

RESOLUTION NO. 2019- 484

A RESOLUTION AUTHORIZING THE ISSUANCE OF AN AMENDATORY SUPPLEMENTAL CHANGE ORDER NO. 4 TO CONTRACT NO. C18-0086, ISSUED TO ENVIRONMENTAL STRATEGIES & APPLICATIONS, INC., MIDDLESEX, NJ, IN THE AMOUNT OF \$165,272.86.

WHEREAS, the City Council of the City of Vineland, on October 9, 2018, adopted Resolution No. 2018-397, entitled “A RESOLUTION AUTHORIZING AN AGREEMENT FOR PROFESSIONAL SERVICES WITH ENVIRONMENTAL STRATEGIES & APPLICATIONS, INC., MIDDLESEX, NJ, FOR PUBLIC WORKS GROUNDWATER CONTAMINATION REMEDIAL SUPPORT, IN AN AMOUNT NOT TO EXCEED \$305,619.00”; and

WHEREAS, N.J.A.C. 5:30-11.1, et seq., sets forth the requirements for the processing of change orders; and

WHEREAS, the Acting City Engineer has requested that an amendment be made to contract awarded to Environmental Strategies & Applications, Inc., Middlesex, NJ for Public Works Groundwater Contamination Remedial Support, as authorized by Resolution No. 2018-397: said amendment is due to the fact that the condition of the soil and structures under the garage could not be determined until the building was demolished. Once materials could be tested petroleum impacted soil was found as well as contaminated concrete. The Engineering Division directed the contractor to remove the contaminated materials into a certified container, which was hauled to a certified treatment facility.

WHEREAS, the Chief Financial Officer has certified that funds for the amendment requested herein are available; now, therefore,

BE IT RESOLVED by the Council of the City of Vineland as follows:

1. THAT Resolution No. October 9, 2018, adopted Resolution No. Resolution No. 2018-397, entitled “A RESOLUTION AUTHORIZING AN AGREEMENT FOR PROFESSIONAL SERVICES WITH ENVIRONMENTAL STRATEGIES & APPLICATIONS, INC., MIDDLESEX, NJ, FOR PUBLIC WORKS GROUNDWATER CONTAMINATION REMEDIAL SUPPORT, IN AN AMOUNT NOT TO EXCEED \$305,619.00”; be and the same is hereby amended and supplemented to increase maximum amount of the contract by \$165,272.86.

2. THAT the Purchasing Agent be and the same is hereby authorized to issue an amendatory supplemental change order #4 to Contract No. C18-0086, issued to Environmental Strategies & Applications, Inc., Middlesex, NJ, in the amount of \$165,272.86.

Adopted:

President of Council

ATTEST:

City Clerk



November 19, 2019

REPORT

TO: THE MAYOR AND COUNCIL

Amendatory Supplemental Change Order No. 4
Contract No. C18-0086
Public Works Groundwater Contamination Remedial Support
Environmental Strategies & Applications, Inc., Middlesex, NJ

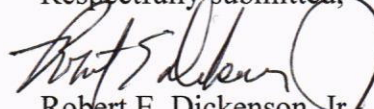
We are requesting that an amendatory supplemental change order be issued to Contract No. C18-0086, issued to Environmental Strategies & Applications, Inc., Middlesex, NJ for Public Works Groundwater Contamination Remedial Support. This contract was authorized by Resolution No. 2018-397, adopted by City Council on October 9, 2018.

The condition of the soil and structures under the garage could not be determined until the building was demolished. Once materials could be tested petroleum impacted soil was found as well as contaminated concrete. The Engineering Division directed the contractor to remove the contaminated materials into a certified container, which was hauled to a certified treatment facility.

The change order requested, in the amount of \$165,272.86, is necessary to complete the garage demolition findings. This change order, plus change order #1 (\$10,800), change order #2 (\$61,405.00) and change order #3 (\$13,655.00), will increase the original contract amount from \$305,619.00 to \$556,751.86.

The amendatory supplemental change order for which authorization is herein requested may be authorized in accordance with N.J.A.C. 5:30-11.1 et seq.

Respectfully submitted,


Robert E. Dickenson, Jr.
Business Administrator

RD/rl
Encl.



REQUEST FOR CHANGE ORDER

FOR:

Public Works Groundwater Contamination Remedial Support

PROJECT NAME

TO: BUSINESS ADMINISTRATION

DEPARTMENT: Engineering FROM: Mike Russo

This is a request for change order # 4 to Contract # C18-0086 for:

Project Name Public Works Groundwater Contamination Remedial Support

Name/Address of

Contractor: Environmental Strategies & Applications, Inc. 495 Union Avenue, Suite 1D, Middlesex, NJ 08846

The change order is necessary because: (use additional pages if necessary to explain your reason and you must attach *documentation to support the necessity of this change order.

*(Documentation from contractor, engineer, etc.)

See attached Change Order Justification

Original Contract Amount:	\$ <u>305,619.00</u>
Amount of this change order:	\$ <u>165,272.86</u>
Previous Change Orders:	\$ <u>85,860.00</u>
Total Revised Amount:	\$ <u>556,751.86</u>

APPROVED BY: David Maillet
Print/type

[Signature]
Signature

NOTE:
CHANGE ORDERS CANNOT EXCEED 20% OF THE ORIGINAL CONTRACT AMOUNT

Please provide the account number that the change order will be charged to:

Account # C0400000175478631

CC: Purchasing Division

(b)

Change Order Justification

CO #4

PROFESSIONAL SERVICES FOR PUBLIC WORKS GROUNDWATER CONTAMINATION REMEDIAL SUPPORT

After the Walnut Road garage was demolished the following features were found under the concrete floor:

- 8' deep former maintenance pit at the back of the garage
- 6' deep former maintenance pit towards the front of the garage
- Former cesspool type structure, approximately 15' deep
- 2 floor drains with associated piping that connected to oil/water separator type pit at the back of the garage.
- Area of concern (AOC) that contained soil that was very dark in color and smelled of raw petroleum.

Petroleum impacted soil was found under the garage location, as well as contaminated concrete in the garage floor. These contaminated features had to be removed due to unknown structures that were found under the garage. The impacted soil & concrete had to be stockpiled on plastic and covered. It was unadvisable to place the contaminated soil back into the excavated areas. Leaving these stockpiled contaminated materials on-site for an extended period of time was also unadvisable.

The Engineering Division directed the contractor to load the materials into a certified container and completely remove these items from the site. All contaminated material had to be hauled to a certified treatment facility.

While our contract with Environmental Strategies & Application, inc. include building demo, asbestos abatement & rodent abatement. Anything under the garage was unknown. Therefore, this change order is necessary to complete the garage demo findings. This change order is for the amount of \$165,272.82.

This represents an increase of 54.1%.



ENVIRONMENTAL CONSULTANTS
Our work is groundbreaking.

ENVIRONMENTAL STRATEGIES & APPLICATIONS, INC.
495 Union Avenue, Suite 1D, Middlesex, NJ 08846

phone: 732.469.8888
fax: 732.369.1120
email: info@askESA.com
web: askESA.com

CHANGE ORDER FORM

CHANGE ORDER #: ^19-2457
PROJECT #: X4081
DATE: 11/01/2019

CLIENT:

Mr. Michael Russo
Assistant City Engineer
640 E. Wood Street
PO Box 1508
Vineland, NJ 08362-1508

PROJECT:

Vineland Department of Public Works
1086 East Walnut Road
City of Vineland
Cumberland County, NJ 08362-1508

Dear Mr. Russo:

Environmental Strategies and Applications, Inc. (ESA) respectfully submits this Change Order (CO) Scope of Work (SOW) to the City of Vineland (CLIENT) for the Out-of-Scope (OOS) activities and services conducted during the investigation and remediation of the former maintenance garage building, and newly identified Areas of Concern (AOCs) located at the Department of Public Works (DPW) Site. All work was completed by 40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) trained personnel as per State and Federal regulations and via ESA's and CLIENT's existing Professional Services Agreement and CLIENT Contract #18-006560.

BACKGROUND

In September 2019, ESA mobilized to the Site to conduct demolition of the former maintenance garage and to investigate subsurface soil conditions below and proximate to the former garage. Subsurface soil investigation activities were conducted to evaluate potential environmental impacts resulting from former waste handling and disposal practices associated with the historic garage operations. Following removal of the garage concrete slab and concrete footings, ESA began the subsurface soil investigation activities on September 30, 2019, which was approved under ESA's professional services contract and estimated to take two (2) field days to complete. During the investigation, numerous unknown and previously unforeseen conditions were encountered that warranted investigation and limited remediation, where practical. This resulted in OOS professional environmental services being conducted for a total of eleven (11) field days between October 2nd and October 30th, 2019. Prior to proceeding, ESA obtained verbal approval from CLIENT and executed a Field Change Scope of Work Form to conduct the OOS work activities presented herein.

During the garage subsurface investigation, ESA encountered a former floor drain and waste stream system, abandoned septic features, and abandoned equipment service pits that warranted investigation as new AOCs. To evaluate these features, exploratory trenching and soil excavation was conducted while ESA field screened soil to evaluate for potential petroleum-related impacts. ESA collected site investigation soil samples that confirmed impacts to soil above applicable New Jersey Department of Environmental Protection (NJDEP) Soil Remediation Standards (SRS) were present and had the potential to impact groundwater quality at the Site. The laboratory analysis confirmed unknown petroleum impacts to soil were identified at concentrations between Residential Direct Contact Soil Remediation Standard (RDCSR) of 5,100 milligrams per kilogram (mg/kg) and the Non-Residential Direct Contact Soil Remediation Standard (NRDCSR) of 54,000 mg/kg for Extractable Petroleum Hydrocarbons. As a result, various contingent laboratory analysis (VOCs, SVOCs, PCBs, Metals, etc.) were run on select soil samples to meet NJDEP requirements for Site and Remedial Investigation. Due to the confirmed release

The following OOS services were provided associated with the former garage AOC and the previously unknown petroleum-impacted soil identified at the Site.

DESCRIPTION OF CHANGE(S) / OUT-OF-SCOPE SERVICES PROVIDED:

Task 1: Project Management & Regulatory Coordination & Compliance

Task 1 includes project management and coordination for execution of the Site Investigation (SI) of soil and hot-spot remediation of petroleum impacted soil identified in the garage subsurface including investigation and evaluation of the former garage waste flow features and AOCs. The SOW includes activities required to satisfy NJDEP regulatory compliance requirements including NJDEP Confirmed Discharge Notification, conduct soil delineation of hot-spot areas (were warranted), coordination with Client, subcontractors, and laboratories; development soil remediation plans; waste characterization (soil & concrete) disposal approval coordination; internal planning meetings; on-Site scope development meetings, scheduling, Licensed Site Remediation Professional (LSRP) planning and coordination, and project administration.

Task 2: Garage Area of Concern Investigation and Remediation Services

ESA provided the following OOS fieldwork and management services associated with the former garage and newly identified subsurface AOCs:

- Provide labor and equipment for seven (7) days of investigative soil trenching and hot-spot remedial excavation and disposal of petroleum-impacted soil;
- Provide LSRP and project management direction, field oversight and soil sampling services during soil trenching activities to investigate, characterize, log and screen soil in the identified AOCs for EPH and volatile organics with a calibrated Photo Ionization Detector (PID);
- Field screen and segregate clean overburden soil for reuse on-Site;
- Excavate, segregate & stockpile petroleum impacted soil for transportation and off-site disposal;
- Import and backfill former garage AOC soil remedial excavation areas with a total of 202.14 tons of NJDEP-certified clean fill material;
- Segregate and stockpile petroleum impacted concrete (generated from slab removal and investigative trenching) for transportation and off-site disposal;
- Collect waste characterization soil samples for disposal approval and manage & schedule impacted soil disposal at NJDEP-licensed facility;
- Load, transport and dispose of a total of 441.22 tons of petroleum impacted soil over two (2) field days;
- Load, transport and dispose of a total of 88.12 tons of petroleum impacted concrete;
- Field locate and mark-out former garage waste stream drainage features extending beyond the former garage footprint (Oil/Water separator conduits and discharge) via ground penetrating radar (GPR) equipment;
- Conduct hot-spot soil delineation sampling activities via GeoProbe® over one (1) field day; and,
- Collect soil samples and submit to certified laboratory for various chemicals of concern analysis per NJDEP regulations for Site and Remedial Investigation of contaminated AOCs.

Task 3: Data Evaluation/Remedial Action Planning & Reporting

ESA has managed, processed and is evaluating all new laboratory analytical data and will prepare analytical summary data tables and figures compared to current NJDEP regulatory standards for evaluation and remedial planning purposes. ESA will evaluate the findings to determine if NJDEP requirements for delineation of environmental media and soil remediation have been met. The analytical results and investigative field findings will be presented in a future combined Site Investigation/Remedial Investigation and Remedial Action Report submittal prepared per the Site LSRP and NJDEP requirements. Any AOCs associated with the former garage that

ESA Change Order X4081 CO^2457
Vineland Department of Public Works

1086 East Walnut Road
City of Vineland

require additional remediation will be incorporated into the pending remedial action work plan and bid specification being prepared by ESA. Additionally, NJDEP regulatory notification will be completed for the newly identified soil contamination and NJDEP incident # associated with the former garage AOC.

PRICE:

ESA's estimated Time and Materials price to complete services provided under this scope of work are as follows:

• Task 1: Project Management:	\$10,010.00
• Task 2: Garage Area of Concern Investigation and Remediation Services	
- Investigative Trenching/Remedial Excavation Activities:	\$46,306.98
- Soil Sample Laboratory Fees:	\$19,459.83
- Geophysical Survey Activities:	\$1,957.40
- Backfilling/Restoration:	\$13,990.77
- Impacted Soil Transportation & Disposal:	\$37,462.99
- Impacted Concrete Transportation & Disposal:	\$12,838.89
- Hot-spot Soil Delineation Activities:	
- Field/Sampling Services	\$8,576.40
- Soil Sample Laboratory Fees:	\$4,919.60
• Task 3: Data Evaluation/Remedial Planning & Reporting:	<u>\$9,750.00</u>
Total Estimated Price:	<u>\$165,272.86</u>

Please note, this SOW CO is written on a Time & Materials basis for professional services conducted during normal business hours Monday through Friday. CLIENT will only be invoiced for those expenses and charges incurred by ESA. All work activities have been conducted under the previously approved ESA Standard Terms & Conditions for project # X4081 and CLIENT contract # 18-006560.

Change Order #19-2457 Acceptance

ESA appreciates the opportunity to provide these professional services to CLIENT. ESA requests CO approval, pending invoice approval & processing via the existing X4081 project budget established under CLIENT contract #18-006560. Kindly return an executed copy of this CO to the undersigned as approval. All work included herein has and will be performed under the previously executed Terms and Conditions as specified in the original Professional Services contract, unless otherwise stipulated. If you have any questions, please feel free to contact me at (732) 469-8888 or adaher@askesa.com.

WE AGREE to the change(s) specified above to be completed at the additional cost of: \$165,272.86



ESA Authorized Signature

11/01/2019

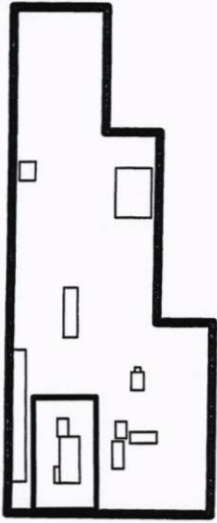
Date

ACCEPTANCE: The above prices and specifications of this CHANGE ORDER are satisfactory and are hereby accepted. All work will be performed under the same terms and conditions as specified in the original contract unless otherwise stipulated.

CLIENT Authorized Signature

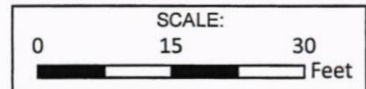
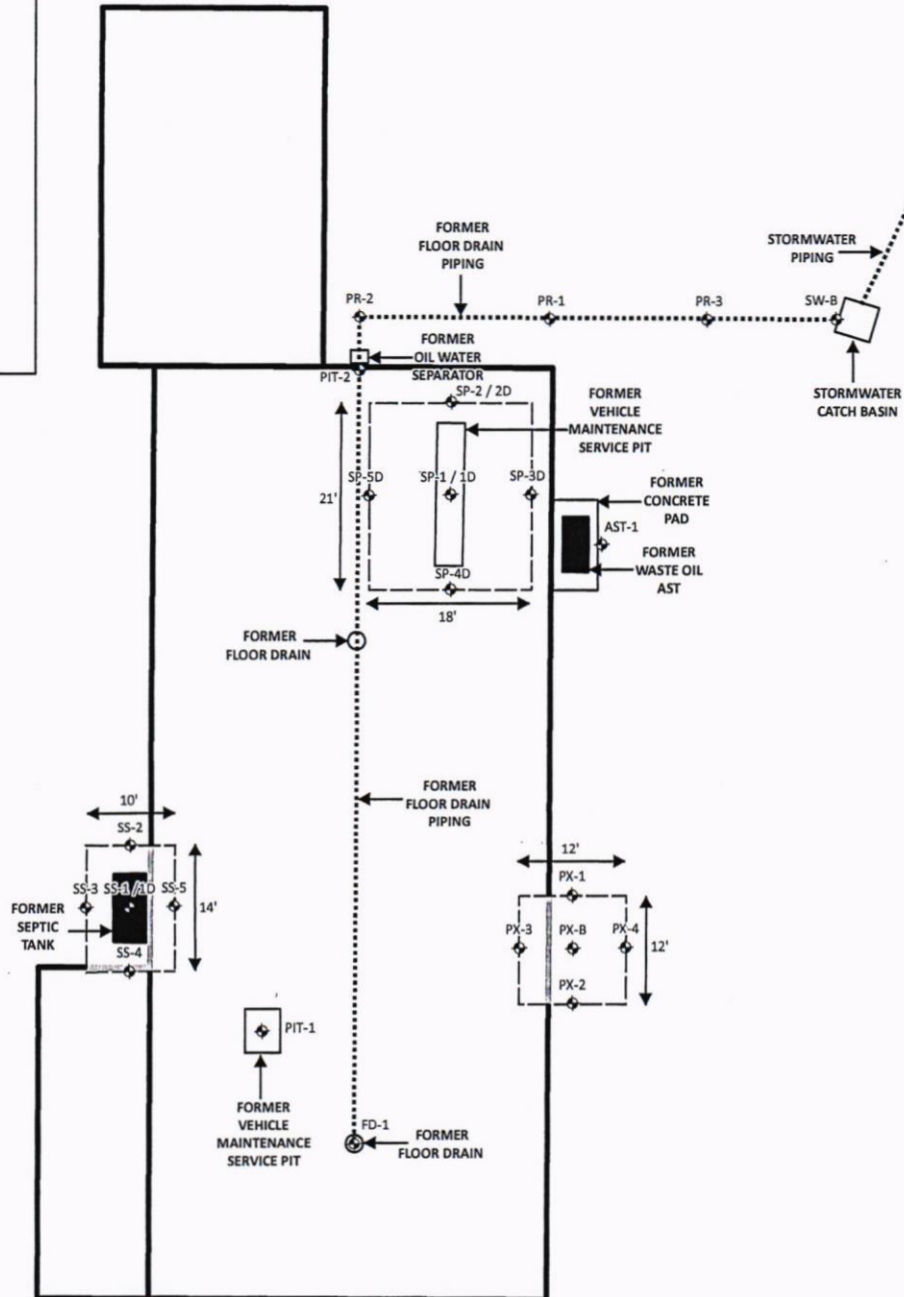
Date

KEY MAP



AREA OF DETAIL

DRAFT



LEGEND

- SITE BOUNDARIES
- UNDERGROUND PIPING
- FORMER BUILDINGS
- SOIL SAMPLES
- FORMER TANKS
- SITE FEATURES
- EXCAVATION EXTENT



ENVIRONMENTAL STRATEGIES & APPLICATIONS, INC.

495 UNION AVENUE, SUITE 1D
MIDDLESEX, NEW JERSEY 08846

TITLE: **SUBSLUB INVESTIGATION SAMPLE LOCATION AND RESULTS FIGURE**

SITE: 1086 EAST WALNUT ROAD, BLOCK 5007, LOT 56
CITY OF VINELAND, CUMBERLAND COUNTY, NEW JERSEY 08360

DRAWN: ZL	SCALE: 1 in = 15 ft	DATE: 10/29/2019	PROJECT: X4081	FIGURE: -
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