CITY OF VINELAND
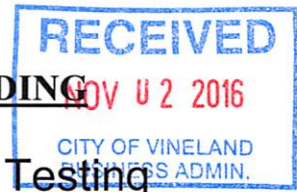## DEPARTMENTAL REQUEST FOR PUBLIC BIDDING

1. NATURE OF REQUEST: **2017 Landfill MW & Methane Testing**

2. ENGINEER'S ESTIMATE: $ **20,000.00**
(If Engineer's Estimate has been prepared by anyone other than the person signing this form, please attach a copy of said Engineer's Estimate.)

3. AMOUNT BUDGETED FOR THIS REQUESTED ITEM: $ **20,000.00**

4. BUDGETED ITEM: YES ✓   NO ☐
(If no, is it an ordinance authorized material, service or supply?)

YES ☐   NO ☐   ORDINANCE NO.: **89-16**

(B) Please identify the page number and line item appropriation sub-account:

Budget Page No. _____   Account No. **021-0-00-0000-2-551041**

5. Check here if:

Federal Funds ☐   State Funds ☐

UEZ Funds ☐   Davis Bacon Requirements ☐

(If any of the above are checked, the project must be monitored by the department for compliance with prevailing wage rate policy and procedures.)

6. Date to be Advertised: **November 22, 2016**

7. Date to be Received: **December 13, 2016**

8. Date to be Awarded: **January 10, 2017**

9. Special Conditions or Instructions: _____

_____

10. The following must be attached:

Summary of Project ✓

Specifications ✓

Plans (if applicable) ☐

Bidders Mailing List (with emails of the vendor) ✓

11. Specifications Prepared by: **Mike Russo, Assistant Engineer, Civil**
(NAME, TITLE AND EXTENSION NUMBER)

12. Approved by: _____
SIGNATURE (DIRECTOR, DEPARTMENT HEAD, SUPERVISOR)

Send copies to:
Purchasing Department
Business Administration

PROJECT SUMMARY
2017 MONITORING WELL GROUNDWATER SAMPLING & TESTING
2017 PERIMETER VENT METHANE GAS MONITORING
CITY PROJECT #17-006
VINELAND CLOSED LANDFILL
1271 SOUTH MILL ROAD
N.E. CORNER OF S. MILL ROAD AND ELM ROAD

The New Jersey Department of Environmental Protection (NJDEP) requires the City of Vineland to perform groundwater sampling and testing for the above referenced property in accordance with the site's New Jersey Pollutant Discharge Elimination System (NJPDES) Permit #NJ0050318, dated December 3, 1991 (hereafter, PERMIT).

This involves annual and quarterly groundwater testing on nine (9) existing monitoring wells, as well as quarterly methane gas monitoring on 49 existing perimeter vents using a method that is acceptable by the New Jersey Department of Environmental Protection (NJDEP), all in accordance with requirements of the PERMIT. Additionally, all reports required to be submitted to NJDEP shall be prepared and submitted to NJDEP.

All samples to be drawn by contractor. Results to be submitted in writing on NJDEP approved forms in accordance with all current state requirements and requirements of the PERMIT.

All analysis performed shall conform to NJDEP requirements.

The contractor shall conduct four (4) quarterly groundwater sampling events on the subject property in accordance with the PERMIT. During each groundwater monitoring event, groundwater samples shall be collected from monitoring wells using low flow sampling techniques in accordance with the New Jersey Department of Environmental Protection (NJDEP) *Field Sampling Procedures Manual.*

Groundwater samples shall be collected using a submersible pump with variable speed controller. The submersible pump shall be decontaminated before sampling or purging each site well. The pump intake will be set at the center of the screened interval. The pump discharge rate will be adjusted to minimize well-head draw-down and not exceed 0.5 liters per minute. During purging, field readings for PH, temperature, conductivity, oxidation/reduction potential, and dissolved oxygen shall be recorded for each well.
Upon stabilization of the field readings, groundwater samples shall be collected, containerized in laboratory prepared glassware with appropriate sample preservative, placed into a cooler with ice, and transported under chain of custody to a New Jersey certified laboratory for analysis. The analytical parameters and sampling are summarized in the lists below.

Semiannual groundwater sampling shall be collected during the first and third quarterly sampling and shall be reported with the corresponding quarterly sampling report.