWCROSS INC	christinap@sawcross.com	open
4/30/2020 15:47	Sawcross Inc	christinap@sawcross.com	open
4/14/2020 13:46	SAWCROSS INC	markh@sawcross.com	open
4/17/2020 17:16	SAWCROSS INC	markh@sawcross.com	open
4/14/2020 13:46	Sawcross Inc.	markh@sawcross.com	open
4/17/2020 17:16	Sawcross Inc.	markh@sawcross.com	open
4/17/2020 16:20	Schwing Bioset/Revinu	teaton@schwingbioset.com	open
4/17/2020 17:18	Schwing Bioset/Revinu	teaton@schwingbioset.com	open
4/30/2020 15:46	Schwing Bioset/Revinu	teaton@schwingbioset.com	open
4/3/2020 7:08	T. Wayne Hill Trucking	totermat@verizon.net	open
4/14/2020 20:51	T. Wayne Hill Trucking	totermat@verizon.net	open
4/17/2020 17:14	T. Wayne Hill Trucking	totermat@verizon.net	open
4/30/2020 15:52	T. Wayne Hill Trucking	totermat@verizon.net	open
4/30/2020 15:52	T. Wayne Hill Trucking	totermat@verizon.net	open
4/2/2020 15:45	T. Wayne Hill Trucking	twhtruckinginc@yahoo.com	open
4/14/2020 13:46	T. Wayne Hill Trucking	twhtruckinginc@yahoo.com	open

DateAdded	CompanyName	EmailAddress	EventType
4/30/2020 16:15	T. Wayne Hill Trucking	twhtruckinginc@yahoo.com	open
5/1/2020 8:40	TLC Diversified	Imoore@tlcdiversified.com	open
5/1/2020 13:05	TLC Diversified Inc.	tlamberson@tlcdiv.com	open
4/1/2020 16:52	Trane U.S. Inc.	jtaki@trane.com	open
4/2/2020 15:46	Trane U.S. Inc.	jtaki@trane.com	open
3/30/2020 10:15	Tremor Tech	bdavison@tremortech.com	open
4/2/2020 16:06	Tremor Tech	bdavison@tremortech.com	open
4/6/2020 9:54	Tremor Tech	bdavison@tremortech.com	open
4/14/2020 14:13	Tremor Tech	bdavison@tremortech.com	open
4/14/2020 14:14	Tremor Tech	bdavison@tremortech.com	open
4/17/2020 18:59	Tremor Tech	bdavison@tremortech.com	open
4/30/2020 16:08	Tremor Tech	bdavison@tremortech.com	open
4/17/2020 22:55	Wharton Smith Inc.	dbragg@whartonsmith.com	open
4/30/2020 17:35	Wharton Smith Inc.	dbragg@whartonsmith.com	open
4/30/2020 17:35	Wharton Smith Inc.	dbragg@whartonsmith.com	open
4/17/2020 22:55	Wharton-Smith Inc.	dbragg@whartonsmith.com	open
4/30/2020 17:35	Wharton-Smith Inc.	dbragg@whartonsmith.com	open
4/30/2020 17:35	Wharton-Smith Inc.	dbragg@whartonsmith.com	open



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