

**GODFREY BROOK CAPACITY IMPROVEMENTS PROJECT
WEST STREET TO WATER STREET
TOWN OF MILFORD**

ADDENDUM NO. 1

April 8, 2025

TO ALL BIDDERS:

The original Project Drawings dated January 2025 and Project Manual dated March 2025, for the above-captioned project are amended as stated in this Addendum. Receipt of this Addendum shall be acknowledged by inserting Addendum Number and Addendum Date in the space provided on the Bid Form. This Addendum consists of **3** pages plus attachments as listed below.

ADDENDUM NO. 1, ITEM NO. 1

RESPONSES TO QUESTIONS:

1. Q (asked at Pre-Bid Conference): Have all project-abutting property owners been notified about the project and have they granted the Town permission to enter to conduct the work of the project?

A: All project-abutting property owners have been notified, and most have granted the Town the right-of-entry. The Town is currently reaching out to the remaining property owners to request right-of-entry and expects to have all permissions granted by the time an award of contract is made.

2. Q (asked at Pre-Bid Conference): A requirement in the Project Manual is that we are to name all the abutting property owners whose properties we will enter and work within be named as additional insured. This seems like an odd requirement and is it correct?

A: Yes. See Addendum No. 1, Item No. 2 for an updated list of property owners.

3. Q (asked at Pre-Bid Conference): It says in the 401 WQC permit that sediments are contaminated. Do you have testing data on the sediments?

A: Yes. See Attachment 3.

4. Q (asked at Pre-Bid Conference): There is information on the 100-year flood. Do you have data that you can share on more frequent, lower magnitude flood events like the 1-year and 2-year, etc.?

A: A USGS StreamStats report for the project drainage area is included at the end of Section 01566 – Hydraulic and Hydrologic Data and lists a range of Peak Flood flow estimates from 50% AEP (2-year) to 0.2% AEP (500-year).

GODFREY BROOK CAPACITY IMPROVEMENTS PROJECT
WEST STREET TO WATER STREET
TOWN OF MILFORD

5. Q (asked at Pre-Bid Conference): The Order of Conditions requires an as-built plan be prepared by a hydraulic engineer. Is this correct and, if so, are we required to hire such an engineer to prepare them?

A: As-Built plans will be prepared by the Town's Engineer, GZA GeoEnvironmental, Inc., based on Contractor-provided As-Built information. Bidders are directed to Section 01700 – Contract Closeout for Contractor's requirements for maintaining project records and to provide As-Built Data to the Engineer.

6. Q (asked at Pre-Bid Conference): The construction access shown on the drawings at Roberts Court is very narrow. Is that the only way to access the work in that reach of the brook?

A: No. Access will also be available to the west side of Godfrey Brook via 13 Draper Park. See Attachment 4.

7. Q (asked via email): Looks like the prevailing wage rates are missing from the bid package. Can you provide the Prevailing wage rates for this project?

A: Prevailing Wage Rates are provided in revised Section C-800, Supplementary Conditions of the Construction Contract in Attachment 5.

8. Q (asked via email): On the West St to Church St section there are many trees that are marked for "Tree Protection" is that correct? It seems like a lot of those trees will be impacted during construction.

A: The trees depicted on the Project Drawings to be protected were included in the permitting for the project and cannot be removed without review and approval by the permitting authorities.

9. Q (asked via email): Are cast in place expansion joints at every precast joint?

A: Yes. See Contract Drawing Sheet C-10, Detail E Typical Concrete U-Shaped Channel Detail.

ADDENDUM NO. 1, ITEM NO. 2

AMENDMENTS TO PROJECT MANUAL:

SECTION C-800, SUPPLEMENTARY CONDITIONS OF THE CONSTRUCTION CONTRACT

REPLACE in its entirety with revised **SECTION C-800, SUPPLEMENTARY CONDITIONS OF THE CONSTRUCTION CONTRACT** (See Attachment 5).

**GODFREY BROOK CAPACITY IMPROVEMENTS PROJECT
WEST STREET TO WATER STREET
TOWN OF MILFORD**

ATTACHMENTS

Attachment 1: PLAN HOLDERS LIST (as of 3/31/2025) (1 page)

Attachment 2: ATTENDANCE SHEET FROM MARCH 25, 2025, ON-SITE PRE-BID CONFERENCE (1 page)

Attachment 3: SEDIMENT SAMPLE ANALYSIS RESULTS AND SEDIMENT SAMPLING LOCATION MAP (49 pages)

Attachment 4: FIGURE 1 – ADDITIONAL TEMPORARY CONSTRUCTION ACCESS (1 page)

Attachment 5: SECTION C-800, SUPPLEMENTARY CONDITIONS OF THE CONSTRUCTION CONTRACT (19 pages plus Exhibits)

END OF ADDENDUM NO. 1

Attachment 1: PLAN HOLDERS LIST

**GODFREY BROOK CAPACITY IMPROVEMENTS PROJECT
MILFORD, MA**

PLAN HODERS LIST

| Company | Name | Email |
|---|-----------------------|--|
| Haluch Water Contracting, Inc. | Lindsay | haluchwater@yahoo.com |
| MAS Building & Bridge, Inc. | Jennifer Mackey | jmackey@masbuildingandbridge.com |
| FLYNN Enterprise Inc. | Paulo Medeiros | paulo@flynnwork.com |
| I.W. Harding Construction Co., Inc. | Brad Shalek | bshalek@iwharding.com |
| Northern Construction Service, LLC | Dulce Montana | dmontana@northernconstruction.com |
| Caracas Construction | | estimating@caracascorp.com |
| RVJ Construction | Abdirahman Kayse | estimating@rvjconstruction.com |
| Albanese Brothers Inc. | Dave Whitney | dwhitney@albanesebros.com |
| WES Construction Corp. | Kenneth Vogel | kvogel@wesconstructioncorp.com |
| N&M Excavating | Bob Murray | robert@nmexcavating.com |
| SumCo Eco Contracting | Tim Feliciano | tfeliciano@sumcoeco.com |
| Ricciardi Bros., Inc. | Lloyd Richards | lloyd@ricciardibrosinc.com |
| A.F. Amorello & Sons Inc. | Lori Prentiss | loriprentiss@afamorello.com |
| On Point Construction Services, LLC | Andrew Salois | asalois@onpointct.com |
| R. Zoppo Corp. | Alissa Romano | aromano@zoppo.com |
| Edward Paige Corporation | Tim Calabrese | tcabrese@edwardpaige.com |
| Blue Diamond Equipment Co., LLC | CC Mahoney | bluediamondcc@comcast.net |
| Aqua Line Utility | Hailey Barroso | hailey.barroso@aqualineutility.com |
| Brighter Horizons Environmental Corporation | Jennifer Laramie | jlaramie@bhenv.com |
| ET&L Corp | Jamie Lee | jlee@etlcorp.com |
| Tighe & Bond | Paula Guz | pguz@tighebond.com |
| Tighe & Bond | | masterusername@tighebond.com |
| P.J. Keating | Lindsey Kirouac | lindsey.kirouac@pjkeating.com |
| Commonwealth Construction & Utilities, Inc. | Christopher DeStefano | chris@ccuincma.com |
| Projectdog, Inc. | | addenda@projectdog.com |
| J.A. Polito & Sons, Inc. | Tammy Connors | tammyatjap@aol.com |
| T Ford Company, Inc. | Dan Galante | dan@tford.com |
| R. Bates & Sons, Inc. | Jason Houle | jason@rbatesconstruction.com |
| R. Zoppo Corp. | Stan Carter | scarter@zoppo.com |
| D&C Construction | Tricia McColgan | tricia@dccne.com |
| R. Zoppo Corp. | Michael DiVito | mdivito@zoppo.com |
| S&R Corporation | Donna Crumley | dcrumley@sandrcorp.com |
| constructconnect | Henri Bradshaw | henri.bradshaw@constructconnect.com |
| Ferreira Construction | Carl Eidam | ceidam@ferreiraconstruction.com |
| N. Granese & Sons, Inc. | John Granese | jgranese@ngranese.com |
| PEI Contractors | Moises Dias | mdias@pei-contractors.com |
| JAM Corporation | P.J. Tonelli | ptonelli@gamcorpma.com |
| | Moises Dias | mdias@petroleum-engineering.com |
| John Rocchio Corp | Joseph Godino | josephgodino@johnroccchiocorp.com |
| J. Bates and Son | Patrick Mahan | pmahan@batesandson.com |
| Maverick Construction Management Services, Inc. | Kathleen Joness | kjoness@maverick-cm.com |
| Garrity Asphalt Reclaiming, Inc. | Jesse Travers | jesse@garrityasphalt.com |

**Attachment 2: ATTENDANCE SHEET FROM MARCH 25, 2025,
ON-SITE PRE-BID CONFERENCE**

**Godfrey Brook Capacity Improvements
West Street to Water Street Project
9 Water Street, Milford, Massachusetts
Pre-Bid Conference
March 25, 2025- 10:00 AM
ATTENDANCE**

| <u>NAME</u> | <u>ORGANIZATION</u> | <u>ADDRESS</u> | <u>EMAIL</u> | <u>PHONE</u> |
|----------------------|-----------------------|---|---------------------------------------|--------------|
| Scott J. Crisafulli | Milford Highway | 30 Front St | scrisafulli@townofmilford.com | 508 473-1274 |
| Joe Abesamra | T Ford Company Inc | 124 Tenney Georgetown, MA | jabesamra@TFord.com | 978 971 1272 |
| Jason Houle | E. Bates and Sons | 140 PRATT AVENUE Rd STERLING, MA 01564 | JASON@EBATESCONSTRUCTION.COM | 978-333-1791 |
| Emmanuel Michaelidis | MAS Building & Bridge | 16 Sharon Ave N. Attle MA | emichaelidis@masbuildingandbridge.com | 508-520-2277 |
| Andrew Lambert | ET&L Corp | 875 Great Rd Stow, MA | alambert@etlcorp.com | 978-897-4353 |
| KEN STRAUER | ET&L Corp | 875 Great Road Stow | KSTRAUER@ETLCOOP.COM | 978-897-4553 |
| Abdirahman Kayse | RJV Construction | 1 UNIVERSITY AVE Westwood MA | estimating@RJVConstruction-CO2 | 781-821-1466 |
| Tim Kelly | J.A. Polito | 587C Hartford Turnpike Shrewsbury | KennyATJAPA@aol.com | 508-842-5300 |
| NAT ARAI | GZA | 1450 MAIN ST. #1400 SPRINGFIELD, MA 01107 | nathaniel.arai@gza.com | 413-726-2100 |
| | | | | |
| | | | | |
| | | | | |

**Attachment 3: SEDIMENT SAMPLE ANALYSIS RESULTS AND
SEDIMENT SAMPLING LOCATION MAP**

CERTIFICATE OF ANALYSIS

Rosalie Starvish
GZA GeoEnvironmental, Inc.
1350 Main Street, Suite 1400
Springfield, MA 01103

RE: Godfrey Brook Improvement 401 WQ (15.0167038.00)
ESS Laboratory Work Order Number: 24C0572

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this page, the entire report has been paginated. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been delivered. If you have any questions or concerns, please feel free to call our Customer Service Department.



Laurel Stoddard
Laboratory Director

REVIEWED

By ESS Laboratory at 5:12 pm, Mar 28, 2024

Analytical Summary

The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration is frequently used instead of automated integration because it produces more accurate results.

The test results present in this report are in compliance with TNI and relative state standards, and/or client Quality Assurance Project Plans (QAPP). The laboratory has reviewed the following: Sample Preservations, Hold Times, Initial Calibrations, Continuing Calibrations, Method Blanks, Blank Spikes, Blank Spike Duplicates, Duplicates, Matrix Spikes, Matrix Spike Duplicates, Surrogates and Internal Standards. Any results which were found to be outside of the recommended ranges stated in our SOPs will be noted in the Project Narrative.

Subcontracted Analyses

CTS - Cranston, RI

Grain Size Analysis

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.

Client Project ID: Godfrey Brook Improvement 401 WQ

ESS Laboratory Work Order: 24C0572

SAMPLE RECEIPT

The following samples were received on March 19, 2024 for the analyses specified on the enclosed Chain of Custody Record.

Sample ID(s) 24C0572-02 and 24C0572-04 for Metals were oven dried at 60 degrees Celsius prior to digestion and relogged in as Sample ID(s) 24C0572-05 and 24C0572-06. This was done to increase the dry weight of the sample digested which decreases variability of results and lowers the detection limits for samples with high water content.

Low Level VOA vials were frozen by client on 3/18/24 at 15:00.

| Lab Number | Sample Name | Matrix | Analysis |
|-------------------|--------------------|---------------|---|
| 24C0572-01 | SS-1A | Sediment | SUB |
| 24C0572-02 | SS-1B | Sediment | 2540G, 8082A Cong, 8260D Low, EPH8270, EPH8270SIM, LK, MADEP-EPH, SUB |
| 24C0572-03 | SS-2A | Sediment | SUB |
| 24C0572-04 | SS-2B | Sediment | 2540G, 8082A Cong, 8260D Low, EPH8270, EPH8270SIM, LK, MADEP-EPH, SUB |
| 24C0572-05 | SS-1B - Oven Dried | Sediment | 6010D, 7471B |
| 24C0572-06 | SS-2B - Oven Dried | Sediment | 6010D, 7471B |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.

Client Project ID: Godfrey Brook Improvement 401 WQ

ESS Laboratory Work Order: 24C0572

PROJECT NARRATIVE

Total Metals

DC42108-BSD1

Blank Spike recovery is below lower control limit (B-).

Arsenic (72% @ 73-127%), Chromium (74% @ 74-126%), Copper (75% @ 78-122%), Lead (71% @ 72-128%), Nickel (73% @ 75-125%), Zinc (69% @ 70-130%)

Volatile Organics Low Level

D4C0453-CCV1

Continuing Calibration %Diff/Drift is below control limit (CD-).

2,2-Dichloropropane (26% @ 20%), Tetrachloroethene (22% @ 20%)

D4C0489-CCV1

Continuing Calibration %Diff/Drift is below control limit (CD-).

2,2-Dichloropropane (26% @ 20%), Tetrachloroethene (29% @ 20%)

No other observations noted.

End of Project Narrative.

DATA USABILITY LINKS

To ensure you are viewing the most current version of the documents below, please clear your internet cookies for www.ESSLaboratory.com. Consult your IT Support personnel for information on how to clear your internet cookies.

[Definitions of Quality Control Parameters](#)

[Semivolatile Organics Internal Standard Information](#)

[Semivolatile Organics Surrogate Information](#)

[Volatile Organics Internal Standard Information](#)

[Volatile Organics Surrogate Information](#)

[EPH and VPH Alkane Lists](#)

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.

Client Project ID: Godfrey Brook Improvement 401 WQ

ESS Laboratory Work Order: 24C0572

CURRENT SW-846 METHODOLOGY VERSIONS

Analytical Methods

1010A - Flashpoint
6010C - ICP
6020A - ICP MS
7010 - Graphite Furnace
7196A - Hexavalent Chromium
7470A - Aqueous Mercury
7471B - Solid Mercury
8011 - EDB/DBCP/TCP
8015C - GRO/DRO
8081B - Pesticides
8082A - PCB
8100M - TPH
8151A - Herbicides
8260B - VOA
8270D - SVOA
8270D SIM - SVOA Low Level
9014 - Cyanide
9038 - Sulfate
9040C - Aqueous pH
9045D - Solid pH (Corrosivity)
9050A - Specific Conductance
9056A - Anions (IC)
9060A - TOC
9095B - Paint Filter
MADEP 04-1.1 - EPH
MADEP 18-2.1 - VPH

Prep Methods

3005A - Aqueous ICP Digestion
3020A - Aqueous Graphite Furnace / ICP MS Digestion
3050B - Solid ICP / Graphite Furnace / ICP MS Digestion
3060A - Solid Hexavalent Chromium Digestion
3510C - Separatory Funnel Extraction
3520C - Liquid / Liquid Extraction
3540C - Manual Soxhlet Extraction
3541 - Automated Soxhlet Extraction
3546 - Microwave Extraction
3580A - Waste Dilution
5030B - Aqueous Purge and Trap
5030C - Aqueous Purge and Trap
5035A - Solid Purge and Trap

SW846 Reactivity Methods 7.3.3.2 (Reactive Cyanide) and 7.3.4.1 (Reactive Sulfide) have been withdrawn by EPA. These methods are reported per client request and are not NELAP accredited.

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: Godfrey Brook Improvement 401 WQ
Client Sample ID: SS-1A
Date Sampled: 03/18/24 08:25

ESS Laboratory Work Order: 24C0572
ESS Laboratory Sample ID: 24C0572-01
Sample Matrix: Sediment

Subcontracted Analysis

| <u>Analyte</u> | <u>Results (MRL)</u> | <u>MDL</u> | <u>Method</u> | <u>Limit</u> | <u>DF</u> | <u>Analyst</u> | <u>Analyzed</u> | <u>Units</u> | <u>Batch</u> |
|----------------|----------------------|------------|---------------|--------------|-----------|----------------|-----------------|--------------|--------------|
| Grain Size | See Attached (N/A) | | | | | | | | |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
 Client Project ID: Godfrey Brook Improvement 401 WQ
 Client Sample ID: SS-1B
 Date Sampled: 03/18/24 08:45
 Percent Solids: 86
 Initial Volume: 8.5g
 Final Volume: 10ml
 Extraction Method: 5035

ESS Laboratory Work Order: 24C0572
 ESS Laboratory Sample ID: 24C0572-02
 Sample Matrix: Sediment
 Units: mg/kg dry
 Analyst: MEK
 Prepared: 3/20/24 8:00

Volatile Organics Low Level

| <u>Analyte</u> | <u>Results (MRL)</u> | <u>MDL</u> | <u>Method</u> | <u>Limit</u> | <u>DF</u> | <u>Analyst</u> | <u>Analyzed</u> | <u>Sequence</u> | <u>Batch</u> |
|-----------------------------|----------------------|------------|---------------|--------------|-----------|----------------|-----------------|-----------------|--------------|
| 1,1,1,2-Tetrachloroethane | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| 1,1,1-Trichloroethane | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| 1,1,2,2-Tetrachloroethane | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| 1,1,2-Trichloroethane | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| 1,1-Dichloroethane | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| 1,1-Dichloroethene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| 1,1-Dichloropropene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| 1,2,3-Trichlorobenzene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| 1,2,3-Trichloropropane | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| 1,2,4-Trichlorobenzene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| 1,2,4-Trimethylbenzene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| 1,2-Dibromo-3-Chloropropane | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| 1,2-Dibromoethane | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| 1,2-Dichlorobenzene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| 1,2-Dichloroethane | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| 1,2-Dichloropropane | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| 1,3,5-Trimethylbenzene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| 1,3-Dichlorobenzene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| 1,3-Dichloropropane | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| 1,4-Dichlorobenzene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| 1,4-Dioxane | ND (0.0686) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| 2,2-Dichloropropane | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| 2-Butanone | ND (0.0343) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| 2-Chlorotoluene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| 2-Hexanone | ND (0.0343) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| 4-Chlorotoluene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| 4-Isopropyltoluene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| 4-Methyl-2-Pentanone | ND (0.0343) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Acetone | ND (0.0343) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Benzene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Bromobenzene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
 Client Project ID: Godfrey Brook Improvement 401 WQ
 Client Sample ID: SS-1B
 Date Sampled: 03/18/24 08:45
 Percent Solids: 86
 Initial Volume: 8.5g
 Final Volume: 10ml
 Extraction Method: 5035

ESS Laboratory Work Order: 24C0572
 ESS Laboratory Sample ID: 24C0572-02
 Sample Matrix: Sediment
 Units: mg/kg dry
 Analyst: MEK
 Prepared: 3/20/24 8:00

Volatile Organics Low Level

| <u>Analyte</u> | <u>Results (MRL)</u> | <u>MDL</u> | <u>Method</u> | <u>Limit</u> | <u>DF</u> | <u>Analyst</u> | <u>Analyzed</u> | <u>Sequence</u> | <u>Batch</u> |
|----------------------------|----------------------|------------|---------------|--------------|-----------|----------------|-----------------|-----------------|--------------|
| Bromochloromethane | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Bromodichloromethane | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Bromoform | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Bromomethane | ND (0.0069) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Carbon Disulfide | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Carbon Tetrachloride | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Chlorobenzene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Chloroethane | ND (0.0069) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Chloroform | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Chloromethane | ND (0.0069) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| cis-1,2-Dichloroethene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| cis-1,3-Dichloropropene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Dibromochloromethane | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Dibromomethane | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Dichlorodifluoromethane | ND (0.0069) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Diethyl Ether | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Di-isopropyl ether | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Ethyl tertiary-butyl ether | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Ethylbenzene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Hexachlorobutadiene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Isopropylbenzene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Methyl tert-Butyl Ether | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Methylene Chloride | ND (0.0172) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Naphthalene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| n-Butylbenzene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| n-Propylbenzene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| sec-Butylbenzene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Styrene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| tert-Butylbenzene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Tertiary-amyl methyl ether | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Tetrachloroethene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
 Client Project ID: Godfrey Brook Improvement 401 WQ
 Client Sample ID: SS-1B
 Date Sampled: 03/18/24 08:45
 Percent Solids: 86
 Initial Volume: 8.5g
 Final Volume: 10ml
 Extraction Method: 5035

ESS Laboratory Work Order: 24C0572
 ESS Laboratory Sample ID: 24C0572-02
 Sample Matrix: Sediment
 Units: mg/kg dry
 Analyst: MEK
 Prepared: 3/20/24 8:00

Volatile Organics Low Level

| <u>Analyte</u> | <u>Results (MRL)</u> | <u>MDL</u> | <u>Method</u> | <u>Limit</u> | <u>DF</u> | <u>Analyst</u> | <u>Analyzed</u> | <u>Sequence</u> | <u>Batch</u> |
|---------------------------|----------------------|------------|---------------|--------------|-----------|----------------|-----------------|-----------------|--------------|
| Tetrahydrofuran | ND (0.0137) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Toluene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| trans-1,2-Dichloroethene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| trans-1,3-Dichloropropene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Trichloroethene | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Trichlorofluoromethane | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Vinyl Chloride | ND (0.0069) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Xylene O | ND (0.0034) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Xylene P,M | ND (0.0069) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |
| Xylenes (Total) | ND (0.0069) | | 8260D Low | | 1 | MEK | 03/20/24 20:53 | D4C0453 | DC42021 |

| | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> |
|---|------------------|------------------|---------------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>99 %</i> | | <i>70-130</i> |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>99 %</i> | | <i>70-130</i> |
| <i>Surrogate: Dibromofluoromethane</i> | <i>96 %</i> | | <i>70-130</i> |
| <i>Surrogate: Toluene-d8</i> | <i>97 %</i> | | <i>70-130</i> |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
 Client Project ID: Godfrey Brook Improvement 401 WQ
 Client Sample ID: SS-1B
 Date Sampled: 03/18/24 08:45
 Percent Solids: 86
 Initial Volume: 24.2g
 Final Volume: 1ml
 Extraction Method: 3546

ESS Laboratory Work Order: 24C0572
 ESS Laboratory Sample ID: 24C0572-02
 Sample Matrix: Sediment
 Units: mg/kg dry
 Prepared: 3/19/24 19:45

MADEP-EPH Extractable Petroleum Hydrocarbons

| <u>Analyte</u> | <u>Results (MRL)</u> | <u>MDL</u> | <u>Method</u> | <u>Limit</u> | <u>DF</u> | <u>Analyst</u> | <u>Analyzed</u> | <u>Sequence</u> | <u>Batch</u> |
|-------------------------------|----------------------|------------|---------------|--------------|-----------|----------------|-----------------|-----------------|--------------|
| C9-C18 Aliphatics1 | ND (18.1) | | MADEP-EPH | | 1 | JDN | 03/20/24 18:23 | D4C0473 | DC41945 |
| C19-C36 Aliphatics1 | ND (18.1) | | MADEP-EPH | | 1 | JDN | 03/20/24 18:23 | D4C0473 | DC41945 |
| C11-C22 Unadjusted Aromatics1 | ND (18.1) | | EPH8270 | | 1 | KXB | 03/20/24 18:39 | D4C0445 | DC41945 |
| C11-C22 Aromatics1,2 | ND (18.2) | | EPH8270 | | | TJ | 03/20/24 20:32 | | [CALC] |
| 2-Methylnaphthalene | ND (0.010) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:32 | D4C0476 | DC41945 |
| Acenaphthene | ND (0.010) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:32 | D4C0476 | DC41945 |
| Naphthalene | ND (0.010) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:32 | D4C0476 | DC41945 |
| Phenanthrene | 0.091 (0.010) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:32 | D4C0476 | DC41945 |
| Acenaphthylene | ND (0.010) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:32 | D4C0476 | DC41945 |
| Anthracene | 0.020 (0.010) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:32 | D4C0476 | DC41945 |
| Benzo(a)anthracene | 0.059 (0.010) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:32 | D4C0476 | DC41945 |
| Benzo(a)pyrene | 0.058 (0.010) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:32 | D4C0476 | DC41945 |
| Benzo(b)fluoranthene | 0.052 (0.010) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:32 | D4C0476 | DC41945 |
| Benzo(g,h,i)perylene | 0.037 (0.010) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:32 | D4C0476 | DC41945 |
| Benzo(k)fluoranthene | 0.052 (0.010) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:32 | D4C0476 | DC41945 |
| Chrysene | 0.064 (0.010) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:32 | D4C0476 | DC41945 |
| Dibenzo(a,h)Anthracene | 0.015 (0.010) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:32 | D4C0476 | DC41945 |
| Fluoranthene | 0.149 (0.010) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:32 | D4C0476 | DC41945 |
| Fluorene | ND (0.010) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:32 | D4C0476 | DC41945 |
| Indeno(1,2,3-cd)Pyrene | 0.031 (0.010) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:32 | D4C0476 | DC41945 |
| Pyrene | 0.121 (0.010) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:32 | D4C0476 | DC41945 |

| | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> |
|--------------------------------------|------------------|------------------|---------------|
| <i>Surrogate: 1-Chlorooctadecane</i> | 47 % | | 40-140 |
| <i>Surrogate: 2-Bromonaphthalene</i> | 101 % | | 40-140 |
| <i>Surrogate: 2-Fluorobiphenyl</i> | 102 % | | 40-140 |
| <i>Surrogate: O-Terphenyl</i> | 65 % | | 40-140 |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
 Client Project ID: Godfrey Brook Improvement 401 WQ
 Client Sample ID: SS-1B
 Date Sampled: 03/18/24 08:45
 Percent Solids: 86

ESS Laboratory Work Order: 24C0572
 ESS Laboratory Sample ID: 24C0572-02
 Sample Matrix: Sediment

Classical Chemistry

| <u>Analyte</u> | <u>Results (MRL)</u> | <u>MDL</u> | <u>Method</u> | <u>Limit</u> | <u>DF</u> | <u>Analyst</u> | <u>Analyzed</u> | <u>Units</u> | <u>Batch</u> |
|--------------------------------|----------------------|------------|---------------|--------------|-----------|----------------|-----------------|--------------|--------------|
| Percent Moisture | 14 (1) | | 2540G | | 1 | CCP | 03/19/24 18:00 | % | DC41910 |
| Total Organic Carbon (Average) | 1350 (500) | | LK | | 1 | CCP | 03/22/24 15:02 | mg/kg | [CALC] |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: Godfrey Brook Improvement 401 WQ
Client Sample ID: SS-1B
Date Sampled: 03/18/24 08:45

ESS Laboratory Work Order: 24C0572
ESS Laboratory Sample ID: 24C0572-02
Sample Matrix: Sediment

Subcontracted Analysis

| <u>Analyte</u> | <u>Results (MRL)</u> | <u>MDL</u> | <u>Method</u> | <u>Limit</u> | <u>DF</u> | <u>Analyst</u> | <u>Analyzed</u> | <u>Units</u> | <u>Batch</u> |
|----------------|----------------------|------------|---------------|--------------|-----------|----------------|-----------------|--------------|--------------|
| Grain Size | See Attached (N/A) | | | | | | | | |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
 Client Project ID: Godfrey Brook Improvement 401 WQ
 Client Sample ID: SS-1B
 Date Sampled: 03/18/24 08:45
 Percent Solids: 86
 Initial Volume: 30.5g
 Final Volume: 2ml
 Extraction Method: 3540C

ESS Laboratory Work Order: 24C0572
 ESS Laboratory Sample ID: 24C0572-02
 Sample Matrix: Sediment
 Units: mg/kg dry
 Analyst: DMC
 Prepared: 3/26/24 11:45

8082 Polychlorinated Biphenyls (PCB) / Congeners

| <u>Analyte</u> | <u>Results (MRL)</u> | <u>MDL</u> | <u>Method</u> | <u>Limit</u> | <u>DF</u> | <u>Analyzed</u> | <u>Sequence</u> | <u>Batch</u> |
|----------------|----------------------|------------|---------------|--------------|-----------|-----------------|-----------------|--------------|
| BZ#8 | ND (0.00031) | | 8082A Cong | | 1 | 03/27/24 13:24 | D4C0600 | DC42607 |
| BZ#18 | ND (0.00031) | | 8082A Cong | | 1 | 03/27/24 13:24 | D4C0600 | DC42607 |
| BZ#28 | ND (0.00031) | | 8082A Cong | | 1 | 03/27/24 13:24 | D4C0600 | DC42607 |
| BZ#44 | ND (0.00031) | | 8082A Cong | | 1 | 03/27/24 13:24 | D4C0600 | DC42607 |
| BZ#52 | ND (0.00031) | | 8082A Cong | | 1 | 03/27/24 13:24 | D4C0600 | DC42607 |
| BZ#66 | ND (0.00031) | | 8082A Cong | | 1 | 03/27/24 13:24 | D4C0600 | DC42607 |
| BZ#101 | ND (0.00031) | | 8082A Cong | | 1 | 03/27/24 13:24 | D4C0600 | DC42607 |
| BZ#105 | ND (0.00031) | | 8082A Cong | | 1 | 03/27/24 13:24 | D4C0600 | DC42607 |
| BZ#118 | ND (0.00031) | | 8082A Cong | | 1 | 03/27/24 13:24 | D4C0600 | DC42607 |
| BZ#128 | ND (0.00031) | | 8082A Cong | | 1 | 03/27/24 13:24 | D4C0600 | DC42607 |
| BZ#138 | ND (0.00031) | | 8082A Cong | | 1 | 03/27/24 13:24 | D4C0600 | DC42607 |
| BZ#153 | ND (0.00031) | | 8082A Cong | | 1 | 03/27/24 13:24 | D4C0600 | DC42607 |
| BZ#170 | ND (0.00031) | | 8082A Cong | | 1 | 03/27/24 13:24 | D4C0600 | DC42607 |
| BZ#180 | ND (0.00031) | | 8082A Cong | | 1 | 03/27/24 13:24 | D4C0600 | DC42607 |
| BZ#187 | ND (0.00031) | | 8082A Cong | | 1 | 03/27/24 13:24 | D4C0600 | DC42607 |
| BZ#195 | ND (0.00031) | | 8082A Cong | | 1 | 03/27/24 13:24 | D4C0600 | DC42607 |
| BZ#206 | ND (0.00031) | | 8082A Cong | | 1 | 03/27/24 13:24 | D4C0600 | DC42607 |
| BZ#209 | ND (0.00031) | | 8082A Cong | | 1 | 03/27/24 13:24 | D4C0600 | DC42607 |

| | | | |
|--|------------------|------------------|---------------|
| | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> |
| <i>Surrogate: Tetrachloro-m-xylene</i> | 71 % | | 30-150 |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: Godfrey Brook Improvement 401 WQ
Client Sample ID: SS-2A
Date Sampled: 03/18/24 11:15

ESS Laboratory Work Order: 24C0572
ESS Laboratory Sample ID: 24C0572-03
Sample Matrix: Sediment

Subcontracted Analysis

| <u>Analyte</u> | <u>Results (MRL)</u> | <u>MDL</u> | <u>Method</u> | <u>Limit</u> | <u>DF</u> | <u>Analyst</u> | <u>Analyzed</u> | <u>Units</u> | <u>Batch</u> |
|----------------|----------------------|------------|---------------|--------------|-----------|----------------|-----------------|--------------|--------------|
| Grain Size | See Attached (N/A) | | | | | | | | |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
 Client Project ID: Godfrey Brook Improvement 401 WQ
 Client Sample ID: SS-2B
 Date Sampled: 03/18/24 12:00
 Percent Solids: 90
 Initial Volume: 8.3g
 Final Volume: 10ml
 Extraction Method: 5035

ESS Laboratory Work Order: 24C0572
 ESS Laboratory Sample ID: 24C0572-04
 Sample Matrix: Sediment
 Units: mg/kg dry
 Analyst: MEK
 Prepared: 3/21/24 8:00

Volatile Organics Low Level

| <u>Analyte</u> | <u>Results (MRL)</u> | <u>MDL</u> | <u>Method</u> | <u>Limit</u> | <u>DF</u> | <u>Analyst</u> | <u>Analyzed</u> | <u>Sequence</u> | <u>Batch</u> |
|-----------------------------|----------------------|------------|---------------|--------------|-----------|----------------|-----------------|-----------------|--------------|
| 1,1,1,2-Tetrachloroethane | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| 1,1,1-Trichloroethane | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| 1,1,2,2-Tetrachloroethane | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| 1,1,2-Trichloroethane | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| 1,1-Dichloroethane | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| 1,1-Dichloroethene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| 1,1-Dichloropropene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| 1,2,3-Trichlorobenzene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| 1,2,3-Trichloropropane | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| 1,2,4-Trichlorobenzene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| 1,2,4-Trimethylbenzene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| 1,2-Dibromo-3-Chloropropane | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| 1,2-Dibromoethane | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| 1,2-Dichlorobenzene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| 1,2-Dichloroethane | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| 1,2-Dichloropropane | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| 1,3,5-Trimethylbenzene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| 1,3-Dichlorobenzene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| 1,3-Dichloropropane | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| 1,4-Dichlorobenzene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| 1,4-Dioxane | ND (0.0669) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| 2,2-Dichloropropane | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| 2-Butanone | ND (0.0335) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| 2-Chlorotoluene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| 2-Hexanone | ND (0.0335) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| 4-Chlorotoluene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| 4-Isopropyltoluene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| 4-Methyl-2-Pentanone | ND (0.0335) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Acetone | ND (0.0335) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Benzene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Bromobenzene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
 Client Project ID: Godfrey Brook Improvement 401 WQ
 Client Sample ID: SS-2B
 Date Sampled: 03/18/24 12:00
 Percent Solids: 90
 Initial Volume: 8.3g
 Final Volume: 10ml
 Extraction Method: 5035

ESS Laboratory Work Order: 24C0572
 ESS Laboratory Sample ID: 24C0572-04
 Sample Matrix: Sediment
 Units: mg/kg dry
 Analyst: MEK
 Prepared: 3/21/24 8:00

Volatile Organics Low Level

| <u>Analyte</u> | <u>Results (MRL)</u> | <u>MDL</u> | <u>Method</u> | <u>Limit</u> | <u>DF</u> | <u>Analyst</u> | <u>Analyzed</u> | <u>Sequence</u> | <u>Batch</u> |
|----------------------------|----------------------|------------|---------------|--------------|-----------|----------------|-----------------|-----------------|--------------|
| Bromochloromethane | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Bromodichloromethane | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Bromoform | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Bromomethane | ND (0.0067) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Carbon Disulfide | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Carbon Tetrachloride | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Chlorobenzene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Chloroethane | ND (0.0067) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Chloroform | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Chloromethane | ND (0.0067) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| cis-1,2-Dichloroethene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| cis-1,3-Dichloropropene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Dibromochloromethane | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Dibromomethane | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Dichlorodifluoromethane | ND (0.0067) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Diethyl Ether | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Di-isopropyl ether | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Ethyl tertiary-butyl ether | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Ethylbenzene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Hexachlorobutadiene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Isopropylbenzene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Methyl tert-Butyl Ether | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Methylene Chloride | ND (0.0167) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Naphthalene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| n-Butylbenzene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| n-Propylbenzene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| sec-Butylbenzene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Styrene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| tert-Butylbenzene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Tertiary-amyl methyl ether | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Tetrachloroethene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
 Client Project ID: Godfrey Brook Improvement 401 WQ
 Client Sample ID: SS-2B
 Date Sampled: 03/18/24 12:00
 Percent Solids: 90
 Initial Volume: 8.3g
 Final Volume: 10ml
 Extraction Method: 5035

ESS Laboratory Work Order: 24C0572
 ESS Laboratory Sample ID: 24C0572-04
 Sample Matrix: Sediment
 Units: mg/kg dry
 Analyst: MEK
 Prepared: 3/21/24 8:00

Volatile Organics Low Level

| <u>Analyte</u> | <u>Results (MRL)</u> | <u>MDL</u> | <u>Method</u> | <u>Limit</u> | <u>DF</u> | <u>Analyst</u> | <u>Analyzed</u> | <u>Sequence</u> | <u>Batch</u> |
|---------------------------|----------------------|------------|---------------|--------------|-----------|----------------|-----------------|-----------------|--------------|
| Tetrahydrofuran | ND (0.0134) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Toluene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| trans-1,2-Dichloroethene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| trans-1,3-Dichloropropene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Trichloroethene | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Trichlorofluoromethane | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Vinyl Chloride | ND (0.0067) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Xylene O | ND (0.0033) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Xylene P,M | ND (0.0067) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |
| Xylenes (Total) | ND (0.0067) | | 8260D Low | | 1 | MEK | 03/21/24 17:50 | D4C0489 | DC42127 |

| | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> |
|---|------------------|------------------|---------------|
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | <i>104 %</i> | | <i>70-130</i> |
| <i>Surrogate: 4-Bromofluorobenzene</i> | <i>97 %</i> | | <i>70-130</i> |
| <i>Surrogate: Dibromofluoromethane</i> | <i>102 %</i> | | <i>70-130</i> |
| <i>Surrogate: Toluene-d8</i> | <i>97 %</i> | | <i>70-130</i> |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
 Client Project ID: Godfrey Brook Improvement 401 WQ
 Client Sample ID: SS-2B
 Date Sampled: 03/18/24 12:00
 Percent Solids: 90
 Initial Volume: 25.3g
 Final Volume: 1ml
 Extraction Method: 3546

ESS Laboratory Work Order: 24C0572
 ESS Laboratory Sample ID: 24C0572-04
 Sample Matrix: Sediment
 Units: mg/kg dry
 Prepared: 3/19/24 19:45

MADEP-EPH Extractable Petroleum Hydrocarbons

| <u>Analyte</u> | <u>Results (MRL)</u> | <u>MDL</u> | <u>Method</u> | <u>Limit</u> | <u>DF</u> | <u>Analyst</u> | <u>Analyzed</u> | <u>Sequence</u> | <u>Batch</u> |
|-------------------------------|----------------------|------------|---------------|--------------|-----------|----------------|-----------------|-----------------|--------------|
| C9-C18 Aliphatics1 | ND (16.5) | | MADEP-EPH | | 1 | JDN | 03/20/24 18:58 | D4C0473 | DC41945 |
| C19-C36 Aliphatics1 | ND (16.5) | | MADEP-EPH | | 1 | JDN | 03/20/24 18:58 | D4C0473 | DC41945 |
| C11-C22 Unadjusted Aromatics1 | ND (16.5) | | EPH8270 | | 1 | KXB | 03/20/24 19:17 | D4C0445 | DC41945 |
| C11-C22 Aromatics1,2 | ND (16.6) | | EPH8270 | | | TJ | 03/20/24 20:53 | | [CALC] |
| 2-Methylnaphthalene | ND (0.009) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:53 | D4C0476 | DC41945 |
| Acenaphthene | 0.009 (0.009) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:53 | D4C0476 | DC41945 |
| Naphthalene | ND (0.009) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:53 | D4C0476 | DC41945 |
| Phenanthrene | 0.277 (0.009) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:53 | D4C0476 | DC41945 |
| Acenaphthylene | 0.024 (0.009) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:53 | D4C0476 | DC41945 |
| Anthracene | 0.060 (0.009) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:53 | D4C0476 | DC41945 |
| Benzo(a)anthracene | 0.150 (0.009) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:53 | D4C0476 | DC41945 |
| Benzo(a)pyrene | 0.149 (0.009) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:53 | D4C0476 | DC41945 |
| Benzo(b)fluoranthene | 0.125 (0.009) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:53 | D4C0476 | DC41945 |
| Benzo(g,h,i)perylene | 0.093 (0.009) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:53 | D4C0476 | DC41945 |
| Benzo(k)fluoranthene | 0.115 (0.009) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:53 | D4C0476 | DC41945 |
| Chrysene | 0.150 (0.009) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:53 | D4C0476 | DC41945 |
| Dibenzo(a,h)Anthracene | 0.040 (0.009) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:53 | D4C0476 | DC41945 |
| Fluoranthene | 0.370 (0.009) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:53 | D4C0476 | DC41945 |
| Fluorene | 0.022 (0.009) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:53 | D4C0476 | DC41945 |
| Indeno(1,2,3-cd)Pyrene | 0.083 (0.009) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:53 | D4C0476 | DC41945 |
| Pyrene | 0.348 (0.009) | | EPH8270SIM | | 1 | TJ | 03/20/24 20:53 | D4C0476 | DC41945 |

| | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> |
|--------------------------------------|------------------|------------------|---------------|
| <i>Surrogate: 1-Chlorooctadecane</i> | 47 % | | 40-140 |
| <i>Surrogate: 2-Bromonaphthalene</i> | 93 % | | 40-140 |
| <i>Surrogate: 2-Fluorobiphenyl</i> | 92 % | | 40-140 |
| <i>Surrogate: O-Terphenyl</i> | 63 % | | 40-140 |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
 Client Project ID: Godfrey Brook Improvement 401 WQ
 Client Sample ID: SS-2B
 Date Sampled: 03/18/24 12:00
 Percent Solids: 90

ESS Laboratory Work Order: 24C0572
 ESS Laboratory Sample ID: 24C0572-04
 Sample Matrix: Sediment

Classical Chemistry

| <u>Analyte</u> | <u>Results (MRL)</u> | <u>MDL</u> | <u>Method</u> | <u>Limit</u> | <u>DF</u> | <u>Analyst</u> | <u>Analyzed</u> | <u>Units</u> | <u>Batch</u> |
|--------------------------------|----------------------|------------|---------------|--------------|-----------|----------------|-----------------|--------------|--------------|
| Percent Moisture | 10 (1) | | 2540G | | 1 | CCP | 03/19/24 18:00 | % | DC41910 |
| Total Organic Carbon (Average) | 1960 (500) | | LK | | 1 | CCP | 03/22/24 15:35 | mg/kg | [CALC] |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
Client Project ID: Godfrey Brook Improvement 401 WQ
Client Sample ID: SS-2B
Date Sampled: 03/18/24 12:00

ESS Laboratory Work Order: 24C0572
ESS Laboratory Sample ID: 24C0572-04
Sample Matrix: Sediment

Subcontracted Analysis

| <u>Analyte</u> | <u>Results (MRL)</u> | <u>MDL</u> | <u>Method</u> | <u>Limit</u> | <u>DF</u> | <u>Analyst</u> | <u>Analyzed</u> | <u>Units</u> | <u>Batch</u> |
|----------------|----------------------|------------|---------------|--------------|-----------|----------------|-----------------|--------------|--------------|
| Grain Size | See Attached (N/A) | | | | | | | | |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
 Client Project ID: Godfrey Brook Improvement 401 WQ
 Client Sample ID: SS-2B
 Date Sampled: 03/18/24 12:00
 Percent Solids: 90
 Initial Volume: 30.1g
 Final Volume: 2ml
 Extraction Method: 3540C

ESS Laboratory Work Order: 24C0572
 ESS Laboratory Sample ID: 24C0572-04
 Sample Matrix: Sediment
 Units: mg/kg dry
 Analyst: DMC
 Prepared: 3/26/24 11:45

8082 Polychlorinated Biphenyls (PCB) / Congeners

| <u>Analyte</u> | <u>Results (MRL)</u> | <u>MDL</u> | <u>Method</u> | <u>Limit</u> | <u>DF</u> | <u>Analyzed</u> | <u>Sequence</u> | <u>Batch</u> |
|--------------------|--------------------------|------------|---------------|--------------|-----------|-----------------|-----------------|--------------|
| BZ#8 | ND (0.00030) | | 8082A Cong | | 1 | 03/27/24 13:55 | D4C0600 | DC42607 |
| BZ#18 | ND (0.00030) | | 8082A Cong | | 1 | 03/27/24 13:55 | D4C0600 | DC42607 |
| BZ#28 | ND (0.00030) | | 8082A Cong | | 1 | 03/27/24 13:55 | D4C0600 | DC42607 |
| BZ#44 | ND (0.00030) | | 8082A Cong | | 1 | 03/27/24 13:55 | D4C0600 | DC42607 |
| BZ#52 | ND (0.00030) | | 8082A Cong | | 1 | 03/27/24 13:55 | D4C0600 | DC42607 |
| BZ#66 | ND (0.00030) | | 8082A Cong | | 1 | 03/27/24 13:55 | D4C0600 | DC42607 |
| BZ#101 | ND (0.00030) | | 8082A Cong | | 1 | 03/27/24 13:55 | D4C0600 | DC42607 |
| BZ#105 | ND (0.00030) | | 8082A Cong | | 1 | 03/27/24 13:55 | D4C0600 | DC42607 |
| BZ#118 | ND (0.00030) | | 8082A Cong | | 1 | 03/27/24 13:55 | D4C0600 | DC42607 |
| BZ#128 | ND (0.00030) | | 8082A Cong | | 1 | 03/27/24 13:55 | D4C0600 | DC42607 |
| BZ#138 | ND (0.00030) | | 8082A Cong | | 1 | 03/27/24 13:55 | D4C0600 | DC42607 |
| BZ#153 | ND (0.00030) | | 8082A Cong | | 1 | 03/27/24 13:55 | D4C0600 | DC42607 |
| BZ#170 | ND (0.00030) | | 8082A Cong | | 1 | 03/27/24 13:55 | D4C0600 | DC42607 |
| BZ#180 | ND (0.00030) | | 8082A Cong | | 1 | 03/27/24 13:55 | D4C0600 | DC42607 |
| BZ#187 | ND (0.00030) | | 8082A Cong | | 1 | 03/27/24 13:55 | D4C0600 | DC42607 |
| BZ#195 | ND (0.00030) | | 8082A Cong | | 1 | 03/27/24 13:55 | D4C0600 | DC42607 |
| BZ#206 | 0.00046 (0.00030) | | 8082A Cong | | 1 | 03/27/24 13:55 | D4C0600 | DC42607 |
| BZ#209 [2C] | 0.00049 (0.00030) | | 8082A Cong | | 1 | 03/27/24 13:55 | D4C0600 | DC42607 |

| | | | |
|--|------------------|------------------|---------------|
| | <i>%Recovery</i> | <i>Qualifier</i> | <i>Limits</i> |
| <i>Surrogate: Tetrachloro-m-xylene</i> | 75 % | | 30-150 |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
 Client Project ID: Godfrey Brook Improvement 401 WQ
 Client Sample ID: SS-1B - Oven Dried
 Date Sampled: 03/18/24 08:45
 Percent Solids: 100

ESS Laboratory Work Order: 24C0572
 ESS Laboratory Sample ID: 24C0572-05
 Sample Matrix: Sediment
 Units: mg/kg dry

Extraction Method: 3050B

Total Metals

| <u>Analyte</u> | <u>Results (MRL)</u> | <u>MDL</u> | <u>Method</u> | <u>Limit</u> | <u>DF</u> | <u>Analyst</u> | <u>Analyzed</u> | <u>I/V</u> | <u>F/V</u> | <u>Batch</u> |
|----------------|----------------------|------------|---------------|--------------|-----------|----------------|-----------------|------------|------------|--------------|
| Arsenic | 2.03 (0.93) | | 6010D | | 1 | KJB | 03/21/24 14:35 | 5.4 | 100 | DC42108 |
| Cadmium | ND (0.09) | | 6010D | | 1 | KJB | 03/22/24 11:51 | 5.4 | 100 | DC42108 |
| Chromium | 4.25 (0.37) | | 6010D | | 1 | KJB | 03/21/24 14:35 | 5.4 | 100 | DC42108 |
| Copper | 8.22 (0.93) | | 6010D | | 1 | KJB | 03/21/24 14:35 | 5.4 | 100 | DC42108 |
| Lead | 8.90 (1.85) | | 6010D | | 1 | KJB | 03/21/24 14:35 | 5.4 | 100 | DC42108 |
| Mercury | 0.010 (0.010) | | 7471B | | 1 | AFV | 03/21/24 15:44 | 2.03 | 40 | DC42101 |
| Nickel | 2.89 (0.93) | | 6010D | | 1 | KJB | 03/21/24 14:35 | 5.4 | 100 | DC42108 |
| Zinc | 32.0 (0.93) | | 6010D | | 1 | KJB | 03/21/24 14:35 | 5.4 | 100 | DC42108 |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.
 Client Project ID: Godfrey Brook Improvement 401 WQ
 Client Sample ID: SS-2B - Oven Dried
 Date Sampled: 03/18/24 12:00
 Percent Solids: 99

ESS Laboratory Work Order: 24C0572
 ESS Laboratory Sample ID: 24C0572-06
 Sample Matrix: Sediment
 Units: mg/kg dry

Extraction Method: 3050B

Total Metals

| <u>Analyte</u> | <u>Results (MRL)</u> | <u>MDL</u> | <u>Method</u> | <u>Limit</u> | <u>DF</u> | <u>Analyst</u> | <u>Analyzed</u> | <u>I/V</u> | <u>F/V</u> | <u>Batch</u> |
|----------------|----------------------|------------|---------------|--------------|-----------|----------------|-----------------|------------|------------|--------------|
| Arsenic | 4.40 (0.86) | | 6010D | | 1 | KJB | 03/21/24 15:03 | 5.88 | 100 | DC42108 |
| Cadmium | 0.10 (0.09) | | 6010D | | 1 | KJB | 03/21/24 15:03 | 5.88 | 100 | DC42108 |
| Chromium | 8.66 (0.34) | | 6010D | | 1 | KJB | 03/21/24 15:03 | 5.88 | 100 | DC42108 |
| Copper | 19.2 (0.86) | | 6010D | | 1 | KJB | 03/21/24 15:03 | 5.88 | 100 | DC42108 |
| Lead | 23.2 (1.72) | | 6010D | | 1 | KJB | 03/21/24 15:03 | 5.88 | 100 | DC42108 |
| Mercury | 0.024 (0.010) | | 7471B | | 1 | AFV | 03/21/24 15:46 | 2.1 | 40 | DC42101 |
| Nickel | 5.56 (0.86) | | 6010D | | 1 | KJB | 03/21/24 15:03 | 5.88 | 100 | DC42108 |
| Zinc | 61.6 (0.86) | | 6010D | | 1 | KJB | 03/21/24 15:03 | 5.88 | 100 | DC42108 |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.

Client Project ID: Godfrey Brook Improvement 401 WQ

ESS Laboratory Work Order: 24C0572

Quality Control Data

| Analyte | Result | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|

Total Metals

Batch DC42101 - 245.1/7470A

| Blank | | | | | | | | | | |
|----------------|------|-------|-----------|-------|--|----|--------|---|----|--|
| Mercury | ND | 0.032 | mg/kg wet | | | | | | | |
| LCS | | | | | | | | | | |
| Mercury | 19.6 | 2.91 | mg/kg wet | 25.50 | | 77 | 71-125 | | | |
| LCS Dup | | | | | | | | | | |
| Mercury | 20.2 | 2.91 | mg/kg wet | 25.50 | | 79 | 71-125 | 3 | 30 | |

Batch DC42108 - 3050B

| Blank | | | | | | | | | | |
|----------------|------|------|-----------|-------|--|----|--------|----|----|----|
| Arsenic | ND | 2.50 | mg/kg wet | | | | | | | |
| Cadmium | ND | 0.25 | mg/kg wet | | | | | | | |
| Chromium | ND | 1.00 | mg/kg wet | | | | | | | |
| Copper | ND | 2.50 | mg/kg wet | | | | | | | |
| Lead | ND | 5.00 | mg/kg wet | | | | | | | |
| Nickel | ND | 2.50 | mg/kg wet | | | | | | | |
| Zinc | ND | 2.50 | mg/kg wet | | | | | | | |
| LCS | | | | | | | | | | |
| Arsenic | 63.3 | 7.81 | mg/kg wet | 75.60 | | 84 | 73-127 | | | |
| Cadmium | 214 | 0.78 | mg/kg wet | 259.0 | | 83 | 69-131 | | | |
| Chromium | 129 | 3.12 | mg/kg wet | 156.0 | | 82 | 74-126 | | | |
| Copper | 177 | 7.81 | mg/kg wet | 210.0 | | 84 | 78-122 | | | |
| Lead | 179 | 15.6 | mg/kg wet | 225.0 | | 80 | 72-128 | | | |
| Nickel | 142 | 7.81 | mg/kg wet | 174.0 | | 81 | 75-125 | | | |
| Zinc | 617 | 7.81 | mg/kg wet | 806.0 | | 77 | 70-130 | | | |
| LCS Dup | | | | | | | | | | |
| Arsenic | 54.8 | 7.46 | mg/kg wet | 75.60 | | 72 | 73-127 | 14 | 30 | B- |
| Cadmium | 191 | 0.75 | mg/kg wet | 259.0 | | 74 | 69-131 | 12 | 30 | |
| Chromium | 115 | 2.99 | mg/kg wet | 156.0 | | 74 | 74-126 | 11 | 30 | B- |
| Copper | 158 | 7.46 | mg/kg wet | 210.0 | | 75 | 78-122 | 11 | 30 | B- |
| Lead | 161 | 14.9 | mg/kg wet | 225.0 | | 71 | 72-128 | 11 | 30 | B- |
| Nickel | 128 | 7.46 | mg/kg wet | 174.0 | | 73 | 75-125 | 11 | 30 | B- |
| Zinc | 553 | 7.46 | mg/kg wet | 806.0 | | 69 | 70-130 | 11 | 30 | B- |

Volatile Organics Low Level

Batch DC42021 - 5035

| Blank | | | | | | | | | | |
|---------------------------|----|--------|-----------|--|--|--|--|--|--|--|
| 1,1,1,2-Tetrachloroethane | ND | 0.0050 | mg/kg wet | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.0050 | mg/kg wet | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.0050 | mg/kg wet | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.0050 | mg/kg wet | | | | | | | |
| 1,1-Dichloroethane | ND | 0.0050 | mg/kg wet | | | | | | | |
| 1,1-Dichloroethene | ND | 0.0050 | mg/kg wet | | | | | | | |
| 1,1-Dichloropropene | ND | 0.0050 | mg/kg wet | | | | | | | |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.

Client Project ID: Godfrey Brook Improvement 401 WQ

ESS Laboratory Work Order: 24C0572

Quality Control Data

| Analyte | Result | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|

Volatile Organics Low Level

Batch DC42021 - 5035

| | | | |
|-----------------------------|----|--------|-----------|
| 1,2,3-Trichlorobenzene | ND | 0.0050 | mg/kg wet |
| 1,2,3-Trichloropropane | ND | 0.0050 | mg/kg wet |
| 1,2,4-Trichlorobenzene | ND | 0.0050 | mg/kg wet |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | mg/kg wet |
| 1,2-Dibromo-3-Chloropropane | ND | 0.0050 | mg/kg wet |
| 1,2-Dibromoethane | ND | 0.0050 | mg/kg wet |
| 1,2-Dichlorobenzene | ND | 0.0050 | mg/kg wet |
| 1,2-Dichloroethane | ND | 0.0050 | mg/kg wet |
| 1,2-Dichloropropane | ND | 0.0050 | mg/kg wet |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | mg/kg wet |
| 1,3-Dichlorobenzene | ND | 0.0050 | mg/kg wet |
| 1,3-Dichloropropane | ND | 0.0050 | mg/kg wet |
| 1,4-Dichlorobenzene | ND | 0.0050 | mg/kg wet |
| 1,4-Dioxane | ND | 0.100 | mg/kg wet |
| 2,2-Dichloropropane | ND | 0.0050 | mg/kg wet |
| 2-Butanone | ND | 0.0500 | mg/kg wet |
| 2-Chlorotoluene | ND | 0.0050 | mg/kg wet |
| 2-Hexanone | ND | 0.0500 | mg/kg wet |
| 4-Chlorotoluene | ND | 0.0050 | mg/kg wet |
| 4-Isopropyltoluene | ND | 0.0050 | mg/kg wet |
| 4-Methyl-2-Pentanone | ND | 0.0500 | mg/kg wet |
| Acetone | ND | 0.0500 | mg/kg wet |
| Benzene | ND | 0.0050 | mg/kg wet |
| Bromobenzene | ND | 0.0050 | mg/kg wet |
| Bromochloromethane | ND | 0.0050 | mg/kg wet |
| Bromodichloromethane | ND | 0.0050 | mg/kg wet |
| Bromoform | ND | 0.0050 | mg/kg wet |
| Bromomethane | ND | 0.0100 | mg/kg wet |
| Carbon Disulfide | ND | 0.0050 | mg/kg wet |
| Carbon Tetrachloride | ND | 0.0050 | mg/kg wet |
| Chlorobenzene | ND | 0.0050 | mg/kg wet |
| Chloroethane | ND | 0.0100 | mg/kg wet |
| Chloroform | ND | 0.0050 | mg/kg wet |
| Chloromethane | ND | 0.0100 | mg/kg wet |
| cis-1,2-Dichloroethene | ND | 0.0050 | mg/kg wet |
| cis-1,3-Dichloropropene | ND | 0.0050 | mg/kg wet |
| Dibromochloromethane | ND | 0.0050 | mg/kg wet |
| Dibromomethane | ND | 0.0050 | mg/kg wet |
| Dichlorodifluoromethane | ND | 0.0100 | mg/kg wet |
| Diethyl Ether | ND | 0.0050 | mg/kg wet |
| Di-isopropyl ether | ND | 0.0050 | mg/kg wet |
| Ethyl tertiary-butyl ether | ND | 0.0050 | mg/kg wet |
| Ethylbenzene | ND | 0.0050 | mg/kg wet |
| Hexachlorobutadiene | ND | 0.0050 | mg/kg wet |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.

Client Project ID: Godfrey Brook Improvement 401 WQ

ESS Laboratory Work Order: 24C0572

Quality Control Data

| Analyte | Result | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|

Volatile Organics Low Level

Batch DC42021 - 5035

| | | | | | | | | | | |
|----------------------------|----|--------|-----------|--|--|--|--|--|--|--|
| Isopropylbenzene | ND | 0.0050 | mg/kg wet | | | | | | | |
| Methyl tert-Butyl Ether | ND | 0.0050 | mg/kg wet | | | | | | | |
| Methylene Chloride | ND | 0.0250 | mg/kg wet | | | | | | | |
| Naphthalene | ND | 0.0050 | mg/kg wet | | | | | | | |
| n-Butylbenzene | ND | 0.0050 | mg/kg wet | | | | | | | |
| n-Propylbenzene | ND | 0.0050 | mg/kg wet | | | | | | | |
| sec-Butylbenzene | ND | 0.0050 | mg/kg wet | | | | | | | |
| Styrene | ND | 0.0050 | mg/kg wet | | | | | | | |
| tert-Butylbenzene | ND | 0.0050 | mg/kg wet | | | | | | | |
| Tertiary-amyl methyl ether | ND | 0.0050 | mg/kg wet | | | | | | | |
| Tetrachloroethene | ND | 0.0050 | mg/kg wet | | | | | | | |
| Tetrahydrofuran | ND | 0.0200 | mg/kg wet | | | | | | | |
| Toluene | ND | 0.0050 | mg/kg wet | | | | | | | |
| trans-1,2-Dichloroethene | ND | 0.0050 | mg/kg wet | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.0050 | mg/kg wet | | | | | | | |
| Trichloroethene | ND | 0.0050 | mg/kg wet | | | | | | | |
| Trichlorofluoromethane | ND | 0.0050 | mg/kg wet | | | | | | | |
| Vinyl Chloride | ND | 0.0100 | mg/kg wet | | | | | | | |
| Xylene O | ND | 0.0050 | mg/kg wet | | | | | | | |
| Xylene P,M | ND | 0.0100 | mg/kg wet | | | | | | | |

LCS

| | | | | | | | | | | |
|-----------------------------|--------|--------|-----------|---------|--|-----|--------|--|--|--|
| 1,1,1,2-Tetrachloroethane | 0.0440 | 0.0050 | mg/kg wet | 0.05000 | | 88 | 70-130 | | | |
| 1,1,1-Trichloroethane | 0.0452 | 0.0050 | mg/kg wet | 0.05000 | | 90 | 70-130 | | | |
| 1,1,2,2-Tetrachloroethane | 0.0459 | 0.0050 | mg/kg wet | 0.05000 | | 92 | 40-160 | | | |
| 1,1,2-Trichloroethane | 0.0447 | 0.0050 | mg/kg wet | 0.05000 | | 89 | 70-130 | | | |
| 1,1-Dichloroethane | 0.0451 | 0.0050 | mg/kg wet | 0.05000 | | 90 | 70-130 | | | |
| 1,1-Dichloroethene | 0.0482 | 0.0050 | mg/kg wet | 0.05000 | | 96 | 70-130 | | | |
| 1,1-Dichloropropene | 0.0441 | 0.0050 | mg/kg wet | 0.05000 | | 88 | 70-130 | | | |
| 1,2,3-Trichlorobenzene | 0.0445 | 0.0050 | mg/kg wet | 0.05000 | | 89 | 70-130 | | | |
| 1,2,3-Trichloropropane | 0.0409 | 0.0050 | mg/kg wet | 0.05000 | | 82 | 70-130 | | | |
| 1,2,4-Trichlorobenzene | 0.0453 | 0.0050 | mg/kg wet | 0.05000 | | 91 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0455 | 0.0050 | mg/kg wet | 0.05000 | | 91 | 70-130 | | | |
| 1,2-Dibromo-3-Chloropropane | 0.0435 | 0.0050 | mg/kg wet | 0.05000 | | 87 | 70-130 | | | |
| 1,2-Dibromoethane | 0.0440 | 0.0050 | mg/kg wet | 0.05000 | | 88 | 70-130 | | | |
| 1,2-Dichlorobenzene | 0.0440 | 0.0050 | mg/kg wet | 0.05000 | | 88 | 70-130 | | | |
| 1,2-Dichloroethane | 0.0434 | 0.0050 | mg/kg wet | 0.05000 | | 87 | 70-130 | | | |
| 1,2-Dichloropropane | 0.0452 | 0.0050 | mg/kg wet | 0.05000 | | 90 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0455 | 0.0050 | mg/kg wet | 0.05000 | | 91 | 70-130 | | | |
| 1,3-Dichlorobenzene | 0.0435 | 0.0050 | mg/kg wet | 0.05000 | | 87 | 70-130 | | | |
| 1,3-Dichloropropane | 0.0458 | 0.0050 | mg/kg wet | 0.05000 | | 92 | 70-130 | | | |
| 1,4-Dichlorobenzene | 0.0446 | 0.0050 | mg/kg wet | 0.05000 | | 89 | 70-130 | | | |
| 1,4-Dioxane | 1.01 | 0.100 | mg/kg wet | 1.000 | | 101 | 70-130 | | | |
| 2,2-Dichloropropane | 0.0414 | 0.0050 | mg/kg wet | 0.05000 | | 83 | 70-130 | | | |
| 2-Butanone | 0.249 | 0.0500 | mg/kg wet | 0.2500 | | 99 | 40-160 | | | |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.

Client Project ID: Godfrey Brook Improvement 401 WQ

ESS Laboratory Work Order: 24C0572

Quality Control Data

| Analyte | Result | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|

Volatile Organics Low Level

Batch DC42021 - 5035

| | | | | | | | | | | |
|----------------------------|--------|--------|-----------|---------|--|-----|--------|--|--|--|
| 2-Chlorotoluene | 0.0442 | 0.0050 | mg/kg wet | 0.05000 | | 88 | 70-130 | | | |
| 2-Hexanone | 0.270 | 0.0500 | mg/kg wet | 0.2500 | | 108 | 40-160 | | | |
| 4-Chlorotoluene | 0.0439 | 0.0050 | mg/kg wet | 0.05000 | | 88 | 70-130 | | | |
| 4-Isopropyltoluene | 0.0435 | 0.0050 | mg/kg wet | 0.05000 | | 87 | 70-130 | | | |
| 4-Methyl-2-Pentanone | 0.233 | 0.0500 | mg/kg wet | 0.2500 | | 93 | 40-160 | | | |
| Acetone | 0.303 | 0.0500 | mg/kg wet | 0.2500 | | 121 | 40-160 | | | |
| Benzene | 0.0452 | 0.0050 | mg/kg wet | 0.05000 | | 90 | 70-130 | | | |
| Bromobenzene | 0.0440 | 0.0050 | mg/kg wet | 0.05000 | | 88 | 70-130 | | | |
| Bromochloromethane | 0.0459 | 0.0050 | mg/kg wet | 0.05000 | | 92 | 70-130 | | | |
| Bromodichloromethane | 0.0498 | 0.0050 | mg/kg wet | 0.05000 | | 100 | 70-130 | | | |
| Bromoform | 0.0444 | 0.0050 | mg/kg wet | 0.05000 | | 89 | 40-160 | | | |
| Bromomethane | 0.0421 | 0.0100 | mg/kg wet | 0.05000 | | 84 | 40-160 | | | |
| Carbon Disulfide | 0.0457 | 0.0050 | mg/kg wet | 0.05000 | | 91 | 70-130 | | | |
| Carbon Tetrachloride | 0.0447 | 0.0050 | mg/kg wet | 0.05000 | | 89 | 70-130 | | | |
| Chlorobenzene | 0.0442 | 0.0050 | mg/kg wet | 0.05000 | | 88 | 70-130 | | | |
| Chloroethane | 0.0433 | 0.0100 | mg/kg wet | 0.05000 | | 87 | 40-160 | | | |
| Chloroform | 0.0452 | 0.0050 | mg/kg wet | 0.05000 | | 90 | 70-130 | | | |
| Chloromethane | 0.0454 | 0.0100 | mg/kg wet | 0.05000 | | 91 | 40-160 | | | |
| cis-1,2-Dichloroethene | 0.0473 | 0.0050 | mg/kg wet | 0.05000 | | 95 | 70-130 | | | |
| cis-1,3-Dichloropropene | 0.0485 | 0.0050 | mg/kg wet | 0.05000 | | 97 | 40-160 | | | |
| Dibromochloromethane | 0.0503 | 0.0050 | mg/kg wet | 0.05000 | | 101 | 40-160 | | | |
| Dibromomethane | 0.0453 | 0.0050 | mg/kg wet | 0.05000 | | 91 | 70-130 | | | |
| Dichlorodifluoromethane | 0.0323 | 0.0100 | mg/kg wet | 0.05000 | | 65 | 40-160 | | | |
| Diethyl Ether | 0.0468 | 0.0050 | mg/kg wet | 0.05000 | | 94 | 70-130 | | | |
| Di-isopropyl ether | 0.0477 | 0.0050 | mg/kg wet | 0.05000 | | 95 | 70-130 | | | |
| Ethyl tertiary-butyl ether | 0.0473 | 0.0050 | mg/kg wet | 0.05000 | | 95 | 70-130 | | | |
| Ethylbenzene | 0.0443 | 0.0050 | mg/kg wet | 0.05000 | | 89 | 70-130 | | | |
| Hexachlorobutadiene | 0.0433 | 0.0050 | mg/kg wet | 0.05000 | | 87 | 40-160 | | | |
| Isopropylbenzene | 0.0474 | 0.0050 | mg/kg wet | 0.05000 | | 95 | 70-130 | | | |
| Methyl tert-Butyl Ether | 0.0454 | 0.0050 | mg/kg wet | 0.05000 | | 91 | 70-130 | | | |
| Methylene Chloride | 0.0471 | 0.0250 | mg/kg wet | 0.05000 | | 94 | 70-130 | | | |
| Naphthalene | 0.0451 | 0.0050 | mg/kg wet | 0.05000 | | 90 | 40-160 | | | |
| n-Butylbenzene | 0.0452 | 0.0050 | mg/kg wet | 0.05000 | | 90 | 70-130 | | | |
| n-Propylbenzene | 0.0450 | 0.0050 | mg/kg wet | 0.05000 | | 90 | 70-130 | | | |
| sec-Butylbenzene | 0.0424 | 0.0050 | mg/kg wet | 0.05000 | | 85 | 70-130 | | | |
| Styrene | 0.0452 | 0.0050 | mg/kg wet | 0.05000 | | 90 | 40-160 | | | |
| tert-Butylbenzene | 0.0443 | 0.0050 | mg/kg wet | 0.05000 | | 89 | 70-130 | | | |
| Tertiary-amyl methyl ether | 0.0472 | 0.0050 | mg/kg wet | 0.05000 | | 94 | 70-130 | | | |
| Tetrachloroethene | 0.0426 | 0.0050 | mg/kg wet | 0.05000 | | 85 | 70-130 | | | |
| Tetrahydrofuran | 0.0475 | 0.0200 | mg/kg wet | 0.05000 | | 95 | 70-130 | | | |
| Toluene | 0.0449 | 0.0050 | mg/kg wet | 0.05000 | | 90 | 70-130 | | | |
| trans-1,2-Dichloroethene | 0.0471 | 0.0050 | mg/kg wet | 0.05000 | | 94 | 70-130 | | | |
| trans-1,3-Dichloropropene | 0.0447 | 0.0050 | mg/kg wet | 0.05000 | | 89 | 70-130 | | | |
| Trichloroethene | 0.0433 | 0.0050 | mg/kg wet | 0.05000 | | 87 | 70-130 | | | |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.

Client Project ID: Godfrey Brook Improvement 401 WQ

ESS Laboratory Work Order: 24C0572

Quality Control Data

| Analyte | Result | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|

Volatile Organics Low Level

Batch DC42021 - 5035

| | | | | | | | | | | |
|------------------------|--------|--------|-----------|---------|--|----|--------|--|--|--|
| Trichlorofluoromethane | 0.0412 | 0.0050 | mg/kg wet | 0.05000 | | 82 | 40-160 | | | |
| Vinyl Chloride | 0.0428 | 0.0100 | mg/kg wet | 0.05000 | | 86 | 70-130 | | | |
| Xylene O | 0.0463 | 0.0050 | mg/kg wet | 0.05000 | | 93 | 70-130 | | | |
| Xylene P,M | 0.0923 | 0.0100 | mg/kg wet | 0.1000 | | 92 | 70-130 | | | |

LCS Dup

| | | | | | | | | | | |
|-----------------------------|--------|--------|-----------|---------|--|-----|--------|----|----|--|
| 1,1,1,2-Tetrachloroethane | 0.0467 | 0.0050 | mg/kg wet | 0.05000 | | 93 | 70-130 | 6 | 20 | |
| 1,1,1-Trichloroethane | 0.0474 | 0.0050 | mg/kg wet | 0.05000 | | 95 | 70-130 | 5 | 20 | |
| 1,1,2,2-Tetrachloroethane | 0.0504 | 0.0050 | mg/kg wet | 0.05000 | | 101 | 40-160 | 9 | 20 | |
| 1,1,2-Trichloroethane | 0.0496 | 0.0050 | mg/kg wet | 0.05000 | | 99 | 70-130 | 10 | 20 | |
| 1,1-Dichloroethane | 0.0482 | 0.0050 | mg/kg wet | 0.05000 | | 96 | 70-130 | 7 | 20 | |
| 1,1-Dichloroethene | 0.0512 | 0.0050 | mg/kg wet | 0.05000 | | 102 | 70-130 | 6 | 20 | |
| 1,1-Dichloropropene | 0.0457 | 0.0050 | mg/kg wet | 0.05000 | | 91 | 70-130 | 3 | 20 | |
| 1,2,3-Trichlorobenzene | 0.0476 | 0.0050 | mg/kg wet | 0.05000 | | 95 | 70-130 | 7 | 20 | |
| 1,2,3-Trichloropropane | 0.0453 | 0.0050 | mg/kg wet | 0.05000 | | 91 | 70-130 | 10 | 20 | |
| 1,2,4-Trichlorobenzene | 0.0472 | 0.0050 | mg/kg wet | 0.05000 | | 94 | 70-130 | 4 | 20 | |
| 1,2,4-Trimethylbenzene | 0.0472 | 0.0050 | mg/kg wet | 0.05000 | | 94 | 70-130 | 4 | 20 | |
| 1,2-Dibromo-3-Chloropropane | 0.0479 | 0.0050 | mg/kg wet | 0.05000 | | 96 | 70-130 | 10 | 20 | |
| 1,2-Dibromoethane | 0.0477 | 0.0050 | mg/kg wet | 0.05000 | | 95 | 70-130 | 8 | 20 | |
| 1,2-Dichlorobenzene | 0.0460 | 0.0050 | mg/kg wet | 0.05000 | | 92 | 70-130 | 4 | 20 | |
| 1,2-Dichloroethane | 0.0476 | 0.0050 | mg/kg wet | 0.05000 | | 95 | 70-130 | 9 | 20 | |
| 1,2-Dichloropropane | 0.0485 | 0.0050 | mg/kg wet | 0.05000 | | 97 | 70-130 | 7 | 20 | |
| 1,3,5-Trimethylbenzene | 0.0466 | 0.0050 | mg/kg wet | 0.05000 | | 93 | 70-130 | 3 | 20 | |
| 1,3-Dichlorobenzene | 0.0450 | 0.0050 | mg/kg wet | 0.05000 | | 90 | 70-130 | 3 | 20 | |
| 1,3-Dichloropropane | 0.0500 | 0.0050 | mg/kg wet | 0.05000 | | 100 | 70-130 | 9 | 20 | |
| 1,4-Dichlorobenzene | 0.0462 | 0.0050 | mg/kg wet | 0.05000 | | 92 | 70-130 | 3 | 20 | |
| 1,4-Dioxane | 1.11 | 0.100 | mg/kg wet | 1.000 | | 111 | 70-130 | 9 | 20 | |
| 2,2-Dichloropropane | 0.0441 | 0.0050 | mg/kg wet | 0.05000 | | 88 | 70-130 | 6 | 20 | |
| 2-Butanone | 0.282 | 0.0500 | mg/kg wet | 0.2500 | | 113 | 40-160 | 12 | 20 | |
| 2-Chlorotoluene | 0.0454 | 0.0050 | mg/kg wet | 0.05000 | | 91 | 70-130 | 3 | 20 | |
| 2-Hexanone | 0.308 | 0.0500 | mg/kg wet | 0.2500 | | 123 | 40-160 | 13 | 20 | |
| 4-Chlorotoluene | 0.0454 | 0.0050 | mg/kg wet | 0.05000 | | 91 | 70-130 | 3 | 20 | |
| 4-Isopropyltoluene | 0.0440 | 0.0050 | mg/kg wet | 0.05000 | | 88 | 70-130 | 1 | 20 | |
| 4-Methyl-2-Pentanone | 0.271 | 0.0500 | mg/kg wet | 0.2500 | | 108 | 40-160 | 15 | 20 | |
| Acetone | 0.359 | 0.0500 | mg/kg wet | 0.2500 | | 144 | 40-160 | 17 | 20 | |
| Benzene | 0.0478 | 0.0050 | mg/kg wet | 0.05000 | | 96 | 70-130 | 6 | 20 | |
| Bromobenzene | 0.0460 | 0.0050 | mg/kg wet | 0.05000 | | 92 | 70-130 | 4 | 20 | |
| Bromochloromethane | 0.0498 | 0.0050 | mg/kg wet | 0.05000 | | 100 | 70-130 | 8 | 20 | |
| Bromodichloromethane | 0.0535 | 0.0050 | mg/kg wet | 0.05000 | | 107 | 70-130 | 7 | 20 | |
| Bromoform | 0.0492 | 0.0050 | mg/kg wet | 0.05000 | | 98 | 40-160 | 10 | 20 | |
| Bromomethane | 0.0445 | 0.0100 | mg/kg wet | 0.05000 | | 89 | 40-160 | 6 | 20 | |
| Carbon Disulfide | 0.0482 | 0.0050 | mg/kg wet | 0.05000 | | 96 | 70-130 | 5 | 20 | |
| Carbon Tetrachloride | 0.0471 | 0.0050 | mg/kg wet | 0.05000 | | 94 | 70-130 | 5 | 20 | |
| Chlorobenzene | 0.0469 | 0.0050 | mg/kg wet | 0.05000 | | 94 | 70-130 | 6 | 20 | |
| Chloroethane | 0.0465 | 0.0100 | mg/kg wet | 0.05000 | | 93 | 40-160 | 7 | 20 | |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.

Client Project ID: Godfrey Brook Improvement 401 WQ

ESS Laboratory Work Order: 24C0572

Quality Control Data

| Analyte | Result | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|

Volatile Organics Low Level

Batch DC42021 - 5035

| | | | | | | | | | | |
|----------------------------|--------|--------|-----------|---------|--|-----|--------|-----|----|--|
| Chloroform | 0.0482 | 0.0050 | mg/kg wet | 0.05000 | | 96 | 70-130 | 6 | 20 | |
| Chloromethane | 0.0484 | 0.0100 | mg/kg wet | 0.05000 | | 97 | 40-160 | 6 | 20 | |
| cis-1,2-Dichloroethene | 0.0502 | 0.0050 | mg/kg wet | 0.05000 | | 100 | 70-130 | 6 | 20 | |
| cis-1,3-Dichloropropene | 0.0530 | 0.0050 | mg/kg wet | 0.05000 | | 106 | 40-160 | 9 | 20 | |
| Dibromochloromethane | 0.0546 | 0.0050 | mg/kg wet | 0.05000 | | 109 | 40-160 | 8 | 20 | |
| Dibromomethane | 0.0498 | 0.0050 | mg/kg wet | 0.05000 | | 100 | 70-130 | 10 | 20 | |
| Dichlorodifluoromethane | 0.0334 | 0.0100 | mg/kg wet | 0.05000 | | 67 | 40-160 | 3 | 20 | |
| Diethyl Ether | 0.0513 | 0.0050 | mg/kg wet | 0.05000 | | 103 | 70-130 | 9 | 20 | |
| Di-isopropyl ether | 0.0517 | 0.0050 | mg/kg wet | 0.05000 | | 103 | 70-130 | 8 | 20 | |
| Ethyl tertiary-butyl ether | 0.0519 | 0.0050 | mg/kg wet | 0.05000 | | 104 | 70-130 | 9 | 20 | |
| Ethylbenzene | 0.0467 | 0.0050 | mg/kg wet | 0.05000 | | 93 | 70-130 | 5 | 20 | |
| Hexachlorobutadiene | 0.0434 | 0.0050 | mg/kg wet | 0.05000 | | 87 | 40-160 | 0.3 | 20 | |
| Isopropylbenzene | 0.0489 | 0.0050 | mg/kg wet | 0.05000 | | 98 | 70-130 | 3 | 20 | |
| Methyl tert-Butyl Ether | 0.0505 | 0.0050 | mg/kg wet | 0.05000 | | 101 | 70-130 | 11 | 20 | |
| Methylene Chloride | 0.0505 | 0.0250 | mg/kg wet | 0.05000 | | 101 | 70-130 | 7 | 20 | |
| Naphthalene | 0.0504 | 0.0050 | mg/kg wet | 0.05000 | | 101 | 40-160 | 11 | 20 | |
| n-Butylbenzene | 0.0460 | 0.0050 | mg/kg wet | 0.05000 | | 92 | 70-130 | 2 | 20 | |
| n-Propylbenzene | 0.0460 | 0.0050 | mg/kg wet | 0.05000 | | 92 | 70-130 | 2 | 20 | |
| sec-Butylbenzene | 0.0434 | 0.0050 | mg/kg wet | 0.05000 | | 87 | 70-130 | 2 | 20 | |
| Styrene | 0.0500 | 0.0050 | mg/kg wet | 0.05000 | | 100 | 40-160 | 10 | 20 | |
| tert-Butylbenzene | 0.0454 | 0.0050 | mg/kg wet | 0.05000 | | 91 | 70-130 | 2 | 20 | |
| Tertiary-amyl methyl ether | 0.0525 | 0.0050 | mg/kg wet | 0.05000 | | 105 | 70-130 | 11 | 20 | |
| Tetrachloroethene | 0.0446 | 0.0050 | mg/kg wet | 0.05000 | | 89 | 70-130 | 5 | 20 | |
| Tetrahydrofuran | 0.0558 | 0.0200 | mg/kg wet | 0.05000 | | 112 | 70-130 | 16 | 20 | |
| Toluene | 0.0478 | 0.0050 | mg/kg wet | 0.05000 | | 96 | 70-130 | 6 | 20 | |
| trans-1,2-Dichloroethene | 0.0495 | 0.0050 | mg/kg wet | 0.05000 | | 99 | 70-130 | 5 | 20 | |
| trans-1,3-Dichloropropene | 0.0494 | 0.0050 | mg/kg wet | 0.05000 | | 99 | 70-130 | 10 | 20 | |
| Trichloroethene | 0.0459 | 0.0050 | mg/kg wet | 0.05000 | | 92 | 70-130 | 6 | 20 | |
| Trichlorofluoromethane | 0.0429 | 0.0050 | mg/kg wet | 0.05000 | | 86 | 40-160 | 4 | 20 | |
| Vinyl Chloride | 0.0450 | 0.0100 | mg/kg wet | 0.05000 | | 90 | 70-130 | 5 | 20 | |
| Xylene O | 0.0486 | 0.0050 | mg/kg wet | 0.05000 | | 97 | 70-130 | 5 | 20 | |
| Xylene P,M | 0.0961 | 0.0100 | mg/kg wet | 0.1000 | | 96 | 70-130 | 4 | 20 | |

Batch DC42127 - 5035

| Blank | | | | | | | | | | |
|---------------------------|----|--------|-----------|--|--|--|--|--|--|--|
| 1,1,1,2-Tetrachloroethane | ND | 0.0050 | mg/kg wet | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.0050 | mg/kg wet | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 0.0050 | mg/kg wet | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.0050 | mg/kg wet | | | | | | | |
| 1,1-Dichloroethane | ND | 0.0050 | mg/kg wet | | | | | | | |
| 1,1-Dichloroethene | ND | 0.0050 | mg/kg wet | | | | | | | |
| 1,1-Dichloropropene | ND | 0.0050 | mg/kg wet | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 0.0050 | mg/kg wet | | | | | | | |
| 1,2,3-Trichloropropane | ND | 0.0050 | mg/kg wet | | | | | | | |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.

Client Project ID: Godfrey Brook Improvement 401 WQ

ESS Laboratory Work Order: 24C0572

Quality Control Data

| Analyte | Result | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|

Volatile Organics Low Level

Batch DC42127 - 5035

| | | | | | | | | | | |
|-----------------------------|----|--------|-----------|--|--|--|--|--|--|--|
| 1,2,4-Trichlorobenzene | ND | 0.0050 | mg/kg wet | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.0050 | mg/kg wet | | | | | | | |
| 1,2-Dibromo-3-Chloropropane | ND | 0.0050 | mg/kg wet | | | | | | | |
| 1,2-Dibromoethane | ND | 0.0050 | mg/kg wet | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.0050 | mg/kg wet | | | | | | | |
| 1,2-Dichloroethane | ND | 0.0050 | mg/kg wet | | | | | | | |
| 1,2-Dichloropropane | ND | 0.0050 | mg/kg wet | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | mg/kg wet | | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.0050 | mg/kg wet | | | | | | | |
| 1,3-Dichloropropane | ND | 0.0050 | mg/kg wet | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.0050 | mg/kg wet | | | | | | | |
| 1,4-Dioxane | ND | 0.100 | mg/kg wet | | | | | | | |
| 2,2-Dichloropropane | ND | 0.0050 | mg/kg wet | | | | | | | |
| 2-Butanone | ND | 0.0500 | mg/kg wet | | | | | | | |
| 2-Chlorotoluene | ND | 0.0050 | mg/kg wet | | | | | | | |
| 2-Hexanone | ND | 0.0500 | mg/kg wet | | | | | | | |
| 4-Chlorotoluene | ND | 0.0050 | mg/kg wet | | | | | | | |
| 4-Isopropyltoluene | ND | 0.0050 | mg/kg wet | | | | | | | |
| 4-Methyl-2-Pentanone | ND | 0.0500 | mg/kg wet | | | | | | | |
| Acetone | ND | 0.0500 | mg/kg wet | | | | | | | |
| Benzene | ND | 0.0050 | mg/kg wet | | | | | | | |
| Bromobenzene | ND | 0.0050 | mg/kg wet | | | | | | | |
| Bromochloromethane | ND | 0.0050 | mg/kg wet | | | | | | | |
| Bromodichloromethane | ND | 0.0050 | mg/kg wet | | | | | | | |
| Bromoform | ND | 0.0050 | mg/kg wet | | | | | | | |
| Bromomethane | ND | 0.0100 | mg/kg wet | | | | | | | |
| Carbon Disulfide | ND | 0.0050 | mg/kg wet | | | | | | | |
| Carbon Tetrachloride | ND | 0.0050 | mg/kg wet | | | | | | | |
| Chlorobenzene | ND | 0.0050 | mg/kg wet | | | | | | | |
| Chloroethane | ND | 0.0100 | mg/kg wet | | | | | | | |
| Chloroform | ND | 0.0050 | mg/kg wet | | | | | | | |
| Chloromethane | ND | 0.0100 | mg/kg wet | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.0050 | mg/kg wet | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.0050 | mg/kg wet | | | | | | | |
| Dibromochloromethane | ND | 0.0050 | mg/kg wet | | | | | | | |
| Dibromomethane | ND | 0.0050 | mg/kg wet | | | | | | | |
| Dichlorodifluoromethane | ND | 0.0100 | mg/kg wet | | | | | | | |
| Diethyl Ether | ND | 0.0050 | mg/kg wet | | | | | | | |
| Di-isopropyl ether | ND | 0.0050 | mg/kg wet | | | | | | | |
| Ethyl tertiary-butyl ether | ND | 0.0050 | mg/kg wet | | | | | | | |
| Ethylbenzene | ND | 0.0050 | mg/kg wet | | | | | | | |
| Hexachlorobutadiene | ND | 0.0050 | mg/kg wet | | | | | | | |
| Isopropylbenzene | ND | 0.0050 | mg/kg wet | | | | | | | |
| Methyl tert-Butyl Ether | ND | 0.0050 | mg/kg wet | | | | | | | |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.

Client Project ID: Godfrey Brook Improvement 401 WQ

ESS Laboratory Work Order: 24C0572

Quality Control Data

| Analyte | Result | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|

Volatile Organics Low Level

Batch DC42127 - 5035

| | | | | | | | | | | |
|----------------------------|----|--------|-----------|--|--|--|--|--|--|--|
| Methylene Chloride | ND | 0.0250 | mg/kg wet | | | | | | | |
| Naphthalene | ND | 0.0050 | mg/kg wet | | | | | | | |
| n-Butylbenzene | ND | 0.0050 | mg/kg wet | | | | | | | |
| n-Propylbenzene | ND | 0.0050 | mg/kg wet | | | | | | | |
| sec-Butylbenzene | ND | 0.0050 | mg/kg wet | | | | | | | |
| Styrene | ND | 0.0050 | mg/kg wet | | | | | | | |
| tert-Butylbenzene | ND | 0.0050 | mg/kg wet | | | | | | | |
| Tertiary-amyl methyl ether | ND | 0.0050 | mg/kg wet | | | | | | | |
| Tetrachloroethene | ND | 0.0050 | mg/kg wet | | | | | | | |
| Tetrahydrofuran | ND | 0.0200 | mg/kg wet | | | | | | | |
| Toluene | ND | 0.0050 | mg/kg wet | | | | | | | |
| trans-1,2-Dichloroethene | ND | 0.0050 | mg/kg wet | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.0050 | mg/kg wet | | | | | | | |
| Trichloroethene | ND | 0.0050 | mg/kg wet | | | | | | | |
| Trichlorofluoromethane | ND | 0.0050 | mg/kg wet | | | | | | | |
| Vinyl Chloride | ND | 0.0100 | mg/kg wet | | | | | | | |
| Xylene O | ND | 0.0050 | mg/kg wet | | | | | | | |
| Xylene P,M | ND | 0.0100 | mg/kg wet | | | | | | | |

LCS

| | | | | | | | | | | |
|-----------------------------|--------|--------|-----------|---------|--|-----|--------|--|--|--|
| 1,1,1,2-Tetrachloroethane | 0.0476 | 0.0050 | mg/kg wet | 0.05000 | | 95 | 70-130 | | | |
| 1,1,1-Trichloroethane | 0.0487 | 0.0050 | mg/kg wet | 0.05000 | | 97 | 70-130 | | | |
| 1,1,2,2-Tetrachloroethane | 0.0500 | 0.0050 | mg/kg wet | 0.05000 | | 100 | 40-160 | | | |
| 1,1,2-Trichloroethane | 0.0474 | 0.0050 | mg/kg wet | 0.05000 | | 95 | 70-130 | | | |
| 1,1-Dichloroethane | 0.0476 | 0.0050 | mg/kg wet | 0.05000 | | 95 | 70-130 | | | |
| 1,1-Dichloroethene | 0.0519 | 0.0050 | mg/kg wet | 0.05000 | | 104 | 70-130 | | | |
| 1,1-Dichloropropene | 0.0466 | 0.0050 | mg/kg wet | 0.05000 | | 93 | 70-130 | | | |
| 1,2,3-Trichlorobenzene | 0.0464 | 0.0050 | mg/kg wet | 0.05000 | | 93 | 70-130 | | | |
| 1,2,3-Trichloropropane | 0.0455 | 0.0050 | mg/kg wet | 0.05000 | | 91 | 70-130 | | | |
| 1,2,4-Trichlorobenzene | 0.0462 | 0.0050 | mg/kg wet | 0.05000 | | 92 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0481 | 0.0050 | mg/kg wet | 0.05000 | | 96 | 70-130 | | | |
| 1,2-Dibromo-3-Chloropropane | 0.0508 | 0.0050 | mg/kg wet | 0.05000 | | 102 | 70-130 | | | |
| 1,2-Dibromoethane | 0.0503 | 0.0050 | mg/kg wet | 0.05000 | | 101 | 70-130 | | | |
| 1,2-Dichlorobenzene | 0.0459 | 0.0050 | mg/kg wet | 0.05000 | | 92 | 70-130 | | | |
| 1,2-Dichloroethane | 0.0459 | 0.0050 | mg/kg wet | 0.05000 | | 92 | 70-130 | | | |
| 1,2-Dichloropropane | 0.0475 | 0.0050 | mg/kg wet | 0.05000 | | 95 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0481 | 0.0050 | mg/kg wet | 0.05000 | | 96 | 70-130 | | | |
| 1,3-Dichlorobenzene | 0.0449 | 0.0050 | mg/kg wet | 0.05000 | | 90 | 70-130 | | | |
| 1,3-Dichloropropane | 0.0490 | 0.0050 | mg/kg wet | 0.05000 | | 98 | 70-130 | | | |
| 1,4-Dichlorobenzene | 0.0459 | 0.0050 | mg/kg wet | 0.05000 | | 92 | 70-130 | | | |
| 1,4-Dioxane | 1.07 | 0.100 | mg/kg wet | 1.000 | | 107 | 70-130 | | | |
| 2,2-Dichloropropane | 0.0425 | 0.0050 | mg/kg wet | 0.05000 | | 85 | 70-130 | | | |
| 2-Butanone | 0.229 | 0.0500 | mg/kg wet | 0.2500 | | 92 | 40-160 | | | |
| 2-Chlorotoluene | 0.0463 | 0.0050 | mg/kg wet | 0.05000 | | 93 | 70-130 | | | |
| 2-Hexanone | 0.256 | 0.0500 | mg/kg wet | 0.2500 | | 102 | 40-160 | | | |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.

Client Project ID: Godfrey Brook Improvement 401 WQ

ESS Laboratory Work Order: 24C0572

Quality Control Data

| Analyte | Result | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|

Volatile Organics Low Level

Batch DC42127 - 5035

| | | | | | | | | | | |
|----------------------------|--------|--------|-----------|---------|--|-----|--------|--|--|--|
| 4-Chlorotoluene | 0.0456 | 0.0050 | mg/kg wet | 0.05000 | | 91 | 70-130 | | | |
| 4-Isopropyltoluene | 0.0457 | 0.0050 | mg/kg wet | 0.05000 | | 91 | 70-130 | | | |
| 4-Methyl-2-Pentanone | 0.249 | 0.0500 | mg/kg wet | 0.2500 | | 100 | 40-160 | | | |
| Acetone | 0.205 | 0.0500 | mg/kg wet | 0.2500 | | 82 | 40-160 | | | |
| Benzene | 0.0475 | 0.0050 | mg/kg wet | 0.05000 | | 95 | 70-130 | | | |
| Bromobenzene | 0.0468 | 0.0050 | mg/kg wet | 0.05000 | | 94 | 70-130 | | | |
| Bromochloromethane | 0.0501 | 0.0050 | mg/kg wet | 0.05000 | | 100 | 70-130 | | | |
| Bromodichloromethane | 0.0531 | 0.0050 | mg/kg wet | 0.05000 | | 106 | 70-130 | | | |
| Bromoform | 0.0490 | 0.0050 | mg/kg wet | 0.05000 | | 98 | 40-160 | | | |
| Bromomethane | 0.0447 | 0.0100 | mg/kg wet | 0.05000 | | 89 | 40-160 | | | |
| Carbon Disulfide | 0.0483 | 0.0050 | mg/kg wet | 0.05000 | | 97 | 70-130 | | | |
| Carbon Tetrachloride | 0.0481 | 0.0050 | mg/kg wet | 0.05000 | | 96 | 70-130 | | | |
| Chlorobenzene | 0.0465 | 0.0050 | mg/kg wet | 0.05000 | | 93 | 70-130 | | | |
| Chloroethane | 0.0464 | 0.0100 | mg/kg wet | 0.05000 | | 93 | 40-160 | | | |
| Chloroform | 0.0478 | 0.0050 | mg/kg wet | 0.05000 | | 96 | 70-130 | | | |
| Chloromethane | 0.0468 | 0.0100 | mg/kg wet | 0.05000 | | 94 | 40-160 | | | |
| cis-1,2-Dichloroethene | 0.0499 | 0.0050 | mg/kg wet | 0.05000 | | 100 | 70-130 | | | |
| cis-1,3-Dichloropropene | 0.0519 | 0.0050 | mg/kg wet | 0.05000 | | 104 | 40-160 | | | |
| Dibromochloromethane | 0.0551 | 0.0050 | mg/kg wet | 0.05000 | | 110 | 40-160 | | | |
| Dibromomethane | 0.0487 | 0.0050 | mg/kg wet | 0.05000 | | 97 | 70-130 | | | |
| Dichlorodifluoromethane | 0.0342 | 0.0100 | mg/kg wet | 0.05000 | | 68 | 40-160 | | | |
| Diethyl Ether | 0.0499 | 0.0050 | mg/kg wet | 0.05000 | | 100 | 70-130 | | | |
| Di-isopropyl ether | 0.0494 | 0.0050 | mg/kg wet | 0.05000 | | 99 | 70-130 | | | |
| Ethyl tertiary-butyl ether | 0.0520 | 0.0050 | mg/kg wet | 0.05000 | | 104 | 70-130 | | | |
| Ethylbenzene | 0.0473 | 0.0050 | mg/kg wet | 0.05000 | | 95 | 70-130 | | | |
| Hexachlorobutadiene | 0.0444 | 0.0050 | mg/kg wet | 0.05000 | | 89 | 40-160 | | | |
| Isopropylbenzene | 0.0510 | 0.0050 | mg/kg wet | 0.05000 | | 102 | 70-130 | | | |
| Methyl tert-Butyl Ether | 0.0495 | 0.0050 | mg/kg wet | 0.05000 | | 99 | 70-130 | | | |
| Methylene Chloride | 0.0492 | 0.0250 | mg/kg wet | 0.05000 | | 98 | 70-130 | | | |
| Naphthalene | 0.0492 | 0.0050 | mg/kg wet | 0.05000 | | 98 | 40-160 | | | |
| n-Butylbenzene | 0.0472 | 0.0050 | mg/kg wet | 0.05000 | | 94 | 70-130 | | | |
| n-Propylbenzene | 0.0474 | 0.0050 | mg/kg wet | 0.05000 | | 95 | 70-130 | | | |
| sec-Butylbenzene | 0.0449 | 0.0050 | mg/kg wet | 0.05000 | | 90 | 70-130 | | | |
| Styrene | 0.0483 | 0.0050 | mg/kg wet | 0.05000 | | 97 | 40-160 | | | |
| tert-Butylbenzene | 0.0472 | 0.0050 | mg/kg wet | 0.05000 | | 94 | 70-130 | | | |
| Tertiary-amyl methyl ether | 0.0551 | 0.0050 | mg/kg wet | 0.05000 | | 110 | 70-130 | | | |
| Tetrachloroethene | 0.0361 | 0.0050 | mg/kg wet | 0.05000 | | 72 | 70-130 | | | |
| Tetrahydrofuran | 0.0515 | 0.0200 | mg/kg wet | 0.05000 | | 103 | 70-130 | | | |
| Toluene | 0.0475 | 0.0050 | mg/kg wet | 0.05000 | | 95 | 70-130 | | | |
| trans-1,2-Dichloroethene | 0.0503 | 0.0050 | mg/kg wet | 0.05000 | | 101 | 70-130 | | | |
| trans-1,3-Dichloropropene | 0.0489 | 0.0050 | mg/kg wet | 0.05000 | | 98 | 70-130 | | | |
| Trichloroethene | 0.0454 | 0.0050 | mg/kg wet | 0.05000 | | 91 | 70-130 | | | |
| Trichlorofluoromethane | 0.0443 | 0.0050 | mg/kg wet | 0.05000 | | 89 | 40-160 | | | |
| Vinyl Chloride | 0.0448 | 0.0100 | mg/kg wet | 0.05000 | | 90 | 70-130 | | | |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.

Client Project ID: Godfrey Brook Improvement 401 WQ

ESS Laboratory Work Order: 24C0572

Quality Control Data

| Analyte | Result | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|

Volatile Organics Low Level

Batch DC42127 - 5035

| | | | | | | | | | | |
|------------|--------|--------|-----------|---------|--|----|--------|--|--|--|
| Xylene O | 0.0487 | 0.0050 | mg/kg wet | 0.05000 | | 97 | 70-130 | | | |
| Xylene P,M | 0.0978 | 0.0100 | mg/kg wet | 0.1000 | | 98 | 70-130 | | | |

LCS Dup

| | | | | | | | | | | |
|-----------------------------|--------|--------|-----------|---------|--|-----|--------|----|----|--|
| 1,1,1,2-Tetrachloroethane | 0.0495 | 0.0050 | mg/kg wet | 0.05000 | | 99 | 70-130 | 4 | 20 | |
| 1,1,1-Trichloroethane | 0.0536 | 0.0050 | mg/kg wet | 0.05000 | | 107 | 70-130 | 9 | 20 | |
| 1,1,2,2-Tetrachloroethane | 0.0525 | 0.0050 | mg/kg wet | 0.05000 | | 105 | 40-160 | 5 | 20 | |
| 1,1,2-Trichloroethane | 0.0491 | 0.0050 | mg/kg wet | 0.05000 | | 98 | 70-130 | 3 | 20 | |
| 1,1-Dichloroethane | 0.0515 | 0.0050 | mg/kg wet | 0.05000 | | 103 | 70-130 | 8 | 20 | |
| 1,1-Dichloroethene | 0.0577 | 0.0050 | mg/kg wet | 0.05000 | | 115 | 70-130 | 11 | 20 | |
| 1,1-Dichloropropene | 0.0512 | 0.0050 | mg/kg wet | 0.05000 | | 102 | 70-130 | 10 | 20 | |
| 1,2,3-Trichlorobenzene | 0.0478 | 0.0050 | mg/kg wet | 0.05000 | | 96 | 70-130 | 3 | 20 | |
| 1,2,3-Trichloropropane | 0.0471 | 0.0050 | mg/kg wet | 0.05000 | | 94 | 70-130 | 4 | 20 | |
| 1,2,4-Trichlorobenzene | 0.0473 | 0.0050 | mg/kg wet | 0.05000 | | 95 | 70-130 | 2 | 20 | |
| 1,2,4-Trimethylbenzene | 0.0513 | 0.0050 | mg/kg wet | 0.05000 | | 103 | 70-130 | 6 | 20 | |
| 1,2-Dibromo-3-Chloropropane | 0.0534 | 0.0050 | mg/kg wet | 0.05000 | | 107 | 70-130 | 5 | 20 | |
| 1,2-Dibromoethane | 0.0509 | 0.0050 | mg/kg wet | 0.05000 | | 102 | 70-130 | 1 | 20 | |
| 1,2-Dichlorobenzene | 0.0481 | 0.0050 | mg/kg wet | 0.05000 | | 96 | 70-130 | 5 | 20 | |
| 1,2-Dichloroethane | 0.0480 | 0.0050 | mg/kg wet | 0.05000 | | 96 | 70-130 | 5 | 20 | |
| 1,2-Dichloropropane | 0.0499 | 0.0050 | mg/kg wet | 0.05000 | | 100 | 70-130 | 5 | 20 | |
| 1,3,5-Trimethylbenzene | 0.0514 | 0.0050 | mg/kg wet | 0.05000 | | 103 | 70-130 | 7 | 20 | |
| 1,3-Dichlorobenzene | 0.0470 | 0.0050 | mg/kg wet | 0.05000 | | 94 | 70-130 | 4 | 20 | |
| 1,3-Dichloropropane | 0.0504 | 0.0050 | mg/kg wet | 0.05000 | | 101 | 70-130 | 3 | 20 | |
| 1,4-Dichlorobenzene | 0.0481 | 0.0050 | mg/kg wet | 0.05000 | | 96 | 70-130 | 5 | 20 | |
| 1,4-Dioxane | 1.21 | 0.100 | mg/kg wet | 1.000 | | 121 | 70-130 | 12 | 20 | |
| 2,2-Dichloropropane | 0.0472 | 0.0050 | mg/kg wet | 0.05000 | | 94 | 70-130 | 10 | 20 | |
| 2-Butanone | 0.246 | 0.0500 | mg/kg wet | 0.2500 | | 98 | 40-160 | 7 | 20 | |
| 2-Chlorotoluene | 0.0494 | 0.0050 | mg/kg wet | 0.05000 | | 99 | 70-130 | 7 | 20 | |
| 2-Hexanone | 0.271 | 0.0500 | mg/kg wet | 0.2500 | | 109 | 40-160 | 6 | 20 | |
| 4-Chlorotoluene | 0.0483 | 0.0050 | mg/kg wet | 0.05000 | | 97 | 70-130 | 6 | 20 | |
| 4-Isopropyltoluene | 0.0493 | 0.0050 | mg/kg wet | 0.05000 | | 99 | 70-130 | 8 | 20 | |
| 4-Methyl-2-Pentanone | 0.265 | 0.0500 | mg/kg wet | 0.2500 | | 106 | 40-160 | 6 | 20 | |
| Acetone | 0.228 | 0.0500 | mg/kg wet | 0.2500 | | 91 | 40-160 | 11 | 20 | |
| Benzene | 0.0509 | 0.0050 | mg/kg wet | 0.05000 | | 102 | 70-130 | 7 | 20 | |
| Bromobenzene | 0.0489 | 0.0050 | mg/kg wet | 0.05000 | | 98 | 70-130 | 4 | 20 | |
| Bromochloromethane | 0.0514 | 0.0050 | mg/kg wet | 0.05000 | | 103 | 70-130 | 3 | 20 | |
| Bromodichloromethane | 0.0553 | 0.0050 | mg/kg wet | 0.05000 | | 111 | 70-130 | 4 | 20 | |
| Bromoform | 0.0498 | 0.0050 | mg/kg wet | 0.05000 | | 100 | 40-160 | 2 | 20 | |
| Bromomethane | 0.0481 | 0.0100 | mg/kg wet | 0.05000 | | 96 | 40-160 | 7 | 20 | |
| Carbon Disulfide | 0.0531 | 0.0050 | mg/kg wet | 0.05000 | | 106 | 70-130 | 10 | 20 | |
| Carbon Tetrachloride | 0.0535 | 0.0050 | mg/kg wet | 0.05000 | | 107 | 70-130 | 11 | 20 | |
| Chlorobenzene | 0.0482 | 0.0050 | mg/kg wet | 0.05000 | | 96 | 70-130 | 3 | 20 | |
| Chloroethane | 0.0507 | 0.0100 | mg/kg wet | 0.05000 | | 101 | 40-160 | 9 | 20 | |
| Chloroform | 0.0510 | 0.0050 | mg/kg wet | 0.05000 | | 102 | 70-130 | 6 | 20 | |
| Chloromethane | 0.0503 | 0.0100 | mg/kg wet | 0.05000 | | 101 | 40-160 | 7 | 20 | |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.

Client Project ID: Godfrey Brook Improvement 401 WQ

ESS Laboratory Work Order: 24C0572

Quality Control Data

| Analyte | Result | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|

Volatile Organics Low Level

Batch DC42127 - 5035

| | | | | | | | | | | |
|----------------------------|--------|--------|-----------|---------|--|-----|--------|----|----|--|
| cis-1,2-Dichloroethene | 0.0530 | 0.0050 | mg/kg wet | 0.05000 | | 106 | 70-130 | 6 | 20 | |
| cis-1,3-Dichloropropene | 0.0540 | 0.0050 | mg/kg wet | 0.05000 | | 108 | 40-160 | 4 | 20 | |
| Dibromochloromethane | 0.0561 | 0.0050 | mg/kg wet | 0.05000 | | 112 | 40-160 | 2 | 20 | |
| Dibromomethane | 0.0509 | 0.0050 | mg/kg wet | 0.05000 | | 102 | 70-130 | 4 | 20 | |
| Dichlorodifluoromethane | 0.0372 | 0.0100 | mg/kg wet | 0.05000 | | 74 | 40-160 | 8 | 20 | |
| Diethyl Ether | 0.0518 | 0.0050 | mg/kg wet | 0.05000 | | 104 | 70-130 | 4 | 20 | |
| Di-isopropyl ether | 0.0518 | 0.0050 | mg/kg wet | 0.05000 | | 104 | 70-130 | 5 | 20 | |
| Ethyl tertiary-butyl ether | 0.0544 | 0.0050 | mg/kg wet | 0.05000 | | 109 | 70-130 | 4 | 20 | |
| Ethylbenzene | 0.0501 | 0.0050 | mg/kg wet | 0.05000 | | 100 | 70-130 | 6 | 20 | |
| Hexachlorobutadiene | 0.0478 | 0.0050 | mg/kg wet | 0.05000 | | 96 | 40-160 | 7 | 20 | |
| Isopropylbenzene | 0.0554 | 0.0050 | mg/kg wet | 0.05000 | | 111 | 70-130 | 8 | 20 | |
| Methyl tert-Butyl Ether | 0.0515 | 0.0050 | mg/kg wet | 0.05000 | | 103 | 70-130 | 4 | 20 | |
| Methylene Chloride | 0.0521 | 0.0250 | mg/kg wet | 0.05000 | | 104 | 70-130 | 6 | 20 | |
| Naphthalene | 0.0523 | 0.0050 | mg/kg wet | 0.05000 | | 105 | 40-160 | 6 | 20 | |
| n-Butylbenzene | 0.0506 | 0.0050 | mg/kg wet | 0.05000 | | 101 | 70-130 | 7 | 20 | |
| n-Propylbenzene | 0.0514 | 0.0050 | mg/kg wet | 0.05000 | | 103 | 70-130 | 8 | 20 | |
| sec-Butylbenzene | 0.0488 | 0.0050 | mg/kg wet | 0.05000 | | 98 | 70-130 | 8 | 20 | |
| Styrene | 0.0503 | 0.0050 | mg/kg wet | 0.05000 | | 101 | 40-160 | 4 | 20 | |
| tert-Butylbenzene | 0.0510 | 0.0050 | mg/kg wet | 0.05000 | | 102 | 70-130 | 8 | 20 | |
| Tertiary-amyl methyl ether | 0.0569 | 0.0050 | mg/kg wet | 0.05000 | | 114 | 70-130 | 3 | 20 | |
| Tetrachloroethene | 0.0391 | 0.0050 | mg/kg wet | 0.05000 | | 78 | 70-130 | 8 | 20 | |
| Tetrahydrofuran | 0.0562 | 0.0200 | mg/kg wet | 0.05000 | | 112 | 70-130 | 9 | 20 | |
| Toluene | 0.0513 | 0.0050 | mg/kg wet | 0.05000 | | 103 | 70-130 | 8 | 20 | |
| trans-1,2-Dichloroethene | 0.0545 | 0.0050 | mg/kg wet | 0.05000 | | 109 | 70-130 | 8 | 20 | |
| trans-1,3-Dichloropropene | 0.0502 | 0.0050 | mg/kg wet | 0.05000 | | 100 | 70-130 | 3 | 20 | |
| Trichloroethene | 0.0491 | 0.0050 | mg/kg wet | 0.05000 | | 98 | 70-130 | 8 | 20 | |
| Trichlorofluoromethane | 0.0493 | 0.0050 | mg/kg wet | 0.05000 | | 99 | 40-160 | 11 | 20 | |
| Vinyl Chloride | 0.0490 | 0.0100 | mg/kg wet | 0.05000 | | 98 | 70-130 | 9 | 20 | |
| Xylene O | 0.0513 | 0.0050 | mg/kg wet | 0.05000 | | 103 | 70-130 | 5 | 20 | |
| Xylene P,M | 0.104 | 0.0100 | mg/kg wet | 0.1000 | | 104 | 70-130 | 6 | 20 | |

MADEP-EPH Extractable Petroleum Hydrocarbons

Batch DC41945 - 3546

| | | | | | | | | | | |
|-------------------------------|----|-------|-----------|--|--|--|--|--|--|--|
| Blank | | | | | | | | | | |
| C19-C36 Aliphatics1 | ND | 15.0 | mg/kg wet | | | | | | | |
| C9-C18 Aliphatics1 | ND | 15.0 | mg/kg wet | | | | | | | |
| Blank | | | | | | | | | | |
| C11-C22 Unadjusted Aromatics1 | ND | 15.0 | mg/kg wet | | | | | | | |
| Blank | | | | | | | | | | |
| 2-Methylnaphthalene | ND | 0.008 | mg/kg wet | | | | | | | |
| Acenaphthene | ND | 0.008 | mg/kg wet | | | | | | | |
| Acenaphthylene | ND | 0.008 | mg/kg wet | | | | | | | |
| Anthracene | ND | 0.008 | mg/kg wet | | | | | | | |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.

Client Project ID: Godfrey Brook Improvement 401 WQ

ESS Laboratory Work Order: 24C0572

Quality Control Data

| Analyte | Result | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|

MADEP-EPH Extractable Petroleum Hydrocarbons

Batch DC41945 - 3546

| | | | | | | | | | | |
|------------------------|----|-------|-----------|--|--|--|--|--|--|--|
| Benzo(a)anthracene | ND | 0.008 | mg/kg wet | | | | | | | |
| Benzo(a)pyrene | ND | 0.008 | mg/kg wet | | | | | | | |
| Benzo(b)fluoranthene | ND | 0.008 | mg/kg wet | | | | | | | |
| Benzo(g,h,i)perylene | ND | 0.008 | mg/kg wet | | | | | | | |
| Benzo(k)fluoranthene | ND | 0.008 | mg/kg wet | | | | | | | |
| Chrysene | ND | 0.008 | mg/kg wet | | | | | | | |
| Dibenzo(a,h)Anthracene | ND | 0.008 | mg/kg wet | | | | | | | |
| Fluoranthene | ND | 0.008 | mg/kg wet | | | | | | | |
| Fluorene | ND | 0.008 | mg/kg wet | | | | | | | |
| Indeno(1,2,3-cd)Pyrene | ND | 0.008 | mg/kg wet | | | | | | | |
| Naphthalene | ND | 0.008 | mg/kg wet | | | | | | | |
| Phenanthrene | ND | 0.008 | mg/kg wet | | | | | | | |
| Pyrene | ND | 0.008 | mg/kg wet | | | | | | | |

LCS

| | | | | | | | | | | |
|---------------------|------|------|-----------|-------|--|----|--------|--|--|--|
| C19-C36 Aliphatics1 | 12.9 | 15.0 | mg/kg wet | 16.00 | | 81 | 40-140 | | | |
| C9-C18 Aliphatics1 | 7.8 | 15.0 | mg/kg wet | 12.00 | | 65 | 40-140 | | | |

LCS

| | | | | | | | | | | |
|-------------------------------|------|------|-----------|-------|--|----|--------|--|--|--|
| C11-C22 Unadjusted Aromatics1 | 29.1 | 15.0 | mg/kg wet | 34.00 | | 86 | 40-140 | | | |
|-------------------------------|------|------|-----------|-------|--|----|--------|--|--|--|

LCS

| | | | | | | | | | | |
|----------------------------------|-----|--|---|--|--|--|-----|--|--|--|
| 2-Methylnaphthalene Breakthrough | 0.0 | | % | | | | 0-5 | | | |
| Naphthalene Breakthrough | 0.0 | | % | | | | 0-5 | | | |

LCS

| | | | | | | | | | | |
|------------------------|------|-------|-----------|-------|--|----|--------|--|--|--|
| 2-Methylnaphthalene | 1.14 | 0.040 | mg/kg wet | 2.000 | | 57 | 40-140 | | | |
| Acenaphthene | 1.20 | 0.040 | mg/kg wet | 2.000 | | 60 | 40-140 | | | |
| Acenaphthylene | 1.28 | 0.040 | mg/kg wet | 2.000 | | 64 | 40-140 | | | |
| Anthracene | 1.41 | 0.040 | mg/kg wet | 2.000 | | 70 | 40-140 | | | |
| Benzo(a)anthracene | 1.30 | 0.040 | mg/kg wet | 2.000 | | 65 | 40-140 | | | |
| Benzo(a)pyrene | 1.50 | 0.040 | mg/kg wet | 2.000 | | 75 | 40-140 | | | |
| Benzo(b)fluoranthene | 1.58 | 0.040 | mg/kg wet | 2.000 | | 79 | 40-140 | | | |
| Benzo(g,h,i)perylene | 1.37 | 0.040 | mg/kg wet | 2.000 | | 68 | 40-140 | | | |
| Benzo(k)fluoranthene | 1.38 | 0.040 | mg/kg wet | 2.000 | | 69 | 40-140 | | | |
| Chrysene | 1.32 | 0.040 | mg/kg wet | 2.000 | | 66 | 40-140 | | | |
| Dibenzo(a,h)Anthracene | 1.41 | 0.040 | mg/kg wet | 2.000 | | 70 | 40-140 | | | |
| Fluoranthene | 1.49 | 0.040 | mg/kg wet | 2.000 | | 74 | 40-140 | | | |
| Fluorene | 1.21 | 0.040 | mg/kg wet | 2.000 | | 60 | 40-140 | | | |
| Indeno(1,2,3-cd)Pyrene | 1.37 | 0.040 | mg/kg wet | 2.000 | | 68 | 40-140 | | | |
| Naphthalene | 1.13 | 0.040 | mg/kg wet | 2.000 | | 57 | 40-140 | | | |
| Phenanthrene | 1.31 | 0.040 | mg/kg wet | 2.000 | | 65 | 40-140 | | | |
| Pyrene | 1.37 | 0.040 | mg/kg wet | 2.000 | | 69 | 40-140 | | | |

LCS Dup

| | | | | | | | | | | |
|---------------------|------|------|-----------|-------|--|----|--------|---|----|--|
| C19-C36 Aliphatics1 | 13.1 | 15.0 | mg/kg wet | 16.00 | | 82 | 40-140 | 1 | 25 | |
| C9-C18 Aliphatics1 | 8.3 | 15.0 | mg/kg wet | 12.00 | | 69 | 40-140 | 6 | 25 | |

LCS Dup

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.

Client Project ID: Godfrey Brook Improvement 401 WQ

ESS Laboratory Work Order: 24C0572

Quality Control Data

| Analyte | Result | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|

MADEP-EPH Extractable Petroleum Hydrocarbons

Batch DC41945 - 3546

| | | | | | | | | | | |
|-------------------------------|------|------|-----------|-------|--|----|--------|------|----|--|
| C11-C22 Unadjusted Aromatics1 | 29.2 | 15.0 | mg/kg wet | 34.00 | | 86 | 40-140 | 0.09 | 25 | |
|-------------------------------|------|------|-----------|-------|--|----|--------|------|----|--|

LCS Dup

| | | | | | | | | | | |
|----------------------------------|-----|--|---|--|--|--|-----|--|-----|--|
| 2-Methylnaphthalene Breakthrough | 0.0 | | % | | | | 0-5 | | 200 | |
| Naphthalene Breakthrough | 0.0 | | % | | | | 0-5 | | 200 | |

LCS Dup

| | | | | | | | | | | |
|------------------------|------|-------|-----------|-------|--|----|--------|----|----|--|
| 2-Methylnaphthalene | 1.21 | 0.040 | mg/kg wet | 2.000 | | 60 | 40-140 | 6 | 30 | |
| Acenaphthene | 1.31 | 0.040 | mg/kg wet | 2.000 | | 65 | 40-140 | 9 | 30 | |
| Acenaphthylene | 1.39 | 0.040 | mg/kg wet | 2.000 | | 70 | 40-140 | 8 | 30 | |
| Anthracene | 1.52 | 0.040 | mg/kg wet | 2.000 | | 76 | 40-140 | 8 | 30 | |
| Benzo(a)anthracene | 1.43 | 0.040 | mg/kg wet | 2.000 | | 71 | 40-140 | 9 | 30 | |
| Benzo(a)pyrene | 1.59 | 0.040 | mg/kg wet | 2.000 | | 80 | 40-140 | 6 | 30 | |
| Benzo(b)fluoranthene | 1.63 | 0.040 | mg/kg wet | 2.000 | | 81 | 40-140 | 3 | 30 | |
| Benzo(g,h,i)perylene | 1.48 | 0.040 | mg/kg wet | 2.000 | | 74 | 40-140 | 8 | 30 | |
| Benzo(k)fluoranthene | 1.48 | 0.040 | mg/kg wet | 2.000 | | 74 | 40-140 | 7 | 30 | |
| Chrysene | 1.47 | 0.040 | mg/kg wet | 2.000 | | 73 | 40-140 | 10 | 30 | |
| Dibenzo(a,h)Anthracene | 1.52 | 0.040 | mg/kg wet | 2.000 | | 76 | 40-140 | 8 | 30 | |
| Fluoranthene | 1.58 | 0.040 | mg/kg wet | 2.000 | | 79 | 40-140 | 6 | 30 | |
| Fluorene | 1.31 | 0.040 | mg/kg wet | 2.000 | | 66 | 40-140 | 8 | 30 | |
| Indeno(1,2,3-cd)Pyrene | 1.47 | 0.040 | mg/kg wet | 2.000 | | 74 | 40-140 | 7 | 30 | |
| Naphthalene | 1.21 | 0.040 | mg/kg wet | 2.000 | | 61 | 40-140 | 7 | 30 | |
| Phenanthrene | 1.41 | 0.040 | mg/kg wet | 2.000 | | 71 | 40-140 | 7 | 30 | |
| Pyrene | 1.52 | 0.040 | mg/kg wet | 2.000 | | 76 | 40-140 | 10 | 30 | |

Classical Chemistry

Batch DC41944 - General Preparation

| | | | | | | | | | | |
|--------------------------|----|-----|-------|--|--|--|--|--|--|--|
| Blank | | | | | | | | | | |
| Total Organic Carbon (1) | ND | 500 | mg/kg | | | | | | | |
| Total Organic Carbon (2) | ND | 500 | mg/kg | | | | | | | |

LCS

| | | | | | | | | | | |
|--------------------------|------|-----|-------|-------|--|----|--------|--|--|--|
| Total Organic Carbon (1) | 9530 | 500 | mg/kg | 10010 | | 95 | 80-120 | | | |
| Total Organic Carbon (2) | 9440 | 500 | mg/kg | 10010 | | 94 | 80-120 | | | |

LCS Dup

| | | | | | | | | | | |
|--------------------------|------|-----|-------|-------|--|----|--------|-----|----|--|
| Total Organic Carbon (1) | 9560 | 500 | mg/kg | 10010 | | 96 | 80-120 | 0.3 | 25 | |
| Total Organic Carbon (2) | 9350 | 500 | mg/kg | 10010 | | 93 | 80-120 | 0.9 | 25 | |

8082 Polychlorinated Biphenyls (PCB) / Congeners

Batch DC42607 - 3540C

| | | | | | | | | | | |
|--------------|----|---------|-----------|--|--|--|--|--|--|--|
| Blank | | | | | | | | | | |
| BZ#101 | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#101 [2C] | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#105 | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#105 [2C] | ND | 0.00027 | mg/kg wet | | | | | | | |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.

Client Project ID: Godfrey Brook Improvement 401 WQ

ESS Laboratory Work Order: 24C0572

Quality Control Data

| Analyte | Result | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|

8082 Polychlorinated Biphenyls (PCB) / Congeners

Batch DC42607 - 3540C

| | | | | | | | | | | |
|-------------|----|---------|-----------|--|--|--|--|--|--|--|
| BZ#118 | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#118 [2C] | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#128 | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#128 [2C] | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#138 | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#138 [2C] | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#153 | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#153 [2C] | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#170 | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#170 [2C] | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#18 | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#18 [2C] | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#180 | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#180 [2C] | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#187 | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#187 [2C] | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#195 | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#195 [2C] | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#206 | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#206 [2C] | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#209 | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#209 [2C] | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#28 | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#28 [2C] | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#44 | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#44 [2C] | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#52 | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#52 [2C] | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#66 | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#66 [2C] | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#8 | ND | 0.00027 | mg/kg wet | | | | | | | |
| BZ#8 [2C] | ND | 0.00027 | mg/kg wet | | | | | | | |

LCS

| | | | | | | | | | | |
|-------------|---------|---------|-----------|----------|--|----|--------|--|--|--|
| BZ#101 | 0.00283 | 0.00027 | mg/kg wet | 0.003333 | | 85 | 40-140 | | | |
| BZ#101 [2C] | 0.00272 | 0.00027 | mg/kg wet | 0.003333 | | 82 | 40-140 | | | |
| BZ#105 | 0.00315 | 0.00027 | mg/kg wet | 0.003333 | | 94 | 40-140 | | | |
| BZ#105 [2C] | 0.00317 | 0.00027 | mg/kg wet | 0.003333 | | 95 | 40-140 | | | |
| BZ#118 | 0.00264 | 0.00027 | mg/kg wet | 0.003333 | | 79 | 40-140 | | | |
| BZ#118 [2C] | 0.00292 | 0.00027 | mg/kg wet | 0.003333 | | 88 | 40-140 | | | |
| BZ#128 | 0.00318 | 0.00027 | mg/kg wet | 0.003333 | | 95 | 40-140 | | | |
| BZ#128 [2C] | 0.00295 | 0.00027 | mg/kg wet | 0.003333 | | 89 | 40-140 | | | |
| BZ#138 | 0.00288 | 0.00027 | mg/kg wet | 0.003333 | | 86 | 40-140 | | | |
| BZ#138 [2C] | 0.00291 | 0.00027 | mg/kg wet | 0.003333 | | 87 | 40-140 | | | |
| BZ#153 | 0.00284 | 0.00027 | mg/kg wet | 0.003333 | | 85 | 40-140 | | | |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.

Client Project ID: Godfrey Brook Improvement 401 WQ

ESS Laboratory Work Order: 24C0572

Quality Control Data

| Analyte | Result | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|

8082 Polychlorinated Biphenyls (PCB) / Congeners

Batch DC42607 - 3540C

| | | | | | | | | | | |
|-------------|---------|---------|-----------|----------|--|----|--------|--|--|--|
| BZ#153 [2C] | 0.00278 | 0.00027 | mg/kg wet | 0.003333 | | 83 | 40-140 | | | |
| BZ#170 | 0.00284 | 0.00027 | mg/kg wet | 0.003333 | | 85 | 40-140 | | | |
| BZ#170 [2C] | 0.00294 | 0.00027 | mg/kg wet | 0.003333 | | 88 | 40-140 | | | |
| BZ#18 | 0.00267 | 0.00027 | mg/kg wet | 0.003333 | | 80 | 40-140 | | | |
| BZ#18 [2C] | 0.00261 | 0.00027 | mg/kg wet | 0.003333 | | 78 | 40-140 | | | |
| BZ#180 | 0.00285 | 0.00027 | mg/kg wet | 0.003333 | | 86 | 40-140 | | | |
| BZ#180 [2C] | 0.00297 | 0.00027 | mg/kg wet | 0.003333 | | 89 | 40-140 | | | |
| BZ#187 | 0.00328 | 0.00027 | mg/kg wet | 0.003333 | | 99 | 40-140 | | | |
| BZ#187 [2C] | 0.00279 | 0.00027 | mg/kg wet | 0.003333 | | 84 | 40-140 | | | |
| BZ#195 | 0.00282 | 0.00027 | mg/kg wet | 0.003333 | | 85 | 40-140 | | | |
| BZ#195 [2C] | 0.00293 | 0.00027 | mg/kg wet | 0.003333 | | 88 | 40-140 | | | |
| BZ#206 | 0.00276 | 0.00027 | mg/kg wet | 0.003333 | | 83 | 40-140 | | | |
| BZ#206 [2C] | 0.00282 | 0.00027 | mg/kg wet | 0.003333 | | 85 | 40-140 | | | |
| BZ#209 | 0.00263 | 0.00027 | mg/kg wet | 0.003333 | | 79 | 40-140 | | | |
| BZ#209 [2C] | 0.00273 | 0.00027 | mg/kg wet | 0.003333 | | 82 | 40-140 | | | |
| BZ#28 | 0.00303 | 0.00027 | mg/kg wet | 0.003333 | | 91 | 40-140 | | | |
| BZ#28 [2C] | 0.00291 | 0.00027 | mg/kg wet | 0.003333 | | 87 | 40-140 | | | |
| BZ#44 | 0.00269 | 0.00027 | mg/kg wet | 0.003333 | | 81 | 40-140 | | | |
| BZ#44 [2C] | 0.00278 | 0.00027 | mg/kg wet | 0.003333 | | 83 | 40-140 | | | |
| BZ#52 | 0.00302 | 0.00027 | mg/kg wet | 0.003333 | | 90 | 40-140 | | | |
| BZ#52 [2C] | 0.00263 | 0.00027 | mg/kg wet | 0.003333 | | 79 | 40-140 | | | |
| BZ#66 | 0.00281 | 0.00027 | mg/kg wet | 0.003333 | | 84 | 40-140 | | | |
| BZ#66 [2C] | 0.00305 | 0.00027 | mg/kg wet | 0.003333 | | 91 | 40-140 | | | |
| BZ#8 | 0.00269 | 0.00027 | mg/kg wet | 0.003333 | | 81 | 40-140 | | | |
| BZ#8 [2C] | 0.00250 | 0.00027 | mg/kg wet | 0.003333 | | 75 | 40-140 | | | |

LCS Dup

| | | | | | | | | | | |
|-------------|---------|---------|-----------|----------|--|-----|--------|-----|----|--|
| BZ#101 | 0.00299 | 0.00027 | mg/kg wet | 0.003333 | | 90 | 40-140 | 5 | 30 | |
| BZ#101 [2C] | 0.00287 | 0.00027 | mg/kg wet | 0.003333 | | 86 | 40-140 | 6 | 30 | |
| BZ#105 | 0.00307 | 0.00027 | mg/kg wet | 0.003333 | | 92 | 40-140 | 2 | 30 | |
| BZ#105 [2C] | 0.00342 | 0.00027 | mg/kg wet | 0.003333 | | 102 | 40-140 | 8 | 30 | |
| BZ#118 | 0.00273 | 0.00027 | mg/kg wet | 0.003333 | | 82 | 40-140 | 3 | 30 | |
| BZ#118 [2C] | 0.00313 | 0.00027 | mg/kg wet | 0.003333 | | 94 | 40-140 | 7 | 30 | |
| BZ#128 | 0.00316 | 0.00027 | mg/kg wet | 0.003333 | | 95 | 40-140 | 0.6 | 30 | |
| BZ#128 [2C] | 0.00317 | 0.00027 | mg/kg wet | 0.003333 | | 95 | 40-140 | 7 | 30 | |
| BZ#138 | 0.00290 | 0.00027 | mg/kg wet | 0.003333 | | 87 | 40-140 | 0.6 | 30 | |
| BZ#138 [2C] | 0.00312 | 0.00027 | mg/kg wet | 0.003333 | | 94 | 40-140 | 7 | 30 | |
| BZ#153 | 0.00285 | 0.00027 | mg/kg wet | 0.003333 | | 86 | 40-140 | 0.4 | 30 | |
| BZ#153 [2C] | 0.00302 | 0.00027 | mg/kg wet | 0.003333 | | 91 | 40-140 | 8 | 30 | |
| BZ#170 | 0.00308 | 0.00027 | mg/kg wet | 0.003333 | | 92 | 40-140 | 8 | 30 | |
| BZ#170 [2C] | 0.00317 | 0.00027 | mg/kg wet | 0.003333 | | 95 | 40-140 | 8 | 30 | |
| BZ#18 | 0.00280 | 0.00027 | mg/kg wet | 0.003333 | | 84 | 40-140 | 5 | 30 | |
| BZ#18 [2C] | 0.00274 | 0.00027 | mg/kg wet | 0.003333 | | 82 | 40-140 | 5 | 30 | |
| BZ#180 | 0.00309 | 0.00027 | mg/kg wet | 0.003333 | | 93 | 40-140 | 8 | 30 | |
| BZ#180 [2C] | 0.00319 | 0.00027 | mg/kg wet | 0.003333 | | 96 | 40-140 | 7 | 30 | |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.

Client Project ID: Godfrey Brook Improvement 401 WQ

ESS Laboratory Work Order: 24C0572

Quality Control Data

| Analyte | Result | MRL | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Qualifier |
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|
|---------|--------|-----|-------|-------------|---------------|------|-------------|-----|-----------|-----------|

8082 Polychlorinated Biphenyls (PCB) / Congeners

Batch DC42607 - 3540C

| | | | | | | | | | | |
|-------------|---------|---------|-----------|----------|--|-----|--------|---|----|--|
| BZ#187 | 0.00340 | 0.00027 | mg/kg wet | 0.003333 | | 102 | 40-140 | 4 | 30 | |
| BZ#187 [2C] | 0.00299 | 0.00027 | mg/kg wet | 0.003333 | | 90 | 40-140 | 7 | 30 | |
| BZ#195 | 0.00303 | 0.00027 | mg/kg wet | 0.003333 | | 91 | 40-140 | 7 | 30 | |
| BZ#195 [2C] | 0.00315 | 0.00027 | mg/kg wet | 0.003333 | | 95 | 40-140 | 7 | 30 | |
| BZ#206 | 0.00300 | 0.00027 | mg/kg wet | 0.003333 | | 90 | 40-140 | 8 | 30 | |
| BZ#206 [2C] | 0.00306 | 0.00027 | mg/kg wet | 0.003333 | | 92 | 40-140 | 8 | 30 | |
| BZ#209 | 0.00283 | 0.00027 | mg/kg wet | 0.003333 | | 85 | 40-140 | 8 | 30 | |
| BZ#209 [2C] | 0.00296 | 0.00027 | mg/kg wet | 0.003333 | | 89 | 40-140 | 8 | 30 | |
| BZ#28 | 0.00311 | 0.00027 | mg/kg wet | 0.003333 | | 93 | 40-140 | 3 | 30 | |
| BZ#28 [2C] | 0.00302 | 0.00027 | mg/kg wet | 0.003333 | | 91 | 40-140 | 4 | 30 | |
| BZ#44 | 0.00291 | 0.00027 | mg/kg wet | 0.003333 | | 87 | 40-140 | 8 | 30 | |
| BZ#44 [2C] | 0.00292 | 0.00027 | mg/kg wet | 0.003333 | | 88 | 40-140 | 5 | 30 | |
| BZ#52 | 0.00316 | 0.00027 | mg/kg wet | 0.003333 | | 95 | 40-140 | 5 | 30 | |
| BZ#52 [2C] | 0.00277 | 0.00027 | mg/kg wet | 0.003333 | | 83 | 40-140 | 5 | 30 | |
| BZ#66 | 0.00298 | 0.00027 | mg/kg wet | 0.003333 | | 89 | 40-140 | 6 | 30 | |
| BZ#66 [2C] | 0.00324 | 0.00027 | mg/kg wet | 0.003333 | | 97 | 40-140 | 6 | 30 | |
| BZ#8 | 0.00275 | 0.00027 | mg/kg wet | 0.003333 | | 82 | 40-140 | 2 | 30 | |
| BZ#8 [2C] | 0.00262 | 0.00027 | mg/kg wet | 0.003333 | | 79 | 40-140 | 5 | 30 | |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.

Client Project ID: Godfrey Brook Improvement 401 WQ

ESS Laboratory Work Order: 24C0572

Notes and Definitions

| | |
|--------|---|
| Z-08 | See Attached |
| U | Analyte included in the analysis, but not detected |
| D | Diluted. |
| CD- | Continuing Calibration %Diff/Drift is below control limit (CD-). |
| B- | Blank Spike recovery is below lower control limit (B-). |
| ND | Analyte NOT DETECTED at or above the MRL (LOQ), LOD for DoD Reports, MDL for J-Flagged Analytes |
| dry | Sample results reported on a dry weight basis |
| RPD | Relative Percent Difference |
| MDL | Method Detection Limit |
| MRL | Method Reporting Limit |
| LOD | Limit of Detection |
| LOQ | Limit of Quantitation |
| DL | Detection Limit |
| I/V | Initial Volume |
| F/V | Final Volume |
| § | Subcontracted analysis; see attached report |
| 1 | Range result excludes concentrations of surrogates and/or internal standards eluting in that range. |
| 2 | Range result excludes concentrations of target analytes eluting in that range. |
| 3 | Range result excludes the concentration of the C9-C10 aromatic range. |
| Avg | Results reported as a mathematical average. |
| NR | No Recovery |
| [CALC] | Calculated Analyte |
| SUB | Subcontracted analysis; see attached report |
| RL | Reporting Limit |
| EDL | Estimated Detection Limit |
| MF | Membrane Filtration |
| MPN | Most Probable Number |
| TNTC | Too numerous to Count |
| CFU | Colony Forming Units |

CERTIFICATE OF ANALYSIS

Client Name: GZA GeoEnvironmental, Inc.

Client Project ID: Godfrey Brook Improvement 401 WQ

ESS Laboratory Work Order: 24C0572

ESS LABORATORY CERTIFICATIONS AND ACCREDITATIONS

ENVIRONMENTAL

Rhode Island Potable and Non Potable Water: LAI00179

<http://www.health.ri.gov/find/labs/analytical/ESS.pdf>

Connecticut Potable and Non Potable Water, Solid and Hazardous Waste: PH-0750

http://www.ct.gov/dph/lib/dph/environmental_health/environmental_laboratories/pdf/OutOfStateCommercialLaboratories.pdf

Maine Potable and Non Potable Water, and Solid and Hazardous Waste: RI00002

<http://www.maine.gov/dhhs/mecdc/environmental-health/dwp/partners/labCert.shtml>

Massachusetts Potable and Non Potable Water: M-RI002

<http://public.dep.state.ma.us/Labcert/Labcert.aspx>

New Hampshire (NELAP accredited) Potable and Non Potable Water, Solid and Hazardous Waste: 2424

<http://des.nh.gov/organization/divisions/water/dwgb/nhelap/index.htm>

New York (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: 11313

<http://www.wadsworth.org/labcert/elap/comm.html>

New Jersey (NELAP accredited) Non Potable Water, Solid and Hazardous Waste: RI006

http://datamine2.state.nj.us/DEP_OPRa/OpraMain/pi_main?mode=pi_by_site&sort_order=PI_NAMEA&Select+a+Site:=58715

Pennsylvania: 68-01752

<http://www.dep.pa.gov/Business/OtherPrograms/Labs/Pages/Laboratory-Accreditation-Program.aspx>



195 Frances Avenue
 Cranston RI, 02910
 Phone: (401)-467-6454
 Fax: (401)-467-2398
cts.thielsch.com
Let's Build a Solid Foundation

Client Information:
 GZA GeoEnvironmental
 Springfield, MA
 Project Manager: Rosalie Starvish
 Assigned By: ESS Laboratory
 Collected By: Joshua Zall

Project Information:
Godfrey Brook Improvement
Milford, MA
 Project Number: 24C0572
 Summary Page: 1 of 1
 Report Date: 3/26/2024

LABORATORY TESTING DATA SHEET, Report No.: 7424-C-191

| Material Source | Sample ID | Depth (ft) | Laboratory No. | Identification Tests | | | | | | | | | | Proctor / CBR / Permeability Tests | | | | | | | Laboratory Log and Soil Description | | |
|-----------------|-----------|------------|----------------|----------------------------|-------|------|-------|----------|--------|---------|--------|-------|-------------------------------|---------------------------------------|--------------------|-------------------------|-----------------------------------|------------|------------|---------------------|-------------------------------------|--|---|
| | | | | As Rcvd Moisture Content % | LL % | PL % | OD LL | Gravel % | Sand % | Fines % | Org. % | pH | g_d MAX (pcf) W_{opt} (%) | g_d MAX (pcf) W_{opt} (%) (Corr.) | Dry unit wt. (pcf) | Test Moisture Content % | Target Test Setup as % of Proctor | CBR @ 0.1" | CBR @ 0.2" | Permeability cm/sec | | | |
| | | | | D2216 | D4318 | | | D6913 | | | D2974 | D4792 | D1557 | | | | | | | | | | |
| Composite | SS-1A | - | 24C0572-01 | | | | | 47.8 | 51.8 | 0.4 | | | | | | | | | | | | | Brown f-c SAND and f-c GRAVEL, trace Silt |
| Composite | SS-1B | - | 24C0572-02 | | | | | 34.4 | 61.2 | 4.4 | | | | | | | | | | | | | Brown f-c SAND, some f-c Gravel, trace Silt |
| Composite | SS-2A | - | 24C0572-03 | | | | | 47.8 | 51.0 | 1.2 | | | | | | | | | | | | | Brown f-c SAND and f-c GRAVEL, trace Silt |
| Composite | SS-2B | - | 24C0572-04 | | | | | 42.9 | 43.5 | 13.6 | | | | | | | | | | | | | Brown f-c SAND and f-c GRAVEL, little Silt |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |

Date Received: 3/20/2024

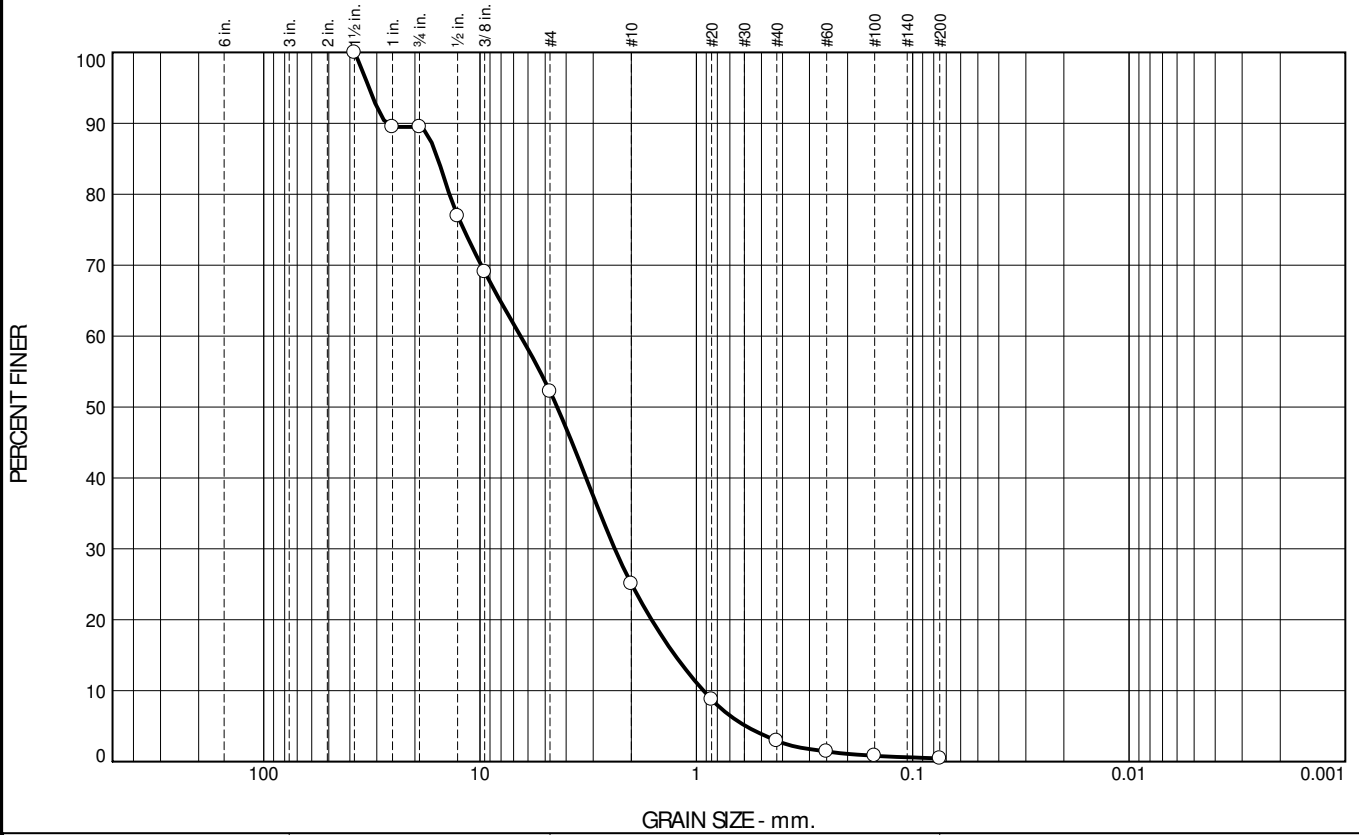
Reviewed By: 

Date Reviewed: 3/26/2024

This report only relates to items inspect and/or tested. No warranty, expressed or implied, is made.
 This report shall not be reproduced, except in full, without prior written approval from the Agency, as defined in ASTM E329.

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Particle Size Distribution Report



| % +3" | % Gravel | | % Sand | | | % Fines | |
|-------|----------|------|--------|--------|------|---------|------|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 10.5 | 37.3 | 27.1 | 22.2 | 2.5 | 0.4 | |

| SEIVE SIZE OR DIAMETER | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---------------------------|------------------|-------------------|-----------------|
| 1 1/2" | 100.0 | | |
| 1" | 89.5 | | |
| 3/4" | 89.5 | | |
| 1/2" | 77.0 | | |
| 3/8" | 69.1 | | |
| #4 | 52.2 | | |
| #10 | 25.1 | | |
| #20 | 8.8 | | |
| #40 | 2.9 | | |
| #60 | 1.4 | | |
| #100 | 0.8 | | |
| #200 | 0.4 | | |

Soil Description

Brown f-c SAND and f-c GRAVEL, trace Silt

Atterberg Limits
 PL= NP LL= NV PI= NP

Coefficients
 D₉₀= 27.1167 D₈₅= 15.6733 D₆₀= 6.4960
 D₅₀= 4.4013 D₃₀= 2.3828 D₁₅= 1.2557
 D₁₀= 0.9274 C_u= 7.00 C_c= 0.94

Classification
 USCS= SP AASHTO= A-1-a

Remarks

Sample received with standing water.

* (no specification provided)

Source of Sample: Composite Depth: -
 Sample Number: SS-1A

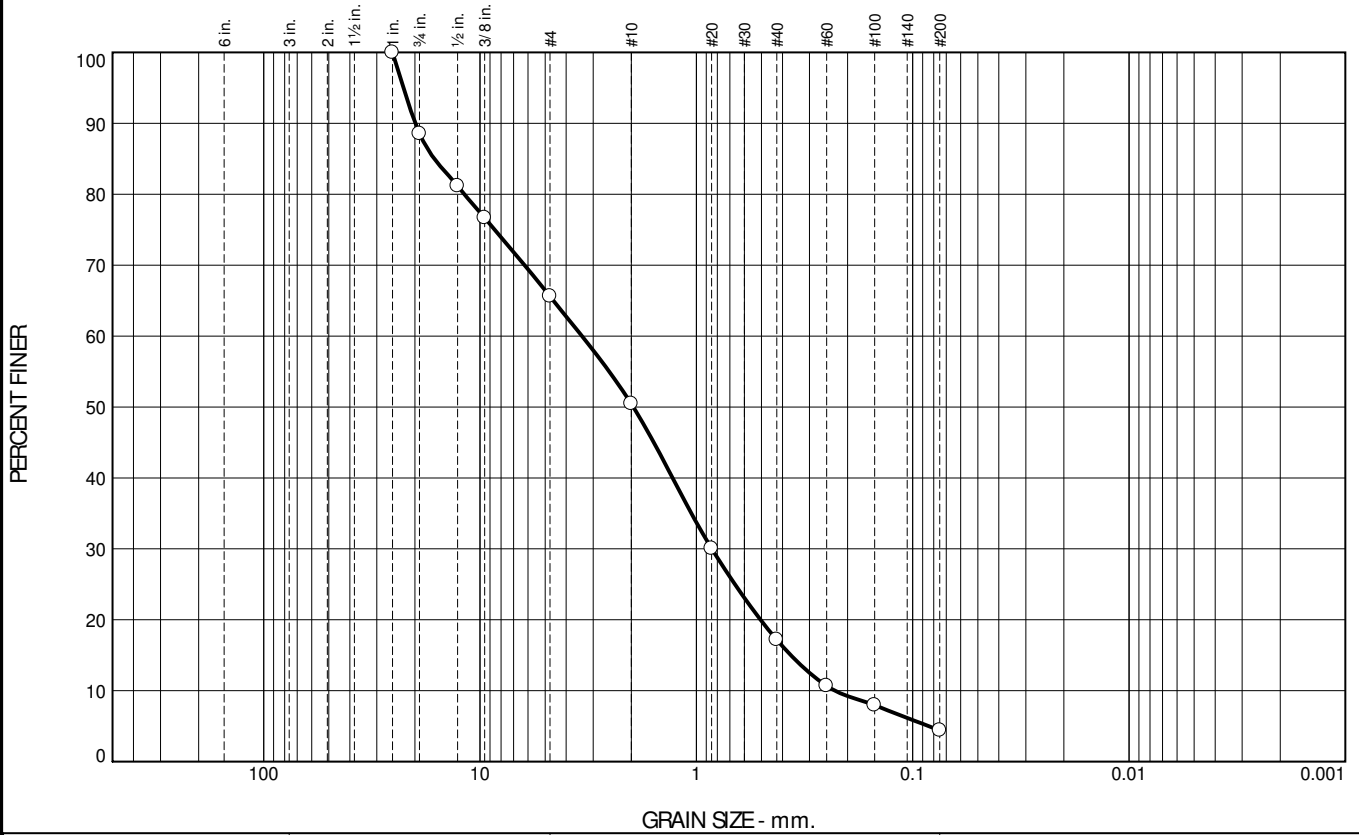
Date: 3.25.24

| | |
|--|---|
| Thielsch Engineering Inc. Cranston, RI | Client: ESS Laboratory Project: Godfrey Brook Improvements Milford, MA Project No: 24C0572 |
| Fig. 24C0572-01 | |

Tested By: RKO / SL / SP Checked By: Kris Roland

These results are for the exclusive use of the client for whom they were obtained. This report only relates to items inspected and/or tested. No warranty, expressed or implied, is made.

Particle Size Distribution Report



| % +3" | % Gravel | | % Sand | | | % Fines | |
|-------|----------|------|--------|--------|------|---------|------|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 11.5 | 22.9 | 15.1 | 33.3 | 12.8 | 4.4 | |

| SEIVE SIZE OR DIAMETER | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---------------------------|------------------|-------------------|-----------------|
| 1" | 100.0 | | |
| 3/4" | 88.5 | | |
| 1/2" | 81.2 | | |
| 3/8" | 76.7 | | |
| #4 | 65.6 | | |
| #10 | 50.5 | | |
| #20 | 30.0 | | |
| #40 | 17.2 | | |
| #60 | 10.7 | | |
| #100 | 7.9 | | |
| #200 | 4.4 | | |

Soil Description

Brown f-c SAND, some f-c Gravel, trace Silt

Atterberg Limits

PL= NP LL= NV PI= NP

Coefficients

D₉₀= 19.9341 D₈₅= 16.2818 D₆₀= 3.3785
D₅₀= 1.9563 D₃₀= 0.8482 D₁₅= 0.3659
D₁₀= 0.2291 C_u= 14.75 C_c= 0.93

Classification

USCS= SP AASHTO= A-1-a

Remarks

* (no specification provided)

Source of Sample: Composite Depth: -
Sample Number: SS-1B

Date: 3.25.24

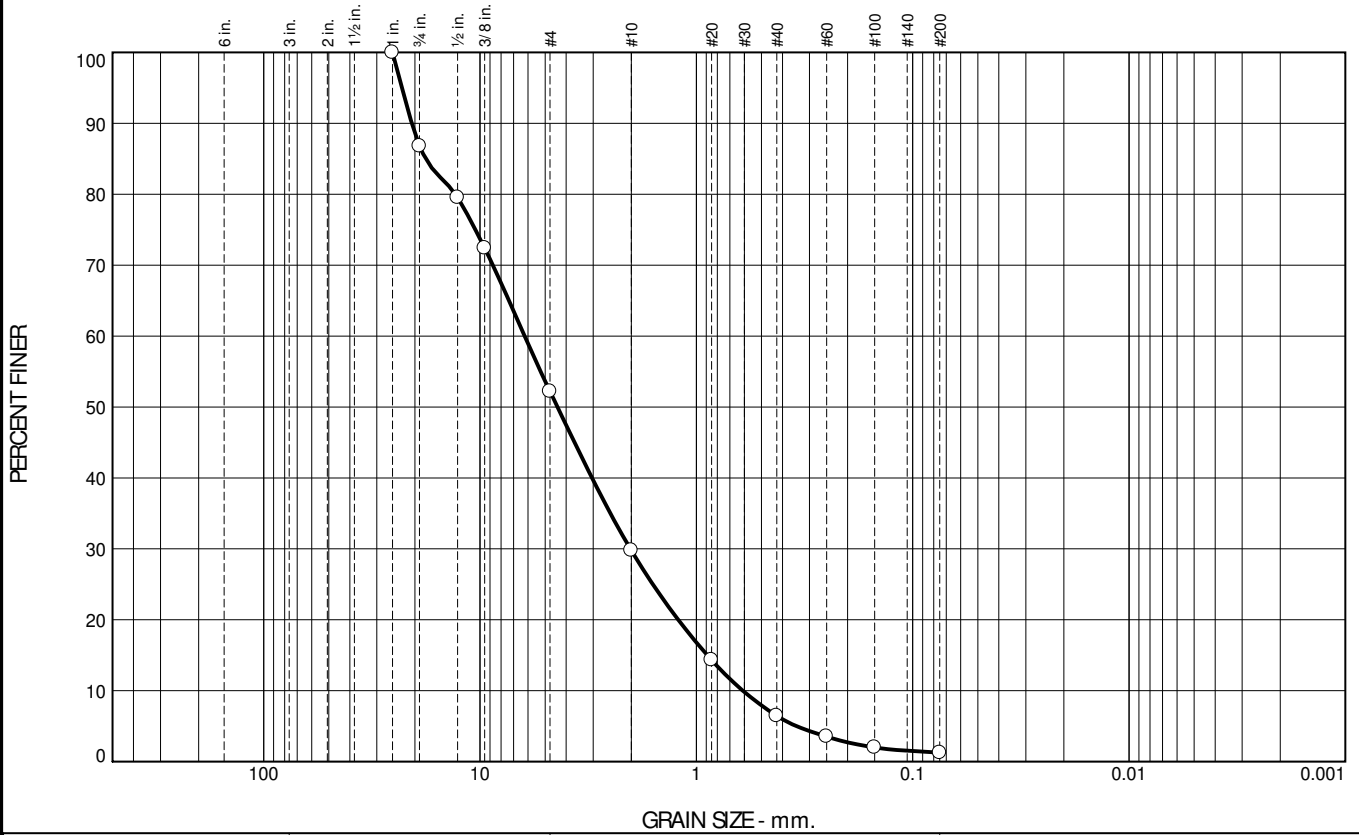
| | |
|---|---|
| Thielsch Engineering Inc. Cranston, RI | Client: ESS Laboratory Project: Godfrey Brook Improvements Milford, MA Project No: 24C0572 |
| Fig. 24C0572-02 | |

Tested By: RB / SL / SP

Checked By: Kris Roland

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Particle Size Distribution Report



| % +3" | % Gravel | | % Sand | | | % Fines | |
|-------|----------|------|--------|--------|------|---------|------|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 13.2 | 34.6 | 22.4 | 23.4 | 5.2 | 1.2 | |

| SEIVE SIZE OR DIAMETER | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---------------------------|------------------|-------------------|-----------------|
| 1" | 100.0 | | |
| 3/4" | 86.8 | | |
| 1/2" | 79.5 | | |
| 3/8" | 72.4 | | |
| #4 | 52.2 | | |
| #10 | 29.8 | | |
| #20 | 14.3 | | |
| #40 | 6.4 | | |
| #60 | 3.5 | | |
| #100 | 2.0 | | |
| #200 | 1.2 | | |

Soil Description

Brown f-c SAND and f-c GRAVEL, trace Silt

Atterberg Limits

PL= NP LL= NV PI= NP

Coefficients

D₉₀= 20.6896 D₈₅= 17.8322 D₆₀= 6.2180
 D₅₀= 4.3848 D₃₀= 2.0197 D₁₅= 0.8902
 D₁₀= 0.6099 C_u= 10.19 C_c= 1.08

Classification

USCS= SW AASHTO= A-1-a

Remarks

* (no specification provided)

Source of Sample: Composite Depth: -
 Sample Number: SS-2A

Date: 3.25.24

| | |
|--|---|
| Thielsch Engineering Inc. Cranston, RI | Client: ESS Laboratory Project: Godfrey Brook Improvements Milford, MA Project No: 24C0572 |
| Fig. 24C0572-03 | |

Tested By: RB / SL / SP

Checked By: Kris Roland

These results are for the exclusive use of the client for whom they were obtained. This report only relates to items inspected and/or tested. No warranty, expressed or implied, is made.

Particle Size Distribution Report



| % +3" | % Gravel | | % Sand | | | % Fines | |
|-------|----------|------|--------|--------|------|---------|------|
| | Coarse | Fine | Coarse | Medium | Fine | Silt | Clay |
| 0.0 | 15.5 | 27.4 | 11.9 | 19.7 | 11.9 | 13.6 | |

| SEIVE SIZE OR DIAMETER | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---------------------------|------------------|-------------------|-----------------|
| 1" | 100.0 | | |
| 3/4" | 84.5 | | |
| 1/2" | 79.0 | | |
| 3/8" | 71.0 | | |
| #4 | 57.1 | | |
| #10 | 45.2 | | |
| #20 | 33.2 | | |
| #40 | 25.5 | | |
| #60 | 21.0 | | |
| #100 | 17.7 | | |
| #200 | 13.6 | | |

Soil Description

Brown f-c SAND and f-c GRAVEL, little Silt

Atterberg Limits

PL= NP LL= NV PI= NP

Coefficients

D₉₀= 21.4369 D₈₅= 19.3430 D₆₀= 5.6031
D₅₀= 2.8940 D₃₀= 0.6517 D₁₅= 0.0956
D₁₀= C_u= C_c=

Classification

USCS= SM AASHTO= A-1-a

Remarks

* (no specification provided)

Source of Sample: Composite Depth: -
Sample Number: SS-2B

Date: 3.25.24

| | |
|---|---|
| Thielsch Engineering Inc. Cranston, RI | Client: ESS Laboratory Project: Godfrey Brook Improvements Milford, MA Project No: 24C0572 |
| Fig. 24C0572-04 | |

Tested By: RB / SL / SP

Checked By: Kris Roland

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Springfield, MA - GZA/TB

ESS Project ID: 24C0572

Date Received: 3/19/2024

Project Due Date: 3/26/2024

Days for Project: 5 Day

Shipped/Delivered Via: ESS Courier

- | | |
|--|---|
| <p>1. Air bill manifest present? <input type="checkbox"/> No Air No.: <u>NA</u></p> <p>2. Were custody seals present? <input type="checkbox"/> No</p> <p>3. Is radiation count <100 CPM? <input type="checkbox"/> Yes</p> <p>4. Is a Cooler Present? <input type="checkbox"/> Yes Temp: <u>1.4</u> Iced with: <u>Ice</u></p> <p>5. Was COC signed and dated by client? <input type="checkbox"/> Yes</p> | <p>6. Does COC match bottles? <input type="checkbox"/> Yes</p> <p>7. Is COC complete and correct? <input type="checkbox"/> Yes</p> <p>8. Were samples received intact? <input type="checkbox"/> Yes</p> <p>9. Were labs informed about short holds & rushes? Yes / No <input checked="" type="checkbox"/> NA</p> <p>10. Were any analyses received outside of hold time? Yes <input checked="" type="checkbox"/> No</p> |
|--|---|

- | | |
|--|--|
| <p>11. Any Subcontracting needed? <input checked="" type="checkbox"/> Yes / No ESS Sample IDs: <u>1--4</u> Analysis: <u>Grain size</u> TAT: <u>5 day</u></p> | <p>12. Were VOAs received? <input checked="" type="checkbox"/> Yes / No a. Air bubbles in aqueous VOAs? <input checked="" type="checkbox"/> Yes / No b. Does methanol cover soil completely? <input checked="" type="checkbox"/> Yes / No / NA</p> |
|--|--|

13. Are the samples properly preserved? Yes / No
- | | |
|---|---|
| <p>a. If metals preserved upon receipt: <input checked="" type="checkbox"/> Yes / No Date: _____</p> <p>b. If dissolved metals are requested, are they: <input checked="" type="checkbox"/> Yes / No Date: <u>3/18/24</u></p> <p>c. Low Level VOA vials frozen: <input checked="" type="checkbox"/> Yes / No Date: <u>3/18/24</u></p> | <p>Time: _____ By/Acid Lot#: _____</p> <p><input checked="" type="checkbox"/> Yes / No To Be Lab Filtered</p> <p>Time: <u>n/a</u> By: <u>client</u></p> |
|---|---|

Sample Receiving Notes:

Vials need frozen - time not given

14. Was there a need to contact Project Manager? Yes / No
- a. Was there a need to contact the client? Yes / No
- Who was contacted? Josh Zall Date: 3/21/24 Time: _____ By: SMD

Resolution:

Client confirmed vials frozen 3/18/24 at 15:00.

| Sample Number | Container ID | Proper Container | Air Bubbles Present | Sufficient Volume | Container Type | Preservative | Record pH (Cyanide and 608 Pesticides) |
|---------------|--------------|------------------|---------------------|-------------------|----------------|--------------|--|
| 1 | 529423 | Yes | N/A | Yes | Driller Jar | NP | |
| 1 | 529427 | Yes | N/A | Yes | VOA Vial | DI Water | |
| 1 | 529428 | Yes | N/A | Yes | VOA Vial | DI Water | |
| 1 | 529435 | Yes | N/A | Yes | VOA Vial | MeOH | |
| 1 | 529439 | Yes | N/A | Yes | 8 oz jar | NP | |
| 1 | 529440 | Yes | N/A | Yes | 8 oz jar | NP | |
| 1 | 529441 | Yes | N/A | Yes | 8 oz jar | NP | |
| 1 | 529442 | Yes | N/A | Yes | 8 oz jar | NP | |
| 1 | 529455 | Yes | N/A | Yes | 4 oz. Jar | NP | |
| 2 | 529424 | Yes | N/A | Yes | Driller Jar | NP | |
| 2 | 529429 | Yes | N/A | Yes | VOA Vial | DI Water | |
| 2 | 529430 | Yes | N/A | Yes | VOA Vial | DI Water | |
| 2 | 529436 | Yes | N/A | Yes | VOA Vial | MeOH | |
| 2 | 529443 | Yes | N/A | Yes | 8 oz jar | NP | |
| 2 | 529444 | Yes | N/A | Yes | 8 oz jar | NP | |
| 2 | 529445 | Yes | N/A | Yes | 8 oz jar | NP | |
| 2 | 529446 | Yes | N/A | Yes | 8 oz jar | NP | |
| 2 | 529456 | Yes | N/A | Yes | 4 oz. Jar | NP | |
| 3 | 529425 | Yes | N/A | Yes | Driller Jar | NP | |
| 3 | 529431 | Yes | N/A | Yes | VOA Vial | DI Water | |

ESS Laboratory Sample and Cooler Receipt Checklist

Client: GZA - Springfield, MA - GZA/TB

ESS Project ID: 24C0572
 Date Received: 3/19/2024

| | | | | | | |
|---|--------|-----|-----|-----|-------------|----------|
| 3 | 529432 | Yes | N/A | Yes | VOA Vial | DI Water |
| 3 | 529437 | Yes | N/A | Yes | VOA Vial | MeOH |
| 3 | 529447 | Yes | N/A | Yes | 8 oz jar | NP |
| 3 | 529448 | Yes | N/A | Yes | 8 oz jar | NP |
| 3 | 529449 | Yes | N/A | Yes | 8 oz jar | NP |
| 3 | 529450 | Yes | N/A | Yes | 8 oz jar | NP |
| 3 | 529457 | Yes | N/A | Yes | 4 oz. Jar | NP |
| 4 | 529426 | Yes | N/A | Yes | Driller Jar | NP |
| 4 | 529433 | Yes | N/A | Yes | VOA Vial | DI Water |
| 4 | 529434 | Yes | N/A | Yes | VOA Vial | DI Water |
| 4 | 529438 | Yes | N/A | Yes | VOA Vial | MeOH |
| 4 | 529451 | Yes | N/A | Yes | 8 oz jar | NP |
| 4 | 529452 | Yes | N/A | Yes | 8 oz jar | NP |
| 4 | 529453 | Yes | N/A | Yes | 8 oz jar | NP |
| 4 | 529454 | Yes | N/A | Yes | 8 oz jar | NP |
| 4 | 529458 | Yes | N/A | Yes | 4 oz. Jar | NP |

2nd Review

- Were all containers scanned into storage/lab?
- Are barcode labels on correct containers?
- Are all Flashpoint stickers attached/container ID # circled?
- Are all Hex Chrome stickers attached?
- Are all QC stickers attached?
- Are VOA stickers attached if bubbles noted?

Initials ML
 Yes / No
 Yes / No / NA
 Yes / No / NA
 Yes / No / NA
 Yes / No / NA

Completed By: [Signature]
 Reviewed By: [Signature]

Date & Time: 3/19/24 1707
 Date & Time: 3/19/24 1711



185 Frances Avenue
Cranston, RI 02921
Phone: 401-461-7181

www.esslaboratory.com

STANDARD CHAIN OF CUSTODY STANDARD TOT

ESS Lab # 240572 Page 1 of 1

ELECTRONIC DELIVERABLES (Final Reports are PDF)

Limit Checker State Forms EQUIS
 Excel Hard Copy Enviro Data
 CLP-Like Package Other (Specify) →

Turn Time >5 5 4 3 2 1 Same Day

Regulatory State: MA Criteria: 401 WQ

Is this project for any of the following?:
 CT RCP MA MCP RGP Permit 401 WQ

CLIENT INFORMATION

Client: GZA GEOENVIRONMENTAL
Address: 1350 MAIN ST, SUITE 1400
SPRINGFIELD, MA 01103
Phone: 413-726-2114
Email Distribution List: joshua.zak@gza.com
rosalie.starvish@gza.com

PROJECT INFORMATION

Project Name: GODFREY BROOK IMPROVEMENTS
Project Location: MILFORD, MA
Project Number: 15.0167038.00
Project Manager: ROSALIE STARVISH
Bill to: GZA
PO#: _____
Quote#: 202401008-401 WQ

Client acknowledges that sampling is compliant with all EPA / State regulatory programs

REQUESTED ANALYSES

| GRAIN SIZE | HIGH VOC | LOW VOC | EM w PAM, Metals, PCB | TOR-LK, % water, root | % Solids | Total Number of Bottles |
|------------|----------|---------|-----------------------|-----------------------|----------|-------------------------|
| 1 | 1 | 2 | 4 | 1 | | 9 |
| 1 | 1 | 2 | 4 | 1 | | 9 |
| 1 | 1 | 2 | 4 | 1 | | 9 |
| 1 | 1 | 2 | 4 | 1 | | 9 |

| ESS Lab ID | Collection Date | Collection Time | Sample Type | Sample Matrix | Sample ID | GRAIN SIZE | HIGH VOC | LOW VOC | EM w PAM, Metals, PCB | TOR-LK, % water, root | % Solids | Total Number of Bottles |
|------------|-----------------|-----------------|-------------|---------------|--------------------------|------------|----------|---------|-----------------------|-----------------------|----------|-------------------------|
| 1 | 3/18/24 | 0825 | COMPOSITE | SOIL/SEDIMENT | SS-1A (see note 1) 0'-1' | 1 | 1 | 2 | 4 | 1 | | 9 |
| 2 | 3/18/24 | 0845 | COMPOSITE | SOIL/SEDIMENT | SS-1B 1'-2.5' | 1 | 1 | 2 | 4 | 1 | | 9 |
| 3 | 3/18/24 | 1115 | COMPOSITE | SOIL/SED | SS-2A (see note 1) 0'-1' | 1 | 1 | 2 | 4 | 1 | | 9 |
| 4 | 3/18/24 | 12:00 | COMPOSITE | SOIL/SED | SS-2B 1'-2' | 1 | 1 | 2 | 4 | 1 | | 9 |

Container Type: AC-Air Cassette AG-Amber Glass B-BOD Bottle C-Cubitainer J-Jar O-Other P-Poly S-Sterile V-Vial 3 v v AG → AG

Container Volume: 1-100 mL 2-2.5 gal 3-250 mL 4-300 mL 5-500 mL 6-1L 7-VOA 8-2 oz 9-4 oz 10-8 oz 11-Other* 10 7 7 10 → 9

Preservation Code: 1-Non Preserved 2-HCl 3-H2SO4 4-HNO3 5-NaOH 6-Methanol 7-Na2S2O3 8-ZnAce, NaOH 9-NH4Cl 10-DI H2O 11-Other* 1 6 6 1 → 1

Sampled by: JOSHUA ZAK GZA Chain needs to be filled out neatly and completely for on time delivery.

Laboratory Use Only

Cooler Temperature (°C): 1.4
ONICE

Comments: * Please specify "Other" preservative and containers types in this space
1) SS-1A & SS-2A ONLY RUN GRAIN SIZE. IF GRAIN SIZE HAS LESS THAN 10% FINES, NO FURTHER TESTING NEEDED. IF GRAIN SIZE HAS GREATER THAN 10% FINES, DO CHEM ANALYSES

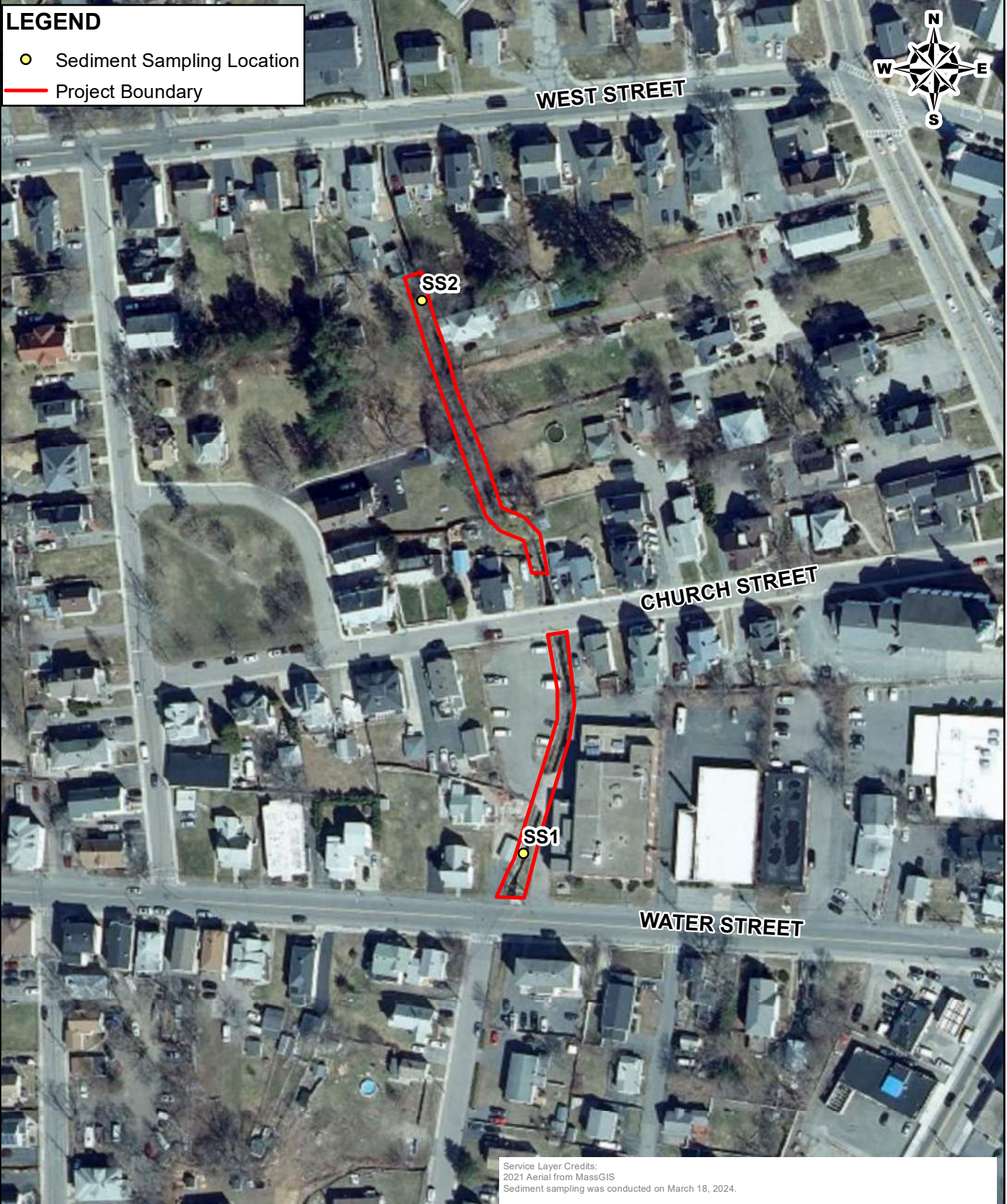
All samples submitted are subject to ESS Laboratory's payment terms and conditions.

Dissolved Filtration
 Lab Filter

| Relinquished by (Signature) | Date | Time | Received by (Signature) | Relinquished by (Signature) | Date | Time | Received by (Signature) |
|-----------------------------|----------------|-------------|-------------------------|-----------------------------|----------------|--------------|-------------------------|
| <u>Joshua Zak</u> | <u>3/18/24</u> | <u>1500</u> | <u>GZA COOLER</u> | <u>GZA COOLER</u> | <u>3/19/24</u> | <u>11:30</u> | <u>AO 3/19/24 11:30</u> |
| <u>AO</u> | <u>3/19/24</u> | <u>1632</u> | <u>[Signature]</u> | | | | |

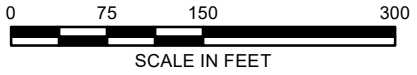
LEGEND

- Sediment Sampling Location
- Project Boundary



Service Layer Credits:
 2021 Aerial from MassGIS
 Sediment sampling was conducted on March 18, 2024.

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR THE USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.



GODFREY BROOK IMPROVEMENTS
 WEST STREET - WATER STREET
 MILFORD, MA 01757

PREPARED BY:
GZA GeoEnvironmental, Inc.
 Engineers and Scientists
 www.gza.com

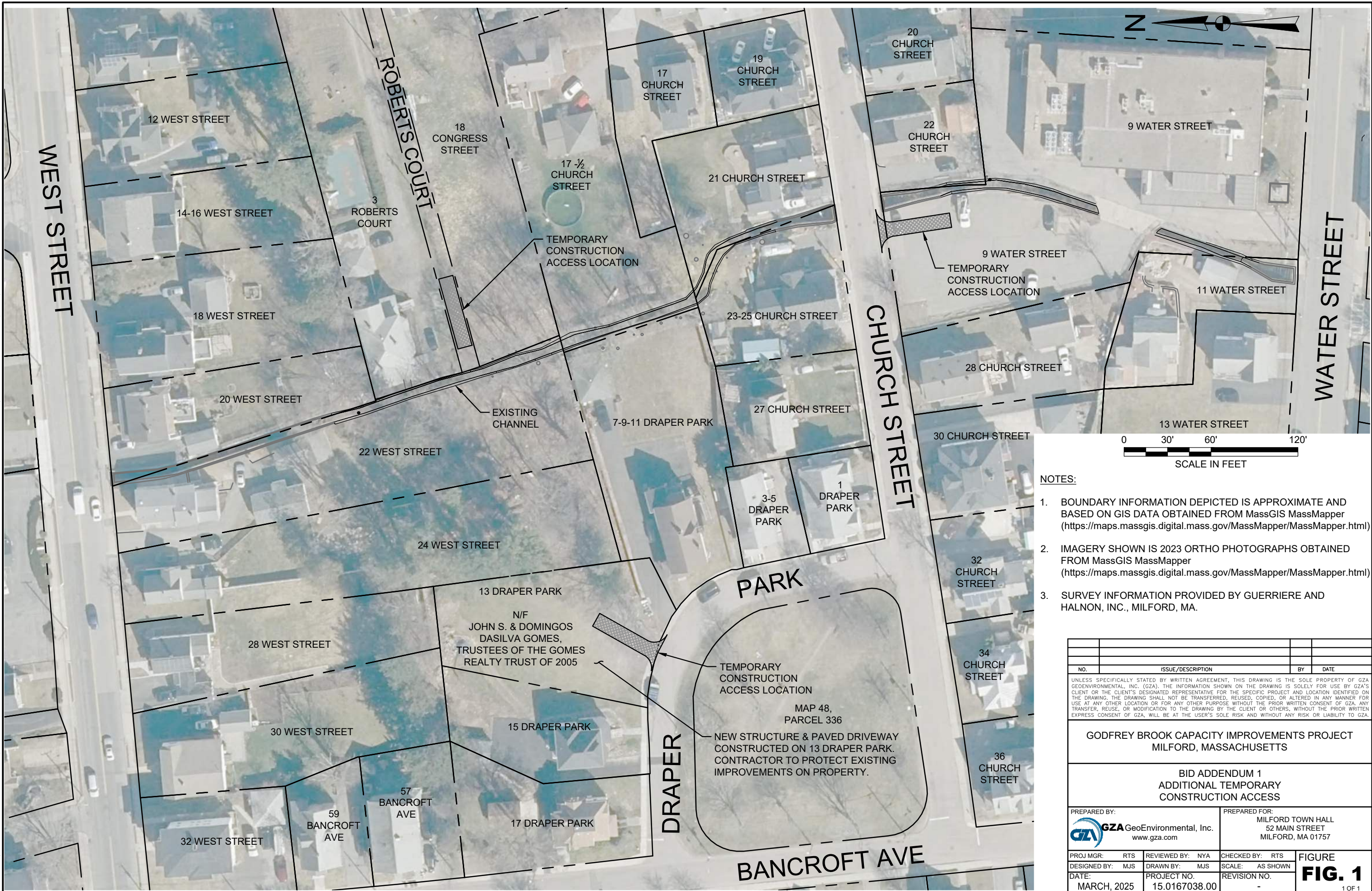
PREPARED FOR:
 TOWN OF MILFORD
 52 MAIN STREET
 MILFORD, MA 01757

SEDIMENT SAMPLING LOCATIONS

| | | | |
|------------------|---------------------------|----------------------|-----------------|
| PROJ MGR: RFS | REVIEWED BY: JDA | CHECKED BY: SLL | FIGURE 1 |
| DESIGNED BY: CCO | DRAWN BY: CCO | SCALE: 1 in = 150 ft | |
| DATE: 04/02/2024 | PROJECT NO: 15.0167038.00 | REVISION NO: | |

© 2024 - GZA GeoEnvironmental, Inc. \\GZASpringfield\Jobs\0167000 - 0167099\15.0167038.00 Godfrey Brook Improvements\GIS\mxd\2 - Aerial_8.5x11 - Copy.mxd, April 02, 2024 - 1:53:55 PM, Susanna.Sousa

**Attachment 4: FIGURE 1 – ADDITIONAL TEMPORARY
CONSTRUCTION ACCESS**



NOTES:

- BOUNDARY INFORMATION DEPICTED IS APPROXIMATE AND BASED ON GIS DATA OBTAINED FROM MassGIS MassMapper (<https://maps.massgis.digital.mass.gov/MassMapper/MassMapper.html>)
- IMAGERY SHOWN IS 2023 ORTHO PHOTOGRAPHS OBTAINED FROM MassGIS MassMapper (<https://maps.massgis.digital.mass.gov/MassMapper/MassMapper.html>)
- SURVEY INFORMATION PROVIDED BY GUERRIERE AND HALNON, INC., MILFORD, MA.

| NO. | ISSUE/DESCRIPTION | BY | DATE |
|-----|-------------------|----|------|
| | | | |

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**GODFREY BROOK CAPACITY IMPROVEMENTS PROJECT
MILFORD, MASSACHUSETTS**

**BID ADDENDUM 1
ADDITIONAL TEMPORARY
CONSTRUCTION ACCESS**

| | |
|--|---|
| PREPARED BY: GZA GeoEnvironmental, Inc. www.gza.com | PREPARED FOR: MILFORD TOWN HALL 52 MAIN STREET MILFORD, MA 01757 |
|--|---|

| | | | |
|-------------------|---------------------------|-----------------|---------------|
| PROJ MGR: RTS | REVIEWED BY: NYA | CHECKED BY: RTS | FIGURE |
| DESIGNED BY: MJS | DRAWN BY: MJS | SCALE: AS SHOWN | FIG. 1 |
| DATE: MARCH, 2025 | PROJECT NO. 15.0167038.00 | REVISION NO. - | |

**Attachment 5: SUPPLEMENTARY CONDITIONS OF THE
CONSTRUCTION CONTRACT** (Revised 4/8/2025)

ADDENDUM NO. 1

GZA 15.0167038.01

SUPPLEMENTARY CONDITIONS OF THE CONSTRUCTION CONTRACT

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SUPPLEMENTARY CONDITIONS OF THE CONSTRUCTION CONTRACT - REVISED

PART 1— AMENDMENTS TO GENERAL CONDITIONS

These Supplementary Conditions amend or supplement EJCDC® C-700, Standard General Conditions of the Construction Contract (2018). The General Conditions remain in full force and effect except as amended.

The terms used in these Supplementary Conditions have the meanings stated in the General Conditions. Additional terms used in these Supplementary Conditions have the meanings stated below, which are applicable to both the singular and plural thereof.

The address system used in these Supplementary Conditions is the same as the address system used in the General Conditions, with the prefix "SC" added—for example, "Paragraph SC-4.05."

Article 1—Definitions and Terminology

No Supplementary Conditions in this Article.

Article 2—Preliminary Matters

2.01 *Delivery of Bonds and Evidence of Insurance*

SC-2.01 Delete Paragraphs 2.01.B. and C. in their entirety and insert the following in their place:

- B. *Evidence of Contractor's Insurance:* When Contractor delivers the signed counterparts of the Agreement to Owner, Contractor shall also deliver to Owner copies of the policies (including all endorsements, and identification of applicable self-insured retentions and deductibles) of insurance required to be provided by Contractor in this Contract. Contractor may block out (redact) any confidential premium or pricing information contained in any policy or endorsement furnished under this provision.
- C. *Evidence of Owner's Insurance:* After receipt from Contractor of the signed counterparts of the Agreement and all required bonds and insurance documentation, Owner shall promptly deliver to Contractor copies of the policies of insurance to be provided by Owner in this Contract (if any). Owner may block out (redact) any confidential premium or pricing information contained in any policy or endorsement furnished under this provision.

2.02 *Copies of Documents*

SC-2.02 Amend the first sentence of Paragraph 2.02.A. to read as follows:

Owner shall furnish to Contractor **2** printed copies of the Contract Documents (including one fully signed counterpart of the Agreement), and **1** in electronic portable document format (PDF). Additional printed copies will be furnished upon request at the cost of reproduction.

2.06 *Electronic Transmittals*

SC-2.06 Delete Paragraphs 2.06.B and 2.06.C in their entirety and insert the following in their place:

B. *Electronic Documents Protocol*: The parties shall conform to the following provisions in Paragraphs 2.06.B and 2.06.C, together referred to as the Electronic Documents Protocol (“EDP” or “Protocol”) for exchange of electronic transmittals.

1. *Basic Requirements*

- a. To the fullest extent practical, the parties agree to and will transmit and accept Electronic Documents in an electronic or digital format using the procedures described in this Protocol. Use of the Electronic Documents and any information contained therein is subject to the requirements of this Protocol and other provisions of the Contract.
- b. The contents of the information in any Electronic Document will be the responsibility of the transmitting party.
- c. Electronic Documents as exchanged by this Protocol may be used in the same manner as the printed versions of the same documents that are exchanged using non-electronic format and methods, subject to the same governing requirements, limitations, and restrictions, set forth in the Contract Documents.
- d. Except as otherwise explicitly stated herein, the terms of this Protocol will be incorporated into any other agreement or subcontract between a party and any third party for any portion of the Work on the Project, or any Project-related services, where that third party is, either directly or indirectly, required to exchange Electronic Documents with a party or with Engineer. Nothing herein will modify the requirements of the Contract regarding communications between and among the parties and their subcontractors and consultants.
- e. When transmitting Electronic Documents, the transmitting party makes no representations as to long term compatibility, usability, or readability of the items resulting from the receiving party’s use of software application packages, operating systems, or computer hardware differing from those established in this Protocol.
- f. Nothing herein negates any obligation 1) in the Contract to create, provide, or maintain an original printed record version of Drawings and Specifications, signed and sealed according to applicable Laws and Regulations; 2) to comply with any applicable Law or Regulation governing the signing and sealing of design documents or the signing and electronic transmission of any other documents; or 3) to comply with the notice requirements of Paragraph 18.01 of the General Conditions.

2. *System Infrastructure for Electronic Document Exchange*

- a. Each party will provide hardware, operating system(s) software, internet, e-mail, and large file transfer functions (“System Infrastructure”) at its own cost and sufficient for complying with the EDP requirements. With the exception of minimum standards set forth in this EDP, and any explicit system requirements specified by attachment to this EDP, it is the obligation of each party to determine, for itself, its own System Infrastructure.

- 1) The maximum size of an email attachment for exchange of Electronic Documents under this EDP is **50 MB**. Attachments larger than that may be exchanged using large file transfer functions or physical media.
 - 2) Each Party assumes full and complete responsibility for any and all of its own costs, delays, deficiencies, and errors associated with converting, translating, updating, verifying, licensing, or otherwise enabling its System Infrastructure, including operating systems and software, for use with respect to this EDP.
- b. Each party is responsible for its own system operations, security, back-up, archiving, audits, printing resources, and other Information Technology (“IT”) for maintaining operations of its System Infrastructure during the Project, including coordination with the party’s individual(s) or entity responsible for managing its System Infrastructure and capable of addressing routine communications and other IT issues affecting the exchange of Electronic Documents.
 - c. Each party will operate and maintain industry-standard, industry-accepted, ISO-standard, commercial-grade security software and systems that are intended to protect the other party from: software viruses and other malicious software like worms, trojans, adware; data breaches; loss of confidentiality; and other threats in the transmission to or storage of information from the other parties, including transmission of Electronic Documents by physical media such as CD/DVD/flash drive/hard drive. To the extent that a party maintains and operates such security software and systems, it shall not be liable to the other party for any breach of system security.
 - d. In the case of disputes, conflicts, or modifications to the EDP required to address issues affecting System Infrastructure, the parties shall cooperatively resolve the issues; but, failing resolution, the Owner is authorized to make and require reasonable and necessary changes to the EDP to effectuate its original intent. If the changes cause additional cost or time to Contractor, not reasonably anticipated under the original EDP, Contractor may seek an adjustment in price or time under the appropriate process in the Contract.
 - e. Each party is responsible for its own back-up and archive of documents sent and received during the term of the contract under this EDP, unless this EDP establishes a Project document archive, either as part of a mandatory Project website or other communications protocol, upon which the parties may rely for document archiving during the specified term of operation of such Project document archive. Further, each party remains solely responsible for its own post-Project back-up and archive of Project documents after the term of the Contract, or after termination of the Project document archive, if one is established, for as long as required by the Contract and as each party deems necessary for its own purposes.
 - f. If a receiving party receives an obviously corrupted, damaged, or unreadable Electronic Document, the receiving party will advise the sending party of the incomplete transmission.
 - g. The parties will bring any non-conforming Electronic Documents into compliance with the EDP. The parties will attempt to complete a successful transmission of the

Electronic Document or use an alternative delivery method to complete the communication.

C. *Software Requirements for Electronic Document Exchange; Limitations*

1. Each party will acquire the software and software licenses necessary to create and transmit Electronic Documents and to read and to use any Electronic Documents received from the other party (and if relevant from third parties), using the software formats required in this section of the EDP.
 - a. Prior to using any updated version of the software required in this section for sending Electronic Documents to the other party, the originating party will first notify and receive concurrence from the other party for use of the updated version or adjust its transmission to comply with this EDP.
2. The parties agree not to intentionally edit, reverse engineer, decrypt, remove security or encryption features, or convert to another format for modification purposes any Electronic Document or information contained therein that was transmitted in a software data format, including Portable Document Format (PDF), intended by sender not to be modified, unless the receiving party obtains the permission of the sending party or is citing or quoting excerpts of the Electronic Document for Project purposes.
3. Software and data formats for exchange of Electronic Documents will conform to the requirements set forth in Exhibit A to this EDP, including software versions, if listed.

SC-2.06 Supplement Paragraph 2.06 of the General Conditions by adding the following paragraph:

D. *Requests by Contractor for Electronic Documents in Other Formats*

1. Release of any Electronic Document versions of the Project documents in formats other than those identified in the Electronic Documents Protocol (if any) or elsewhere in the Contract will be at the sole discretion of the Owner.
2. To extent determined by Owner, in its sole discretion, to be prudent and necessary, release of Electronic Documents versions of Project documents and other Project information requested by Contractor ("Request") in formats other than those identified in the Electronic Documents Protocol (if any) or elsewhere in the Contract will be subject to the provisions of the Owner's response to the Request, and to the following conditions to which Contractor agrees:
 - a. The content included in the Electronic Documents created by Engineer and covered by the Request was prepared by Engineer as an internal working document for Engineer's purposes solely, and is being provided to Contractor on an "AS IS" basis without any warranties of any kind, including, but not limited to any implied warranties of fitness for any purpose. As such, Contractor is advised and acknowledges that the content may not be suitable for Contractor's application, or may require substantial modification and independent verification by Contractor. The content may include limited resolution of models, not-to-scale schematic representations and symbols, use of notes to convey design concepts in lieu of accurate graphics, approximations, graphical simplifications, undocumented intermediate revisions, and other devices that may affect subsequent reuse.

- b. Electronic Documents containing text, graphics, metadata, or other types of data that are provided by Engineer to Contractor under the request are only for convenience of Contractor. Any conclusion or information obtained or derived from such data will be at the Contractor's sole risk and the Contractor waives any claims against Engineer or Owner arising from use of data in Electronic Documents covered by the Request.
 - c. Contractor shall indemnify and hold harmless Owner and Engineer and their subconsultants from all claims, damages, losses, and expenses, including attorneys' fees and defense costs arising out of or resulting from Contractor's use, adaptation, or distribution of any Electronic Documents provided under the Request.
 - d. Contractor agrees not to sell, copy, transfer, forward, give away or otherwise distribute this information (in source or modified file format) to any third party without the direct written authorization of Engineer, unless such distribution is specifically identified in the Request and is limited to Contractor's subcontractors. Contractor warrants that subsequent use by Contractor's subcontractors complies with all terms of the Contract Documents and Owner's response to Request.
3. In the event that Owner elects to provide or directs the Engineer to provide to Contractor any Contractor-requested Electronic Document versions of Project information that is not explicitly identified in the Contract Documents as being available to Contractor, the Owner shall be reimbursed by Contractor on an hourly basis (at \$190 per hour) for any engineering costs necessary to create or otherwise prepare the data in a manner deemed appropriate by Engineer.

Article 3—Contract Documents: Intent, Requirements, Reuse

3.01 *Intent*

SC 3.01 Add the following new paragraphs immediately after Paragraph 3.01.G:

- H. Each and every provision of law and clause required by law to be inserted in these Contract Documents shall be deemed to be inserted herein, and they shall be read and enforced as though it were included herein, and if through mistake or otherwise, any such provision is not inserted, or if not correctly inserted, then upon the application of either party, the Contract Documents shall forthwith be physically amended to make such insertion. Commencement and Progress of the Work

No Supplementary Conditions in this Article.

Article 4—Site, Subsurface and Physical Conditions, Hazardous Environmental Conditions

5.03 *Subsurface and Physical Conditions*

SC-5.03 Add the following new paragraphs immediately after Paragraph 5.03.D:

- E. The following table lists the reports of explorations and tests of subsurface conditions at or adjacent to the Site that contain Technical Data, and specifically identifies the Technical Data in the report upon which Contractor may rely:

| Report Title | Date of Report | Technical Data |
|---|----------------|-------------------|
| Geotechnical Data Report, Godfrey Brook Restoration Project, Phase 1, Milford Massachusetts | Sep. 2011 | Geotechnical Data |

- F. The following table lists the drawings of existing physical conditions at or adjacent to the Site, including those drawings depicting existing surface or subsurface structures at or adjacent to the Site (except Underground Facilities), that contain Technical Data, and specifically identifies the Technical Data upon which Contractor may rely

| Drawings Title | Date of Drawings | Technical Data |
|---|--------------------------------------|--------------------------------|
| Existing Conditions Plan of Land, Godfrey Brook – West Street Southerly to Water Street, Milford Mass. | August 19, 2022 | Existing Condition Information |
| Contract Plans For The Godfrey Brook Flood Mitigation Project, Prepared For The Town of Milford, Massachusetts Office of Planning and Engineering | April 1999, Issued August 12, 1999 | |
| Contract Plans for the Godfrey Brook Improvement Project – Church Street Culvert Replacement, Prepared For The Town of Milford, Massachusetts Milford Highway Department and the Office of Planning and Engineering | December 2011, Issued March 28, 2012 | |

- G. Contractor may examine copies of reports and drawings identified in SC-5.03.E and SC-5.03.F that were not included with the Bidding Documents at **Milford Town Hall, Planning and Engineering Department** during regular business hours, or may request copies from Engineer.

5.06 *Hazardous Environmental Conditions*

SC-5.06 Add the following new paragraphs immediately after Paragraph 5.06.A.3:

4. The following table lists the reports known to Owner relating to Hazardous Environmental Conditions at or adjacent to the Site, and the Technical Data (if any) upon which Contractor may rely:

| Report Title | Date of Report | Technical Data |
|--|----------------|--------------------------|
| 2024 Due Diligence Review and Sediment Sampling Plan, Godfrey Brook Improvements, Milford, Massachusetts | March 5, 2024 | Background and ERIS data |

5. The following table lists the drawings known to Owner relating to Hazardous Environmental Conditions at or adjacent to the Site, and Technical Data (if any) contained in such Drawings upon which Contractor may rely:

| Drawings Title | Date of Drawings | Technical Data |
|----------------|------------------|----------------|
| No Drawings | | |

Article 5—Bonds and Insurance

6.01 *Performance, Payment, and Other Bonds*

SC-6.01 Add the following paragraphs immediately after Paragraph 6.01.A:

1. *Required Performance Bond Form:* The performance bond that Contractor furnishes will be in the form of EJCDC® C-610, Performance Bond (2010, 2013, or 2018 edition).
2. *Required Payment Bond Form:* The payment bond that Contractor furnishes will be in the form of EJCDC® C-615, Payment Bond (2010, 2013, or 2018 edition).

SC-6.02 Replace in the last sentence of Paragraph 6.02.B:

1. “A-VII” with “B+”

SC-6.02 Add the following new paragraph immediately after Paragraph 6.02.N:

- O. Insurance certificate(s) shall also contain the following:
 1. Clarification regarding whether the General Liability policy covers all of the Contractor’s operation or only the Work under this Contract, with project specific limits.
 2. Confirmation that the General Liability policy includes XCU coverage.
 3. Confirmation that automobile insurance covers all Scheduled, Hired and Non-Owned vehicles.
 4. Names of all additional insureds as specified herein.

6.03 *Contractor’s Insurance*

SC-6.03 Supplement Paragraph 6.03 with the following provisions after Paragraph 6.03.C:

- D. *Other Additional Insureds:* As a supplement to the provisions of Paragraph 6.03.C of the General Conditions, the commercial general liability, automobile liability, umbrella or excess, pollution liability, and unmanned aerial vehicle liability policies must include as additional insureds (in addition to Owner and Engineer) the following:

20 West St., 22 West St., 24 West St., 3 Roberts Ct., 18 Congress St., 17-1/2 Church St., 21 Church St, 23-25 Church St., 7-9 Draper Pk., 22 Church St., 9 Water St., 11 Water St., 13 Draper Park.

- E. *Workers’ Compensation and Employer’s Liability:* Contractor shall purchase and maintain workers’ compensation and employer’s liability insurance, including, as applicable, United States Longshoreman and Harbor Workers’ Compensation Act, Jones Act, stop-gap employer’s liability coverage for monopolistic states, and foreign voluntary workers’ compensation (from available sources, notwithstanding the jurisdictional requirement of Paragraph 6.02.B of the General Conditions).

| Workers' Compensation and Related Policies | Policy limits of not less than: |
|---|--|
| Workers' Compensation | |
| State | Statutory |
| Applicable Federal (e.g., Longshoreman's) | Statutory |
| Foreign voluntary workers' compensation (employer's responsibility coverage), if applicable | Statutory |
| Employer's Liability | |
| Each accident | \$ 1,000,000 |
| Each employee | \$ 1,000,000 |
| Policy limit | \$ 2,000,000 |

- F. *Commercial General Liability—Claims Covered:* Contractor shall purchase and maintain commercial general liability insurance, covering all operations by or on behalf of Contractor, on an occurrence basis, against claims for:
1. damages because of bodily injury, sickness or disease, or death of any person other than Contractor's employees,
 2. damages insured by reasonably available personal injury liability coverage, and
 3. damages because of injury to or destruction of tangible property wherever located, including loss of use resulting therefrom.
- G. *Commercial General Liability—Form and Content:* Contractor's commercial liability policy must be written on a 1996 (or later) Insurance Services Organization, Inc. (ISO) commercial general liability form (occurrence form) and include the following coverages and endorsements:
1. Products and completed operations coverage.
 - a. Such insurance must be maintained for three years after final payment.
 - b. Contractor shall furnish Owner and each other additional insured (as identified in the Supplementary Conditions or elsewhere in the Contract) evidence of continuation of such insurance at final payment and three years thereafter.
 2. Blanket contractual liability coverage, including but not limited to coverage of Contractor's contractual indemnity obligations in Paragraph 7.18.
 3. Severability of interests and no insured-versus-insured or cross-liability exclusions.
 4. Underground, explosion, and collapse coverage.
 5. Personal injury coverage.
 6. Additional insured endorsements that include both ongoing operations and products and completed operations coverage through ISO Endorsements CG 20 10 10 01 and CG 20 37 10 01 (together). If Contractor demonstrates to Owner that the specified ISO endorsements are not commercially available, then Contractor may satisfy this requirement by providing equivalent endorsements.

7. For design professional additional insureds, ISO Endorsement CG 20 32 07 04 “Additional Insured—Engineers, Architects or Surveyors Not Engaged by the Named Insured” or its equivalent.
- H. *Commercial General Liability—Excluded Content:* The commercial general liability insurance policy, including its coverages, endorsements, and incorporated provisions, must not include any of the following:
1. Any modification of the standard definition of “insured contract” (except to delete the railroad protective liability exclusion if Contractor is required to indemnify a railroad or others with respect to Work within 50 feet of railroad property).
 2. Any exclusion for water intrusion or water damage.
 3. Any provisions resulting in the erosion of insurance limits by defense costs other than those already incorporated in ISO form CG 00 01.
 4. Any exclusion of coverage relating to earth subsidence or movement.
 5. Any exclusion for the insured’s vicarious liability, strict liability, or statutory liability (other than worker’s compensation).
 6. Any limitation or exclusion based on the nature of Contractor’s work.
 7. Any professional liability exclusion broader in effect than the most recent edition of ISO form CG 22 79.
- I. *Commercial General Liability—Minimum Policy Limits*

| Commercial General Liability | Policy limits of not less than: |
|---|--|
| General Aggregate | \$3,000,000 |
| Bodily Injury and Property Damage—Each Occurrence | \$ 1,000,000 |

- J. *Automobile Liability:* Contractor shall purchase and maintain automobile liability insurance for damages because of bodily injury or death of any person or property damage arising out of the ownership, maintenance, or use of any motor vehicle. The automobile liability policy must be written on an occurrence basis.

| Automobile Liability | Policy limits of not less than: |
|-----------------------------|--|
| Bodily Injury | |
| Each Person | \$ 500,000 |
| Each Accident | \$ 1,000,000 |
| Property Damage | |
| Each Property | \$ 100,000 |
| Each Accident | \$ 500,000 |

- K. *Umbrella or Excess Liability:* Contractor shall purchase and maintain umbrella or excess liability insurance written over the underlying employer’s liability, commercial general liability, and automobile liability insurance described in the Paragraphs above. The coverage afforded must be at least as broad as that of each and every one of the underlying policies.

| Excess or Umbrella Liability | Policy limits of not less than: |
|-------------------------------------|--|
| Each Occurrence | \$1,000,000 |
| General Aggregate | \$3,000,000 |

- L. *Using Umbrella or Excess Liability Insurance to Meet CGL and Other Policy Limit Requirements:* Contractor may meet the policy limits specified for employer’s liability, commercial general liability, and automobile liability through the primary policies alone, or through combinations of the primary insurance policy’s policy limits and partial attribution of the policy limits of an umbrella or excess liability policy that is at least as broad in coverage as that of the underlying policy, as specified herein. If such umbrella or excess liability policy was required under this Contract, at a specified minimum policy limit, such umbrella or excess policy must retain a minimum limit of **\$1,000,000** after accounting for partial attribution of its limits to underlying policies, as allowed above.
- M. *Contractor’s Pollution Liability Insurance:* Contractor shall purchase and maintain a policy covering third-party injury and property damage, including cleanup costs, as a result of pollution conditions arising from Contractor’s operations and completed operations. This insurance must be maintained for no less than three years after final completion.
- N. *Contractor’s Professional Liability Insurance:* If Contractor will provide or furnish professional services under this *Contract*, through a delegation of professional design services or otherwise, then Contractor shall be responsible for purchasing and maintaining applicable professional liability insurance. This insurance must cover negligent acts, errors, or omissions in the performance of professional design or related services by the insured or others for whom the insured is legally liable. The insurance must be maintained throughout the duration of the Contract and for a minimum of two years after Substantial Completion. The retroactive date on the policy must pre-date the commencement of furnishing services on the Project.

| Contractor’s Professional Liability | Policy limits of not less than: |
|--|--|
| Each Claim | \$1,000,000 |
| Annual Aggregate | \$2,000,000 |

- O. The successful bidder(s) shall provide the DPW a certificate of liability insurance naming the Town of Milford as an additional insured prior to the commencement of work.

6.04 *Builder’s Risk and Other Property Insurance*

Delete paragraph 6.04 of the General Conditions in its entirety.

6.05 *Property Losses; Subrogation*

Delete paragraph 6.05 of the General Conditions in its entirety.

Article 6—Contractor’s Responsibilities

7.03 *Labor; Working Hours*

- SC-7.03 Add the following new subparagraphs immediately after Paragraph 7.03.C:
1. Regular working hours will be **7:30 AM to 4:30 PM**.
 2. Owner's legal holidays are **New Year's Day (Jan. 1st)**, **Martin Luther King Jr. Day (Jan. 20th)**, **Presidents Day (Feb. 17th)**, **Patriots' Day (Apr. 21st)**, **Memorial Day (May 26th)**, **Juneteenth (Jun. 19th)**, **Independence Day (Jul. 4th)**, **Labor Day (Sep. 1st)**, **Columbus Day (Oct. 13th)**, **Veterans Day (Nov. 11th)**, **Thanksgiving (Nov. 27th)**, and **Christmas Dec. 25th**.
- SC-7.03 Amend the first and second sentences of Paragraph 7.03.C to state "...all Work at the Site must be performed during regular working hours, **Monday** through **Friday**. Contractor will not perform Work on a **Saturday, Sunday**, or any legal holiday."
- SC-7.03 Add the following new paragraph immediately after Paragraph 7.03.C:
- D. **Contractor** shall be responsible for the cost of any overtime pay or other expense incurred by the Owner for Engineer's services (including those of the Resident Project Representative, if any), Owner's representative, and construction observation services, occasioned by the performance of Work on Saturday, Sunday, any legal holiday, or as overtime on any regular work day. If Contractor is responsible but does not pay, or if the parties are unable to agree as to the amount owed, then Owner may impose a reasonable set-off against payments due under Article 15.
- SC-7.03 Add the following new subparagraph immediately after Paragraph SC-7.03.D:
1. For purposes of administering the foregoing requirement, additional overtime costs are defined as **hours worked over regular time (40 hours) at a rate of 1.5x hourly rate**.
- 7.04 *Services, Materials, and Equipment*
- SC-7.04 Add the following at the end after Paragraph 7.04.C:
- D. As appropriate to the extent consistent with law, the Contractor shall to the greatest extent practicable, provide a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United States (including but not limited to iron, aluminum, steel, cement, and other manufactured products). "Produced in the United States" means, for iron and steel products, that all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States. "Manufactured products" means items and construction materials composed in whole or in part of non-ferrous metals such as aluminum; plastics and polymer-based products such as polyvinyl chloride pipe; aggregates such as concrete; glass, including optical fiber; and lumber.
- 7.10 *Taxes*
- SC-7.10 Add a new paragraph immediately after Paragraph 7.10.A:
- A. Owner is exempt from payment of sales and compensating use taxes of the State of **Massachusetts** and of cities and counties thereof on all materials to be incorporated into the Work.
1. Owner will furnish the required certificates of tax exemption to Contractor for use in the purchase of supplies and materials to be incorporated into the Work.

2. Owner's exemption does not apply to construction tools, machinery, equipment, or other property purchased by or leased by Contractor, or to supplies or materials not incorporated into the Work.

7.11 *Laws and Regulations*

SC-7.11 Add a new paragraph immediately after Paragraph 7.11.C:

- D. Contractor shall comply with all applicable provisions of Chapter 30, Section 39R of the Massachusetts General Laws regarding Contractor's records.

7.18 *Indemnification*

SC-7.18 Add the following paragraphs immediately after Paragraph 7.18.B:

- C. The indemnification obligations of Contract under Paragraph 7.18.A shall not extend to the liability of Engineer and Engineer's officers, directors, members, partners, employees, agents, consultants, and subcontractors arising out of:
 1. The preparation or approval of, or the failure to prepare or approve maps, Drawings, opinions, reports, surveys, Change Orders, designs, or Specifications; or
 2. Giving directions or instructions, or failing to give them, if that is the primary cause of the injury or damage.
- D. If, through acts of neglect on the part of the Contractor, any other Contractor or any Subcontractor shall suffer loss or damage on the Work, Contractor shall settle with such other Contractor or Subcontractor by agreement or arbitration if such other Contractor or Subcontractor will so settle. If such other Contractor or Subcontractor shall assert any claim against Owner on account of any such damage alleged to have been sustained, Owner shall notify Contractor, who shall indemnify, defend, and save harmless Owner against any such claim.

Article 7—Other Work at the Site

No Supplementary Conditions in this Article.

Article 8—Owner's Responsibilities

No Supplementary Conditions in this Article.

Article 9—Engineer's Status During Construction

SC-10.03 Add the following new paragraphs immediately after Paragraph 10.03.B:

- C. The Resident Project Representative (RPR) will be Engineer's representative at the Site. RPR's dealings in matters pertaining to the Work in general will be with Engineer and Contractor. RPR's dealings with Subcontractors will only be through or with the full knowledge or approval of Contractor. The RPR will:
 1. *Conferences and Meetings:* Attend meetings with Contractor, such as preconstruction conferences, progress meetings, job conferences, and other Project-related meetings

(but not including Contractor's safety meetings), and as appropriate prepare and circulate copies of minutes thereof.

2. *Safety Compliance:* Comply with Site safety programs, as they apply to RPR, and if required to do so by such safety programs, receive safety training specifically related to RPR's own personal safety while at the Site.
 3. *Liaison*
 - a. Serve as Engineer's liaison with Contractor. Working principally through Contractor's authorized representative or designee, assist in providing information regarding the provisions and intent of the Contract Documents.
 - b. Assist Engineer in serving as Owner's liaison with Contractor when Contractor's operations affect Owner's on-Site operations.
 - c. Assist in obtaining from Owner additional details or information, when required for Contractor's proper execution of the Work.
 4. *Review of Work; Defective Work*
 - a. Conduct on-Site observations of the Work to assist Engineer in determining, to the extent set forth in Paragraph 10.02, if the Work is in general proceeding in accordance with the Contract Documents.
 - b. Observe whether any Work in place appears to be defective.
 - c. Observe whether any Work in place should be uncovered for observation, or requires special testing, inspection or approval.
 5. *Inspections and Tests*
 - a. Observe Contractor-arranged inspections required by Laws and Regulations, including but not limited to those performed by public or other agencies having jurisdiction over the Work.
 - b. Accompany visiting inspectors representing public or other agencies having jurisdiction over the Work.
 6. *Payment Requests:* Review Applications for Payment with Contractor.
 7. *Completion*
 - a. Participate in Engineer's visits regarding Substantial Completion.
 - b. Assist in the preparation of a punch list of items to be completed or corrected.
 - c. Participate in Engineer's visit to the Site in the company of Owner and Contractor regarding completion of the Work, and prepare a final punch list of items to be completed or corrected by Contractor.
 - d. Observe whether items on the final punch list have been completed or corrected.
- D. The RPR will not:
1. Authorize any deviation from the Contract Documents or substitution of materials or equipment (including "or-equal" items).

2. Exceed limitations of Engineer's authority as set forth in the Contract Documents.
3. Undertake any of the responsibilities of Contractor, Subcontractors, or Suppliers.
4. Advise on, issue directions relative to, or assume control over any aspect of the means, methods, techniques, sequences or procedures of construction.
5. Advise on, issue directions regarding, or assume control over security or safety practices, precautions, and programs in connection with the activities or operations of Owner or Contractor.
6. Participate in specialized field or laboratory tests or inspections conducted off-site by others except as specifically authorized by Engineer.
7. Authorize Owner to occupy the Project in whole or in part.

Article 10—Changes to the Contract

No suggested Supplementary Conditions in this Article.

Article 11—Claims

No suggested Supplementary Conditions in this Article.

Article 12—Cost of Work; Allowances, Unit Price Work

13.01 *Cost of the Work*

SC-13.01 Delete Paragraph 13.01.B.5.c in its entirety and replace with the following:

1. The fair rental and operating cost of all machinery and equipment used on the extra work for the period of such use. The fair rental and operating cost for all machinery and equipment shall be based upon the most recent edition of "Rental Rate Bluebook for Construction Equipment" (the "Bluebook"), published by Equipment Water (equipmentwatch.com), or a similar publication approved by Engineer and adjusted for regional and age adjustments as specified in the "Bluebook." Rental periods corresponding to the overall period of use shall be used, except if a piece of equipment used on extra work is already on the job, or has previously been rented for a long period of time (months), then the long term rental rate (monthly) shall be used in determining costs. The hourly rental rate for long-term rental equipment will be determined by the monthly rental rate divided by 176.
2. For the situations where equipment is on the job and available for use but cannot be used due to a delay or suspension of a portion or all of the Contract activities, a rental standby rate may be paid if the Contractor can conclusively demonstrate to the satisfaction of the Engineer that: (1) the equipment cannot be used elsewhere on the Project or demobilized and remobilized at a cost lower than the cost of standby time, (2) that the equipment cannot be put in use due to factors beyond the Contractor's control, and (3) the equipment on standby would have been used as part of the Work that is suspended or put on hold. The standby rate will be calculated as no more than 50% of the rental rate as listed in the "Bluebook" and adjusted for regional and age adjustments. Lesser standby rates may apply

if the Owner or Engineer can demonstrate that the Contactor's standby cost is less than this rate. The standby rate will not include operating costs. A standby rate will not be paid for equipment which is being employed for portions of the Work which are still underway. A standby rate will also not be paid for equipment which is readily demobilized including construction equipment categorized as "shop tools" or "miscellaneous" in the "Bluebook." Standby rates for durations of less than four hours will not be considered.

SC-13.01.C.1 Insert in the first sentence after the word "architect" the word "superintendents."

Article 13—Tests and Inspections; Correction, Removal, or Acceptance of Defective Work

14.02 *Tests, Inspections, and Approvals*

SC-14.02.A. Insert after the word "notice" the words "(minimum of 24 hours)" In Paragraph 14.02.A.

14.06 *Owner May Stop the Work*

SC-14.06.A Add the following new paragraph immediately after Paragraph 14.06.A

- B. If Owner stops work under Paragraph 13.05, Contractor shall not be entitled to an extension of Contract Time nor to an increase in Contract Price.

Article 14—Payments to Contractor, Set Offs; Completions; Correction Period

15.01 *Progress Payments*

SC-15.01.B.1 Delete the first sentence of Paragraph 15.01.B.1 and replace with the following:

- 1 Engineering will, once in each month, make an estimate in writing of the total value of the work completed as of the date of the Application. Engineer shall review the Application with Contractor and Contractor shall sign the Application.

SC-15.01.B.2 Insert the following sentence at the end of Paragraph 15.01.B.2

- 2 The Certificate of Insurance for stored material must list the Town of Milford and GZA GeoEnvironmental, Inc. as additional insured.

SC-15.01.C.1 Delete the Paragraph 15.01.C.1 in its entirety and insert the following in its place:

- 1 Progress Payments will be made in accordance with Massachusetts General Law Chapter 30, Section 39G, which is referenced in Part II of these Supplementary Conditions.

SC-15.01.D.1 Delete the Paragraph 15.01.D.1 in its entirety and insert the following in its place:

- 1 Progress Payments will be made in accordance with Massachusetts General Law Chapter, 30, Section 39G, which is referenced in Part II of these Supplementary Conditions.

SC-15.01 Add the following new Paragraph 15.01.F:

- F. For contracts in which the Contract Price is based on the Cost of Work, if Owner determines that progress payments made to date substantially exceed the actual progress of the Work (as measured by reference to the Schedule of Values), or present a potential conflict with the Guaranteed Maximum Price, then Owner may require that Contractor prepare and submit a plan for the remaining anticipated Applications for Payment that will bring payments and progress into closer alignment and take into account the Guaranteed Maximum Price (if any),

through reductions in billings, increases in retainage, or other equitable measures. Owner will review the plan, discuss any necessary modifications, and implement the plan as modified for all remaining Applications for Payment.

15.03 *Substantial Completion*

SC-15.03 Add the following new subparagraph to Paragraph 15.03.B:

1. If some or all of the Work has been determined not to be at a point of Substantial Completion and will require re-inspection or re-testing by Engineer, the cost of such re-inspection or re-testing, including the cost of time, travel and living expenses, will be paid by Contractor to Owner. If Contractor does not pay, or the parties are unable to agree as to the amount owed, then Owner may impose a reasonable set-off against payments due under this Article 15.

SC-15.03 Add the following new paragraph immediately after Paragraph 15.03.F.

- G. Substantial Completion shall be as defined in Chapter 30, Section 39G of Massachusetts General Law.

15.08 *Correction Period*

SC-15.08 Add the following new Paragraph 15.08.G:

- G. The correction period specified as one year after the date of Substantial Completion in Paragraph 15.08.A of the General Conditions is hereby revised to be the number of years set forth in SC-6.01.B.1; or if no such revision has been made in SC-6.01.B, then the correction period is hereby specified to be **2** years after Substantial Completion.

Article 15—Suspension of Work and Termination

16.01 *Owner May Suspend Work*

SC-16.01.A Delete Paragraph 16.01.A in its entirety and replace with the following:

- A. Owner may order, at any time and without cause, suspension of the Work in accordance with Massachusetts General Law Chapter 30, Section 390, which is included in Part II of the Supplementary Conditions.

16.02 *Owner May Terminate for Cause*

SC-16.02.A.4 Add the following new paragraph immediately after Paragraph 16.02.A.4

5. If Contractor abandons the work, or sublets this Contract or any part thereof, without the previous written consent of Owner, or if the Contract or any claim thereunder shall be assigned by Contractor otherwise than as herein specified;

Article 16—Final Resolutions of Disputes

17.01 *Methods and Procedures*

SC-17.01.A Delete the Paragraph 17.01.A in its entirety and insert the following in its place:

- A. Subject to the provisions of paragraphs 9.08 and 10.05, Owner and Contractor may exercise such rights or remedies as either may otherwise have under the Contract Documents or by Laws or Regulations in respect of any dispute.

17.02 *Arbitration*

SC-17.02 Add the following new paragraph immediately after Paragraph 17.01.

17.02 *Arbitration*

- A. All matters subject to final resolution under this Article will be settled by arbitration administered by the American Arbitration Association in accordance with its Construction Industry Arbitration Rules (subject to the conditions and limitations of this Paragraph SC-17.02). Any controversy or claim in the amount of \$100,000 or less will be settled in accordance with the American Arbitration Association's supplemental rules for Fixed Time and Cost Construction Arbitration. This agreement to arbitrate will be specifically enforceable under the prevailing law of any court having jurisdiction.
- B. The demand for arbitration will be filed in writing with the other party to the Contract and with the selected arbitration administrator, and a copy will be sent to Engineer for information. The demand for arbitration will be made within the specific time required in Article 17, or if no specified time is applicable within a reasonable time after the matter in question has arisen, and in no event will any such demand be made after the date when institution of legal or equitable proceedings based on such matter in question would be barred by the applicable statute of limitations.
- C. The arbitrator(s) must be licensed engineers, contractors, attorneys, or construction managers. Hearings will take place pursuant to the standard procedures of the Construction Arbitration Rules that contemplate in-person hearings. The arbitrators will have no authority to award punitive or other damages not measured by the prevailing party's actual damages, except as may be required by statute or the Contract. Any award in an arbitration initiated under this clause will be limited to monetary damages and include no injunction or direction to any party other than the direction to pay a monetary amount.
- D. The Arbitrators will have the authority to allocate the costs of the arbitration process among the parties, but will only have the authority to allocate attorneys' fees if a specific Law or Regulation or this Contract permits them to do so.
- E. The award of the arbitrators must be accompanied by a reasoned written opinion and a concise breakdown of the award. The written opinion will cite the Contract provisions deemed applicable and relied on in making the award.
- F. The parties agree that failure or refusal of a party to pay its required share of the deposits for arbitrator compensation or administrative charges will constitute a waiver by that party to present evidence or cross-examine witness. In such event, the other party shall be required to present evidence and legal argument as the arbitrator(s) may require for the making of an award. Such waiver will not allow for a default judgment against the non-paying party in the absence of evidence presented as provided for above.
- G. No arbitration arising out of or relating to the Contract will include by consolidation, joinder, or in any other manner any other individual or entity (including Engineer, and Engineer's consultants and the officers, directors, partners, agents, employees or consultants of any of them) who is not a party to this Contract unless:
 - 1. the inclusion of such other individual or entity will allow complete relief to be afforded among those who are already parties to the arbitration;

2. such other individual or entity is substantially involved in a question of law or fact which is common to those who are already parties to the arbitration, and which will arise in such proceedings;
 3. such other individual or entity is subject to arbitration under a contract with either Owner or Contractor, or consents to being joined in the arbitration; and
 4. the consolidation or joinder is in compliance with the arbitration administrator's procedural rules.
- H. The award will be final. Judgment may be entered upon it in any court having jurisdiction thereof, and it will not be subject to modification or appeal, subject to provisions of the Laws and Regulations relating to vacating or modifying an arbitral award.
- I. Except as may be required by Laws or Regulations, neither party nor an arbitrator may disclose the existence, content, or results of any arbitration hereunder without the prior written consent of both parties, with the exception of any disclosure required by Laws and Regulations or the Contract. To the extent any disclosure is allowed pursuant to the exception, the disclosure must be strictly and narrowly limited to maintain confidentiality to the extent possible.

17.03 *Attorneys' Fees*

SC-17.03 Add the following new paragraph immediately after Paragraph 17.02.

17.03 *Attorneys' Fees*

- A. For any matter subject to final resolution under this Article, the prevailing party shall be entitled to an award of its attorneys' fees incurred in the final resolution proceedings, in an equitable amount to be determined in the discretion of the court, arbitrator, arbitration panel, or other arbiter of the matter subject to final resolution, taking into account the parties' initial demand or defense positions in comparison with the final result.

Article 17—Miscellaneous

18.08 *Assignment of Contract*

SC-18.08 Add the following new paragraph immediately after Paragraph 18.08.A:

- B. The contract dated **[date]** between Owner as "buyer" and **[identify seller]** as "seller" for procurement of goods and special services ("procurement contract") **[is hereby] [will be]** assigned to Contractor by Owner, and Contractor **[accepts] [will accept]** such assignment. A form documenting the assignment is attached as an exhibit to this Contract.
1. This assignment will occur on the **[Effective Date of the Contract]**, and will relieve the Owner as "buyer" from all further obligations and liabilities under the procurement contract.
 2. Upon assignment, the "seller" will be a Subcontractor or Supplier of the Contractor, and Contractor will be responsible for seller's performance, acts, and omissions, as set forth in Paragraph 7.07 of the General Conditions just as Contractor is responsible for all other Subcontractors and Suppliers.

3. Notwithstanding this assignment, all performance guarantees and warranties required by the procurement contract will continue to run for the benefit of the Owner and, in addition, for the benefit of the Contractor.
4. Except as noted in the procurement contract, all rights, duties and obligations of Engineer to “buyer” and “seller” under the procurement contract will cease **[upon the assignment to Contractor]**.

PART 2— STATE GOVERNMENT PROVISIONS

State Government Provisions included herein, have been selected from those to which specific references have been made elsewhere in the Contract Documents. Each and every other provision of law or clause required by law to be inserted in this Contract shall be deemed to be also inserted herein in accordance with Paragraph SC-3.01.H of the Supplementary Conditions.

2.0 COMMONWEALTH OF MASSACHUSETTS PROVISIONS

- 2.1 Owner and Contractor agree that the following Commonwealth of Massachusetts Provisions apply to the work to be performed under this Contract and that these provisions supersede any conflicting provisions of this Contract.
- 2.2 Applicable provisions of Massachusetts General Laws and Regulations and/or the United States Code and Code of Federal Regulations govern this Contract and any provisions in violation of the foregoing shall be deemed null, void and of no effect. Where conflict between Code and Federal Requirements and State Laws and Regulations exist, the more stringent requirements shall apply.
- 2.3 Massachusetts General Laws:
 - 2.3.1 Chapter 30, Section 39F
 - 2.3.2 Chapter 30, Section 39G
 - 2.3.3 Chapter 30, Section 39I
 - 2.3.4 Chapter 30, Section 39J
 - 2.3.5 Chapter 30, Section 39L
 - 2.3.6 Chapter 30, Section 39M
 - 2.3.7 Chapter 30, Section 39N
 - 2.3.8 Chapter 30, Section 39O
 - 2.3.9 Chapter 30, Section 39P
 - 2.3.10 Chapter 30, Section 39Q
- 2.4 520 CMR 14.00 Excavation Trench Safety
- 2.5 State Wage Rates (See Exhibit B)
- 2.6 Massachusetts Construction Grants Policy Memoranda

PART 3— FEDERAL GOVERNMENT PROVISIONS

The Project is being federally funded by the Federal Emergency Management Agency (FEMA) through a grant issued by the Massachusetts Emergency Management Agency (MEMA).

3.0 DEPARTMENT OF HOMELAND SECURITY PROVISIONS

- 3.1 Department of Homeland Security (DHS) Standard Terms and Conditions – 2020 (See Exhibit C).

EXHIBIT A—SOFTWARE REQUIREMENTS FOR ELECTRONIC DOCUMENT EXCHANGE

| Item | Electronic Documents | Transmittal Means | Data Format | Note (1) |
|--------------|---|-------------------------------|--------------------|-----------------|
| a.1 | General communications, transmittal covers, meeting notices and responses to general information requests for which there is no specific prescribed form. | Email | Email | |
| a.2 | Meeting agendas, meeting minutes, RFI's and responses to RFI's, and Contract forms. | Email w/ Attachment | PDF | (2) |
| a.3 | Contactors Submittals (Shop Drawings, "or equal" requests, substitution requests, documentation accompanying Sample submittals and other submittals) to Owner and Engineer, and Owner's and Engineer's responses to Contractor's Submittals, Shop Drawings, correspondence, and Applications for Payment. | Email w/ Attachment | PDF | |
| a.4 | Correspondence; milestone and final version Submittals of reports, layouts, Drawings, maps, calculations and spreadsheets, Specifications, Drawings and other Submittals from Contractor to Owner or Engineer and for responses from Engineer and Owner to Contractor regarding Submittals. | Email w/ Attachment or LFE | PDF | |
| a.5 | Layouts and drawings to be submitted to Owner for future use and modification. | Email w/ Attachment or LFE | DWG | |
| a.6 | Correspondence, reports and Specifications to be submitted to Owner for future word processing use and modification. | Email w/ Attachment or LFE | DOC | |
| a.7 | Spreadsheets and data to be submitted to Owner for future data processing use and modification. | Email w/ Attachment or LFE | EXC | |
| a.8 | Database files and data to be submitted to Owner for future data processing use and modification. | Email w/ Attachment or LFE | DB | |
| Notes | | | | |
| (1) | All exchanges and uses of transmitted data are subject to the appropriate provisions of Contract Documents. | | | |
| (2) | Transmittal of written notices is governed by Paragraph 18.01 of the General Conditions. | | | |
| Key | | | | |
| Email | Standard Email formats (.htm, .rtf, or .txt). Do not use stationery formatting or other features that impair legibility of content on screen or in printed copies | | | |
| LFE | Agreed upon Large File Exchange method (FTP, CD, DVD, hard drive) | | | |
| PDF | Portable Document Format readable by Adobe® Acrobat Reader Version 24.512 or later | | | |
| DWG | Autodesk® AutoCAD .dwg format Version 2022 | | | |
| DOC | Microsoft® Word .docx format Version 2108 | | | |
| EXC | Microsoft® Excel .xls or .xml format Version 2108 | | | |
| DB | Microsoft® Access .mdb format Version 2021 | | | |

EXHIBIT B—STATE WAGE RATES



MAURA HEALEY
Governor

KIM DRISCOLL
Lt. Governor

THE COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF LABOR AND WORKFORCE DEVELOPMENT
DEPARTMENT OF LABOR STANDARDS

Prevailing Wage Rates

As determined by the Director under the provisions of the
Massachusetts General Laws, Chapter 149, Sections 26 to 27H

LAUREN JONES
Secretary

MICHAEL FLANAGAN
Director

Awarding Authority: Milford Highway Department

Contract Number:

City/Town: MILFORD

Description of Work: West St. to Water St.

Job Location: Milford

Information about Prevailing Wage Schedules for Awarding Authorities and Contractors

- The wage rates will remain in effect for the duration of the project, except in the case of multi-year public construction projects. For construction projects lasting longer than one year, awarding authorities must request an updated wage schedule no later than two weeks before the anniversary of the date the contract was executed by the awarding authority and the general contractor. For multi-year CM AT RISK projects, the awarding authority must request an annual update no later than two weeks before the anniversary date, determined as the earlier of: (a) the execution date of the GMP Amendment, or (b) the execution date of the first amendment to permit procurement of construction services. The updated wage schedule must be provided to all contractors, including general and sub-contractors, working on the construction project.
- This annual update requirement is generally not applicable to 27F "rental of equipment" contracts. For such contracts, the prevailing wage rates issued by DLS shall remain in effect for the duration of the contract term. However, if the prevailing wage rate sheet issued does not contain wage rates for each year covered by the contract term, the Awarding Authority must request updated rate sheets from DLS and provide them to the contractor to ensure the correct rates are being paid throughout the duration of the contract. Additionally, if an Awarding Authority exercises an option to renew or extend the contract term, they must request updated rate sheets from DLS and provide them to the contractor.
- This wage schedule applies only to the specific project referenced at the top of this page and uniquely identified by the "Wage Request Number" on all pages of this schedule.
- An Awarding Authority must request an updated wage schedule if it has not opened bids or selected a contractor within 90 days of the date of issuance of the wage schedule. For CM AT RISK projects (bid pursuant to G.L. c.149A), the earlier of: (a) the execution date of the GMP Amendment, or (b) the bid for the first construction scope of work must be within 90-days of the wage schedule issuance date.
- The wage schedule shall be incorporated in any advertisement or call for bids for the project as required by M.G.L. c. 149, § 27. The wage schedule shall be made a part of the contract awarded for the project. The wage schedule must be posted in a conspicuous place at the work site for the life of the project in accordance with M.G.L. c. 149 § 27. The wages listed on the wage schedule must be paid to employees performing construction work on the project whether they are employed by the prime contractor, a filed sub-bidder, or a sub-contractor.
- Apprentices working on the project are required to be registered with the Massachusetts Division of Apprentice Standards (DAS). Apprentices must keep their apprentice identification card on their persons during all work hours on the project. An apprentice registered with DAS may be paid the lower apprentice wage rate at the applicable step as provided on the prevailing wage schedule. **Any apprentice not registered with DAS regardless of whether they are registered with another federal, state, local, or private agency must be paid the journeyworker's rate.**
- Every contractor or subcontractor working on the construction project must submit weekly payroll reports and a Statement of Compliance directly to the awarding authority by mail or email and keep them on file for three years. Each weekly payroll report must contain: the employee's name, address, occupational classification, hours worked, and wages paid. Do not submit weekly payroll reports to DLS. For a sample payroll reporting form go to <http://www.mass.gov/dols/pw>.
- Contractors with questions about the wage rates or classifications included on the wage schedule have an affirmative obligation to inquire with DLS at (617) 626-6953.
- Contractors must obtain the wage schedules from awarding authorities. Failure of a contractor or subcontractor to pay the prevailing wage rates listed on the wage schedule to all employees who perform construction work on the project is a violation of the law and subjects the contractor or subcontractor to civil and criminal penalties.
- Employees not receiving the prevailing wage rate set forth on the wage schedule may file a complaint with the Fair Labor Division of the office of the Attorney General at (617) 727-3465.

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|-----------|---------|---------|---------------------------|------------|
| Construction | | | | | | |
| (2 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i> | 01/01/2025 | \$39.95 | \$15.57 | \$20.17 | \$0.00 | \$75.69 |
| | 06/01/2025 | \$40.95 | \$15.57 | \$20.17 | \$0.00 | \$76.69 |
| | 12/01/2025 | \$40.95 | \$15.57 | \$21.78 | \$0.00 | \$78.30 |
| | 01/01/2026 | \$40.95 | \$16.17 | \$21.78 | \$0.00 | \$78.90 |
| | 06/01/2026 | \$41.95 | \$16.17 | \$21.78 | \$0.00 | \$79.90 |
| | 12/01/2026 | \$41.95 | \$16.17 | \$23.52 | \$0.00 | \$81.64 |
| | 01/01/2027 | \$41.95 | \$16.77 | \$23.52 | \$0.00 | \$82.24 |
| (3 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i> | 01/01/2025 | \$40.02 | \$15.57 | \$20.17 | \$0.00 | \$75.76 |
| | 06/01/2025 | \$41.02 | \$15.57 | \$20.17 | \$0.00 | \$76.76 |
| | 12/01/2025 | \$41.02 | \$15.57 | \$21.78 | \$0.00 | \$78.37 |
| | 01/01/2026 | \$41.02 | \$16.17 | \$21.78 | \$0.00 | \$78.97 |
| | 06/01/2026 | \$42.02 | \$16.17 | \$21.78 | \$0.00 | \$79.97 |
| | 12/01/2026 | \$42.02 | \$16.17 | \$23.52 | \$0.00 | \$81.71 |
| | 01/01/2027 | \$42.02 | \$16.77 | \$23.52 | \$0.00 | \$82.31 |
| (4 & 5 AXLE) DRIVER - EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i> | 01/01/2025 | \$40.14 | \$15.57 | \$20.17 | \$0.00 | \$75.88 |
| | 06/01/2025 | \$41.14 | \$15.57 | \$20.17 | \$0.00 | \$76.88 |
| | 12/01/2025 | \$41.14 | \$15.57 | \$21.78 | \$0.00 | \$78.49 |
| | 01/01/2026 | \$41.14 | \$16.17 | \$21.78 | \$0.00 | \$79.09 |
| | 06/01/2026 | \$42.14 | \$16.17 | \$21.78 | \$0.00 | \$80.09 |
| | 12/01/2026 | \$42.14 | \$16.17 | \$23.52 | \$0.00 | \$81.83 |
| | 01/01/2027 | \$42.14 | \$16.77 | \$23.52 | \$0.00 | \$82.43 |
| ADS/SUBMERSIBLE PILOT <i>PILE DRIVER LOCAL 56 (ZONE 2)</i> | 08/01/2024 | \$117.16 | \$10.08 | \$24.29 | \$0.00 | \$151.53 |
| For apprentice rates see "Apprentice- PILE DRIVER" | | | | | | |
| AIR TRACK OPERATOR <i>LABORERS - ZONE 2</i> | 12/01/2024 | \$39.70 | \$9.90 | \$18.36 | \$0.00 | \$67.96 |
| | 06/01/2025 | \$41.09 | \$9.90 | \$18.36 | \$0.00 | \$69.35 |
| | 12/01/2025 | \$42.47 | \$9.90 | \$18.36 | \$0.00 | \$70.73 |
| | 06/01/2026 | \$43.91 | \$9.90 | \$18.36 | \$0.00 | \$72.17 |
| | 12/01/2026 | \$45.35 | \$9.90 | \$18.36 | \$0.00 | \$73.61 |
| | 06/01/2027 | \$46.80 | \$9.90 | \$18.36 | \$0.00 | \$75.06 |
| | 12/01/2027 | \$48.25 | \$9.90 | \$18.36 | \$0.00 | \$76.51 |
| | 06/01/2028 | \$49.75 | \$9.90 | \$18.36 | \$0.00 | \$78.01 |
| | 12/01/2028 | \$51.25 | \$9.90 | \$18.36 | \$0.00 | \$79.51 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| AIR TRACK OPERATOR (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i> | 12/01/2024 | \$39.70 | \$9.90 | \$18.46 | \$0.00 | \$68.06 |
| | 06/01/2025 | \$41.09 | \$9.90 | \$18.46 | \$0.00 | \$69.45 |
| | 12/01/2025 | \$42.47 | \$9.90 | \$18.46 | \$0.00 | \$70.83 |
| | 06/01/2026 | \$43.91 | \$9.90 | \$18.46 | \$0.00 | \$72.27 |
| | 12/01/2026 | \$45.35 | \$9.90 | \$18.46 | \$0.00 | \$73.71 |
| For apprentice rates see "Apprentice- LABORER (Heavy and Highway)" | | | | | | |
| ASBESTOS WORKER (PIPES & TANKS) <i>HEAT & FROST INSULATORS LOCAL 6 (WORCESTER)</i> | 12/01/2024 | \$42.80 | \$14.50 | \$11.05 | \$0.00 | \$68.35 |
| | 06/01/2025 | \$43.80 | \$14.50 | \$11.05 | \$0.00 | \$69.35 |
| | 12/01/2025 | \$44.80 | \$14.50 | \$11.05 | \$0.00 | \$70.35 |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|-----------|---------|---------|---------------------------|------------|
| ASPHALT RAKER <i>LABORERS - ZONE 2</i> | 12/01/2024 | \$39.20 | \$9.90 | \$18.36 | \$0.00 | \$67.46 |
| | 06/01/2025 | \$40.59 | \$9.90 | \$18.36 | \$0.00 | \$68.85 |
| | 12/01/2025 | \$41.97 | \$9.90 | \$18.36 | \$0.00 | \$70.23 |
| | 06/01/2026 | \$43.41 | \$9.90 | \$18.36 | \$0.00 | \$71.67 |
| | 12/01/2026 | \$44.85 | \$9.90 | \$18.36 | \$0.00 | \$73.11 |
| | 06/01/2027 | \$46.30 | \$9.90 | \$18.36 | \$0.00 | \$74.56 |
| | 12/01/2027 | \$47.75 | \$9.90 | \$18.36 | \$0.00 | \$76.01 |
| | 06/01/2028 | \$49.25 | \$9.90 | \$18.36 | \$0.00 | \$77.51 |
| | 12/01/2028 | \$50.75 | \$9.90 | \$18.36 | \$0.00 | \$79.01 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| ASPHALT RAKER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i> | 12/01/2024 | \$39.20 | \$9.90 | \$18.46 | \$0.00 | \$67.56 |
| | 06/01/2025 | \$40.59 | \$9.90 | \$18.46 | \$0.00 | \$68.95 |
| | 12/01/2025 | \$41.97 | \$9.90 | \$18.46 | \$0.00 | \$70.33 |
| | 06/01/2026 | \$43.41 | \$9.90 | \$18.46 | \$0.00 | \$71.77 |
| | 12/01/2026 | \$44.85 | \$9.90 | \$18.46 | \$0.00 | \$73.21 |
| For apprentice rates see "Apprentice- LABORER (Heavy and Highway)" | | | | | | |
| ASPHALT/CONCRETE/CRUSHER PLANT-ON SITE <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2024 | \$57.03 | \$15.55 | \$16.50 | \$0.00 | \$89.08 |
| | 06/01/2025 | \$58.33 | \$15.55 | \$16.50 | \$0.00 | \$90.38 |
| | 12/01/2025 | \$59.78 | \$15.55 | \$16.50 | \$0.00 | \$91.83 |
| | 06/01/2026 | \$61.08 | \$15.55 | \$16.50 | \$0.00 | \$93.13 |
| | 12/01/2026 | \$62.53 | \$15.55 | \$16.50 | \$0.00 | \$94.58 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| BACKHOE/FRONT-END LOADER <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2024 | \$57.03 | \$15.55 | \$16.50 | \$0.00 | \$89.08 |
| | 06/01/2025 | \$58.33 | \$15.55 | \$16.50 | \$0.00 | \$90.38 |
| | 12/01/2025 | \$59.78 | \$15.55 | \$16.50 | \$0.00 | \$91.83 |
| | 06/01/2026 | \$61.08 | \$15.55 | \$16.50 | \$0.00 | \$93.13 |
| | 12/01/2026 | \$62.53 | \$15.55 | \$16.50 | \$0.00 | \$94.58 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| BARCO-TYPE JUMPING TAMPER <i>LABORERS - ZONE 2</i> | 12/01/2024 | \$39.20 | \$9.90 | \$18.36 | \$0.00 | \$67.46 |
| | 06/01/2025 | \$40.59 | \$9.90 | \$18.36 | \$0.00 | \$68.85 |
| | 12/01/2025 | \$41.97 | \$9.90 | \$18.36 | \$0.00 | \$70.23 |
| | 06/01/2026 | \$43.41 | \$9.90 | \$18.36 | \$0.00 | \$71.67 |
| | 12/01/2026 | \$44.85 | \$9.90 | \$18.36 | \$0.00 | \$73.11 |
| | 06/01/2027 | \$46.30 | \$9.90 | \$18.36 | \$0.00 | \$74.56 |
| | 12/01/2027 | \$47.75 | \$9.90 | \$18.36 | \$0.00 | \$76.01 |
| | 06/01/2028 | \$49.25 | \$9.90 | \$18.36 | \$0.00 | \$77.51 |
| | 12/01/2028 | \$50.75 | \$9.90 | \$18.36 | \$0.00 | \$79.01 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|-----------|--------|---------|---------------------------|------------|
| BLOCK PAVER, RAMMER / CURB SETTER <i>LABORERS - ZONE 2</i> | 12/01/2024 | \$39.70 | \$9.90 | \$18.36 | \$0.00 | \$67.96 |
| | 06/01/2025 | \$41.09 | \$9.90 | \$18.36 | \$0.00 | \$69.35 |
| | 12/01/2025 | \$42.47 | \$9.90 | \$18.36 | \$0.00 | \$70.73 |
| | 06/01/2026 | \$43.91 | \$9.90 | \$18.36 | \$0.00 | \$72.17 |
| | 12/01/2026 | \$45.35 | \$9.90 | \$18.36 | \$0.00 | \$73.61 |
| | 06/01/2027 | \$46.80 | \$9.90 | \$18.36 | \$0.00 | \$75.06 |
| | 12/01/2027 | \$48.25 | \$9.90 | \$18.36 | \$0.00 | \$76.51 |
| | 06/01/2028 | \$49.75 | \$9.90 | \$18.36 | \$0.00 | \$78.01 |
| | 12/01/2028 | \$51.25 | \$9.90 | \$18.36 | \$0.00 | \$79.51 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| BLOCK PAVER, RAMMER / CURB SETTER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i> | 12/01/2024 | \$39.70 | \$9.90 | \$18.46 | \$0.00 | \$68.06 |
| | 06/01/2025 | \$41.09 | \$9.90 | \$18.46 | \$0.00 | \$69.45 |
| | 12/01/2025 | \$42.47 | \$9.90 | \$18.46 | \$0.00 | \$70.83 |
| | 06/01/2026 | \$43.91 | \$9.90 | \$18.46 | \$0.00 | \$72.27 |
| | 12/01/2026 | \$45.35 | \$9.90 | \$18.46 | \$0.00 | \$73.71 |
| For apprentice rates see "Apprentice- LABORER (Heavy and Highway)" | | | | | | |
| BOILER MAKER <i>BOILERMAKERS LOCAL 29</i> | 01/01/2024 | \$48.12 | \$7.07 | \$20.60 | \$0.00 | \$75.79 |

Apprentice - BOILERMAKER - Local 29

Effective Date - 01/01/2024

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 65 | \$31.28 | \$7.07 | \$13.22 | \$0.00 | \$51.57 |
| 2 | 65 | \$31.28 | \$7.07 | \$13.22 | \$0.00 | \$51.57 |
| 3 | 70 | \$33.68 | \$7.07 | \$14.23 | \$0.00 | \$54.98 |
| 4 | 75 | \$36.09 | \$7.07 | \$15.24 | \$0.00 | \$58.40 |
| 5 | 80 | \$38.50 | \$7.07 | \$16.25 | \$0.00 | \$61.82 |
| 6 | 85 | \$40.90 | \$7.07 | \$17.28 | \$0.00 | \$65.25 |
| 7 | 90 | \$43.31 | \$7.07 | \$18.28 | \$0.00 | \$68.66 |
| 8 | 95 | \$45.71 | \$7.07 | \$19.32 | \$0.00 | \$72.10 |

Notes:

Apprentice to Journeyworker Ratio:1:4

| | | | | | | |
|---|------------|---------|---------|---------|--------|----------|
| BRICK/STONE/ARTIFICIAL MASONRY (INCL. MASONRY WATERPROOFING) <i>BRICKLAYERS LOCAL 3 (LOWELL)</i> | 02/01/2025 | \$63.66 | \$11.49 | \$22.90 | \$0.00 | \$98.05 |
| | 08/01/2025 | \$65.81 | \$11.49 | \$22.90 | \$0.00 | \$100.20 |
| | 02/01/2026 | \$67.16 | \$11.49 | \$22.90 | \$0.00 | \$101.55 |
| | 08/01/2026 | \$69.36 | \$11.49 | \$22.90 | \$0.00 | \$103.75 |
| | 02/01/2027 | \$70.76 | \$11.49 | \$22.90 | \$0.00 | \$105.15 |

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - BRICK/PLASTER/CEMENT MASON - Local 3 Lowell

Effective Date - 02/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$31.83 | \$11.49 | \$22.90 | \$0.00 | \$66.22 |
| 2 | 60 | \$38.20 | \$11.49 | \$22.90 | \$0.00 | \$72.59 |
| 3 | 70 | \$44.56 | \$11.49 | \$22.90 | \$0.00 | \$78.95 |
| 4 | 80 | \$50.93 | \$11.49 | \$22.90 | \$0.00 | \$85.32 |
| 5 | 90 | \$57.29 | \$11.49 | \$22.90 | \$0.00 | \$91.68 |

Effective Date - 08/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$32.91 | \$11.49 | \$22.90 | \$0.00 | \$67.30 |
| 2 | 60 | \$39.49 | \$11.49 | \$22.90 | \$0.00 | \$73.88 |
| 3 | 70 | \$46.07 | \$11.49 | \$22.90 | \$0.00 | \$80.46 |
| 4 | 80 | \$52.65 | \$11.49 | \$22.90 | \$0.00 | \$87.04 |
| 5 | 90 | \$59.23 | \$11.49 | \$22.90 | \$0.00 | \$93.62 |

Notes:

Apprentice to Journeyworker Ratio:1:5

| | | | | | | |
|------------------------------------|------------|---------|---------|---------|--------|---------|
| BULLDOZER/GRADER/SCRAPER | 12/01/2024 | \$56.40 | \$15.55 | \$16.50 | \$0.00 | \$88.45 |
| <i>OPERATING ENGINEERS LOCAL 4</i> | 06/01/2025 | \$57.68 | \$15.55 | \$16.50 | \$0.00 | \$89.73 |
| | 12/01/2025 | \$59.12 | \$15.55 | \$16.50 | \$0.00 | \$91.17 |
| | 06/01/2026 | \$60.40 | \$15.55 | \$16.50 | \$0.00 | \$92.45 |
| | 12/01/2026 | \$61.84 | \$15.55 | \$16.50 | \$0.00 | \$93.89 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| CAISSON & UNDERPINNING BOTTOM MAN | 12/01/2024 | \$47.35 | \$9.90 | \$19.05 | \$0.00 | \$76.30 |
| <i>LABORERS - FOUNDATION AND MARINE</i> | 06/01/2025 | \$48.85 | \$9.90 | \$19.05 | \$0.00 | \$77.80 |
| | 12/01/2025 | \$50.35 | \$9.90 | \$19.05 | \$0.00 | \$79.30 |
| | 06/01/2026 | \$51.90 | \$9.90 | \$19.05 | \$0.00 | \$80.85 |
| | 12/01/2026 | \$53.40 | \$9.90 | \$19.05 | \$0.00 | \$82.35 |

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| CAISSON & UNDERPINNING LABORER | 12/01/2024 | \$46.20 | \$9.90 | \$19.05 | \$0.00 | \$75.15 |
| <i>LABORERS - FOUNDATION AND MARINE</i> | 06/01/2025 | \$47.70 | \$9.90 | \$19.05 | \$0.00 | \$76.65 |
| | 12/01/2025 | \$49.20 | \$9.90 | \$19.05 | \$0.00 | \$78.15 |
| | 06/01/2026 | \$50.75 | \$9.90 | \$19.05 | \$0.00 | \$79.70 |
| | 12/01/2026 | \$52.25 | \$9.90 | \$19.05 | \$0.00 | \$81.20 |

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| CAISSON & UNDERPINNING TOP MAN | 12/01/2024 | \$46.53 | \$9.90 | \$19.05 | \$0.00 | \$75.48 |
| <i>LABORERS - FOUNDATION AND MARINE</i> | 06/01/2025 | \$48.03 | \$9.90 | \$19.05 | \$0.00 | \$76.98 |
| | 12/01/2025 | \$49.53 | \$9.90 | \$19.05 | \$0.00 | \$78.48 |
| | 06/01/2026 | \$51.08 | \$9.90 | \$19.05 | \$0.00 | \$80.03 |
| | 12/01/2026 | \$52.58 | \$9.90 | \$19.05 | \$0.00 | \$81.53 |

For apprentice rates see "Apprentice- LABORER"

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|-----------|--------|---------|---------------------------|------------|
| CARBIDE CORE DRILL OPERATOR <i>LABORERS - ZONE 2</i> | 12/01/2024 | \$39.20 | \$9.90 | \$18.36 | \$0.00 | \$67.46 |
| | 06/01/2025 | \$40.59 | \$9.90 | \$18.36 | \$0.00 | \$68.85 |
| | 12/01/2025 | \$41.97 | \$9.90 | \$18.36 | \$0.00 | \$70.23 |
| | 06/01/2026 | \$43.41 | \$9.90 | \$18.36 | \$0.00 | \$71.67 |
| | 12/01/2026 | \$44.85 | \$9.90 | \$18.36 | \$0.00 | \$73.11 |
| | 06/01/2027 | \$46.30 | \$9.90 | \$18.36 | \$0.00 | \$74.56 |
| | 12/01/2027 | \$47.75 | \$9.90 | \$18.36 | \$0.00 | \$76.01 |
| | 06/01/2028 | \$49.25 | \$9.90 | \$18.36 | \$0.00 | \$77.51 |
| | 12/01/2028 | \$50.75 | \$9.90 | \$18.36 | \$0.00 | \$79.01 |

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| CARPENTER <i>CARPENTERS -ZONE 2 (Eastern Massachusetts)</i> | 03/01/2025 | \$49.62 | \$9.83 | \$19.97 | \$0.00 | \$79.42 |
| | 09/01/2025 | \$50.87 | \$9.83 | \$19.97 | \$0.00 | \$80.67 |
| | 03/01/2026 | \$52.12 | \$9.83 | \$19.97 | \$0.00 | \$81.92 |
| | 09/01/2026 | \$53.37 | \$9.83 | \$19.97 | \$0.00 | \$83.17 |
| | 03/01/2027 | \$54.62 | \$9.83 | \$19.97 | \$0.00 | \$84.42 |

Apprentice - CARPENTER - Zone 2 Eastern MA

Effective Date - 03/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 45 | \$22.33 | \$9.83 | \$1.73 | \$0.00 | \$33.89 |
| 2 | 45 | \$22.33 | \$9.83 | \$1.73 | \$0.00 | \$33.89 |
| 3 | 55 | \$27.29 | \$9.83 | \$3.40 | \$0.00 | \$40.52 |
| 4 | 55 | \$27.29 | \$9.83 | \$3.40 | \$0.00 | \$40.52 |
| 5 | 70 | \$34.73 | \$9.83 | \$16.51 | \$0.00 | \$61.07 |
| 6 | 70 | \$34.73 | \$9.83 | \$16.51 | \$0.00 | \$61.07 |
| 7 | 80 | \$39.70 | \$9.83 | \$18.24 | \$0.00 | \$67.77 |
| 8 | 80 | \$39.70 | \$9.83 | \$18.24 | \$0.00 | \$67.77 |

Effective Date - 09/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 45 | \$22.89 | \$9.83 | \$1.73 | \$0.00 | \$34.45 |
| 2 | 45 | \$22.89 | \$9.83 | \$1.73 | \$0.00 | \$34.45 |
| 3 | 55 | \$27.98 | \$9.83 | \$3.40 | \$0.00 | \$41.21 |
| 4 | 55 | \$27.98 | \$9.83 | \$3.40 | \$0.00 | \$41.21 |
| 5 | 70 | \$35.61 | \$9.83 | \$16.51 | \$0.00 | \$61.95 |
| 6 | 70 | \$35.61 | \$9.83 | \$16.51 | \$0.00 | \$61.95 |
| 7 | 80 | \$40.70 | \$9.83 | \$18.24 | \$0.00 | \$68.77 |
| 8 | 80 | \$40.70 | \$9.83 | \$18.24 | \$0.00 | \$68.77 |

Notes:

Apprentice to Journeyworker Ratio:1:5

| | | | | | | |
|---|------------|---------|--------|--------|--------|---------|
| CARPENTER WOOD FRAME <i>CARPENTERS-ZONE 3 (Wood Frame)</i> | 10/01/2024 | \$26.65 | \$7.02 | \$4.80 | \$0.00 | \$38.47 |
| | 10/01/2025 | \$27.75 | \$7.02 | \$4.80 | \$0.00 | \$39.57 |
| | 10/01/2026 | \$28.85 | \$7.02 | \$4.80 | \$0.00 | \$40.67 |

Classification

All Aspects of New Wood Frame Work

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - CARPENTER (Wood Frame) - Zone 3

Effective Date - 10/01/2024

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 60 | \$15.99 | \$7.02 | \$0.00 | \$0.00 | \$23.01 |
| 2 | 60 | \$15.99 | \$7.02 | \$0.00 | \$0.00 | \$23.01 |
| 3 | 65 | \$17.32 | \$7.02 | \$1.00 | \$0.00 | \$25.34 |
| 4 | 70 | \$18.66 | \$7.02 | \$1.00 | \$0.00 | \$26.68 |
| 5 | 75 | \$19.99 | \$7.02 | \$4.80 | \$0.00 | \$31.81 |
| 6 | 80 | \$21.32 | \$7.02 | \$4.80 | \$0.00 | \$33.14 |
| 7 | 85 | \$22.65 | \$7.02 | \$4.80 | \$0.00 | \$34.47 |
| 8 | 90 | \$23.99 | \$7.02 | \$4.80 | \$0.00 | \$35.81 |

Effective Date - 10/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 60 | \$16.65 | \$7.02 | \$0.00 | \$0.00 | \$23.67 |
| 2 | 60 | \$16.65 | \$7.02 | \$0.00 | \$0.00 | \$23.67 |
| 3 | 65 | \$18.04 | \$7.02 | \$1.00 | \$0.00 | \$26.06 |
| 4 | 70 | \$19.43 | \$7.02 | \$1.00 | \$0.00 | \$27.45 |
| 5 | 75 | \$20.81 | \$7.02 | \$4.80 | \$0.00 | \$32.63 |
| 6 | 80 | \$22.20 | \$7.02 | \$4.80 | \$0.00 | \$34.02 |
| 7 | 85 | \$23.59 | \$7.02 | \$4.80 | \$0.00 | \$35.41 |
| 8 | 90 | \$24.98 | \$7.02 | \$4.80 | \$0.00 | \$36.80 |

Notes:

Apprentice to Journeyworker Ratio:1:5

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| CEMENT MASONRY/PLASTERING BRICKLAYERS LOCAL 3 (LOWELL) | 07/01/2024 | \$49.19 | \$13.35 | \$24.21 | \$1.80 | \$88.55 |
|---|------------|---------|---------|---------|--------|---------|

Apprentice - CEMENT MASONRY/PLASTERING - Lowell

Effective Date - 07/01/2024

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$24.60 | \$13.35 | \$16.43 | \$0.00 | \$54.38 |
| 2 | 60 | \$29.51 | \$13.35 | \$19.21 | \$1.80 | \$63.87 |
| 3 | 65 | \$31.97 | \$13.35 | \$20.21 | \$1.80 | \$67.33 |
| 4 | 70 | \$34.43 | \$13.35 | \$21.21 | \$1.80 | \$70.79 |
| 5 | 75 | \$36.89 | \$13.35 | \$22.21 | \$1.80 | \$74.25 |
| 6 | 80 | \$39.35 | \$13.35 | \$23.21 | \$1.80 | \$77.71 |
| 7 | 90 | \$44.27 | \$13.35 | \$24.21 | \$1.80 | \$83.63 |

Notes:
Steps 3,4 are 500 hrs. All other steps are 1,000 hrs.

Apprentice to Journeyworker Ratio:1:3

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| CHAIN SAW OPERATOR <i>LABORERS - ZONE 2</i> | 12/01/2024 | \$39.20 | \$9.90 | \$18.36 | \$0.00 | \$67.46 |
| | 06/01/2025 | \$40.59 | \$9.90 | \$18.36 | \$0.00 | \$68.85 |
| | 12/01/2025 | \$41.97 | \$9.90 | \$18.36 | \$0.00 | \$70.23 |
| | 06/01/2026 | \$43.41 | \$9.90 | \$18.36 | \$0.00 | \$71.67 |
| | 12/01/2026 | \$44.85 | \$9.90 | \$18.36 | \$0.00 | \$73.11 |
| | 06/01/2027 | \$46.30 | \$9.90 | \$18.36 | \$0.00 | \$74.56 |
| | 12/01/2027 | \$47.75 | \$9.90 | \$18.36 | \$0.00 | \$76.01 |
| | 06/01/2028 | \$49.25 | \$9.90 | \$18.36 | \$0.00 | \$77.51 |
| | 12/01/2028 | \$50.75 | \$9.90 | \$18.36 | \$0.00 | \$79.01 |

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| CLAM SHELLS/SLURRY BUCKETS/HEADING MACHINES <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2024 | \$58.18 | \$15.55 | \$16.50 | \$0.00 | \$90.23 |
| | 06/01/2025 | \$59.51 | \$15.55 | \$16.50 | \$0.00 | \$91.56 |
| | 12/01/2025 | \$60.98 | \$15.55 | \$16.50 | \$0.00 | \$93.03 |
| | 06/01/2026 | \$62.31 | \$15.55 | \$16.50 | \$0.00 | \$94.36 |
| | 12/01/2026 | \$63.79 | \$15.55 | \$16.50 | \$0.00 | \$95.84 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| COMPRESSOR OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2024 | \$36.67 | \$15.55 | \$16.50 | \$0.00 | \$68.72 |
| | 06/01/2025 | \$37.52 | \$15.55 | \$16.50 | \$0.00 | \$69.57 |
| | 12/01/2025 | \$38.47 | \$15.55 | \$16.50 | \$0.00 | \$70.52 |
| | 06/01/2026 | \$39.33 | \$15.55 | \$16.50 | \$0.00 | \$71.38 |
| | 12/01/2026 | \$40.28 | \$15.55 | \$16.50 | \$0.00 | \$72.33 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| DELEADER (BRIDGE) <i>PAINTERS LOCAL 35 - ZONE 2</i> | 01/01/2025 | \$58.46 | \$9.95 | \$23.95 | \$0.00 | \$92.36 |
|---|------------|---------|--------|---------|--------|---------|

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PAINTER Local 35 - BRIDGES/TANKS

Effective Date - 01/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$29.23 | \$9.95 | \$0.00 | \$0.00 | \$39.18 |
| 2 | 55 | \$32.15 | \$9.95 | \$6.66 | \$0.00 | \$48.76 |
| 3 | 60 | \$35.08 | \$9.95 | \$7.26 | \$0.00 | \$52.29 |
| 4 | 65 | \$38.00 | \$9.95 | \$7.87 | \$0.00 | \$55.82 |
| 5 | 70 | \$40.92 | \$9.95 | \$20.32 | \$0.00 | \$71.19 |
| 6 | 75 | \$43.85 | \$9.95 | \$20.93 | \$0.00 | \$74.73 |
| 7 | 80 | \$46.77 | \$9.95 | \$21.53 | \$0.00 | \$78.25 |
| 8 | 90 | \$52.61 | \$9.95 | \$22.74 | \$0.00 | \$85.30 |

Notes:
Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

| | | | | | | |
|------------------------------------|------------|---------|--------|---------|--------|---------|
| DEMO: ADZEMAN LABORERS - ZONE 2 | 12/02/2024 | \$46.25 | \$9.90 | \$18.90 | \$0.00 | \$75.05 |
| | 06/02/2025 | \$47.75 | \$9.90 | \$18.90 | \$0.00 | \$76.55 |
| | 12/01/2025 | \$49.25 | \$9.90 | \$18.90 | \$0.00 | \$78.05 |
| | 06/01/2026 | \$50.80 | \$9.90 | \$18.90 | \$0.00 | \$79.60 |
| | 12/07/2026 | \$52.30 | \$9.90 | \$18.90 | \$0.00 | \$81.10 |
| | 06/07/2027 | \$53.90 | \$9.90 | \$18.90 | \$0.00 | \$82.70 |
| | 12/06/2027 | \$55.50 | \$9.90 | \$18.90 | \$0.00 | \$84.30 |
| | 06/05/2028 | \$57.18 | \$9.90 | \$18.90 | \$0.00 | \$85.98 |
| | 12/04/2028 | \$58.85 | \$9.90 | \$18.90 | \$0.00 | \$87.65 |

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| DEMO: BACKHOE/LOADER/HAMMER OPERATOR LABORERS - ZONE 2 | 12/02/2024 | \$47.25 | \$9.90 | \$18.90 | \$0.00 | \$76.05 |
| | 06/02/2025 | \$48.75 | \$9.90 | \$18.90 | \$0.00 | \$77.55 |
| | 12/01/2025 | \$50.25 | \$9.90 | \$18.90 | \$0.00 | \$79.05 |
| | 06/01/2026 | \$51.80 | \$9.90 | \$18.90 | \$0.00 | \$80.60 |
| | 12/07/2026 | \$53.30 | \$9.90 | \$18.90 | \$0.00 | \$82.10 |
| | 06/07/2027 | \$54.90 | \$9.90 | \$18.90 | \$0.00 | \$83.70 |
| | 12/06/2027 | \$56.50 | \$9.90 | \$18.90 | \$0.00 | \$85.30 |
| | 06/05/2028 | \$58.18 | \$9.90 | \$18.90 | \$0.00 | \$86.98 |
| | 12/04/2028 | \$59.85 | \$9.90 | \$18.90 | \$0.00 | \$88.65 |

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|------------------------------------|------------|---------|--------|---------|--------|---------|
| DEMO: BURNERS LABORERS - ZONE 2 | 12/02/2024 | \$47.00 | \$9.90 | \$18.90 | \$0.00 | \$75.80 |
| | 06/02/2025 | \$48.50 | \$9.90 | \$18.90 | \$0.00 | \$77.30 |
| | 12/01/2025 | \$50.00 | \$9.90 | \$18.90 | \$0.00 | \$78.80 |
| | 06/01/2026 | \$51.55 | \$9.90 | \$18.90 | \$0.00 | \$80.35 |
| | 12/07/2026 | \$53.05 | \$9.90 | \$18.90 | \$0.00 | \$81.85 |
| | 06/07/2027 | \$54.65 | \$9.90 | \$18.90 | \$0.00 | \$83.45 |
| | 12/06/2027 | \$56.25 | \$9.90 | \$18.90 | \$0.00 | \$85.05 |
| | 06/05/2028 | \$57.93 | \$9.90 | \$18.90 | \$0.00 | \$86.73 |
| | 12/04/2028 | \$59.60 | \$9.90 | \$18.90 | \$0.00 | \$88.40 |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|--|----------------|-----------|---------|---------|---------------------------|------------|
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| DEMO: CONCRETE CUTTER/SAWYER LABORERS - ZONE 2 | 12/02/2024 | \$47.25 | \$9.90 | \$18.90 | \$0.00 | \$76.05 |
| | 06/02/2025 | \$48.75 | \$9.90 | \$18.90 | \$0.00 | \$77.55 |
| | 12/01/2025 | \$50.25 | \$9.90 | \$18.90 | \$0.00 | \$79.05 |
| | 06/01/2026 | \$51.80 | \$9.90 | \$18.90 | \$0.00 | \$80.60 |
| | 12/07/2026 | \$53.30 | \$9.90 | \$18.90 | \$0.00 | \$82.10 |
| | 06/07/2027 | \$54.90 | \$9.90 | \$18.90 | \$0.00 | \$83.70 |
| | 12/06/2027 | \$56.50 | \$9.90 | \$18.90 | \$0.00 | \$85.30 |
| | 06/05/2028 | \$58.18 | \$9.90 | \$18.90 | \$0.00 | \$86.98 |
| | 12/04/2028 | \$59.85 | \$9.90 | \$18.90 | \$0.00 | \$88.65 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| DEMO: JACKHAMMER OPERATOR LABORERS - ZONE 2 | 12/02/2024 | \$47.00 | \$9.90 | \$18.90 | \$0.00 | \$75.80 |
| | 06/02/2025 | \$48.50 | \$9.90 | \$18.90 | \$0.00 | \$77.30 |
| | 12/01/2025 | \$50.00 | \$9.90 | \$18.90 | \$0.00 | \$78.80 |
| | 06/01/2026 | \$51.55 | \$9.90 | \$18.90 | \$0.00 | \$80.35 |
| | 12/07/2026 | \$53.05 | \$9.90 | \$18.90 | \$0.00 | \$81.85 |
| | 06/07/2027 | \$54.65 | \$9.90 | \$18.90 | \$0.00 | \$83.45 |
| | 12/06/2027 | \$56.25 | \$9.90 | \$18.90 | \$0.00 | \$85.05 |
| | 06/05/2028 | \$57.93 | \$9.90 | \$18.90 | \$0.00 | \$86.73 |
| | 12/04/2028 | \$59.60 | \$9.90 | \$18.90 | \$0.00 | \$88.40 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| DEMO: WRECKING LABORER LABORERS - ZONE 2 | 12/02/2024 | \$46.25 | \$9.90 | \$18.90 | \$0.00 | \$75.05 |
| | 06/02/2025 | \$47.75 | \$9.90 | \$18.90 | \$0.00 | \$76.55 |
| | 12/01/2025 | \$49.25 | \$9.90 | \$18.90 | \$0.00 | \$78.05 |
| | 06/01/2026 | \$50.80 | \$9.90 | \$18.90 | \$0.00 | \$79.60 |
| | 12/07/2026 | \$52.30 | \$9.90 | \$18.90 | \$0.00 | \$81.10 |
| | 06/07/2027 | \$53.90 | \$9.90 | \$18.90 | \$0.00 | \$82.70 |
| | 12/06/2027 | \$55.50 | \$9.90 | \$18.90 | \$0.00 | \$84.30 |
| | 06/05/2028 | \$57.18 | \$9.90 | \$18.90 | \$0.00 | \$85.98 |
| | 12/04/2028 | \$58.85 | \$9.90 | \$18.90 | \$0.00 | \$87.65 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| DIRECTIONAL DRILL MACHINE OPERATOR OPERATING ENGINEERS LOCAL 4 | 12/01/2024 | \$56.40 | \$15.55 | \$16.50 | \$0.00 | \$88.45 |
| | 06/01/2025 | \$57.68 | \$15.55 | \$16.50 | \$0.00 | \$89.73 |
| | 12/01/2025 | \$59.12 | \$15.55 | \$16.50 | \$0.00 | \$91.17 |
| | 06/01/2026 | \$60.40 | \$15.55 | \$16.50 | \$0.00 | \$92.45 |
| | 12/01/2026 | \$61.84 | \$15.55 | \$16.50 | \$0.00 | \$93.89 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| DIVER PILE DRIVER LOCAL 56 (ZONE 2) | 08/01/2024 | \$78.11 | \$10.08 | \$24.29 | \$0.00 | \$112.48 |
| as of 8-1-24, Apprentices with diving licenses begin at second year. % of Diver wage 70/80/90 2A \$69.83, 3A \$91.79,4A \$102.14 Total Rate | | | | | | |
| DIVER TENDER PILE DRIVER LOCAL 56 (ZONE 2) | 08/01/2024 | \$51.97 | \$10.08 | \$24.29 | \$0.00 | \$86.34 |
| as of 8-1-24, Apprentices with diving licenses begin at second year. % of Piledriver wage 70/80/90 2A \$54.20, 3A \$73.93,4A \$82.05 Total Rate | | | | | | |
| DIVER TENDER (EFFLUENT) PILE DRIVER LOCAL 56 (ZONE 2) | 08/01/2024 | \$83.69 | \$10.08 | \$24.29 | \$0.00 | \$118.06 |
| For apprentice rates see "Apprentice- PILE DRIVER" | | | | | | |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|--|----------------|-----------|---------|---------|---------------------------|------------|
| DIVER/SLURRY (EFFLUENT) <i>PILE DRIVER LOCAL 56 (ZONE 2)</i> | 08/01/2024 | \$117.16 | \$10.08 | \$24.29 | \$0.00 | \$151.53 |
| For apprentice rates see "Apprentice- PILE DRIVER" | | | | | | |
| DRAWBRIDGE OPERATOR (Construction) <i>DRAWBRIDGE - SEIU LOCAL 888</i> | 07/01/2020 | \$26.77 | \$6.67 | \$3.93 | \$0.16 | \$37.53 |
| ELECTRICIAN <i>ELECTRICIANS LOCAL 96</i> | 09/01/2024 | \$47.05 | \$13.99 | \$19.22 | \$0.00 | \$80.26 |
| | 09/07/2025 | \$48.16 | \$14.98 | \$19.60 | \$0.00 | \$82.74 |
| | 09/06/2026 | \$49.38 | \$15.96 | \$20.00 | \$0.00 | \$85.34 |

Apprentice - *ELECTRICIAN - Local 96*

Effective Date - 09/01/2024

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 40 | \$18.82 | \$13.99 | \$0.56 | \$0.00 | \$33.37 |
| 2 | 45 | \$21.17 | \$13.99 | \$0.64 | \$0.00 | \$35.80 |
| 3 | 48 | \$22.58 | \$13.99 | \$15.79 | \$0.00 | \$52.36 |
| 4 | 55 | \$25.88 | \$13.99 | \$16.26 | \$0.00 | \$56.13 |
| 5 | 65 | \$30.58 | \$13.99 | \$16.91 | \$0.00 | \$61.48 |
| 6 | 80 | \$37.64 | \$13.99 | \$17.90 | \$0.00 | \$69.53 |

Effective Date - 09/07/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 40 | \$19.26 | \$14.98 | \$0.58 | \$0.00 | \$34.82 |
| 2 | 45 | \$21.67 | \$14.98 | \$0.65 | \$0.00 | \$37.30 |
| 3 | 48 | \$23.12 | \$14.98 | \$16.09 | \$0.00 | \$54.19 |
| 4 | 55 | \$26.49 | \$14.98 | \$16.57 | \$0.00 | \$58.04 |
| 5 | 65 | \$31.30 | \$14.98 | \$17.25 | \$0.00 | \$63.53 |
| 6 | 80 | \$38.53 | \$14.98 | \$18.26 | \$0.00 | \$71.77 |

Notes:

Steps 1-2 are 1000 hrs; Steps 3-6 are 1500 hrs.

Apprentice to Journeyworker Ratio:2:3***

| | | | | | | |
|---|------------|---------|---------|---------|--------|----------|
| ELEVATOR CONSTRUCTOR <i>ELEVATOR CONSTRUCTORS LOCAL 41</i> | 01/01/2025 | \$62.83 | \$16.28 | \$21.36 | \$0.00 | \$100.47 |
| | 01/01/2026 | \$63.68 | \$16.38 | \$21.76 | \$0.00 | \$101.82 |
| | 01/01/2027 | \$64.53 | \$16.48 | \$22.16 | \$0.00 | \$103.17 |

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - ELEVATOR CONSTRUCTOR - Local 41

Effective Date - 01/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$31.42 | \$16.28 | \$0.00 | \$0.00 | \$47.70 |
| 2 | 55 | \$34.56 | \$16.28 | \$21.36 | \$0.00 | \$72.20 |
| 3 | 65 | \$40.84 | \$16.28 | \$21.36 | \$0.00 | \$78.48 |
| 4 | 70 | \$43.98 | \$16.28 | \$21.36 | \$0.00 | \$81.62 |
| 5 | 80 | \$50.26 | \$16.28 | \$21.36 | \$0.00 | \$87.90 |

Effective Date - 01/01/2026

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$31.84 | \$16.38 | \$0.00 | \$0.00 | \$48.22 |
| 2 | 55 | \$35.02 | \$16.38 | \$21.76 | \$0.00 | \$73.16 |
| 3 | 65 | \$41.39 | \$16.38 | \$21.76 | \$0.00 | \$79.53 |
| 4 | 70 | \$44.58 | \$16.38 | \$21.76 | \$0.00 | \$82.72 |
| 5 | 80 | \$50.94 | \$16.38 | \$21.76 | \$0.00 | \$89.08 |

Notes:
Steps 1-2 are 6 mos.; Steps 3-5 are 1 year

Apprentice to Journeyworker Ratio:1:1

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| ELEVATOR CONSTRUCTOR HELPER <i>ELEVATOR CONSTRUCTORS LOCAL 41</i> | 01/01/2025 | \$43.98 | \$16.28 | \$21.36 | \$0.00 | \$81.62 |
| | 01/01/2026 | \$44.58 | \$16.38 | \$21.76 | \$0.00 | \$82.72 |
| | 01/01/2027 | \$45.17 | \$16.48 | \$22.16 | \$0.00 | \$83.81 |

For apprentice rates see "Apprentice - ELEVATOR CONSTRUCTOR"

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| FENCE & GUARD RAIL ERECTOR (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i> | 12/01/2024 | \$39.20 | \$9.90 | \$18.46 | \$0.00 | \$67.56 |
| | 06/01/2025 | \$40.59 | \$9.90 | \$18.46 | \$0.00 | \$68.95 |
| | 12/01/2025 | \$41.97 | \$9.90 | \$18.46 | \$0.00 | \$70.33 |
| | 06/01/2026 | \$43.41 | \$9.90 | \$18.46 | \$0.00 | \$71.77 |
| | 12/01/2026 | \$44.85 | \$9.90 | \$18.46 | \$0.00 | \$73.21 |

For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| FIELD ENG.INST.PERSON-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i> | 11/01/2024 | \$51.78 | \$15.30 | \$16.40 | \$0.00 | \$83.48 |
| | 05/01/2025 | \$53.22 | \$15.30 | \$16.40 | \$0.00 | \$84.92 |
| | 11/01/2025 | \$54.51 | \$15.30 | \$16.40 | \$0.00 | \$86.21 |
| | 05/01/2026 | \$55.95 | \$15.30 | \$16.40 | \$0.00 | \$87.65 |
| | 11/01/2026 | \$57.24 | \$15.30 | \$16.40 | \$0.00 | \$88.94 |
| | 05/01/2027 | \$58.67 | \$15.30 | \$16.40 | \$0.00 | \$90.37 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| FIELD ENG.PARTY CHIEF-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i> | 11/01/2024 | \$53.37 | \$15.30 | \$16.40 | \$0.00 | \$85.07 |
| | 05/01/2025 | \$54.82 | \$15.30 | \$16.40 | \$0.00 | \$86.52 |
| | 11/01/2025 | \$56.12 | \$15.30 | \$16.40 | \$0.00 | \$87.82 |
| | 05/01/2026 | \$57.57 | \$15.30 | \$16.40 | \$0.00 | \$89.27 |
| | 11/01/2026 | \$58.87 | \$15.30 | \$16.40 | \$0.00 | \$90.57 |
| | 05/01/2027 | \$60.32 | \$15.30 | \$16.40 | \$0.00 | \$92.02 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|--|----------------|-----------|---------|---------|---------------------------|------------|
| FIELD ENG.ROD PERSON-BLDG,SITE,HVY/HWY <i>OPERATING ENGINEERS LOCAL 4</i> | 11/01/2024 | \$25.37 | \$15.30 | \$16.40 | \$0.00 | \$57.07 |
| | 05/01/2025 | \$26.22 | \$15.30 | \$16.40 | \$0.00 | \$57.92 |
| | 11/01/2025 | \$26.98 | \$15.30 | \$16.40 | \$0.00 | \$58.68 |
| | 05/01/2026 | \$27.83 | \$15.30 | \$16.40 | \$0.00 | \$59.53 |
| | 11/01/2026 | \$28.59 | \$15.30 | \$16.40 | \$0.00 | \$60.29 |
| | 05/01/2027 | \$29.44 | \$15.30 | \$16.40 | \$0.00 | \$61.14 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| FIRE ALARM INSTALLER <i>ELECTRICIANS LOCAL 96</i> | 09/01/2024 | \$47.05 | \$13.99 | \$19.22 | \$0.00 | \$80.26 |
| | 09/07/2025 | \$48.16 | \$14.98 | \$19.60 | \$0.00 | \$82.74 |
| | 09/06/2026 | \$49.38 | \$15.96 | \$20.00 | \$0.00 | \$85.34 |
| For apprentice rates see "Apprentice- ELECTRICIAN" | | | | | | |
| FIRE ALARM REPAIR / MAINT/COMMISSIONING <i>ELECTRICIANS LOCAL 96</i> | 09/01/2024 | \$47.05 | \$13.99 | \$19.22 | \$0.00 | \$80.26 |
| | 09/07/2025 | \$48.16 | \$14.98 | \$19.60 | \$0.00 | \$82.74 |
| | 09/06/2026 | \$49.38 | \$15.96 | \$20.00 | \$0.00 | \$85.34 |
| For apprentice rates see "Apprentice- ELECTRICIAN" | | | | | | |
| FIREMAN (ASST. ENGINEER) <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2024 | \$45.96 | \$15.55 | \$16.50 | \$0.00 | \$78.01 |
| | 06/01/2025 | \$47.02 | \$15.55 | \$16.50 | \$0.00 | \$79.07 |
| | 12/01/2025 | \$48.19 | \$15.55 | \$16.50 | \$0.00 | \$80.24 |
| | 06/01/2026 | \$49.25 | \$15.55 | \$16.50 | \$0.00 | \$81.30 |
| | 12/01/2026 | \$50.43 | \$15.55 | \$16.50 | \$0.00 | \$82.48 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| FLAGGER & SIGNALER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i> | 12/01/2024 | \$27.01 | \$9.90 | \$18.46 | \$0.00 | \$55.37 |
| | 06/01/2025 | \$28.09 | \$9.90 | \$18.46 | \$0.00 | \$56.45 |
| | 12/01/2025 | \$28.09 | \$9.90 | \$18.46 | \$0.00 | \$56.45 |
| | 06/01/2026 | \$29.21 | \$9.90 | \$18.46 | \$0.00 | \$57.57 |
| | 12/01/2026 | \$29.21 | \$9.90 | \$18.46 | \$0.00 | \$57.57 |
| For apprentice rates see "Apprentice- LABORER (Heavy and Highway)" | | | | | | |
| FLOORCOVERER <i>FLOORCOVERERS LOCAL 2168 ZONE II</i> | 03/01/2024 | \$49.47 | \$8.83 | \$20.27 | \$0.00 | \$78.57 |

Apprentice - FLOORCOVERER - Local 2168 Zone II

Effective Date - 03/01/2024

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$24.74 | \$8.83 | \$1.76 | \$0.00 | \$35.33 |
| 2 | 55 | \$27.21 | \$8.83 | \$1.76 | \$0.00 | \$37.80 |
| 3 | 60 | \$29.68 | \$8.83 | \$3.52 | \$0.00 | \$42.03 |
| 4 | 65 | \$32.16 | \$8.83 | \$3.52 | \$0.00 | \$44.51 |
| 5 | 70 | \$34.63 | \$8.83 | \$16.75 | \$0.00 | \$60.21 |
| 6 | 75 | \$37.10 | \$8.83 | \$16.75 | \$0.00 | \$62.68 |
| 7 | 80 | \$39.58 | \$8.83 | \$18.51 | \$0.00 | \$66.92 |
| 8 | 85 | \$42.05 | \$8.83 | \$18.51 | \$0.00 | \$69.39 |

Notes: Steps are 750 hrs.
 % After 10/1/17; 45/45/55/55/70/70/80/80 (1500hr Steps)
 Step 1&2 \$32.63/ 3&4 \$39.28/ 5&6 \$59.86/ 7&8 \$66.52

Apprentice to Journeyworker Ratio:1:1

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|--|----------------|-----------|---------|---------|---------------------------|------------|
| FORK LIFT/CHERRY PICKER <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2024 | \$57.03 | \$15.55 | \$16.50 | \$0.00 | \$89.08 |
| | 06/01/2025 | \$58.33 | \$15.55 | \$16.50 | \$0.00 | \$90.38 |
| | 12/01/2025 | \$59.78 | \$15.55 | \$16.50 | \$0.00 | \$91.83 |
| | 06/01/2026 | \$61.08 | \$15.55 | \$16.50 | \$0.00 | \$93.13 |
| | 12/01/2026 | \$62.53 | \$15.55 | \$16.50 | \$0.00 | \$94.58 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| GENERATOR/LIGHTING PLANT/HEATERS <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2024 | \$36.67 | \$15.55 | \$16.50 | \$0.00 | \$68.72 |
| | 06/01/2025 | \$37.52 | \$15.55 | \$16.50 | \$0.00 | \$69.57 |
| | 12/01/2025 | \$38.47 | \$15.55 | \$16.50 | \$0.00 | \$70.52 |
| | 06/01/2026 | \$39.33 | \$15.55 | \$16.50 | \$0.00 | \$71.38 |
| | 12/01/2026 | \$40.28 | \$15.55 | \$16.50 | \$0.00 | \$72.33 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| GLAZIER (GLASS PLANK/AIR BARRIER/INTERIOR SYSTEMS) <i>GLAZIERS LOCAL 35 (ZONE 2)</i> | 01/01/2025 | \$47.96 | \$9.95 | \$23.95 | \$0.00 | \$81.86 |

Apprentice - GLAZIER - Local 35 Zone 2

Effective Date - 01/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$23.98 | \$9.95 | \$0.00 | \$0.00 | \$33.93 |
| 2 | 55 | \$26.38 | \$9.95 | \$6.66 | \$0.00 | \$42.99 |
| 3 | 60 | \$28.78 | \$9.95 | \$7.26 | \$0.00 | \$45.99 |
| 4 | 65 | \$31.17 | \$9.95 | \$7.87 | \$0.00 | \$48.99 |
| 5 | 70 | \$33.57 | \$9.95 | \$20.32 | \$0.00 | \$63.84 |
| 6 | 75 | \$35.97 | \$9.95 | \$20.93 | \$0.00 | \$66.85 |
| 7 | 80 | \$38.37 | \$9.95 | \$21.53 | \$0.00 | \$69.85 |
| 8 | 90 | \$43.16 | \$9.95 | \$22.74 | \$0.00 | \$75.85 |

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| HOISTING ENGINEER/CRANES/GRADALLS <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2024 | \$57.03 | \$15.55 | \$16.50 | \$0.00 | \$89.08 |
| | 06/01/2025 | \$58.33 | \$15.55 | \$16.50 | \$0.00 | \$90.38 |
| | 12/01/2025 | \$59.78 | \$15.55 | \$16.50 | \$0.00 | \$91.83 |
| | 06/01/2026 | \$61.08 | \$15.55 | \$16.50 | \$0.00 | \$93.13 |
| | 12/01/2026 | \$62.53 | \$15.55 | \$16.50 | \$0.00 | \$94.58 |

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - OPERATING ENGINEERS - Local 4

Effective Date - 12/01/2024

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 55 | \$31.37 | \$0.00 | \$0.00 | \$0.00 | \$31.37 |
| 2 | 60 | \$34.22 | \$15.55 | \$16.50 | \$0.00 | \$66.27 |
| 3 | 65 | \$37.07 | \$15.55 | \$16.50 | \$0.00 | \$69.12 |
| 4 | 70 | \$39.92 | \$15.55 | \$16.50 | \$0.00 | \$71.97 |
| 5 | 75 | \$42.77 | \$15.55 | \$16.50 | \$0.00 | \$74.82 |
| 6 | 80 | \$45.62 | \$15.55 | \$16.50 | \$0.00 | \$77.67 |
| 7 | 85 | \$48.48 | \$15.55 | \$16.50 | \$0.00 | \$80.53 |
| 8 | 90 | \$51.33 | \$15.55 | \$16.50 | \$0.00 | \$83.38 |

Effective Date - 06/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 55 | \$32.08 | \$0.00 | \$0.00 | \$0.00 | \$32.08 |
| 2 | 60 | \$35.00 | \$15.55 | \$16.50 | \$0.00 | \$67.05 |
| 3 | 65 | \$37.91 | \$15.55 | \$16.50 | \$0.00 | \$69.96 |
| 4 | 70 | \$40.83 | \$15.55 | \$16.50 | \$0.00 | \$72.88 |
| 5 | 75 | \$43.75 | \$15.55 | \$16.50 | \$0.00 | \$75.80 |
| 6 | 80 | \$46.66 | \$15.55 | \$16.50 | \$0.00 | \$78.71 |
| 7 | 85 | \$49.58 | \$15.55 | \$16.50 | \$0.00 | \$81.63 |
| 8 | 90 | \$52.50 | \$15.55 | \$16.50 | \$0.00 | \$84.55 |

Notes:

Apprentice to Journeyworker Ratio:1:6

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| HVAC (DUCTWORK) SHEETMETAL WORKERS LOCAL 63 | 01/01/2025 | \$42.23 | \$12.20 | \$18.74 | \$2.13 | \$75.30 |
|--|------------|---------|---------|---------|--------|---------|

For apprentice rates see "Apprentice- SHEET METAL WORKER"

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| HVAC (ELECTRICAL CONTROLS) ELECTRICIANS LOCAL 96 | 09/01/2024 | \$47.05 | \$13.99 | \$19.22 | \$0.00 | \$80.26 |
| | 09/07/2025 | \$48.16 | \$14.98 | \$19.60 | \$0.00 | \$82.74 |
| | 09/06/2026 | \$49.38 | \$15.96 | \$20.00 | \$0.00 | \$85.34 |

For apprentice rates see "Apprentice- ELECTRICIAN"

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| HVAC (TESTING AND BALANCING - AIR) SHEETMETAL WORKERS LOCAL 63 | 01/01/2025 | \$42.23 | \$12.20 | \$18.74 | \$2.13 | \$75.30 |
|---|------------|---------|---------|---------|--------|---------|

For apprentice rates see "Apprentice- SHEET METAL WORKER"

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| HVAC (TESTING AND BALANCING -WATER) PLUMBERS LOCAL 4 | 03/01/2025 | \$55.00 | \$11.30 | \$17.77 | \$0.00 | \$84.07 |
| | 09/01/2025 | \$56.40 | \$11.30 | \$17.77 | \$0.00 | \$85.47 |
| | 03/01/2026 | \$57.80 | \$11.30 | \$17.77 | \$0.00 | \$86.87 |

For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"

| | | | | | | |
|-----------------------------------|------------|---------|---------|---------|--------|---------|
| HVAC MECHANIC PLUMBERS LOCAL 4 | 03/01/2025 | \$55.00 | \$11.30 | \$17.77 | \$0.00 | \$84.07 |
| | 09/01/2025 | \$56.40 | \$11.30 | \$17.77 | \$0.00 | \$85.47 |
| | 03/01/2026 | \$57.80 | \$11.30 | \$17.77 | \$0.00 | \$86.87 |

For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|--|----------------|-----------|---------|---------|---------------------------|------------|
| HYDRAULIC DRILLS <i>LABORERS - ZONE 2</i> | 12/01/2024 | \$39.70 | \$9.90 | \$18.36 | \$0.00 | \$67.96 |
| | 06/01/2025 | \$41.09 | \$9.90 | \$18.36 | \$0.00 | \$69.35 |
| | 12/01/2025 | \$42.47 | \$9.90 | \$18.36 | \$0.00 | \$70.73 |
| | 06/01/2026 | \$43.91 | \$9.90 | \$18.36 | \$0.00 | \$72.17 |
| | 12/01/2026 | \$45.35 | \$9.90 | \$18.36 | \$0.00 | \$73.61 |
| | 06/01/2027 | \$46.80 | \$9.90 | \$18.36 | \$0.00 | \$75.06 |
| | 12/01/2027 | \$48.25 | \$9.90 | \$18.36 | \$0.00 | \$76.51 |
| | 06/01/2028 | \$49.75 | \$9.90 | \$18.36 | \$0.00 | \$78.01 |
| | 12/01/2028 | \$51.25 | \$9.90 | \$18.36 | \$0.00 | \$79.51 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| HYDRAULIC DRILLS (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i> | 12/01/2024 | \$39.70 | \$9.90 | \$18.46 | \$0.00 | \$68.06 |
| | 06/01/2025 | \$41.09 | \$9.90 | \$18.46 | \$0.00 | \$69.45 |
| | 12/01/2025 | \$42.47 | \$9.90 | \$18.46 | \$0.00 | \$70.83 |
| | 06/01/2026 | \$43.91 | \$9.90 | \$18.46 | \$0.00 | \$72.27 |
| | 12/01/2026 | \$45.35 | \$9.90 | \$18.46 | \$0.00 | \$73.71 |
| For apprentice rates see "Apprentice- LABORER (Heavy and Highway)" | | | | | | |
| INSULATOR (PIPES & TANKS) <i>HEAT & FROST INSULATORS LOCAL 6 (WORCESTER)</i> | 09/01/2024 | \$51.23 | \$14.75 | \$19.61 | \$0.00 | \$85.59 |
| | 09/01/2025 | \$54.31 | \$14.75 | \$19.61 | \$0.00 | \$88.67 |
| | 09/01/2026 | \$57.38 | \$14.75 | \$19.61 | \$0.00 | \$91.74 |

Apprentice - ASBESTOS INSULATOR (Pipes & Tanks) - Local 6 Worcester

Effective Date - 09/01/2024

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$25.62 | \$14.75 | \$14.32 | \$0.00 | \$54.69 |
| 2 | 60 | \$30.74 | \$14.75 | \$15.37 | \$0.00 | \$60.86 |
| 3 | 70 | \$35.86 | \$14.75 | \$16.43 | \$0.00 | \$67.04 |
| 4 | 80 | \$40.98 | \$14.75 | \$17.49 | \$0.00 | \$73.22 |

Effective Date - 09/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$27.16 | \$14.75 | \$14.32 | \$0.00 | \$56.23 |
| 2 | 60 | \$32.59 | \$14.75 | \$15.37 | \$0.00 | \$62.71 |
| 3 | 70 | \$38.02 | \$14.75 | \$16.43 | \$0.00 | \$69.20 |
| 4 | 80 | \$43.45 | \$14.75 | \$17.49 | \$0.00 | \$75.69 |

Notes:

Steps are 1 year

Apprentice to Journeyworker Ratio:1:4

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| IRONWORKER/WELDER <i>IRONWORKERS LOCAL 7 (WORCESTER AREA)</i> | 03/16/2024 | \$53.67 | \$8.35 | \$26.70 | \$0.00 | \$88.72 |
|--|------------|---------|--------|---------|--------|---------|

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - IRONWORKER - Local 7 Worcester

Effective Date - 03/16/2024

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 60 | \$32.20 | \$8.35 | \$26.70 | \$0.00 | \$67.25 |
| 2 | 70 | \$37.57 | \$8.35 | \$26.70 | \$0.00 | \$72.62 |
| 3 | 75 | \$40.25 | \$8.35 | \$26.70 | \$0.00 | \$75.30 |
| 4 | 80 | \$42.94 | \$8.35 | \$26.70 | \$0.00 | \$77.99 |
| 5 | 85 | \$45.62 | \$8.35 | \$26.70 | \$0.00 | \$80.67 |
| 6 | 90 | \$48.30 | \$8.35 | \$26.70 | \$0.00 | \$83.35 |

Notes:

Apprentice to Journeyworker Ratio:1:4

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| JACKHAMMER & PAVING BREAKER OPERATOR LABORERS - ZONE 2 | 12/01/2024 | \$39.20 | \$9.90 | \$18.36 | \$0.00 | \$67.46 |
| | 06/01/2025 | \$40.59 | \$9.90 | \$18.36 | \$0.00 | \$68.85 |
| | 12/01/2025 | \$41.97 | \$9.90 | \$18.36 | \$0.00 | \$70.23 |
| | 06/01/2026 | \$43.41 | \$9.90 | \$18.36 | \$0.00 | \$71.67 |
| | 12/01/2026 | \$44.85 | \$9.90 | \$18.36 | \$0.00 | \$73.11 |
| | 06/01/2027 | \$46.30 | \$9.90 | \$18.36 | \$0.00 | \$74.56 |
| | 12/01/2027 | \$47.75 | \$9.90 | \$18.36 | \$0.00 | \$76.01 |
| | 06/01/2028 | \$49.25 | \$9.90 | \$18.36 | \$0.00 | \$77.51 |
| | 12/01/2028 | \$50.75 | \$9.90 | \$18.36 | \$0.00 | \$79.01 |

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|------------------------------|------------|---------|--------|---------|--------|---------|
| LABORER LABORERS - ZONE 2 | 12/01/2024 | \$38.95 | \$9.90 | \$18.36 | \$0.00 | \$67.21 |
| | 06/01/2025 | \$40.34 | \$9.90 | \$18.36 | \$0.00 | \$68.60 |
| | 12/01/2025 | \$41.72 | \$9.90 | \$18.36 | \$0.00 | \$69.98 |
| | 06/01/2026 | \$43.16 | \$9.90 | \$18.36 | \$0.00 | \$71.42 |
| | 12/01/2026 | \$44.60 | \$9.90 | \$18.36 | \$0.00 | \$72.86 |
| | 06/01/2027 | \$46.05 | \$9.90 | \$18.36 | \$0.00 | \$74.31 |
| | 12/01/2027 | \$47.50 | \$9.90 | \$18.36 | \$0.00 | \$75.76 |
| | 06/01/2028 | \$49.00 | \$9.90 | \$18.36 | \$0.00 | \$77.26 |
| | 12/01/2028 | \$50.50 | \$9.90 | \$18.36 | \$0.00 | \$78.76 |

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - LABORER - Zone 2

Effective Date - 12/01/2024

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 60 | \$23.37 | \$9.90 | \$18.36 | \$0.00 | \$51.63 |
| 2 | 70 | \$27.27 | \$9.90 | \$18.36 | \$0.00 | \$55.53 |
| 3 | 80 | \$31.16 | \$9.90 | \$18.36 | \$0.00 | \$59.42 |
| 4 | 90 | \$35.06 | \$9.90 | \$18.36 | \$0.00 | \$63.32 |

Effective Date - 06/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 60 | \$24.20 | \$9.90 | \$18.36 | \$0.00 | \$52.46 |
| 2 | 70 | \$28.24 | \$9.90 | \$18.36 | \$0.00 | \$56.50 |
| 3 | 80 | \$32.27 | \$9.90 | \$18.36 | \$0.00 | \$60.53 |
| 4 | 90 | \$36.31 | \$9.90 | \$18.36 | \$0.00 | \$64.57 |

Notes:

Apprentice to Journeyworker Ratio:1:5

| | | | | | | |
|-------------------------------------|------------|---------|--------|---------|--------|---------|
| LABORER (HEAVY & HIGHWAY) | 12/01/2024 | \$38.95 | \$9.90 | \$18.46 | \$0.00 | \$67.31 |
| LABORERS - ZONE 2 (HEAVY & HIGHWAY) | 06/01/2025 | \$40.34 | \$9.90 | \$18.46 | \$0.00 | \$68.70 |
| | 12/01/2025 | \$41.72 | \$9.90 | \$18.46 | \$0.00 | \$70.08 |
| | 06/01/2026 | \$43.16 | \$9.90 | \$18.46 | \$0.00 | \$71.52 |
| | 12/01/2026 | \$44.60 | \$9.90 | \$18.46 | \$0.00 | \$72.96 |

Apprentice - LABORER (Heavy & Highway) - Zone 2

Effective Date - 12/01/2024

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 60 | \$23.37 | \$9.90 | \$18.46 | \$0.00 | \$51.73 |
| 2 | 70 | \$27.27 | \$9.90 | \$18.46 | \$0.00 | \$55.63 |
| 3 | 80 | \$31.16 | \$9.90 | \$18.46 | \$0.00 | \$59.52 |
| 4 | 90 | \$35.06 | \$9.90 | \$18.46 | \$0.00 | \$63.42 |

Effective Date - 06/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 60 | \$24.20 | \$9.90 | \$18.46 | \$0.00 | \$52.56 |
| 2 | 70 | \$28.24 | \$9.90 | \$18.46 | \$0.00 | \$56.60 |
| 3 | 80 | \$32.27 | \$9.90 | \$18.46 | \$0.00 | \$60.63 |
| 4 | 90 | \$36.31 | \$9.90 | \$18.46 | \$0.00 | \$64.67 |

Notes:

Apprentice to Journeyworker Ratio:1:5

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|-----------|--------|---------|---------------------------|------------|
| LABORER: CARPENTER TENDER <i>LABORERS - ZONE 2</i> | 12/01/2024 | \$38.95 | \$9.90 | \$18.36 | \$0.00 | \$67.21 |
| | 06/01/2025 | \$40.34 | \$9.90 | \$18.36 | \$0.00 | \$68.60 |
| | 12/01/2025 | \$41.72 | \$9.90 | \$18.36 | \$0.00 | \$69.98 |
| | 06/01/2026 | \$43.16 | \$9.90 | \$18.36 | \$0.00 | \$71.42 |
| | 12/01/2026 | \$44.60 | \$9.90 | \$18.36 | \$0.00 | \$72.86 |
| | 06/01/2027 | \$46.05 | \$9.90 | \$18.36 | \$0.00 | \$74.31 |
| | 12/01/2027 | \$47.50 | \$9.90 | \$18.36 | \$0.00 | \$75.76 |
| | 06/01/2028 | \$49.00 | \$9.90 | \$18.36 | \$0.00 | \$77.26 |
| | 12/01/2028 | \$50.50 | \$9.90 | \$18.36 | \$0.00 | \$78.76 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| LABORER: CEMENT FINISHER TENDER <i>LABORERS - ZONE 2</i> | 12/01/2024 | \$38.95 | \$9.90 | \$18.36 | \$0.00 | \$67.21 |
| | 06/01/2025 | \$40.34 | \$9.90 | \$18.36 | \$0.00 | \$68.60 |
| | 12/01/2025 | \$41.72 | \$9.90 | \$18.36 | \$0.00 | \$69.98 |
| | 06/01/2026 | \$43.16 | \$9.90 | \$18.36 | \$0.00 | \$71.42 |
| | 12/01/2026 | \$44.60 | \$9.90 | \$18.36 | \$0.00 | \$72.86 |
| | 06/01/2027 | \$46.05 | \$9.90 | \$18.36 | \$0.00 | \$74.31 |
| | 12/01/2027 | \$47.50 | \$9.90 | \$18.36 | \$0.00 | \$75.76 |
| | 06/01/2028 | \$49.00 | \$9.90 | \$18.36 | \$0.00 | \$77.26 |
| | 12/01/2028 | \$50.50 | \$9.90 | \$18.36 | \$0.00 | \$78.76 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| LABORER: HAZARDOUS WASTE/ASBESTOS REMOVER <i>LABORERS - ZONE 2</i> | 12/02/2024 | \$39.04 | \$9.90 | \$18.42 | \$0.00 | \$67.36 |
| | 06/02/2025 | \$40.43 | \$9.90 | \$18.42 | \$0.00 | \$68.75 |
| | 12/01/2025 | \$41.81 | \$9.90 | \$18.42 | \$0.00 | \$70.13 |
| | 06/01/2026 | \$43.25 | \$9.90 | \$18.42 | \$0.00 | \$71.57 |
| | 12/07/2026 | \$44.69 | \$9.90 | \$18.42 | \$0.00 | \$73.01 |
| | 06/07/2027 | \$46.14 | \$9.90 | \$18.42 | \$0.00 | \$74.46 |
| | 12/06/2027 | \$47.59 | \$9.90 | \$18.42 | \$0.00 | \$75.91 |
| | 06/05/2028 | \$49.09 | \$9.90 | \$18.42 | \$0.00 | \$77.41 |
| | 12/04/2028 | \$50.59 | \$9.90 | \$18.42 | \$0.00 | \$78.91 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| LABORER: MASON TENDER <i>LABORERS - ZONE 2</i> | 12/01/2024 | \$39.20 | \$9.90 | \$18.36 | \$0.00 | \$67.46 |
| | 06/01/2025 | \$40.59 | \$9.90 | \$18.36 | \$0.00 | \$68.85 |
| | 12/01/2025 | \$41.97 | \$9.90 | \$18.36 | \$0.00 | \$70.23 |
| | 06/01/2026 | \$43.41 | \$9.90 | \$18.36 | \$0.00 | \$71.67 |
| | 12/01/2026 | \$44.85 | \$9.90 | \$18.36 | \$0.00 | \$73.11 |
| | 06/01/2027 | \$46.30 | \$9.90 | \$18.36 | \$0.00 | \$74.56 |
| | 12/01/2027 | \$47.75 | \$9.90 | \$18.36 | \$0.00 | \$76.01 |
| | 06/01/2028 | \$49.25 | \$9.90 | \$18.36 | \$0.00 | \$77.51 |
| | 12/01/2028 | \$50.75 | \$9.90 | \$18.36 | \$0.00 | \$79.01 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| LABORER: MASON TENDER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i> | 12/01/2024 | \$39.20 | \$9.90 | \$18.46 | \$0.00 | \$67.56 |
| | 06/01/2025 | \$40.59 | \$9.90 | \$18.46 | \$0.00 | \$68.95 |
| | 12/01/2025 | \$41.97 | \$9.90 | \$18.46 | \$0.00 | \$70.33 |
| | 06/01/2026 | \$43.41 | \$9.90 | \$18.46 | \$0.00 | \$71.77 |
| | 12/01/2026 | \$44.85 | \$9.90 | \$18.46 | \$0.00 | \$73.21 |
| For apprentice rates see "Apprentice- LABORER (Heavy and Highway)" | | | | | | |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|--|----------------|-----------|---------|---------|---------------------------|------------|
| LABORER: MULTI-TRADE TENDER <i>LABORERS - ZONE 2</i> | 12/01/2024 | \$38.95 | \$9.90 | \$18.36 | \$0.00 | \$67.21 |
| | 06/01/2025 | \$40.34 | \$9.90 | \$18.36 | \$0.00 | \$68.60 |
| | 12/01/2025 | \$41.72 | \$9.90 | \$18.36 | \$0.00 | \$69.98 |
| | 06/01/2026 | \$43.16 | \$9.90 | \$18.36 | \$0.00 | \$71.42 |
| | 12/01/2026 | \$44.60 | \$9.90 | \$18.36 | \$0.00 | \$72.86 |
| | 06/01/2027 | \$46.05 | \$9.90 | \$18.36 | \$0.00 | \$74.31 |
| | 12/01/2027 | \$47.50 | \$9.90 | \$18.36 | \$0.00 | \$75.76 |
| | 06/01/2028 | \$49.00 | \$9.90 | \$18.36 | \$0.00 | \$77.26 |
| | 12/01/2028 | \$50.50 | \$9.90 | \$18.36 | \$0.00 | \$78.76 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| LABORER: TREE REMOVER <i>LABORERS - ZONE 2</i> | 12/01/2024 | \$38.95 | \$9.90 | \$18.36 | \$0.00 | \$67.21 |
| | 06/01/2025 | \$40.34 | \$9.90 | \$18.36 | \$0.00 | \$68.60 |
| | 12/01/2025 | \$41.72 | \$9.90 | \$18.36 | \$0.00 | \$69.98 |
| | 06/01/2026 | \$43.16 | \$9.90 | \$18.36 | \$0.00 | \$71.42 |
| | 12/01/2026 | \$44.60 | \$9.90 | \$18.36 | \$0.00 | \$72.86 |
| | 06/01/2027 | \$46.05 | \$9.90 | \$18.36 | \$0.00 | \$74.31 |
| | 12/01/2027 | \$47.50 | \$9.90 | \$18.36 | \$0.00 | \$75.76 |
| | 06/01/2028 | \$49.00 | \$9.90 | \$18.36 | \$0.00 | \$77.26 |
| | 12/01/2028 | \$50.50 | \$9.90 | \$18.36 | \$0.00 | \$78.76 |
| This classification applies to the removal of standing trees, and the trimming and removal of branches and limbs when related to public works construction or site clearance incidental to construction . For apprentice rates see "Apprentice- LABORER" | | | | | | |
| LASER BEAM OPERATOR <i>LABORERS - ZONE 2</i> | 12/01/2024 | \$39.20 | \$9.90 | \$18.36 | \$0.00 | \$67.46 |
| | 06/01/2025 | \$40.59 | \$9.90 | \$18.36 | \$0.00 | \$68.85 |
| | 12/01/2025 | \$41.97 | \$9.90 | \$18.36 | \$0.00 | \$70.23 |
| | 06/01/2026 | \$43.41 | \$9.90 | \$18.36 | \$0.00 | \$71.67 |
| | 12/01/2026 | \$44.85 | \$9.90 | \$18.36 | \$0.00 | \$73.11 |
| | 06/01/2027 | \$46.30 | \$9.90 | \$18.36 | \$0.00 | \$74.56 |
| | 12/01/2027 | \$47.75 | \$9.90 | \$18.36 | \$0.00 | \$76.01 |
| | 06/01/2028 | \$49.25 | \$9.90 | \$18.36 | \$0.00 | \$77.51 |
| | 12/01/2028 | \$50.75 | \$9.90 | \$18.36 | \$0.00 | \$79.01 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| LASER BEAM OPERATOR (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i> | 12/01/2024 | \$39.20 | \$9.90 | \$18.46 | \$0.00 | \$67.56 |
| | 06/01/2025 | \$40.59 | \$9.90 | \$18.46 | \$0.00 | \$68.95 |
| | 12/01/2025 | \$41.97 | \$9.90 | \$18.46 | \$0.00 | \$70.33 |
| | 06/01/2026 | \$43.41 | \$9.90 | \$18.46 | \$0.00 | \$71.77 |
| | 12/01/2026 | \$44.85 | \$9.90 | \$18.46 | \$0.00 | \$73.21 |
| For apprentice rates see "Apprentice- LABORER (Heavy and Highway)" | | | | | | |
| MARBLE & TILE FINISHERS <i>BRICKLAYERS LOCAL 3 - MARBLE & TILE</i> | 02/01/2025 | \$50.36 | \$11.49 | \$21.62 | \$0.00 | \$83.47 |
| | 08/01/2025 | \$52.08 | \$11.49 | \$21.62 | \$0.00 | \$85.19 |
| | 02/01/2026 | \$53.16 | \$11.49 | \$21.62 | \$0.00 | \$86.27 |
| | 08/01/2026 | \$54.92 | \$11.49 | \$21.62 | \$0.00 | \$88.03 |
| | 02/01/2027 | \$56.04 | \$11.49 | \$21.62 | \$0.00 | \$89.15 |

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - MARBLE & TILE FINISHER - Local 3 Marble & Tile

Effective Date - 02/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$25.18 | \$11.49 | \$21.62 | \$0.00 | \$58.29 |
| 2 | 60 | \$30.22 | \$11.49 | \$21.62 | \$0.00 | \$63.33 |
| 3 | 70 | \$35.25 | \$11.49 | \$21.62 | \$0.00 | \$68.36 |
| 4 | 80 | \$40.29 | \$11.49 | \$21.62 | \$0.00 | \$73.40 |
| 5 | 90 | \$45.32 | \$11.49 | \$21.62 | \$0.00 | \$78.43 |

Effective Date - 08/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$26.04 | \$11.49 | \$21.62 | \$0.00 | \$59.15 |
| 2 | 60 | \$31.25 | \$11.49 | \$21.62 | \$0.00 | \$64.36 |
| 3 | 70 | \$36.46 | \$11.49 | \$21.62 | \$0.00 | \$69.57 |
| 4 | 80 | \$41.66 | \$11.49 | \$21.62 | \$0.00 | \$74.77 |
| 5 | 90 | \$46.87 | \$11.49 | \$21.62 | \$0.00 | \$79.98 |

Notes:

Apprentice to Journeyworker Ratio:1:3

| | | | | | | |
|---|------------|---------|---------|---------|--------|----------|
| MARBLE MASONS, TILELAYERS & TERRAZZO MECH | 02/01/2025 | \$65.82 | \$11.49 | \$23.56 | \$0.00 | \$100.87 |
| BRICKLAYERS LOCAL 3 - MARBLE & TILE | 08/01/2025 | \$67.97 | \$11.49 | \$23.56 | \$0.00 | \$103.02 |
| | 02/01/2026 | \$69.32 | \$11.49 | \$23.56 | \$0.00 | \$104.37 |
| | 08/01/2026 | \$71.52 | \$11.49 | \$23.56 | \$0.00 | \$106.57 |
| | 02/01/2027 | \$72.92 | \$11.49 | \$23.56 | \$0.00 | \$107.97 |

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - MARBLE-TILE-TERRAZZO MECHANIC - Local 3 Marble & Tile

Effective Date - 02/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$32.91 | \$11.49 | \$23.56 | \$0.00 | \$67.96 |
| 2 | 60 | \$39.49 | \$11.49 | \$23.56 | \$0.00 | \$74.54 |
| 3 | 70 | \$46.07 | \$11.49 | \$23.56 | \$0.00 | \$81.12 |
| 4 | 80 | \$52.66 | \$11.49 | \$23.56 | \$0.00 | \$87.71 |
| 5 | 90 | \$59.24 | \$11.49 | \$23.56 | \$0.00 | \$94.29 |

Effective Date - 08/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$33.99 | \$11.49 | \$23.56 | \$0.00 | \$69.04 |
| 2 | 60 | \$40.78 | \$11.49 | \$23.56 | \$0.00 | \$75.83 |
| 3 | 70 | \$47.58 | \$11.49 | \$23.56 | \$0.00 | \$82.63 |
| 4 | 80 | \$54.38 | \$11.49 | \$23.56 | \$0.00 | \$89.43 |
| 5 | 90 | \$61.17 | \$11.49 | \$23.56 | \$0.00 | \$96.22 |

Notes:

Apprentice to Journeyworker Ratio:1:5

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| MECH. SWEEPER OPERATOR (ON CONST. SITES) <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2024 | \$56.40 | \$15.55 | \$16.50 | \$0.00 | \$88.45 |
| | 06/01/2025 | \$57.68 | \$15.55 | \$16.50 | \$0.00 | \$89.73 |
| | 12/01/2025 | \$59.12 | \$15.55 | \$16.50 | \$0.00 | \$91.17 |
| | 06/01/2026 | \$60.40 | \$15.55 | \$16.50 | \$0.00 | \$92.45 |
| | 12/01/2026 | \$61.84 | \$15.55 | \$16.50 | \$0.00 | \$93.89 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| MECHANICS MAINTENANCE <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2024 | \$56.40 | \$15.55 | \$16.50 | \$0.00 | \$88.45 |
| | 06/01/2025 | \$57.68 | \$15.55 | \$16.50 | \$0.00 | \$89.73 |
| | 12/01/2025 | \$59.12 | \$15.55 | \$16.50 | \$0.00 | \$91.17 |
| | 06/01/2026 | \$60.40 | \$15.55 | \$16.50 | \$0.00 | \$92.45 |
| | 12/01/2026 | \$61.84 | \$15.55 | \$16.50 | \$0.00 | \$93.89 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| MILLWRIGHT (Zone 2) <i>MILLWRIGHTS LOCAL 1121 - Zone 2</i> | 01/06/2025 | \$45.09 | \$10.08 | \$21.47 | \$0.00 | \$76.64 |
| | 01/05/2026 | \$47.42 | \$10.08 | \$21.47 | \$0.00 | \$78.97 |

Apprentice - MILLWRIGHT - Local 1121 Zone 2

Effective Date - 01/06/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 55 | \$24.80 | \$10.08 | \$5.50 | \$0.00 | \$40.38 |
| 2 | 65 | \$29.31 | \$10.08 | \$6.50 | \$0.00 | \$45.89 |
| 3 | 75 | \$33.82 | \$10.08 | \$18.97 | \$0.00 | \$62.87 |
| 4 | 85 | \$38.33 | \$10.08 | \$19.97 | \$0.00 | \$68.38 |

Effective Date - 01/05/2026

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 55 | \$26.08 | \$10.08 | \$5.50 | \$0.00 | \$41.66 |
| 2 | 65 | \$30.82 | \$10.08 | \$6.50 | \$0.00 | \$47.40 |
| 3 | 75 | \$35.57 | \$10.08 | \$18.97 | \$0.00 | \$64.62 |
| 4 | 85 | \$40.31 | \$10.08 | \$19.97 | \$0.00 | \$70.36 |

Notes: Step 1&2 Appr. indentured after 1/6/2020 receive no pension, but do receive annuity. (Step 1 \$5.72, Step 2 \$6.66)
Steps are 2,000 hours

Apprentice to Journeyworker Ratio:1:4

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| MORTAR MIXER <i>LABORERS - ZONE 2</i> | 12/01/2024 | \$39.20 | \$9.90 | \$18.36 | \$0.00 | \$67.46 |
| | 06/01/2025 | \$40.59 | \$9.90 | \$18.36 | \$0.00 | \$68.85 |
| | 12/01/2025 | \$41.97 | \$9.90 | \$18.36 | \$0.00 | \$70.23 |
| | 06/01/2026 | \$43.41 | \$9.90 | \$18.36 | \$0.00 | \$71.67 |
| | 12/01/2026 | \$44.85 | \$9.90 | \$18.36 | \$0.00 | \$73.11 |
| | 06/01/2027 | \$46.30 | \$9.90 | \$18.36 | \$0.00 | \$74.56 |
| | 12/01/2027 | \$47.75 | \$9.90 | \$18.36 | \$0.00 | \$76.01 |
| | 06/01/2028 | \$49.25 | \$9.90 | \$18.36 | \$0.00 | \$77.51 |
| | 12/01/2028 | \$50.75 | \$9.90 | \$18.36 | \$0.00 | \$79.01 |

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| OILER (OTHER THAN TRUCK CRANES,GRADALLS) <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2024 | \$25.37 | \$15.30 | \$16.40 | \$0.00 | \$57.07 |
| | 06/01/2025 | \$25.97 | \$15.30 | \$16.40 | \$0.00 | \$57.67 |
| | 12/01/2025 | \$26.63 | \$15.30 | \$16.40 | \$0.00 | \$58.33 |
| | 06/01/2026 | \$27.22 | \$15.30 | \$16.40 | \$0.00 | \$58.92 |
| | 12/01/2026 | \$27.89 | \$15.30 | \$16.40 | \$0.00 | \$59.59 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| OILER (TRUCK CRANES, GRADALLS) <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2024 | \$31.08 | \$15.30 | \$16.40 | \$0.00 | \$62.78 |
| | 06/01/2025 | \$31.80 | \$15.30 | \$16.40 | \$0.00 | \$63.50 |
| | 12/01/2025 | \$32.60 | \$15.30 | \$16.40 | \$0.00 | \$64.30 |
| | 06/01/2026 | \$33.32 | \$15.30 | \$16.40 | \$0.00 | \$65.02 |
| | 12/01/2026 | \$34.12 | \$15.30 | \$16.40 | \$0.00 | \$65.82 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|-----------|---------|---------|---------------------------|------------|
| OTHER POWER DRIVEN EQUIPMENT - CLASS II <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2024 | \$56.40 | \$15.55 | \$16.50 | \$0.00 | \$88.45 |
| | 06/01/2025 | \$57.68 | \$15.55 | \$16.50 | \$0.00 | \$89.73 |
| | 12/01/2025 | \$59.12 | \$15.55 | \$16.50 | \$0.00 | \$91.17 |
| | 06/01/2026 | \$60.40 | \$15.55 | \$16.50 | \$0.00 | \$92.45 |
| | 12/01/2026 | \$61.84 | \$15.55 | \$16.50 | \$0.00 | \$93.89 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| PAINTER (BRIDGES/TANKS) <i>PAINTERS LOCAL 35 - ZONE 2</i> | 01/01/2025 | \$58.46 | \$9.95 | \$23.95 | \$0.00 | \$92.36 |
|--|------------|---------|--------|---------|--------|---------|

Apprentice - PAINTER Local 35 - BRIDGES/TANKS

Effective Date - 01/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$29.23 | \$9.95 | \$0.00 | \$0.00 | \$39.18 |
| 2 | 55 | \$32.15 | \$9.95 | \$6.66 | \$0.00 | \$48.76 |
| 3 | 60 | \$35.08 | \$9.95 | \$7.26 | \$0.00 | \$52.29 |
| 4 | 65 | \$38.00 | \$9.95 | \$7.87 | \$0.00 | \$55.82 |
| 5 | 70 | \$40.92 | \$9.95 | \$20.32 | \$0.00 | \$71.19 |
| 6 | 75 | \$43.85 | \$9.95 | \$20.93 | \$0.00 | \$74.73 |
| 7 | 80 | \$46.77 | \$9.95 | \$21.53 | \$0.00 | \$78.25 |
| 8 | 90 | \$52.61 | \$9.95 | \$22.74 | \$0.00 | \$85.30 |

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

| | | | | | | |
|-------------------------------------|------------|---------|--------|---------|--------|---------|
| PAINTER (SPRAY OR SANDBLAST, NEW) * | 01/01/2025 | \$49.36 | \$9.95 | \$23.95 | \$0.00 | \$83.26 |
|-------------------------------------|------------|---------|--------|---------|--------|---------|

* If 30% or more of surfaces to be painted are new construction,
NEW paint rate shall be used.*PAINTERS LOCAL 35 - ZONE 2*

Apprentice - PAINTER Local 35 Zone 2 - Spray/Sandblast - New

Effective Date - 01/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$24.68 | \$9.95 | \$0.00 | \$0.00 | \$34.63 |
| 2 | 55 | \$27.15 | \$9.95 | \$6.66 | \$0.00 | \$43.76 |
| 3 | 60 | \$29.62 | \$9.95 | \$7.26 | \$0.00 | \$46.83 |
| 4 | 65 | \$32.08 | \$9.95 | \$7.87 | \$0.00 | \$49.90 |
| 5 | 70 | \$34.55 | \$9.95 | \$20.32 | \$0.00 | \$64.82 |
| 6 | 75 | \$37.02 | \$9.95 | \$20.93 | \$0.00 | \$67.90 |
| 7 | 80 | \$39.49 | \$9.95 | \$21.53 | \$0.00 | \$70.97 |
| 8 | 90 | \$44.42 | \$9.95 | \$22.74 | \$0.00 | \$77.11 |

Notes:

Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|--|----------------|-----------|--------|---------|---------------------------|------------|
| Painter (Spray or Sandblast, Repaint) <i>Painters Local 35 - Zone 2</i> | 01/01/2025 | \$47.42 | \$9.95 | \$23.95 | \$0.00 | \$81.32 |

Apprentice - PAINTER Local 35 Zone 2 - Spray/Sandblast - Repaint

Effective Date - 01/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$23.71 | \$9.95 | \$0.00 | \$0.00 | \$33.66 |
| 2 | 55 | \$26.08 | \$9.95 | \$6.66 | \$0.00 | \$42.69 |
| 3 | 60 | \$28.45 | \$9.95 | \$7.26 | \$0.00 | \$45.66 |
| 4 | 65 | \$30.82 | \$9.95 | \$7.87 | \$0.00 | \$48.64 |
| 5 | 70 | \$33.19 | \$9.95 | \$20.32 | \$0.00 | \$63.46 |
| 6 | 75 | \$35.57 | \$9.95 | \$20.93 | \$0.00 | \$66.45 |
| 7 | 80 | \$37.94 | \$9.95 | \$21.53 | \$0.00 | \$69.42 |
| 8 | 90 | \$42.68 | \$9.95 | \$22.74 | \$0.00 | \$75.37 |

Notes:
Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| Painter / Taper (Brush, New) * <i>Painters Local 35 - Zone 2</i> | 01/01/2025 | \$47.96 | \$9.95 | \$23.95 | \$0.00 | \$81.86 |
|---|------------|---------|--------|---------|--------|---------|

* If 30% or more of surfaces to be painted are new construction, NEW paint rate shall be used.

Apprentice - PAINTER - Local 35 Zone 2 - BRUSH NEW

Effective Date - 01/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$23.98 | \$9.95 | \$0.00 | \$0.00 | \$33.93 |
| 2 | 55 | \$26.38 | \$9.95 | \$6.66 | \$0.00 | \$42.99 |
| 3 | 60 | \$28.78 | \$9.95 | \$7.26 | \$0.00 | \$45.99 |
| 4 | 65 | \$31.17 | \$9.95 | \$7.87 | \$0.00 | \$48.99 |
| 5 | 70 | \$33.57 | \$9.95 | \$20.32 | \$0.00 | \$63.84 |
| 6 | 75 | \$35.97 | \$9.95 | \$20.93 | \$0.00 | \$66.85 |
| 7 | 80 | \$38.37 | \$9.95 | \$21.53 | \$0.00 | \$69.85 |
| 8 | 90 | \$43.16 | \$9.95 | \$22.74 | \$0.00 | \$75.85 |

Notes:
Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| Painter / Taper (Brush, Repaint) <i>Painters Local 35 - Zone 2</i> | 01/01/2025 | \$46.02 | \$9.95 | \$23.95 | \$0.00 | \$79.92 |
|---|------------|---------|--------|---------|--------|---------|

Apprentice - PAINTER Local 35 Zone 2 - BRUSH REPAINT

Effective Date - 01/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|--------|---------|---------------------------|------------|
| 1 | 50 | \$23.01 | \$9.95 | \$0.00 | \$0.00 | \$32.96 |
| 2 | 55 | \$25.31 | \$9.95 | \$6.66 | \$0.00 | \$41.92 |
| 3 | 60 | \$27.61 | \$9.95 | \$7.26 | \$0.00 | \$44.82 |
| 4 | 65 | \$29.91 | \$9.95 | \$7.87 | \$0.00 | \$47.73 |
| 5 | 70 | \$32.21 | \$9.95 | \$20.32 | \$0.00 | \$62.48 |
| 6 | 75 | \$34.52 | \$9.95 | \$20.93 | \$0.00 | \$65.40 |
| 7 | 80 | \$36.82 | \$9.95 | \$21.53 | \$0.00 | \$68.30 |
| 8 | 90 | \$41.42 | \$9.95 | \$22.74 | \$0.00 | \$74.11 |

Notes:
Steps are 750 hrs.

Apprentice to Journeyworker Ratio:1:1

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| PAINTER TRAFFIC MARKINGS (HEAVY/HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i> | 12/01/2024 | \$38.95 | \$9.90 | \$18.46 | \$0.00 | \$67.31 |
| | 06/01/2025 | \$40.34 | \$9.90 | \$18.46 | \$0.00 | \$68.70 |
| | 12/01/2025 | \$41.72 | \$9.90 | \$18.46 | \$0.00 | \$70.08 |
| | 06/01/2026 | \$43.16 | \$9.90 | \$18.46 | \$0.00 | \$71.52 |
| | 12/01/2026 | \$44.60 | \$9.90 | \$18.46 | \$0.00 | \$72.96 |

For apprentice rates see "Apprentice- LABORER (Heavy and Highway)

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| PANEL & PICKUP TRUCKS DRIVER <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i> | 01/01/2025 | \$39.78 | \$15.57 | \$20.17 | \$0.00 | \$75.52 |
| | 06/01/2025 | \$40.78 | \$15.57 | \$20.17 | \$0.00 | \$76.52 |
| | 12/01/2025 | \$40.78 | \$15.57 | \$21.78 | \$0.00 | \$78.13 |
| | 01/01/2026 | \$40.78 | \$16.17 | \$21.78 | \$0.00 | \$78.73 |
| | 06/01/2026 | \$41.78 | \$16.17 | \$21.78 | \$0.00 | \$79.73 |
| | 12/01/2026 | \$41.78 | \$16.17 | \$23.52 | \$0.00 | \$81.47 |
| | 01/01/2027 | \$41.78 | \$16.77 | \$23.52 | \$0.00 | \$82.07 |

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| PIER AND DOCK CONSTRUCTOR (UNDERPINNING AND DECK) <i>PILE DRIVER LOCAL 56 (ZONE 2)</i> | 08/01/2024 | \$51.97 | \$10.08 | \$24.29 | \$0.00 | \$86.34 |
|---|------------|---------|---------|---------|--------|---------|

For apprentice rates see "Apprentice- PILE DRIVER"

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| PILE DRIVER <i>PILE DRIVER LOCAL 56 (ZONE 2)</i> | 08/01/2024 | \$51.97 | \$10.08 | \$24.29 | \$0.00 | \$86.34 |
|---|------------|---------|---------|---------|--------|---------|

Apprentice - PILE DRIVER - Local 56 Zone 2

Effective Date - 08/01/2024

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 45 | \$23.39 | \$10.08 | \$2.53 | \$0.00 | \$36.00 |
| 2 | 55 | \$28.58 | \$10.08 | \$5.07 | \$0.00 | \$43.73 |
| 3 | 70 | \$36.38 | \$10.08 | \$19.22 | \$0.00 | \$65.68 |
| 4 | 80 | \$41.58 | \$10.08 | \$21.76 | \$0.00 | \$73.42 |

Notes:
 % Indentured BEFORE 8/1/2020, 50/60/70/75/80/80/90/90
 Step 1 \$60.36/2 \$65.75/3 \$70.75/4 \$73.35/5&6 \$75.95/7&8 81.14

Apprentice to Journeyworker Ratio:1:5

| | | | | | | |
|--------------------------------|------------|---------|--------|---------|--------|---------|
| PIPELAYER LABORERS - ZONE 2 | 12/01/2024 | \$39.20 | \$9.90 | \$18.36 | \$0.00 | \$67.46 |
| | 06/01/2025 | \$40.59 | \$9.90 | \$18.36 | \$0.00 | \$68.85 |
| | 12/01/2025 | \$41.97 | \$9.90 | \$18.36 | \$0.00 | \$70.23 |
| | 06/01/2026 | \$43.41 | \$9.90 | \$18.36 | \$0.00 | \$71.67 |
| | 12/01/2026 | \$44.85 | \$9.90 | \$18.36 | \$0.00 | \$73.11 |
| | 06/01/2027 | \$46.30 | \$9.90 | \$18.36 | \$0.00 | \$74.56 |
| | 12/01/2027 | \$47.75 | \$9.90 | \$18.36 | \$0.00 | \$76.01 |
| | 06/01/2028 | \$49.25 | \$9.90 | \$18.36 | \$0.00 | \$77.51 |
| | 12/01/2028 | \$50.75 | \$9.90 | \$18.36 | \$0.00 | \$79.01 |

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| PIPELAYER (HEAVY & HIGHWAY) LABORERS - ZONE 2 (HEAVY & HIGHWAY) | 12/01/2024 | \$39.20 | \$9.90 | \$18.46 | \$0.00 | \$67.56 |
| | 06/01/2025 | \$40.59 | \$9.90 | \$18.46 | \$0.00 | \$68.95 |
| | 12/01/2025 | \$41.97 | \$9.90 | \$18.46 | \$0.00 | \$70.33 |
| | 06/01/2026 | \$43.41 | \$9.90 | \$18.46 | \$0.00 | \$71.77 |
| | 12/01/2026 | \$44.85 | \$9.90 | \$18.46 | \$0.00 | \$73.21 |

For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| PLUMBER & PIPEFITTER PLUMBERS LOCAL 4 | 03/01/2025 | \$55.00 | \$11.30 | \$17.77 | \$0.00 | \$84.07 |
| | 09/01/2025 | \$56.40 | \$11.30 | \$17.77 | \$0.00 | \$85.47 |
| | 03/01/2026 | \$57.80 | \$11.30 | \$17.77 | \$0.00 | \$86.87 |

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - PLUMBER/PIPEFITTER - Local 4

Effective Date - 03/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 40 | \$22.00 | \$11.30 | \$0.00 | \$0.00 | \$33.30 |
| 2 | 50 | \$27.50 | \$11.30 | \$0.00 | \$0.00 | \$38.80 |
| 3 | 60 | \$33.00 | \$11.30 | \$0.00 | \$0.00 | \$44.30 |
| 4 | 70 | \$38.50 | \$11.30 | \$8.06 | \$0.00 | \$57.86 |
| 5 | 80 | \$44.00 | \$11.30 | \$8.06 | \$0.00 | \$63.36 |

Effective Date - 09/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 40 | \$22.56 | \$11.30 | \$0.00 | \$0.00 | \$33.86 |
| 2 | 50 | \$28.20 | \$11.30 | \$0.00 | \$0.00 | \$39.50 |
| 3 | 60 | \$33.84 | \$11.30 | \$0.00 | \$0.00 | \$45.14 |
| 4 | 70 | \$39.48 | \$11.30 | \$8.06 | \$0.00 | \$58.84 |
| 5 | 80 | \$45.12 | \$11.30 | \$8.06 | \$0.00 | \$64.48 |

Notes:

Steps - 2000 hrs; Step 4 w/lic 75%, Step 5 w/lic 85%
 Step 4 w/lic \$52.59, Step 5 w/lic \$57.44

Apprentice to Journeyworker Ratio:1:3

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| PNEUMATIC CONTROLS (TEMP.) <i>PLUMBERS LOCAL 4</i> | 03/01/2025 | \$55.00 | \$11.30 | \$17.77 | \$0.00 | \$84.07 |
| | 09/01/2025 | \$56.40 | \$11.30 | \$17.77 | \$0.00 | \$85.47 |
| | 03/01/2026 | \$57.80 | \$11.30 | \$17.77 | \$0.00 | \$86.87 |

For apprentice rates see "Apprentice- PIPEFITTER" or "PLUMBER/PIPEFITTER"

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| PNEUMATIC DRILL/TOOL OPERATOR <i>LABORERS - ZONE 2</i> | 12/01/2024 | \$39.70 | \$9.90 | \$17.54 | \$0.00 | \$67.14 |
| | 06/01/2025 | \$41.09 | \$9.90 | \$17.54 | \$0.00 | \$68.53 |
| | 12/01/2025 | \$42.47 | \$9.90 | \$17.54 | \$0.00 | \$69.91 |
| | 06/01/2026 | \$43.91 | \$9.90 | \$17.54 | \$0.00 | \$71.35 |
| | 12/01/2026 | \$45.35 | \$9.90 | \$17.54 | \$0.00 | \$72.79 |
| | 06/01/2027 | \$46.80 | \$9.90 | \$17.54 | \$0.00 | \$74.24 |
| | 12/01/2027 | \$48.25 | \$9.90 | \$17.54 | \$0.00 | \$75.69 |
| | 06/01/2028 | \$49.75 | \$9.90 | \$17.54 | \$0.00 | \$77.19 |
| | 12/01/2028 | \$51.25 | \$9.90 | \$17.54 | \$0.00 | \$78.69 |

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| PNEUMATIC DRILL/TOOL OPERATOR (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i> | 12/01/2024 | \$39.20 | \$9.90 | \$18.46 | \$0.00 | \$67.56 |
| | 06/01/2025 | \$40.59 | \$9.90 | \$18.46 | \$0.00 | \$68.95 |
| | 12/01/2025 | \$41.97 | \$9.90 | \$18.46 | \$0.00 | \$70.33 |
| | 06/01/2026 | \$43.41 | \$9.90 | \$18.46 | \$0.00 | \$71.77 |
| | 12/01/2026 | \$44.85 | \$9.90 | \$18.46 | \$0.00 | \$73.21 |

For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|-----------|---------|---------|---------------------------|------------|
| POWDERMAN & BLASTER <i>LABORERS - ZONE 2</i> | 12/01/2024 | \$39.95 | \$9.90 | \$18.36 | \$0.00 | \$68.21 |
| | 06/01/2025 | \$41.34 | \$9.90 | \$18.36 | \$0.00 | \$69.60 |
| | 12/01/2025 | \$42.72 | \$9.90 | \$18.36 | \$0.00 | \$70.98 |
| | 06/01/2026 | \$44.16 | \$9.90 | \$18.36 | \$0.00 | \$72.42 |
| | 12/01/2026 | \$45.60 | \$9.90 | \$18.36 | \$0.00 | \$73.86 |
| | 06/01/2027 | \$47.05 | \$9.90 | \$18.36 | \$0.00 | \$75.31 |
| | 12/01/2027 | \$48.50 | \$9.90 | \$18.36 | \$0.00 | \$76.76 |
| | 06/01/2028 | \$50.00 | \$9.90 | \$18.36 | \$0.00 | \$78.26 |
| | 12/01/2028 | \$51.50 | \$9.90 | \$18.36 | \$0.00 | \$79.76 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| POWDERMAN & BLASTER (HEAVY & HIGHWAY) <i>LABORERS - ZONE 2 (HEAVY & HIGHWAY)</i> | 12/01/2024 | \$39.95 | \$9.65 | \$18.46 | \$0.00 | \$68.06 |
| | 06/01/2025 | \$41.34 | \$9.65 | \$18.46 | \$0.00 | \$69.45 |
| | 12/01/2025 | \$42.72 | \$9.65 | \$18.46 | \$0.00 | \$70.83 |
| | 06/01/2026 | \$44.16 | \$9.65 | \$18.46 | \$0.00 | \$72.27 |
| | 12/01/2026 | \$45.60 | \$9.65 | \$18.46 | \$0.00 | \$73.71 |
| For apprentice rates see "Apprentice- LABORER (Heavy and Highway)" | | | | | | |
| POWER SHOVEL/DERRICK/TRENCHING MACHINE <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2024 | \$57.03 | \$15.55 | \$16.50 | \$0.00 | \$89.08 |
| | 06/01/2025 | \$58.33 | \$15.55 | \$16.50 | \$0.00 | \$90.38 |
| | 12/01/2025 | \$59.78 | \$15.55 | \$16.50 | \$0.00 | \$91.83 |
| | 06/01/2026 | \$61.08 | \$15.55 | \$16.50 | \$0.00 | \$93.13 |
| | 12/01/2026 | \$62.53 | \$15.55 | \$16.50 | \$0.00 | \$94.58 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| PUMP OPERATOR (CONCRETE) <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2024 | \$56.40 | \$15.55 | \$16.50 | \$0.00 | \$88.45 |
| | 06/01/2025 | \$57.68 | \$15.55 | \$16.50 | \$0.00 | \$89.73 |
| | 12/01/2025 | \$59.12 | \$15.55 | \$16.50 | \$0.00 | \$91.17 |
| | 06/01/2026 | \$60.40 | \$15.55 | \$16.50 | \$0.00 | \$92.45 |
| | 12/01/2026 | \$61.84 | \$15.55 | \$16.50 | \$0.00 | \$93.89 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| PUMP OPERATOR (DEWATERING, OTHER) <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2024 | \$36.67 | \$15.55 | \$16.50 | \$0.00 | \$68.72 |
| | 06/01/2025 | \$37.52 | \$15.55 | \$16.50 | \$0.00 | \$69.57 |
| | 12/01/2025 | \$38.47 | \$15.55 | \$16.50 | \$0.00 | \$70.52 |
| | 06/01/2026 | \$39.33 | \$15.55 | \$16.50 | \$0.00 | \$71.38 |
| | 12/01/2026 | \$40.28 | \$15.55 | \$16.50 | \$0.00 | \$72.33 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| READY-MIX CONCRETE DRIVER <i>TEAMSTERS 170 - Dauphinis (Bellingham)</i> | 01/01/2025 | \$27.60 | \$11.26 | \$6.15 | \$0.00 | \$45.01 |
| RECLAIMERS <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2024 | \$56.40 | \$15.55 | \$16.50 | \$0.00 | \$88.45 |
| | 06/01/2025 | \$57.68 | \$15.55 | \$16.50 | \$0.00 | \$89.73 |
| | 12/01/2025 | \$59.12 | \$15.55 | \$16.50 | \$0.00 | \$91.17 |
| | 06/01/2026 | \$60.40 | \$15.55 | \$16.50 | \$0.00 | \$92.45 |
| | 12/01/2026 | \$61.84 | \$15.55 | \$16.50 | \$0.00 | \$93.89 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|--|----------------|-----------|---------|---------|---------------------------|------------|
| RIDE-ON MOTORIZED BUGGY OPERATOR <i>LABORERS - ZONE 2</i> | 12/01/2024 | \$39.20 | \$9.90 | \$18.36 | \$0.00 | \$67.46 |
| | 06/01/2025 | \$40.59 | \$9.90 | \$18.36 | \$0.00 | \$68.85 |
| | 12/01/2025 | \$41.97 | \$9.90 | \$18.36 | \$0.00 | \$70.23 |
| | 06/01/2026 | \$43.41 | \$9.90 | \$18.36 | \$0.00 | \$71.67 |
| | 12/01/2026 | \$44.85 | \$9.90 | \$18.36 | \$0.00 | \$73.11 |
| | 06/01/2027 | \$46.30 | \$9.90 | \$18.36 | \$0.00 | \$74.56 |
| | 12/01/2027 | \$47.75 | \$9.90 | \$18.36 | \$0.00 | \$76.01 |
| | 06/01/2028 | \$49.25 | \$9.90 | \$18.36 | \$0.00 | \$77.51 |
| | 12/01/2028 | \$50.75 | \$9.90 | \$18.36 | \$0.00 | \$79.01 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| ROLLER/SPREADER/MULCHING MACHINE <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2024 | \$56.40 | \$15.55 | \$16.50 | \$0.00 | \$88.45 |
| | 06/01/2025 | \$57.68 | \$15.55 | \$16.50 | \$0.00 | \$89.73 |
| | 12/01/2025 | \$59.12 | \$15.55 | \$16.50 | \$0.00 | \$91.17 |
| | 06/01/2026 | \$60.40 | \$15.55 | \$16.50 | \$0.00 | \$92.45 |
| | 12/01/2026 | \$61.84 | \$15.55 | \$16.50 | \$0.00 | \$93.89 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| ROOFER (Inc.Roofing Waterproofing &Roofing Damproofg) <i>ROOFERS LOCAL 33</i> | 02/01/2025 | \$52.03 | \$13.28 | \$21.70 | \$0.00 | \$87.01 |
| | 08/01/2025 | \$53.53 | \$13.28 | \$21.70 | \$0.00 | \$88.51 |
| | 02/01/2026 | \$54.78 | \$13.28 | \$21.70 | \$0.00 | \$89.76 |

Apprentice - ROOFER - Local 33

Effective Date - 02/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$26.02 | \$13.28 | \$15.55 | \$0.00 | \$54.85 |
| 2 | 60 | \$31.22 | \$13.28 | \$21.70 | \$0.00 | \$66.20 |
| 3 | 65 | \$33.82 | \$13.28 | \$21.70 | \$0.00 | \$68.80 |
| 4 | 75 | \$39.02 | \$13.28 | \$21.70 | \$0.00 | \$74.00 |
| 5 | 85 | \$44.23 | \$13.28 | \$21.70 | \$0.00 | \$79.21 |

Effective Date - 08/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$26.77 | \$13.28 | \$15.55 | \$0.00 | \$55.60 |
| 2 | 60 | \$32.12 | \$13.28 | \$21.70 | \$0.00 | \$67.10 |
| 3 | 65 | \$34.79 | \$13.28 | \$21.70 | \$0.00 | \$69.77 |
| 4 | 75 | \$40.15 | \$13.28 | \$21.70 | \$0.00 | \$75.13 |
| 5 | 85 | \$45.50 | \$13.28 | \$21.70 | \$0.00 | \$80.48 |

Notes: ** 1:5, 2:6-10, the 1:10; Reroofing: 1:4, then 1:1
 Step 1 is 2000 hrs.; Steps 2-5 are 1000 hrs.
 (Hot Pitch Mechanics' receive \$1.00 hr. above ROOFER)

Apprentice to Journeyworker Ratio:**

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| ROOFER SLATE / TILE / PRECAST CONCRETE <i>ROOFERS LOCAL 33</i> | 02/01/2025 | \$52.28 | \$13.28 | \$21.70 | \$0.00 | \$87.26 |
| | 08/01/2025 | \$53.78 | \$13.28 | \$21.70 | \$0.00 | \$88.76 |
| | 02/01/2026 | \$55.03 | \$13.28 | \$21.70 | \$0.00 | \$90.01 |

For apprentice rates see "Apprentice- ROOFER"

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|-----------|---------|---------|---------------------------|------------|
| SHEETMETAL WORKER <i>SHEETMETAL WORKERS LOCAL 63</i> | 01/01/2025 | \$42.23 | \$12.20 | \$18.74 | \$2.13 | \$75.30 |

Apprentice - SHEET METAL WORKER - Local 63

Effective Date - 01/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 45 | \$19.00 | \$5.49 | \$4.86 | \$0.85 | \$30.20 |
| 2 | 50 | \$21.12 | \$6.10 | \$5.40 | \$0.94 | \$33.56 |
| 3 | 55 | \$23.23 | \$6.71 | \$9.71 | \$1.15 | \$40.80 |
| 4 | 60 | \$25.34 | \$7.32 | \$9.71 | \$1.23 | \$43.60 |
| 5 | 65 | \$27.45 | \$7.93 | \$9.71 | \$1.31 | \$46.40 |
| 6 | 70 | \$29.56 | \$8.54 | \$9.71 | \$1.39 | \$49.20 |
| 7 | 75 | \$31.67 | \$9.15 | \$9.71 | \$1.47 | \$52.00 |
| 8 | 80 | \$33.78 | \$9.76 | \$17.66 | \$1.78 | \$62.98 |
| 9 | 85 | \$35.90 | \$10.37 | \$17.66 | \$1.86 | \$65.79 |
| 10 | 90 | \$38.01 | \$10.98 | \$17.66 | \$1.94 | \$68.59 |

Notes:

Apprentice to Journeyworker Ratio:1:3

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| SPECIALIZED EARTH MOVING EQUIP < 35 TONS <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i> | 01/01/2025 | \$40.24 | \$15.57 | \$20.17 | \$0.00 | \$75.98 |
| | 06/01/2025 | \$41.24 | \$15.57 | \$20.17 | \$0.00 | \$76.98 |
| | 12/01/2025 | \$41.24 | \$15.57 | \$21.78 | \$0.00 | \$78.59 |
| | 01/01/2026 | \$41.24 | \$16.17 | \$21.78 | \$0.00 | \$79.19 |
| | 06/01/2026 | \$42.24 | \$16.17 | \$21.78 | \$0.00 | \$80.19 |
| | 12/01/2026 | \$42.24 | \$16.17 | \$23.52 | \$0.00 | \$81.93 |
| | 01/01/2027 | \$42.24 | \$16.77 | \$23.52 | \$0.00 | \$82.53 |

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| SPECIALIZED EARTH MOVING EQUIP > 35 TONS <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i> | 01/01/2025 | \$40.53 | \$15.57 | \$20.17 | \$0.00 | \$76.27 |
| | 06/01/2025 | \$41.53 | \$15.57 | \$20.17 | \$0.00 | \$77.27 |
| | 12/01/2025 | \$41.53 | \$15.57 | \$21.78 | \$0.00 | \$78.88 |
| | 01/01/2026 | \$41.53 | \$16.17 | \$21.78 | \$0.00 | \$79.48 |
| | 06/01/2026 | \$42.53 | \$16.17 | \$21.78 | \$0.00 | \$80.48 |
| | 12/01/2026 | \$42.53 | \$16.17 | \$23.52 | \$0.00 | \$82.22 |
| | 01/01/2027 | \$42.53 | \$16.77 | \$23.52 | \$0.00 | \$82.82 |

| | | | | | | |
|---|------------|---------|---------|---------|--------|----------|
| SPRINKLER FITTER <i>SPRINKLER FITTERS LOCAL 550 - (Section A) Zone 1</i> | 03/01/2025 | \$72.14 | \$11.51 | \$23.80 | \$0.00 | \$107.45 |
|---|------------|---------|---------|---------|--------|----------|

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - SPRINKLER FITTER - Local 550 (Section A) Zone 1

Effective Date - 03/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 35 | \$25.25 | \$11.51 | \$13.07 | \$0.00 | \$49.83 |
| 2 | 40 | \$28.86 | \$11.51 | \$13.90 | \$0.00 | \$54.27 |
| 3 | 45 | \$32.46 | \$11.51 | \$14.73 | \$0.00 | \$58.70 |
| 4 | 50 | \$36.07 | \$11.51 | \$15.55 | \$0.00 | \$63.13 |
| 5 | 55 | \$39.68 | \$11.51 | \$16.37 | \$0.00 | \$67.56 |
| 6 | 60 | \$43.28 | \$11.51 | \$17.20 | \$0.00 | \$71.99 |
| 7 | 65 | \$46.89 | \$11.51 | \$18.03 | \$0.00 | \$76.43 |
| 8 | 70 | \$50.50 | \$11.51 | \$18.85 | \$0.00 | \$80.86 |
| 9 | 75 | \$54.11 | \$11.51 | \$19.67 | \$0.00 | \$85.29 |
| 10 | 80 | \$57.71 | \$11.51 | \$20.50 | \$0.00 | \$89.72 |

Notes: Apprentice entered prior 9/30/10:
40/45/50/55/60/65/70/75/80/85
Steps are 850 hours

Apprentice to Journeyworker Ratio:1:3

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| STEAM BOILER OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2024 | \$56.40 | \$15.55 | \$16.50 | \$0.00 | \$88.45 |
| | 06/01/2025 | \$57.68 | \$15.55 | \$16.50 | \$0.00 | \$89.73 |
| | 12/01/2025 | \$59.12 | \$15.55 | \$16.50 | \$0.00 | \$91.17 |
| | 06/01/2026 | \$60.40 | \$15.55 | \$16.50 | \$0.00 | \$92.45 |
| | 12/01/2026 | \$61.84 | \$15.55 | \$16.50 | \$0.00 | \$93.89 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| | | | | | | |
|--|------------|---------|---------|---------|--------|---------|
| TAMPERS, SELF-PROPELLED OR TRACTOR DRAWN <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2024 | \$56.40 | \$15.55 | \$16.50 | \$0.00 | \$88.45 |
| | 06/01/2025 | \$57.68 | \$15.55 | \$16.50 | \$0.00 | \$89.73 |
| | 12/01/2025 | \$59.12 | \$15.55 | \$16.50 | \$0.00 | \$91.17 |
| | 06/01/2026 | \$60.40 | \$15.55 | \$16.50 | \$0.00 | \$92.45 |
| | 12/01/2026 | \$61.84 | \$15.55 | \$16.50 | \$0.00 | \$93.89 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| | | | | | | |
|--|------------|---------|---------|---------|--------|----------|
| TERRAZZO FINISHERS <i>BRICKLAYERS LOCAL 3 - MARBLE & TILE</i> | 02/01/2025 | \$64.74 | \$11.49 | \$23.59 | \$0.00 | \$99.82 |
| | 08/01/2025 | \$66.89 | \$11.49 | \$23.59 | \$0.00 | \$101.97 |
| | 02/01/2026 | \$68.24 | \$11.49 | \$23.59 | \$0.00 | \$103.32 |
| | 08/01/2026 | \$70.44 | \$11.49 | \$23.59 | \$0.00 | \$105.52 |
| | 02/01/2027 | \$71.84 | \$11.49 | \$23.59 | \$0.00 | \$106.92 |

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - TERRAZZO FINISHER - Local 3 Marble & Tile

Effective Date - 02/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$32.37 | \$11.49 | \$23.59 | \$0.00 | \$67.45 |
| 2 | 60 | \$38.84 | \$11.49 | \$23.59 | \$0.00 | \$73.92 |
| 3 | 70 | \$45.32 | \$11.49 | \$23.59 | \$0.00 | \$80.40 |
| 4 | 80 | \$51.79 | \$11.49 | \$23.59 | \$0.00 | \$86.87 |
| 5 | 90 | \$58.27 | \$11.49 | \$23.59 | \$0.00 | \$93.35 |

Effective Date - 08/01/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$33.45 | \$11.49 | \$23.59 | \$0.00 | \$68.53 |
| 2 | 60 | \$40.13 | \$11.49 | \$23.59 | \$0.00 | \$75.21 |
| 3 | 70 | \$46.82 | \$11.49 | \$23.59 | \$0.00 | \$81.90 |
| 4 | 80 | \$53.51 | \$11.49 | \$23.59 | \$0.00 | \$88.59 |
| 5 | 90 | \$60.20 | \$11.49 | \$23.59 | \$0.00 | \$95.28 |

Notes:

Apprentice to Journeyworker Ratio:1:3

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| TEST BORING DRILLER <i>LABORERS - FOUNDATION AND MARINE</i> | 12/01/2024 | \$50.20 | \$9.90 | \$19.05 | \$0.00 | \$79.15 |
| | 06/01/2025 | \$51.70 | \$9.90 | \$19.05 | \$0.00 | \$80.65 |
| | 12/01/2025 | \$53.20 | \$9.90 | \$19.05 | \$0.00 | \$82.15 |
| | 06/01/2026 | \$54.75 | \$9.90 | \$19.05 | \$0.00 | \$83.70 |
| | 12/01/2026 | \$56.25 | \$9.90 | \$19.05 | \$0.00 | \$85.20 |

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|--|------------|---------|--------|---------|--------|---------|
| TEST BORING DRILLER HELPER <i>LABORERS - FOUNDATION AND MARINE</i> | 12/01/2024 | \$46.32 | \$9.90 | \$19.05 | \$0.00 | \$75.27 |
| | 06/01/2025 | \$47.82 | \$9.90 | \$19.05 | \$0.00 | \$76.77 |
| | 12/01/2025 | \$49.32 | \$9.90 | \$19.05 | \$0.00 | \$78.27 |
| | 06/01/2026 | \$50.87 | \$9.90 | \$19.05 | \$0.00 | \$79.82 |
| | 12/01/2026 | \$52.37 | \$9.90 | \$19.05 | \$0.00 | \$81.32 |

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| TEST BORING LABORER <i>LABORERS - FOUNDATION AND MARINE</i> | 12/01/2024 | \$46.20 | \$9.90 | \$19.05 | \$0.00 | \$75.15 |
| | 06/01/2025 | \$47.70 | \$9.90 | \$19.05 | \$0.00 | \$76.65 |
| | 12/01/2025 | \$49.20 | \$9.90 | \$19.05 | \$0.00 | \$78.15 |
| | 06/01/2026 | \$50.75 | \$9.90 | \$19.05 | \$0.00 | \$79.70 |
| | 12/01/2026 | \$52.25 | \$9.90 | \$19.05 | \$0.00 | \$81.20 |

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|---|------------|---------|---------|---------|--------|---------|
| TRACTORS/PORTABLE STEAM GENERATORS <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2024 | \$56.40 | \$15.55 | \$16.50 | \$0.00 | \$88.45 |
| | 06/01/2025 | \$57.68 | \$15.55 | \$16.50 | \$0.00 | \$89.73 |
| | 12/01/2025 | \$59.12 | \$15.55 | \$16.50 | \$0.00 | \$91.17 |
| | 06/01/2026 | \$60.40 | \$15.55 | \$16.50 | \$0.00 | \$92.45 |
| | 12/01/2026 | \$61.84 | \$15.55 | \$16.50 | \$0.00 | \$93.89 |

For apprentice rates see "Apprentice- OPERATING ENGINEERS"

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|---|----------------|-----------|---------|---------|---------------------------|------------|
| TRAILERS FOR EARTH MOVING EQUIPMENT <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i> | 01/01/2025 | \$40.82 | \$15.57 | \$20.17 | \$0.00 | \$76.56 |
| | 06/01/2025 | \$41.82 | \$15.57 | \$20.17 | \$0.00 | \$77.56 |
| | 12/01/2025 | \$41.82 | \$15.57 | \$21.78 | \$0.00 | \$79.17 |
| | 01/01/2026 | \$41.82 | \$16.17 | \$21.78 | \$0.00 | \$79.77 |
| | 06/01/2026 | \$42.82 | \$16.17 | \$21.78 | \$0.00 | \$80.77 |
| | 12/01/2026 | \$42.82 | \$16.17 | \$23.52 | \$0.00 | \$82.51 |
| | 01/01/2027 | \$42.82 | \$16.77 | \$23.52 | \$0.00 | \$83.11 |
| TUNNEL WORK - COMPRESSED AIR <i>LABORERS (COMPRESSED AIR)</i> | 12/01/2024 | \$58.43 | \$9.90 | \$19.50 | \$0.00 | \$87.83 |
| | 06/01/2025 | \$59.93 | \$9.90 | \$19.50 | \$0.00 | \$89.33 |
| | 12/01/2025 | \$61.43 | \$9.90 | \$19.50 | \$0.00 | \$90.83 |
| | 06/01/2026 | \$62.98 | \$9.90 | \$19.50 | \$0.00 | \$92.38 |
| | 12/01/2026 | \$64.48 | \$9.90 | \$19.50 | \$0.00 | \$93.88 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| TUNNEL WORK - COMPRESSED AIR (HAZ. WASTE) <i>LABORERS (COMPRESSED AIR)</i> | 12/01/2024 | \$60.43 | \$9.90 | \$19.50 | \$0.00 | \$89.83 |
| | 06/01/2025 | \$61.93 | \$9.90 | \$19.50 | \$0.00 | \$91.33 |
| | 12/01/2025 | \$63.43 | \$9.90 | \$19.50 | \$0.00 | \$92.83 |
| | 06/01/2026 | \$64.98 | \$9.90 | \$19.50 | \$0.00 | \$94.38 |
| | 12/01/2026 | \$66.48 | \$9.90 | \$19.50 | \$0.00 | \$95.88 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| TUNNEL WORK - FREE AIR <i>LABORERS (FREE AIR TUNNEL)</i> | 12/01/2024 | \$50.50 | \$9.90 | \$19.50 | \$0.00 | \$79.90 |
| | 06/01/2025 | \$52.00 | \$9.90 | \$19.50 | \$0.00 | \$81.40 |
| | 12/01/2025 | \$53.50 | \$9.90 | \$19.50 | \$0.00 | \$82.90 |
| | 06/01/2026 | \$55.05 | \$9.90 | \$19.50 | \$0.00 | \$84.45 |
| | 12/01/2026 | \$56.55 | \$9.90 | \$19.50 | \$0.00 | \$85.95 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| TUNNEL WORK - FREE AIR (HAZ. WASTE) <i>LABORERS (FREE AIR TUNNEL)</i> | 12/01/2024 | \$52.50 | \$9.90 | \$19.50 | \$0.00 | \$81.90 |
| | 06/01/2025 | \$54.00 | \$9.90 | \$19.50 | \$0.00 | \$83.40 |
| | 12/01/2025 | \$55.50 | \$9.90 | \$19.50 | \$0.00 | \$84.90 |
| | 06/01/2026 | \$57.05 | \$9.90 | \$19.50 | \$0.00 | \$86.45 |
| | 12/01/2026 | \$58.55 | \$9.90 | \$19.50 | \$0.00 | \$87.95 |
| For apprentice rates see "Apprentice- LABORER" | | | | | | |
| VAC-HAUL <i>TEAMSTERS JOINT COUNCIL NO. 10 ZONE B</i> | 01/01/2025 | \$40.24 | \$15.57 | \$20.17 | \$0.00 | \$75.98 |
| | 06/01/2025 | \$41.24 | \$15.57 | \$20.17 | \$0.00 | \$76.98 |
| | 12/01/2025 | \$41.24 | \$15.57 | \$21.78 | \$0.00 | \$78.59 |
| | 01/01/2026 | \$41.24 | \$16.17 | \$21.78 | \$0.00 | \$79.19 |
| | 06/01/2026 | \$42.24 | \$16.17 | \$21.78 | \$0.00 | \$80.19 |
| | 12/01/2026 | \$42.24 | \$16.17 | \$23.52 | \$0.00 | \$81.93 |
| | 01/01/2027 | \$42.24 | \$16.77 | \$23.52 | \$0.00 | \$82.53 |
| VOICE-DATA-VIDEO TECHNICIAN <i>ELECTRICIANS LOCAL 96</i> | 09/01/2024 | \$35.29 | \$13.99 | \$17.57 | \$0.00 | \$66.85 |
| | 09/07/2025 | \$36.12 | \$14.98 | \$17.91 | \$0.00 | \$69.01 |
| | 09/06/2026 | \$37.04 | \$15.96 | \$18.27 | \$0.00 | \$71.27 |

Classification

Effective Date Base Wage Health Pension Supplemental Unemployment Total Rate

Apprentice - VOICE-DATA-VIDEO TECHNICIAN - Local 96

Effective Date - 09/01/2024

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$17.65 | \$13.99 | \$4.41 | \$0.00 | \$36.05 |
| 2 | 55 | \$19.41 | \$13.99 | \$4.46 | \$0.00 | \$37.86 |
| 3 | 60 | \$21.17 | \$13.99 | \$17.15 | \$0.00 | \$52.31 |
| 4 | 65 | \$22.94 | \$13.99 | \$17.20 | \$0.00 | \$54.13 |
| 5 | 70 | \$24.70 | \$13.99 | \$17.25 | \$0.00 | \$55.94 |
| 6 | 75 | \$26.47 | \$13.99 | \$17.30 | \$0.00 | \$57.76 |
| 7 | 80 | \$28.23 | \$13.99 | \$17.36 | \$0.00 | \$59.58 |
| 8 | 85 | \$30.00 | \$13.99 | \$17.41 | \$0.00 | \$61.40 |

Effective Date - 09/07/2025

| Step | percent | Apprentice Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|------|---------|----------------------|---------|---------|---------------------------|------------|
| 1 | 50 | \$18.06 | \$14.98 | \$4.51 | \$0.00 | \$37.55 |
| 2 | 55 | \$19.87 | \$14.98 | \$4.57 | \$0.00 | \$39.42 |
| 3 | 60 | \$21.67 | \$14.98 | \$17.48 | \$0.00 | \$54.13 |
| 4 | 65 | \$23.48 | \$14.98 | \$17.53 | \$0.00 | \$55.99 |
| 5 | 70 | \$25.28 | \$14.98 | \$17.59 | \$0.00 | \$57.85 |
| 6 | 75 | \$27.09 | \$14.98 | \$17.64 | \$0.00 | \$59.71 |
| 7 | 80 | \$28.90 | \$14.98 | \$17.70 | \$0.00 | \$61.58 |
| 8 | 85 | \$30.70 | \$14.98 | \$17.75 | \$0.00 | \$63.43 |

Notes:

Apprentice to Journeyworker Ratio:1:1

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| WAGON DRILL OPERATOR LABORERS - ZONE 2 | 12/01/2024 | \$40.61 | \$9.65 | \$17.70 | \$0.00 | \$67.96 |
| | 06/01/2025 | \$42.00 | \$9.65 | \$17.70 | \$0.00 | \$69.35 |
| | 12/01/2025 | \$43.38 | \$9.65 | \$17.70 | \$0.00 | \$70.73 |
| | 06/01/2026 | \$44.82 | \$9.65 | \$17.70 | \$0.00 | \$72.17 |
| | 12/01/2026 | \$46.26 | \$9.65 | \$17.70 | \$0.00 | \$73.61 |
| | 06/01/2027 | \$47.71 | \$9.65 | \$17.70 | \$0.00 | \$75.06 |
| | 12/01/2027 | \$49.16 | \$9.65 | \$17.70 | \$0.00 | \$76.51 |
| | 06/01/2028 | \$50.66 | \$9.65 | \$17.70 | \$0.00 | \$78.01 |
| | 12/01/2028 | \$52.16 | \$9.65 | \$17.70 | \$0.00 | \$79.51 |

For apprentice rates see "Apprentice- LABORER"

| | | | | | | |
|---|------------|---------|--------|---------|--------|---------|
| WAGON DRILL OPERATOR (HEAVY & HIGHWAY) LABORERS - ZONE 2 (HEAVY & HIGHWAY) | 12/01/2024 | \$39.20 | \$9.90 | \$18.46 | \$0.00 | \$67.56 |
| | 06/01/2025 | \$40.59 | \$9.90 | \$18.46 | \$0.00 | \$68.95 |
| | 12/01/2025 | \$41.97 | \$9.90 | \$18.46 | \$0.00 | \$70.33 |
| | 06/01/2026 | \$43.41 | \$9.90 | \$18.46 | \$0.00 | \$71.77 |
| | 12/01/2026 | \$44.85 | \$9.90 | \$18.46 | \$0.00 | \$73.21 |

For apprentice rates see "Apprentice- LABORER (Heavy and Highway)"

| Classification | Effective Date | Base Wage | Health | Pension | Supplemental Unemployment | Total Rate |
|--|-----------------------|------------------|---------------|----------------|----------------------------------|-------------------|
| WASTE WATER PUMP OPERATOR <i>OPERATING ENGINEERS LOCAL 4</i> | 12/01/2024 | \$57.03 | \$15.55 | \$16.50 | \$0.00 | \$89.08 |
| | 06/01/2025 | \$58.33 | \$15.55 | \$16.50 | \$0.00 | \$90.38 |
| | 12/01/2025 | \$59.78 | \$15.55 | \$16.50 | \$0.00 | \$91.83 |
| | 06/01/2026 | \$61.08 | \$15.55 | \$16.50 | \$0.00 | \$93.13 |
| | 12/01/2026 | \$62.53 | \$15.55 | \$16.50 | \$0.00 | \$94.58 |
| For apprentice rates see "Apprentice- OPERATING ENGINEERS" | | | | | | |
| WATER METER INSTALLER <i>PLUMBERS LOCAL 4</i> | 03/01/2025 | \$55.00 | \$11.30 | \$17.77 | \$0.00 | \$84.07 |
| | 09/01/2025 | \$56.40 | \$11.30 | \$17.77 | \$0.00 | \$85.47 |
| | 03/01/2026 | \$57.80 | \$11.30 | \$17.77 | \$0.00 | \$86.87 |
| For apprentice rates see "Apprentice- PLUMBER/PIPEFITTER" or "PLUMBER/GASFITTER" | | | | | | |

Additional Apprentice Information:

All apprentices must be registered with the Division of Apprenticeship Training (DAS) in accordance with M.G.L. c. 23, §§ 11E-11L. Minimum wage rates for apprentices employed on public works projects are listed above as a percentage of the hourly prevailing wage rate established by the Commissioner under the provisions of M.G.L. c. 149, §§ 26-27D. Apprentice ratios are established by DAS pursuant to M.G.L. c. 23, §§ 11E-11L. Ratios are expressed as the allowable number of apprentices to journeymen or fraction thereof, unless otherwise specified. The ratios listed herein have been taken from relevant private collective bargaining agreements (CBAs) and are provided for illustrative purposes only. They have not been independently verified as being accurate or continuing to be accurate. Parties having questions regarding what ratio to use should contact DAS.

EXHIBIT C—2020 DHS STANDARD TERMS AND CONDITIONS

2020 DHS Standard Terms and Conditions

The 2020 DHS Standard Terms and Conditions apply to all new federal financial assistance awards funded in FY 2020. These terms and conditions flow down to subrecipients, unless an award term or condition specifically indicates otherwise. The United States has the right to seek judicial enforcement of these obligations.

Assurances, Administrative Requirements, Cost Principles, Representations and Certifications

DHS financial assistance recipients must complete either the Office of Management and Budget (OMB) [Standard Form 424B Assurances – Non-Construction Programs](#), or [OMB Standard Form 424D Assurances – Construction Programs](#), as applicable. Certain assurances in these documents may not be applicable to your program, and the DHS financial assistance office (DHS FAO) may require applicants to certify additional assurances. Applicants are required to fill out the assurances applicable to their program as instructed by the awarding agency. Please contact the DHS FAO if you have any questions.

DHS financial assistance recipients are required to follow the applicable provisions of the Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards located at [Title 2, Code of Federal Regulations \(C.F.R.\) Part 200](#), and adopted by DHS at [2 C.F.R. Part 3002](#).

DHS Specific Acknowledgements and Assurances

All recipients, subrecipients, successors, transferees, and assignees must acknowledge and agree to comply with applicable provisions governing DHS access to records, accounts, documents, information, facilities, and staff.

1. Recipients must cooperate with any compliance reviews or compliance investigations conducted by DHS.
2. Recipients must give DHS access to, and the right to examine and copy, records, accounts, and other documents and sources of information related to the federal financial assistance award and permit access to facilities, personnel, and other individuals and information as may be necessary, as required by DHS regulations and other applicable laws or program guidance.
3. Recipients must submit timely, complete, and accurate reports to the appropriate DHS officials and maintain appropriate backup documentation to support the reports.
4. Recipients must comply with all other special reporting, data collection, and evaluation requirements, as prescribed by law or detailed in program guidance.
5. Recipients of federal financial assistance from DHS must complete the *DHS Civil Rights Evaluation Tool* within thirty (30) days of receipt of the Notice of Award or, for State Administering Agencies, thirty (30) days from receipt of the DHS Civil Rights Evaluation Tool from DHS or its awarding component agency. After the initial submission for the first award under which this term applies, recipients are required to provide this information once every two (2) years if they have an active award, not every time an award is made. Recipients should submit the completed tool, including supporting materials, to CivilRightsEvaluation@hq.dhs.gov. This tool clarifies the civil rights obligations and related reporting requirements contained in the DHS Standard Terms and Conditions. Subrecipients are not required to complete and submit this tool to DHS. The evaluation tool can be found at <https://www.dhs.gov/publication/dhs-civil-rights-evaluation-tool>.

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6. The DHS Office for Civil Rights and Civil Liberties will consider, in its discretion, granting an extension if the recipient identifies steps and a timeline for completing the tool. Recipients should request extensions by emailing the request to CivilRightsEvaluation@hq.dhs.gov prior to expiration of the 30-day deadline.

Standard Terms & Conditions

I. Acknowledgement of Federal Funding from DHS

Recipients must acknowledge their use of federal funding when issuing statements, press releases, requests for proposal, bid invitations, and other documents describing projects or programs funded in whole or in part with federal funds.

II. Activities Conducted Abroad

Recipients must ensure that project activities carried on outside the United States are coordinated as necessary with appropriate government authorities and that appropriate licenses, permits, or approvals are obtained.

III. Age Discrimination Act of 1975

Recipients must comply with the requirements of the *Age Discrimination Act of 1975*, Public Law Number 94-135 (1975) (codified as amended at [Title 42, U.S. Code, § 6101 et seq.](#)), which prohibits discrimination on the basis of age in any program or activity receiving federal financial assistance.

IV. Americans with Disabilities Act of 1990

Recipients must comply with the requirements of Titles I, II, and III of the *Americans with Disabilities Act*, Pub. L. No. 101-336 (1990) (codified as amended at [42 U.S.C. §§ 12101– 12213](#)), which prohibits recipients from discriminating on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities.

V. Best Practices for Collection and Use of Personally Identifiable Information (PII)

Recipients who collect personally identifiable information (PII) are required to have a publicly available privacy policy that describes standards on the usage and maintenance of the PII they collect. DHS defines PII as any information that permits the identity of an individual to be directly or indirectly inferred, including any information that is linked or linkable to that individual. Recipients may also find the DHS Privacy Impact Assessments: [Privacy Guidance](#) and [Privacy Template](#) as useful resources respectively.

VI. Civil Rights Act of 1964 – Title VI

Recipients must comply with the requirements of Title VI of the *Civil Rights Act of 1964* (codified as amended at [42 U.S.C. § 2000d et seq.](#)), which provides that no person in the United States will, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance. DHS implementing regulations for the Act are found at [6 C.F.R. Part 21](#) and [44 C.F.R. Part 7](#).

VII. Civil Rights Act of 1968

Recipients must comply with Title VIII of the *Civil Rights Act of 1968*, [Pub. L. 90-284, as amended through Pub. L. 113-4](#), which prohibits recipients from discriminating in the sale, rental, financing, and advertising of dwellings, or in the provision of services in connection therewith, on the basis of race, color, national origin, religion, disability, familial status, and sex (see

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[42 U.S.C. § 3601 et seq.](#)), as implemented by the U.S. Department of Housing and Urban Development at [24 C.F.R. Part 100](#). The prohibition on disability discrimination includes the requirement that new multifamily housing with four or more dwelling units—i.e., the public and common use areas and individual apartment units (all units in buildings with elevators and ground-floor units in buildings without elevators)—be designed and constructed with certain accessible features. (See [24 C.F.R. Part 100, Subpart D](#).)

VIII. **Copyright**

Recipients must affix the applicable copyright notices of [17 U.S.C. §§ 401 or 402](#) and an acknowledgement of U.S. Government sponsorship (including the award number) to any work first produced under federal financial assistance awards.

IX. **Debarment and Suspension**

Recipients are subject to the non-procurement debarment and suspension regulations implementing Executive Orders (E.O.) [12549](#) and [12689](#), which are at [2 C.F.R. Part 180](#) as adopted by DHS at 2 C.F.R. Part 3002. These regulations restrict federal financial assistance awards, subawards, and contracts with certain parties that are debarred, suspended, or otherwise excluded from or ineligible for participation in federal assistance programs or activities.

X. **Drug-Free Workplace Regulations**

Recipients must comply with drug-free workplace requirements in Subpart B (or Subpart C, if the recipient is an individual) of [2 C.F.R. Part 3001](#), which adopts the Government-wide implementation ([2 C.F.R. Part 182](#)) of Sec. 5152-5158 of the *Drug-Free Workplace Act of 1988* ([41 U.S.C. §§ 8101-8106](#)).

XI. **Duplication of Benefits**

Any cost allocable to a particular federal financial assistance award provided for in [2 C.F.R. Part 200, Subpart E](#) may not be charged to other federal financial assistance awards to overcome fund deficiencies; to avoid restrictions imposed by federal statutes, regulations, or federal financial assistance award terms and conditions; or for other reasons. However, these prohibitions would not preclude recipients from shifting costs that are allowable under two or more awards in accordance with existing federal statutes, regulations, or the federal financial assistance award terms and conditions.

XII. **Education Amendments of 1972 (Equal Opportunity in Education Act) – Title IX**

Recipients must comply with the requirements of Title IX of the *Education Amendments of 1972*, Pub. L. 92-318 (1972) (codified as amended at [20 U.S.C. § 1681 et seq.](#)), which provide that no person in the United States will, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any educational program or activity receiving federal financial assistance. DHS implementing regulations are codified at [6 C.F.R. Part 17](#) and [44 C.F.R. Part 19](#)

XIII. **Energy Policy and Conservation Act**

Recipients must comply with the requirements of the *Energy Policy and Conservation Act*, Pub. L. 94- 163 (1975) (codified as amended at [42 U.S.C. § 6201 et seq.](#)), which contain policies relating to energy efficiency that are defined in the state energy conservation plan issued in compliance with this Act.

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- XIV. False Claims Act and Program Fraud Civil Remedies**
Recipients must comply with the requirements of the *False Claims Act*, [31 U.S.C. §§ 3729- 3733](#), which prohibit the submission of false or fraudulent claims for payment to the federal government. (See [31 U.S.C. §§ 3801-3812](#), which details the administrative remedies for false claims and statements made.)
- XV. Federal Debt Status**
All recipients are required to be non-delinquent in their repayment of any federal debt. Examples of relevant debt include delinquent payroll and other taxes, audit disallowances, and benefit overpayments. (See [OMB Circular A-129](#).)
- XVI. Federal Leadership on Reducing Text Messaging while Driving**
Recipients are encouraged to adopt and enforce policies that ban text messaging while driving as described in [E.O. 13513](#), including conducting initiatives described in Section 3(a) of the Order when on official government business or when performing any work for or on behalf of the federal government.
- XVII. Fly America Act of 1974**
Recipients must comply with Preference for U.S. Flag Air Carriers (air carriers holding certificates under [49 U.S.C. § 41102](#)) for international air transportation of people and property to the extent that such service is available, in accordance with the *International Air Transportation Fair Competitive Practices Act of 1974*, [49 U.S.C. § 40118](#), and the interpretative guidelines issued by the Comptroller General of the United States in the March 31, 1981, [amendment](#) to Comptroller General Decision B-138942.
- XVIII. Hotel and Motel Fire Safety Act of 1990**
In accordance with Section 6 of the *Hotel and Motel Fire Safety Act of 1990*, [15 U.S.C. § 2225a](#), recipients must ensure that all conference, meeting, convention, or training space funded in whole or in part with federal funds complies with the fire prevention and control guidelines of the *Federal Fire Prevention and Control Act of 1974*, (codified as amended at [15 U.S.C. § 2225](#).)
- XIX. Limited English Proficiency (Civil Rights Act of 1964, Title VI)**
Recipients must comply with Title VI of the *Civil Rights Act of 1964*, ([42 U.S.C. § 2000d et seq.](#)) prohibition against discrimination on the basis of national origin, which requires that recipients of federal financial assistance take reasonable steps to provide meaningful access to persons with limited English proficiency (LEP) to their programs and services. For additional assistance and information regarding language access obligations, please refer to the DHS Recipient Guidance: <https://www.dhs.gov/guidance-published-help-department-supported-organizations-provide-meaningful-access-people-limited> and additional resources on <http://www.lep.gov>.
- XX. Lobbying Prohibitions**
Recipients must comply with [31 U.S.C. § 1352](#), which provides that none of the funds provided under a federal financial assistance award may be expended by the recipient to pay any person to influence, or attempt to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with any federal action related to a federal award or contract, including any extension, continuation, renewal, amendment, or modification.

2020 DHS Standard Terms and Conditions

XXI. National Environmental Policy Act

Recipients must comply with the requirements of the [National Environmental Policy Act of 1969, Pub. L. 91-190 \(1970\)](#) (codified as amended at [42 U.S.C. § 4321 et seq.](#)) (NEPA) and the Council on Environmental Quality (CEQ) Regulations for Implementing the Procedural Provisions of NEPA, which require recipients to use all practicable means within their authority, and consistent with other essential considerations of national policy, to create and maintain conditions under which people and nature can exist in productive harmony and fulfill the social, economic, and other needs of present and future generations of Americans.

XXII. Nondiscrimination in Matters Pertaining to Faith-Based Organizations

It is DHS policy to ensure the equal treatment of faith-based organizations in social service programs administered or supported by DHS or its component agencies, enabling those organizations to participate in providing important social services to beneficiaries. Recipients must comply with the equal treatment policies and requirements contained in [6 C.F.R. Part 19](#) and other applicable statutes, regulations, and guidance governing the participations of faith-based organizations in individual DHS programs.

XXIII. Non-Supplanting Requirement

Recipients receiving federal financial assistance awards made under programs that prohibit supplanting by law must ensure that federal funds do not replace (supplant) funds that have been budgeted for the same purpose through non-federal sources.

XXIV. Notice of Funding Opportunity Requirements

All instructions, guidance, limitations, and other conditions set forth in the Notice of Funding Opportunity (NOFO) for this program are incorporated here by reference in the award terms and conditions. All recipients must comply with any such requirements set forth in the program NOFO.

XXV. Patents and Intellectual Property Rights

Recipients are subject to the *Bayh-Dole Act*, [35 U.S.C. § 200 et seq.](#), unless otherwise provided by law. Recipients are subject to the specific requirements governing the development, reporting, and disposition of rights to inventions and patents resulting from federal financial assistance awards located at [37 C.F.R. Part 401](#) and the standard patent rights clause located at 37 C.F.R. § 401.14.

XXVI. Procurement of Recovered Materials

States, political subdivisions of states, and their contractors must comply with Section 6002 of the Solid Waste Disposal Act, [Pub. L. 89-272](#) (1965), (codified as amended by the *Resource Conservation and Recovery Act*, [42 U.S.C. § 6962](#).) The requirements of Section 6002 include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at [40 C.F.R. Part 247](#) that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition.

XXVII. Rehabilitation Act of 1973

Recipients must comply with the requirements of Section 504 of the *Rehabilitation Act of 1973*, Pub. L. 93-112 (1973), (codified as amended at [29 U.S.C. § 794](#),) which provides that no otherwise qualified handicapped individuals in the United States will, solely by reason of the handicap, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance.

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XXVIII. Reporting of Matters Related to Recipient Integrity and Performance

1. General Reporting Requirements

If the total value of any currently active grants, cooperative agreements, and procurement contracts from all federal awarding agencies exceeds \$10,000,000 for any period of time during the period of performance of this federal award, then the recipients during that period of time must maintain the currency of information reported to the System for Award Management (SAM) that is made available in the designated integrity and performance system (currently the [Federal Awardee Performance and Integrity Information System \(FAPIIS\)](#)) about civil, criminal, or administrative proceedings described in paragraph 2 of this award term and condition. This is a statutory requirement under [Pub. L. 110-417, § 872](#), as amended [41 U.S.C. § 2313](#). As required by [Pub. L. 111-212, § 3010](#), all information posted in the designated integrity and performance system on or after April 15, 2011, except past performance reviews required for federal procurement contracts, will be publicly available.

2. Proceedings about Which Recipients Must Report

Recipients must submit the required information about each proceeding that:

- a. Is in connection with the award or performance of a grant, cooperative agreement, or procurement contract from the federal government;
- b. Reached its final disposition during the most recent five-year period; and
- c. One or more of the following:
 - 1) A criminal proceeding that resulted in a conviction, as defined in paragraph 5 of this award term and condition;
 - 2) A civil proceeding that resulted in a finding of fault and liability and payment of a monetary fine, penalty, reimbursement, restitution, or damages of \$5,000 or more;
 - 3) An administrative proceeding, as defined in paragraph 5, that resulted in a finding of fault and liability and the recipient's payment of either a monetary fine or penalty of \$5,000 or more or reimbursement, restitution, or damages in excess of \$100,000; or
 - 4) Any other criminal, civil, or administrative proceeding if:
 - a) It could have led to an outcome described in this award term and condition;
 - b) It had a different disposition arrived at by consent or compromise with an acknowledgment of fault on the recipient's part; and
 - c) The requirement in this award term and condition to disclose information about the proceeding does not conflict with applicable laws and regulations.

3. Reporting Procedures

Recipients must enter the information that SAM requires about each proceeding described in paragraph 2 of this award term and condition in the SAM Entity Management area. Recipients do not need to submit the information a second time under financial assistance awards that the recipient received if the recipient already provided the information through SAM because it was required to do so under federal procurement contracts that the recipient was awarded.

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4. Reporting Frequency

During any period when recipients are subject to the main requirement in paragraph 1 of this award term and condition, recipients must report proceedings information through SAM for the most recent five-year period, either to report new information about any proceeding(s) that recipients have not reported previously or affirm that there is no new information to report. Recipients that have federal contract, grant, and cooperative agreement awards with a cumulative total value greater than \$10,000,000 must disclose semiannually any information about the criminal, civil, and administrative proceedings.

5. Definitions

For the purpose of this award term and condition:

- a. *Administrative proceeding*: means a non-judicial process that is adjudicatory in nature to decide of fault or liability (e.g., Securities and Exchange Commission Administrative proceedings, Civilian Board of Contract Appeals proceedings, and Armed Services Board of Contract Appeals proceedings). This includes proceedings at the federal and state level but only in connection with performance of a federal contract or grant. It does not include audits, site visits, corrective plans, or inspection of deliverables.
- b. *Conviction*: means a judgment or conviction of a criminal offense by any court of competent jurisdiction, whether entered upon a verdict or a plea, and includes a conviction entered upon a plea of nolo contendere.
- c. *Total value of currently active grants, cooperative agreements, and procurement contracts* includes—
 - 1) Only the federal share of the funding under any federal award with a recipient cost share or match; and
 - 2) The value of all expected funding increments under a federal award and options, even if not yet exercised.

XXIX. Reporting Subawards and Executive Compensation

1. Reporting of first-tier subawards.

- a. *Applicability*. Unless the recipient is exempt as provided in paragraph 4 of this award term, the recipient must report each action that obligates \$25,000 or more in federal funds that does not include Recovery funds (as defined in Section 1512(a)(2) of the *American Recovery and Reinvestment Act of 2009*, [Pub. L. 111-5](#)) for a subaward to an entity (See definitions in paragraph 5 of this award term).
- b. *Where and when to report*.
 - 1) Recipients must report each obligating action described in paragraph 1 of this award term to the [Federal Funding Accountability and Transparency Act Subaward Reporting System](#) (FSRS.)
 - 2) For subaward information, recipients report no later than the end of the month following the month in which the obligation was made. For example, if the obligation was made on November 7, 2016, the obligation must be reported by no later than December 31, 2016.

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- c. *What to report.* The recipient must report the information about each obligating action that the submission instructions posted at <http://www.fsr.gov>.

2. Reporting Total Compensation of Recipient Executives.

- a. *Applicability and what to report.* Recipients must report total compensation for each of the five most highly compensated executives for the preceding completed fiscal year, if—
 - 1) The total federal funding authorized to date under this award is \$25,000 or more;
 - 2) In the preceding fiscal year, recipients received—
 - a) 80 percent or more of recipients' annual gross revenues from federal procurement contracts (and subcontracts) and federal financial assistance subject to the *Federal Funding Accountability and Transparency Act* (Transparency Act), as defined at [2 C.F.R. 170.320](#) (and subawards); and
 - b) \$25,000,000 or more in annual gross revenues from federal procurement contracts (and subcontracts) and federal financial assistance subject to the Transparency Act, as defined at 2 C.F.R. 170.320 (and subawards); and
 - c) The public does not have access to information about the compensation of the executives through periodic reports filed under Section 13(a) or 15(d) of the *Securities Exchange Act of 1934* ([15 U.S.C. 78m\(a\), 78o\(d\)](#)) or Section 6104 of the Internal Revenue Code of 1986. (See the U.S. Security and Exchange Commission total compensation filings at <http://www.sec.gov/answers/excomp.htm>. to determine if the public has access to the compensation information.)
- b. *Where and when to report.* Recipients must report executive total compensation described in paragraph 2.a. of this award term:
 - 1) As part of the recipient's registration profile at <https://www.sam.gov>.
 - 2) By the end of the month following the month in which this award is made, and annually thereafter.

3. Reporting of Total Compensation of Subrecipient Executives.

- a. *Applicability and what to report.* Unless recipients are exempt as provided in paragraph 4. of this award term, for each first-tier subrecipient under this award, recipients shall report the names and total compensation of each of the subrecipient's five most highly compensated executives for the subrecipient's preceding completed fiscal year, if—
 - 1) In the subrecipient's preceding fiscal year, the subrecipient received—
 - a) 80 percent or more of its annual gross revenues from Federal procurement contracts (and subcontracts) and Federal financial assistance subject to the Transparency Act, as defined at 2 C.F.R. 170.320 (and subawards); and

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- b) \$25,000,000 or more in annual gross revenues from Federal procurement contracts (and subcontracts), and federal financial assistance subject to the Transparency Act (and subawards); and
 - c) The public does not have access to information about the compensation of the executives through periodic reports filed under Section 13(a) or 15(d) of the *Securities Exchange Act of 1934* (15 U.S.C. 78m(a), 78o(d)) or Section 6104 of the Internal Revenue Code of 1986. (See the U.S. Security and Exchange Commission total compensation filings at <http://www.sec.gov/answers/execomp.htm>. to determine if the public has access to the compensation information.)
- b. *Where and when to report.* Subrecipients must report subrecipient executive total compensation described in paragraph 3.a. of this award term:
- 1) To the recipient.
 - 2) By the end of the month following the month during which recipients make the subaward. For example, if a subaward is obligated on any date during the month of October of a given year (*i.e.*, between October 1 and 31), subrecipients must report any required compensation information of the subrecipient by November 30 of that year.

4. Exemptions

If, in the previous tax year, recipients had gross income, from all sources, under \$300,000, then recipients are exempt from the requirements to report:

- a. Subawards, and
- b. The total compensation of the five most highly compensated executives of any subrecipient.

5. Definitions For purposes of this award term:

- a. *Entity:* means all of the following, as defined in 2 C.F.R. Part 25:
 - 1) A governmental organization, which is a state, local government, or Indian tribe.
 - 2) A foreign public entity.
 - 3) A domestic or foreign nonprofit organization.
 - 4) A domestic or foreign for-profit organization.
 - 5) A federal agency, but only as a subrecipient under an award or subaward to a non-federal entity.
- b. *Executive:* means officers, managing partners, or any other employees in management positions.
- c. *Subaward:* means a legal instrument to provide support for the performance of any portion of the substantive project or program for which the recipient received this award and that the recipient awards to an eligible subrecipient.

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- 1) The term does not include recipients' procurement of property and services needed to carry out the project or program.
 - 2) A subaward may be provided through any legal agreement, including an agreement that a recipient or a subrecipient considers a contract.
- d. *Subrecipient*: means an entity that:
- 1) Receives a subaward from the recipient under this award; and
 - 2) Is accountable to the recipient for the use of the federal funds provided by the subaward.
- e. *Total compensation*: means the cash and noncash dollar value earned by the executive during the recipient's or subrecipient's preceding fiscal year and includes the following (See [17 C.F.R. § 229.402\(c\)\(2\)](#)):
- 1) *Salary and bonus*.
 - 2) *Awards of stock, stock options, and stock appreciation rights*. Use the dollar amount recognized for financial statement reporting purposes with respect to the fiscal year in accordance with the Statement of Financial Accounting Standards No. 123 (Revised 2004) (FAS 123R), Shared Based Payments.
 - 3) *Earnings for services under non-equity incentive plans*. This does not include group life, health, hospitalization or medical reimbursement plans that do not discriminate in favor of executives and are available generally to all salaried employees.
 - 4) *Change in pension value*. This is the change in present value of defined benefit and actuarial pension plans.
 - 5) *Above-market earnings on deferred compensation which is not tax-qualified*.
 - 6) *Other compensation*, if the aggregate value of all such other compensation (e.g. severance, termination payments, value of life insurance paid on behalf of the employee, perquisites or property) for the executive exceeds \$10,000.

XXX. SAFECOM

Recipients receiving federal financial assistance awards made under programs that provide emergency communication equipment and its related activities must comply with the [SAFECOM](#) Guidance for Emergency Communication Grants, including provisions on technical standards that ensure and enhance interoperable communications.

XXXI. Terrorist Financing

Recipients must comply with [E.O. 13224](#) and U.S. laws that prohibit transactions with, and the provisions of resources and support to, individuals and organizations associated with terrorism. Recipients are legally responsible to ensure compliance with the Order and laws.

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XXXII. Trafficking Victims Protection Act of 2000 (TVPA)

Trafficking in Persons.

1. Provisions applicable to a recipient that is a private entity.

- a. Recipients, the employees, subrecipients under this award, and subrecipients' employees may not—
 - 1) Engage in severe forms of trafficking in persons during the period the award is in effect.
 - 2) Procure a commercial sex act during the period that the award is in effect.
 - 3) Use forced labor in the performance of the award or subawards under the award.
- b. DHS may unilaterally terminate this award, without penalty, if a recipient or a subrecipient that is a private entity—
 - 1) Is determined to have violated a prohibition in paragraph 1.a of this award term; or
 - 2) Has an employee who is determined by the agency official authorized to terminate the award to have violated a prohibition in paragraph 1.a of this award term through conduct that is either—
 - a) Associated with performance under this award; or
 - b) Imputed to recipients or subrecipients using the standards and due process for imputing the conduct of an individual to an organization that are provided in [2 C.F.R. Part 180](#), “OMB Guidelines to Agencies on Government-wide Debarment and Suspension (Nonprocurement),” as implemented by our agency at 2 C.F.R. Part 3000.

2. Provision applicable to recipients other than a private entity.

DHS may unilaterally terminate this award, without penalty, if a subrecipient that is a private entity—

- a. Is determined to have violated an applicable prohibition in paragraph 1.a of this award term; or
- b. Has an employee who is determined by the agency official authorized to terminate the award to have violated an applicable prohibition in paragraph 1.a of this award term through conduct that is either—
 - 1) Associated with performance under this award; or
 - 2) Imputed to the subrecipient using the standards and due process for imputing the conduct of an individual to an organization that are provided in 2 C.F.R. Part 180, “OMB Guidelines to Agencies on Government-wide Debarment and Suspension (Nonprocurement),” as implemented by our agency at 2 C.F.R. Part 3000.

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3. Provisions applicable to any recipient.

- a. Recipients must inform DHS immediately of any information received from any source alleging a violation of a prohibition in paragraph 1.a of this award term.
- b. It is DHS's right to terminate unilaterally that is described in paragraph 1.b or 2 of this section:
 - 1) Implements TVPA, Section 106(g) as amended by 22 U.S.C. 7104(g)), and
 - 2) Is in addition to all other remedies for noncompliance that are available to us under this award.
- c. Recipients must include the requirements of paragraph 1.a of this award term in any subaward made to a private entity.

4. Definitions. For the purposes of this award term:

- a. *Employee*: means either:
 - 1) An individual employed by a recipient or a subrecipient who is engaged in the performance of the project or program under this award; or
 - 2) Another person engaged in the performance of the project or program under this award and not compensated by the recipient including, but not limited to, a volunteer or individual whose services are contributed by a third party as an in-kind contribution toward cost sharing or matching requirements
- b. *Forced labor*: means labor obtained by any of the following methods: the recruitment, harboring, transportation, provision, or obtaining of a person for labor or services, through the use of force, fraud, or coercion for the purpose of subjection to involuntary servitude, peonage, debt bondage, or slavery.
- c. *Private entity*: means any entity other than a state, local government, Indian tribe, or foreign public entity, as those terms are defined in 2 C.F.R. § 175.25. It includes:
 - 1) A nonprofit organization, including any nonprofit institution of higher education, hospital, or tribal organization other than one included in the definition of Indian tribe at 2 C.F.R. § 175.25(b).
 - 2) A for-profit organization.
- d. *Severe forms of trafficking in persons, commercial sex act, and coercion* are defined in [TVPA, Section 103](#), as amended in 22 U.S.C. § 7102.

XXXIII. Universal Identifier and System of Award Management

1. Requirement for System for Award Management

Unless the recipient is exempted from this requirement under 2 C.F.R. § 25.110, the recipient must maintain the currency of their information in the SAM until the recipient submits the final financial report required under this award or receive the final payment, whichever is later. This requires that the recipient review and update the information at least annually after the initial registration, and more frequently if required by changes in the recipient's information or

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another award term.

2. Requirement for unique entity identifier

If recipients are authorized to make subawards under this award, they:

- a. Must notify potential subrecipients that no entity (see definition in paragraph 3 of this award term) may receive a subaward from the recipient unless the entity has provided its unique entity identifier to the recipient.
- b. May not make a subaward to an entity unless the entity has provided its unique entity identifier to the recipient.

3. Definitions

For purposes of this award term:

- a. *System for Award Management (SAM)*: means the federal repository into which an entity must provide information required for the conduct of business as a recipient. Additional information about registration procedures may be found on [SAM.gov](https://sam.gov).
- b. *Unique Entity Identifier (UEI)*: means the identifier required for SAM registration to uniquely identify business entities.
- c. *Entity*: means all of the following, as defined at 2 C.F.R. Part 25, Subpart C:
 - 1) A governmental organization, which is a state, local government, or Indian Tribe;
 - 2) A foreign public entity;
 - 3) A domestic or foreign nonprofit organization;
 - 4) A domestic or foreign for-profit organization; and
 - 5) A federal agency, but only as a subrecipient under an award or subaward to a non-federal entity.
- d. *Subaward*: means a legal instrument to provide support for the performance of any portion of the substantive project or program for which a recipient received this award and that the recipient awards to an eligible subrecipient.
 - 1) The term does not include the recipient's procurement of property and services needed to carry out the project or program. (See 2 C.F.R. § 200.330.)
 - 2) A subaward may be provided through any legal agreement, including an agreement that a recipient considers a contract.
- e. *Subrecipient* means an entity that:
 - 1) Receives a subaward from the recipient under this award; and
 - 2) Is accountable to the recipient for the use of the federal funds provided by the subaward.

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XXXIV. USA PATRIOT Act of 2001

Recipients must comply with requirements of Section 817 of the [Uniting and Strengthening America by Providing Appropriate Tools Required to Intercept and Obstruct Terrorism Act of 2001 \(USA PATRIOT Act\)](#), which amends 18 U.S.C. §§ 175–175c.

XXXV. Use of DHS Seal, Logo and Flags

Recipients must obtain permission from their DHS FAO prior to using the DHS seal(s), logos, crests or reproductions of flags or likenesses of DHS agency officials, including use of the United States Coast Guard seal, logo, crests or reproductions of flags or likenesses of Coast Guard officials.

XXXVI. Whistleblower Protection Act

Recipients must comply with the statutory requirements for whistleblower protections (if applicable) at [10 U.S.C § 2409](#), [41 U.S.C. § 4712](#), and [10 U.S.C. § 2324](#), [41 U.S.C. §§ 4304](#) and [4310](#).