

INVITATION TO BID



NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS

Bid Title: Water Quality Monitoring Services, Nassau County Landfills	
Bid Number: NC09-026	
Requesting Department: Solid Waste	Bid Contact: Dawn Krass, Contract Specialist
Contact Address 96135 Nassau Place, Suite 6 Yulee, Florida 32097	Contact Information 904-491-7377 Email: dkrass@nassaucountyfl.com 904-321-2658 (Fax)
Bid Due Date or Closing Date/Time: August 27, 2009 at 2:00 p.m.	Bid Opening Date/Time: August 27, 2009 at 2:05 p.m.
Location to Deliver Bid John A. Crawford, Ex-Officio Clerk, Nassau County Judicial Annex, 76347 Veterans Way, Yulee, FL 32097	

In accordance with the intent and content of this Invitation to Bid (ITB), we the undersigned do hereby offer to perform as stipulated in this response. Failure to do so may result in the forfeiting of bid security, removal from the County's bidder list, or other remedies available to the County under the laws of the State of Florida.

Legal Name of Bidder:		
Business Address		
Phone Number	Fax Number	E-Mail Address:
Nassau County Occupational License Number:		
Contractor's Florida License Number (as applicable):		
Authorized Signature (manual)		Date:
Printed Signature:		Title:

General Instructions/Declarations

1. Bids will be opened and publicly read aloud by a representative of the Clerk's Office in the Clerk's Conference Room (76347 Veterans Way, Yulee, FL 32097) on the appropriate date and time as shown above. All bid openings are open to the public. Interested parties are welcomed to attend the bid openings.
2. Bids must be SUBMITTED ON THE FORM FURNISHED BY THE COUNTY and in accordance with specifications and list of quantities desired.
3. Page One must be completed and submitted as the top sheet of your bid response.
4. It is the intent and purpose of Nassau County that this Invitation to Bid promotes competitive bidding. It shall be the bidder's responsibility to advise the Contract Management Office at the address noted above, if any language, requirements, etc., or any combination thereof, inadvertently restricts or limits the requirements stated in this Invitation to Bid to a single source. Such notification must be submitted in writing and must be received by the Contract Management Office not later than seven (7) calendar days prior to the bid closing date.
5. **THE MANDATORY PRE-BID MEETING WILL BE HELD ON AUGUST 13, 2009 AT 10:00 AM.**

LIST OF ACRONYMS

CONTRACTOR	Prime Firm
FAC	Florida Administrative Code
FDEP	Florida Department of Environmental Protection
HASP	Health and Safety Plan
MDL	Method Detection Limit
NCBCC	Nassau County Board of County Commissioners
NCSWM	Nassau County Solid Waste Management
NELAP	National Environmental Laboratory Accreditation Program
NGVD	National Geodetic Vertical Datum
NPDES	National Pollutant Discharge Elimination System

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SECTION A INSTRUCTIONS TO BIDDER

- A1. Bidders are expected to examine this bid form, attached drawings, specifications, if any, and all instructions. Failure to do so will be at the Bidder's risk.
- A2. All prices and notations must be in ink or typewritten. No erasure permitted. Mistakes may be crossed out and corrections typed adjacent and must be initialed and dated in ink by person signing bid. All bids must be signed with the firm name and by a responsible officer or employee. Obligations assumed by such signature must be fulfilled.
- A3. **Definitions:** The term "County" means the Nassau County Board of County Commissioners, a political subdivision of the State of Florida, and its authorized designees, agents or employees.
- A4. **Bid Price Sheet:** Each bidder shall furnish the information required on the Bid Price Sheet, Attachment "B", and each accompanying sheet thereof on which he makes an entry. Offers submitted on any other format may be disqualified.
- A5. **Bid Submittal:** All bids must be submitted in a sealed envelope, plainly marked on the outside with the invitation to bid name, bid number, date and time of opening, vendor's name and return address.
- A6. Submit your bid as follows: One (1) original and three (3) copies must be submitted. Include the bid cover page, and bid section on which the instructions require return with the bid, any page where the bidder has taken exception(s), the duly designated "Bid Price Sheet", and any supporting documentation or literature being submitted in support of your bid.
- A7. It is the bidder's responsibility to assure that Bids are received in the office of John A. Crawford, Ex-Officio Clerk, 76347 Veterans Way, Yulee, Florida 32097, on or before the date and time specified on page one of this Invitation to Bid. No electronic or facsimile bids will be considered. Bids received after the date and time specified will be rejected and returned unopened.

If forwarded by mail, the sealed envelope containing the bid must be enclosed in another envelope addressed to Nassau County Board of County Commissioners, c/o John A. Crawford, Ex-Officio Clerk, 76347 Veterans Way, Yulee, Florida 32097.

- A8. Bids will be publicly opened at the office of the Clerk on the date and time specified on page one of this Invitation to Bid at the Nassau County Judicial Annex, 76347 Veterans Way, Yulee, Florida.
- A9. **Bid Withdrawal:** Bids may not be withdrawn for a period of ninety (90) days after the bid opening date. However, bids may be withdrawn anytime before the bid opening. A bidder may withdraw their bid without prejudice to themselves, not later than the day and hour set for opening the bids, by communicating their purpose in writing to the County and their bid will be returned to them unopened.
- A10. Bidders' attention is specifically called to the terms and conditions of this solicitation. Bidders without exception will be solely responsible for all aspects of the terms, conditions and special provisions of this solicitation.
- A11. **Unit Price Accuracy:** Please check your unit prices before submitting your bid, as no change in prices will be allowed after the bid opening. In cases of the extended price irregularities, unit pricing will prevail. Please note that the County reserves the right to clarify and correct blatant unit price or extended amount errors.
- A12. **Proper Signatures:** Failure to sign the Bidder Declaration/Acknowledgement may result in a disqualification of your bid. Please be sure your bid is signed.

- A13. Limitations on Liability:** Bidders are advised that the County will not accept limitations on liability. The successful Bidder will be fully liable for all damages and events caused by them without any limitations as to dollar amount. The County will pursue liable Bidders to the extent allowed by law. Any bid received that limits liability to the amount of the bid or the resulting contract will be considered unresponsive and the bidder non-responsible and as such, the bid will not be accepted by the County.
- A14. Questions:** Questions relative to interpretation of specifications or any aspect of the solicitation process shall be received through written, email or fax inquiries directed to the contact name listed on page one no later than seven (7) calendar days prior to the bid closing date. Questions of sufficient general interest will be formatted by the Contract Management Office and issued to all interested parties in the form of an addendum. Oral answers by any member of the requesting department will not be authoritative and the County will not entertain any protests based on a verbal instruction.
- A15.** It will be the responsibility of the bidder to contact the County prior to submitting a bid to ascertain if any addenda have been issued, to obtain all such addenda, and to return executed addenda acknowledgement with their bid. The County will not consider requests to reopen a bid as a result of the failure of the bidder to secure addenda.
- A16.** Bidders are requested to refrain from contacting the requesting/evaluating Departments or Divisions during the bid process. **ANY QUESTIONS FROM BIDDERS OR EVALUATING DEPARTMENTS/DIVISIONS MUST BE ADDRESSED TO THE CONTRACT MANAGEMENT OFFICE.**
- A17. Bid Check List:** Bidders are cautioned to please check their bid very carefully, using the following check list of forms to be submitted:
- _____ Invitation to Bid cover page signed
 - _____ Bid Price Sheet (Attachment "B")
 - _____ Addendum Acknowledgement (Attachment "D")
 - _____ Public Entity Crimes Sworn Statement (Attachment "E"), signed and notarized
 - _____ Experience of Bidder (Attachment "F")
 - _____ Proof of current Insurance Certificate
- A18. Pre-Bid Meeting:** The Pre-Bid Meeting will be held on Thursday, August 13, 2009 at 10:00 am at the West Nassau Landfill, 43026 Landfill Road, Callahan, Florida 32011
- A19. Bid Schedule:** The table below shows the proposed schedule for the selection process for this Invitation to Bid.

Date	Description
July 29, 2009	Invitation to Bid Broadcast
August 13, 2009	Pre-Bid Meeting at 10:00 a.m.
August 27, 2009	Bids Due at 2:00 p.m.
September 28, 2009	Tentative Recommendation to Board and Award
December 2009	First Sampling Event

SECTION B GENERAL PROVISIONS

- B1. Terms and Conditions:** Bidder proposes and agrees, if this bid is accepted, to enter into a Contract with Nassau County Board of County Commissioners, to perform and furnish all goods and services specified or indicated in the Contract Documents for the agreed price and within the agreed time indicated in this Bid, and in accordance with the other terms and condition of the Contract Documents and Instructions to Bidders made a binding part of this bid. A SAMPLE Agreement, attached hereto as Exhibit "1" and made a part hereof, shall be used as a basis for negotiation and the County reserves the right to change, revise or modify this Agreement in its entirety or any part thereof prior to obtaining execution by all parties. The successful bidder(s) shall execute and return to the County within ten (10) days after receipt all contractual documents, performance and payment bonds (if applicable), insurance certificates and any other documents, required by this bid. No Agreement shall be considered binding upon the County until it has been properly executed by all parties. In conjunction with the Agreement, a purchase order will be issued by the County prior to the start of any order, project, service or work by the vendor.
- B2. Independent Pricing:** By submission of this bid, the bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, that in connection with this procurement:
- (a) The prices in this bid have been arrived at independently, without consultation, communication, collusion or agreement for the purpose of restricting competition, as to any matter relating to such prices with any other offeror or with any competitor.
 - (b) Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly to any offeror or to any competitor; and
 - (c) No attempt has been made or will be made by the bidder to induce any other person or firm to submit or not to submit a bid for the purpose of restricting competition.
- B3. Conflict of Interest:** All offerors must disclose with their offer the name of any officer, director, or agent who is also an officer or employee of Nassau County. Further, all bidders must disclose the name of any Nassau County officer, or employee who owns, directly or indirectly an interest of ten (10%) percent or more of the bidder's firm or any of its branches. Failure to disclose in this manner will result in disqualification of your bid or cancellation of work. The County will seek damages for recoupment of losses in having to re-bid or re-assign.
- B4. Additional Terms and Conditions:** No additional terms and conditions included with the bid response shall be evaluated or considered and any and all such additional terms and conditions shall have no force and effect and are inapplicable to this bid. If submitted either purposely through intent or design or inadvertently appearing separately in transmitting letters, specifications, literature, price lists, or warranties it is understood and agreed the general and special conditions in this solicitation and contract documents are the only conditions applicable to this bid and the bidders authorized affixed to the bid signature section attests to this.
- B5. Bid as Public Domain:** All documents and other material made or received in conjunction with this bid will be subject to public disclosure requirement of Chapter 119, Florida Statutes. Sealed bids or proposals received pursuant to invitations to bid or requests for proposals are exempt from s. 119.07(1) and s. 24(a), Art. I of the State Constitution until such time as the agency provides notice of a decision or intended decision pursuant to s. 120.57(3)(a) or within 10 days after bid or proposal opening, whichever is earlier.

- B6. Public Entities Crimes:** A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, Florida Statutes, for CATEGORY TWO for a period of thirty six (36) months from the date of being placed on the convicted vendor list. The sworn statement form for Public Entities Crimes under section 287.133(3)(a), Florida Statutes, Attachment "E", must be submitted with the bid.
- B7. Debarred Vendors:** The County reserves the right to withhold award, rescind award or forego award to any vendor or contractor who is found to have been debarred from doing business with the State of Florida or any other public entity. It shall be County's sole determination as to the desirability of contracting with a contractor or vendor who has been barred from doing business with any public entity.
- B8. Equal Opportunity:** Nassau County recognizes fair and open competition as a basic tenet of public procurement and encourages participation by minority and women owned business enterprises.
- B9. Other Entity Use:** All Bidders/Proposer submitting a response to this Invitation to Bid agree that such response also constitutes a bid to all governmental agencies, under the same conditions, for the same contract price, and for the same effective period as this bid, should the Bidder feel it is in their best interest to do so.

Each governmental agency desiring to accept these bids, and makes an award thereof, shall do so independently of any other governmental agency. Each agency shall be responsible for its own purchases and each shall be liable only for materials and/or services ordered and received by it, and no agency assumes any liability by virtue of this bid/proposal.

This agreement in no way restricts or interferes with the right of any governmental agency to re-bid any or all items.

SECTION C. SPECIAL PROVISIONS

- C1. Minimum Standard:** Specifications listed herein describe the expected minimum standard. These specifications are intended to be descriptive in nature and are not intended to eliminate any vendor from submitting a bid.
- C2. Manufacturer's Names and Approved Equivalents:** Any manufacturer's names, trade names or brand names are for information only and are not intended to limit completion. The bidder may offer any brand for which they are an authorized representative that meets or exceeds the specification for any item(s). If bids/proposals are based on equivalent products, indication should be made on the bid/proposal form of the manufacturer's name and number. Bidders shall submit with their bid/proposal, cuts, sketches, descriptive literature and/or complete specifications. Reference to literature submitted with a previous bid will not satisfy this provision. The bidder shall also explain in detail the reason(s) why the proposed equivalent will meet the specification(s) and not be considered an exception thereto. Bids/proposals lacking any written indication of intent to bid an alternate brand will be received and considered in complete compliance with the specifications as listed on the bid form. The User Department shall be notified of any proposed changes in the following: (a) materials used; (b) manufacturing process; and (c) construction.
- C3. Pre-award Inspection:** The County reserves the right to make a pre-award inspection of the bidder's facilities, to determine the capabilities of the bidder to service the County, prior to award of any agreement.
- C4. Existing Permits and Identification Numbers:** Any and all permits, state licenses and/or Department of Environmental Protection identification numbers are to be available for review upon request.
- C5. Experience of Bidder:** Bidder must be a provider currently doing business with the general public, currently servicing a minimum of three (3) commercial accounts equal in size and scope to this bid and be properly licensed to do business in the State of Florida. Bidder, under their current business name, must also have a minimum of five (5) consecutive years of verifiable experience servicing commercial accounts equal in size and scope to this project. Bidder must complete the Experience of Bidder form, Attachment "E", and return with bid.
- C6. Additional Information:** Nassau County reserves the right to request any additional information needed for clarification from any bidder/proposer for evaluation purposes.
- C7. Attachments/Exhibits:** All attachments and exhibits are made an essential part of this bid.

Attachment A – Technical Specifications/Scope of Services

Attachment B – Bid Price Sheet

Attachment C - Statement of No Bid

Attachment D - Addenda Acknowledgement

Attachment E – Public Entities Crimes

Attachment F - Experience of Bidder-Contractor

Attachment F-1 – Experience of Bidder – Laboratory

Attachment F-2 – Experience of Bidder - Subcontractor

Exhibit 1 – Sample Agreement

Exhibit 2 - West Nassau Landfill Monitoring Information

Exhibit 3 – Lofton Creek Landfill/Meadowfield Bluff Subdivision Monitoring Information

Exhibit 4 – Bryceville Landfill Monitoring Information

If you choose not to bid on this Invitation to Bid, please complete and return Attachment "C" prior to the bid opening.

Insurance Requirements must be provided by the successful bidder as required.

SECTION D AWARD OR REJECTION OF BIDS

- D1. Split Award:** Nassau County reserves the right to make award to one vendor, to split the award between vendors, or to not award some or all items, depending on the best interest of the County. The County may accept any item or group of items on any bid unless the offeror qualifies his bid by specific limitations.
- D2. Right to Reject:** The County reserves the right to reject any or all bids, with or without cause, without recourse, to waive technicalities or to accept the bid which in its judgment best serves the interest of the County. Cost of submittal of this bid is considered an operational cost of the bidder and shall not be passed on to or borne by the County. Nassau County also reserves the right to reject the bid of a bidder who has previously failed to perform properly or complete on time contracts of a similar nature, or whose investigation shows is not in a position to perform the contract.
- D3. Notice of Intent to Award:** Notice of intent to award by Nassau County will constitute notice to the bidder that they are the overall lowest priced, most responsive and responsible bidder.
- D4. The Contract:** The County will provide a contract for the successful bidders' execution.
- D5. Placing of Orders:** The award of this bid does not constitute an order or a Notice to Proceed. Before any services can be performed, the successful bidder must receive written or oral notification in accordance with the practices of the User Division.
- D6. Best Prices:** Award will be made without further negotiation based upon competitive bids; therefore your best price should be submitted in response to this Invitation to bid.
- D7. State Contract Pricing/Piggyback Other Entities:** At the time of the evaluation, a comparison may be made between the bids received and the State Contract pricing or solicitation and award by other Governmental Entities for the same item/service. The award will be based on whatever is in the best interest of the County.

ATTACHMENT "A"

TECHNICAL SPECIFICATIONS/SCOPE OF WORK

The work includes water quality monitoring services for the three landfills in Nassau County, Florida. This scope of work includes field sampling, laboratory analysis, and reporting of the groundwater, surface water, and leachate quality at the West Nassau Landfill; and the field sampling, laboratory analysis, and reporting of the groundwater and surface water quality at both the Lofton Creek Landfill and the Bryceville Landfill. Figure 1-1 presents the location of these sites within the County.

MONITORING PROGRAMS BY LANDFILL

WEST NASSAU LANDFILL

FDEP Permit No. 0002870-010 and 011

Location: 43026 Landfill Road
Callahan, Florida 32011
Approximately 3 miles north of the intersection of U.S. Highway No. 1
and U.S. Highway 301 in Callahan, Florida (see Figure 1-2).

Site Layout: See Figure 2-1 in Exhibit 2

GROUNDWATER

Sampling Schedule: Semi-annual samples will be obtained for routine detection monitoring. Quarterly samples will be obtained for assessment monitoring. Semi-annual samples in any year will be obtained prior to June 30 and December 30, while quarterly samples will be obtained prior to March 30 and September 30. Final reports will be submitted to FDEP no later than the 15th day of the month immediately following the end of the sampling period.

Sampling Locations: Water levels and groundwater samples will be obtained from the following background, detection and compliance monitoring wells for the routine (semi-annual) sampling: MW-25, D-8, D-9, D-10, D-11, D-12, D-13, D-14, D-15, D-16, D-17, C-9, C-10, C-11, C-12, C-13, C-14, MW-2, MW-3R, MW-4, MW-5, MW-8, and MW-9. Water levels only will be obtained during the routine (semi-annual) sampling event at the following monitoring well and piezometer locations (in addition to those collected from the sampled wells): MW-10, MW-10D, MW-12 and MW-14, PZ-CF-1, PZ-CF-2, PZ-CF-3, PZ-CF-4, PZ-CF-5, PZ-CF-6, PZ-CF-7, PZ-CF-8, PZ-CF-9, PZ-CF-10, and PZ-CF-11.

Water levels and groundwater samples will be obtained from the following background compliance, detection monitoring wells for the assessment (quarterly) sampling: MW-25, D-9, D-10, D-11, D-12, D-13, D-14, C-9, C-10, C-11, C-12, C-13, and C-14. Water levels only will be obtained from the following wells quarterly: MW-25, D-8, D-15, D-16, D-17, MW-2, MW-3R, MW-4, MW-5, MW-8, MW-9, MW-10, MW-10D, MW-12, MW-14, PZ-CF-1, PZ-CF-2, PZ-CF-3, PZ-CF-4, PZ-CF-5, PZ-CF-6, PZ-CF-7, PZ-CF-8, PZ-CF-9, PZ-CF-10, and PZ-CF-11.

During the month of June 2010, groundwater samples will be obtained from the monitoring program wells and analyzed for the expanded list in Table 2.1-1. These wells include: MW-25, D-8, D-9, D-10, D-11, D-12, D-13, D-14, D-15, D-16, D-17, MW-2, MW-3R, MW-4, MW-5, MW-8, and MW-9. All wells are shown on Figure 2-1 in Exhibit 2.

Field QC Samples: Minimum of two (2) equipment blanks, one (1) trip blank, and two (2) duplicates will be collected for each sampling event.

Parameter List: See Table 2-1 in Exhibit 2 for semi-annual and quarterly parameters. During the month of June 2010, groundwater samples from all wells listed for routine sampling in the monitoring program shall be collected for the analytical parameters listed in Table 2-2 in Exhibit 2.

SPECIAL REPORTING

Requirements: Groundwater levels shall be recorded prior to evacuating the well for sample collection. Measurements shall include groundwater surface relative to top of casing and land surface at each site to a precision of 0.01 feet. Table 2-3 in Exhibit 2 includes top-of-casing elevations, referenced to National Geodetic Vertical Datum (NGVD), and the total depth for each well location. The groundwater measurement data, including groundwater surface depth and elevation, shall be submitted as part of each sampling report. In accordance with F.A.C. Rule 62-701.510(9)(b), a report (biennial report) shall be submitted every two years. The report shall evaluate the groundwater, surface water, and leachate monitoring programs and determine the adequacy of the monitoring frequency and analyses. The next scheduled biennial report will be submitted by May 15, 2011 or at a date as indicated by FDEP in the next operating permit¹. The Biennial Report shall be sealed by a professional geologist or qualified professional engineer.

SURFACE WATER

Sampling Schedule: Quarterly samples in any year will be obtained prior to March 30, June 30, September 30, and December 30 and shall be performed in conjunction with the ground water sampling.

Sampling Locations: Sampling locations SW-2 and SW-3, indicated on Figure 2-1 in Exhibit 2, will be at the outfall structures while discharging. Sampling locations SW-1, SW-4, and SW-5 are at the locations indicated on Figure 2-1 in Exhibit 2, and will be sampled at the center of the respective area/ditch.

Field QC Samples: Minimum of one (1) equipment blank, one (1) trip blank, and one (1) duplicate.

Parameter List See Table 2-4 in Exhibit 2 for surface water parameters.

¹ The current permit will expire on February 20, 2011. Therefore, the biennial reporting requirements will be outlined in the permit issued following that date.

LEACHATE

- Sampling Schedule:** Annual samples will be obtained prior to December 30 and shall be performed in conjunction with the ground water sampling. The analytical results will be submitted as part of the semi-annual report.
- Sampling Locations:** Leachate shall be sampled at sampling ports, provided in the force main, at the connection to the sideslope riser pipes. The three sample locations are indicated on Figure 2-1 in Exhibit 2.
- Parameter List** See Table 2-5 in Exhibit 2 for leachate parameters.

LOFTON CREEK LANDFILL/MEADOWFIELD BLUFF SUBDIVISION

FDEP Permit No. 0064999-001-SF.

- Location:** Approximately 2.5 miles east of Yulee and south of State Road A1A in Nassau County, Florida (see Figure 1-3).
- Site Layout:** See Figure 3-1 in Exhibit 3.

GROUND WATER

- Sampling Schedule:** Semi-Annual samples in any year will be obtained prior to June 30 and December 30, with final reports submitted to FDEP no later than July 31 and January 31, respectively.
- Groundwater:** Groundwater samples will be obtained from 57 monitoring wells: MW-1S, MW-1I, MW-1D, MW-2S, MW-2I, MW-2D, MW-3S, MW-3I, MW-3D, MW-4S, MW-4I, MW-4D, MW-5S, MW-5I, MW-5D, MW-6S, MW-6I, MW-6D, MW-7S, MW-7I, MW-7D, MW-8S, MW-8I, MW-8D, MW-9S, MW-9I, MW-9D, MW-10S, MW-10I, MW-10D, MW-12S, MW-12I, MW-12D, MW-13S, MW-13I, MW-13D, MW-15S, MW-15I, MW-15D, MW-18S, MW-18I, MW-18D, MW-19S, MW-19I, MW-19D, MW-21S, MW-21I, MW-21D, MW-22S, MW-22I, MW-22D, MW-23S, MW-23I, MW-23D, MW-25S, MW-25I, and MW-25D.
- Field QC Samples:** Minimum of three (3) equipment blanks, three (3) trip blanks, and three (3) duplicates.
- Parameter List:** See Exhibit 3, Table 3-1 for Lofton Creek/Meadowfield Bluff semi-annual groundwater parameters. During the month of November 2011, groundwater samples will be obtained from all background and compliance wells and analyzed for the expanded list in Table 3-2 in Exhibit 3.

SPECIAL REPORTING

- Requirements:** Groundwater levels shall be recorded prior to evacuating the well for sample collection. Measurements shall include groundwater surface relative to top of casing and land surface at each site to a precision of 0.01 feet. Table 3-3 in Exhibit 3 includes top-of-casing elevations, referenced to National Geodetic Vertical Datum (NGVD), and the total well depth for each well location. The groundwater measurement data, including groundwater surface depth and elevation, shall be submitted as part of each sampling report.

A report (biennial report) shall be submitted every two years. The report shall evaluate the groundwater and surface water monitoring programs and determine the adequacy of the monitoring frequency and analyses. The next scheduled biennial report will be submitted by February 1, 2011. This Biennial Report shall be sealed by a professional geologist or qualified professional engineer.

SURFACE WATER

- Sampling Schedule: Semi-annual samples in any year will be obtained prior to June 30 and December 30, and shall be performed in conjunction with the groundwater sampling.
- Sampling Locations: Sampling locations will be at the outfall structures while discharging or pond centers if there is no discharge. Samples will be obtained from the six (6) designated surface water sampling points as shown on Figure 3-1 in Exhibit 3.
- Field QC Samples: Minimum of one (1) equipment blank.
- Parameter List: See Table 3-4 in Exhibit 3 for surface water parameters.

BRYCEVILLE LANDFILL

FDEP Permit No. 0066724-001-SF.

- Location: Approximately 12 miles south of County Road 108 off of State Road 121 in Nassau County, Florida (see Figure 1-4).
- Site Layout: See Figure 4-1 in Exhibit 4.

GROUND WATER

- Sampling Schedule: Semi-annual samples in any year will be obtained prior to June 30 and December 30. A final report will be submitted to FDEP no later than July 31 and January 31, respectively.
- Groundwater: Groundwater samples will be obtained from 12 monitoring wells: MW-1, MW-2S, MW-2I, MW-3S, MW-3I, MW-4S, MW-4I, MW-4D, MW-5S, MW-5I, MW-6S, and MW-6I.
- Field QC Samples: Minimum of two (2) equipment blanks, two (2) trip blanks, and two (2) duplicates.
- Parameter List: See Exhibit 4, Table 4-1 for semi-annual groundwater parameters. During the month of November 2011, groundwater samples will be obtained from all background and compliance wells and analyzed for the expanded list in Table 4-2 in Exhibit 4.

SPECIAL REPORTING

- Requirements: Groundwater levels shall be recorded prior to evacuating the well for sample collection. Measurements shall include groundwater surface relative to top of casing and land surface at each site to a precision of 0.01 feet. Table 4-3 includes top-of-casing elevations, referenced to National Geodetic Vertical Datum (NGVD), and the total well depth for each well location. The groundwater measurement data, including groundwater surface depth and elevation, shall be submitted as part of each sampling report.

A report (biennial report) shall be submitted every two years. The report shall evaluate the groundwater and surface water and determine the adequacy of the monitoring frequency and analyses. The next scheduled biennial report will be submitted by February 1, 2011. This Biennial Report shall be sealed by a professional geologist or qualified professional engineer.

SURFACE WATER

- Sampling Schedule: Semi-annual samples in any year will be obtained prior to June 30 and December 30 and shall be performed in conjunction with the groundwater sampling.
- Sampling Locations: Sampling locations will be at the outfall structures while discharging or pond centers if there is no discharge. Samples will be obtained from the two (2) designated surface water sampling points as shown on Figure 4-1 in Exhibit 4.
- Field QC Samples: Minimum of one (1) equipment blank.
- Parameter List: See Table 4-4 in Exhibit 4 for surface water parameters.

GENERAL MONITORING PROCEDURES

Groundwater Sampling and Analysis

Sampling Frequency and Analytical Parameters

Groundwater monitoring for the sites will be performed as defined in the above sections. The monitoring wells will be sampled and analyzed for the parameters and at the frequencies as listed above. The minimum number of Field Quality Control samples listed in the above sections will be collected.

Sampling Protocols

Groundwater elevations will be recorded prior to evacuating the well for sample collection. Groundwater sampling will be conducted in accordance with the permit requirements for the Site and in accordance with FDEP's Standard Operating Procedures (DEP-SOP-001/01) for groundwater sampling (FS-2200). Samples can be collected following stabilization of field parameters. Purging will be performed using appropriate pumps and single use tubing. All purge water will be stored in drums or similar containers provided by the Contractor until the results of the analyses of groundwater are received. Based on the results of the analyses, the stored purge water may be disposed as applicable for the site and permit conditions. Tables providing the well elevations and total depth for each site are included in Exhibits 2 through 4 for the respective sites. Field parameters, including pH, specific conductance, turbidity, and temperature, will be collected, in addition to depth to water for monitoring of drawdown. Due care will be exercised to minimize the potential for contamination and/or cross-contamination of wells and samples.

Groundwater Reporting Requirements

A written report containing ground water sampling results will be submitted to Nassau County Solid Waste Management (NCSWM) no later than the 12th day of the month immediately following the end of the sampling event. This report will include the following information:

1. A narrative description of the sampling activities, including purging rates and volumes, etc.;
2. Laboratory analytical results indicating the analytical method, the MDL, and the dilution factor used. Groundwater detection limits must be lower than the maximum contaminant levels as per Rule 62-550 F.A.C.;
3. Laboratory and Field EDDs that are compatible with Automated Data Processing Tool (ADaPT) software and the ADaPT error log(s). [ftp://ftp.dep.state.fl.us/pub/ WACS-ADaPT/](ftp://ftp.dep.state.fl.us/pub/WACS-ADaPT/) (Rules 62-160.240 and 62-160.340, F.A.C.)
4. The report shall show in columnar form the analysis results and, where applicable, the corresponding Florida Ground Water Standards and/or criteria;
5. All peaks greater than the MDL for the analytical method shall be identified; and

6. Potentiometric maps for monitoring zones indicating the locations of the monitoring wells and corresponding water level measurements for the Lofton Creek and Bryceville Landfills. Water level evaluation with respect to the slurry wall will be included for the West Nassau Vertical Expansion and Closure Area Landfills.

A total of six reports shall be submitted for each landfill monitoring event. Along with the hardcopies, each written report shall be accompanied by a CD-ROM containing the entire report in Adobe pdf format and the appropriate ADaPT data package.

Compliance with groundwater standard and/or criteria for Class G-II groundwater shall be determined by analysis of unfiltered groundwater samples. If at any time ground water standards and/or criteria are exceeded, the Contractor shall immediately notify the NCSWM upon discovery. Pending approval by NCSWM, the Contractor shall resample the monitor wells(s) within 14 days from the receipt of the laboratory analysis. The Contractor shall submit to the NCSWM the results of the resampled well(s) immediately following the sampling event.

Groundwater levels shall be measured and recorded prior to evacuating the well for sample collection. Measurements, referenced to NGVD, shall include groundwater surface relative to top-of-casing and land surface of each site to a precision of 0.01 feet. A groundwater surface contour map shall be constructed from measurements collected from each well for the Lofton Creek and Bryceville Landfills. The water level data collected from the West Nassau Landfill Vertical Expansion and the West Nassau Landfill Closure Area will be compared to water levels collected from well/piezometer locations on the opposite side of the slurry wall from the wells. Evaluation of the effectiveness of the slurry wall and French drain system will be included. The measurement data and groundwater contour or data map shall be submitted as part of each sampling report.

Surface Water Monitoring

Sampling Frequency and Analytical Parameters

Surface water quality monitoring in the landfill storm water management system will be conducted in conjunction with the monitoring well sampling. The surface water sampling will be performed on its own if monitoring well sampling is not to be performed. The following surface water monitoring programs will be conducted concurrently at the site:

1. Surface water sampling and analysis as required by the FDEP Permits, semi-annually at Bryceville and Lofton Creek Landfills; and
2. Quarterly surface water sampling and analysis as required by National Pollutant Discharge Elimination System (NPDES) permit and FDEP permits at the West Nassau Landfill.

Surface water samples will be collected and analyzed for the parameters listed in the above sections.

Surface Water Sampling Protocols

All surface water sampling at the landfill will be conducted in accordance with the FDEP and USEPA approved procedures.

Surface Water Reporting Requirements

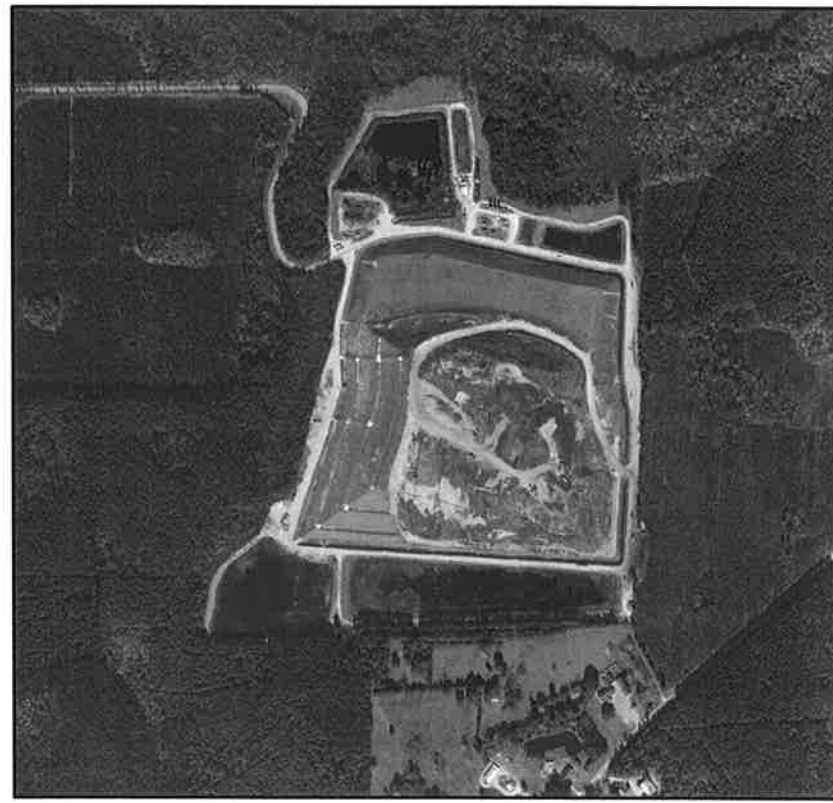
A written report containing surface water sampling results will be submitted to NCSWM after the end of each calendar quarter and no later than the 12th day immediately following the sampling event. This report will include the following information:

1. A narrative description of sampling activities;
2. Laboratory and Field EDDs that are compatible with ADaPT software and the ADaPT error log(s). <ftp://ftp.dep.state.fl.us/pub/WACS-ADaPT/> (Rules 62-160.240 and 62-160.340, F.A.C.);
3. Analytical laboratory reports must be submitted along with the report. The laboratory report shall indicate the analytical method, the MDL, and the dilution factor used on each data sheet; and
4. The report shall show in columnar form the analysis results and, where applicable, the corresponding Florida Ground Water Standards and/or criteria; and
5. All peaks greater than the MDL for the analytical method shall be identified.

A total of six reports shall be submitted for each landfill for each monitoring event. The surface water monitoring should be included in the groundwater monitoring reports when sampling is conducted concurrently. Along with the hardcopies, each written report shall be accompanied by a CD-ROM containing the entire report in Adobe pdf format and the appropriate ADaPT data package.

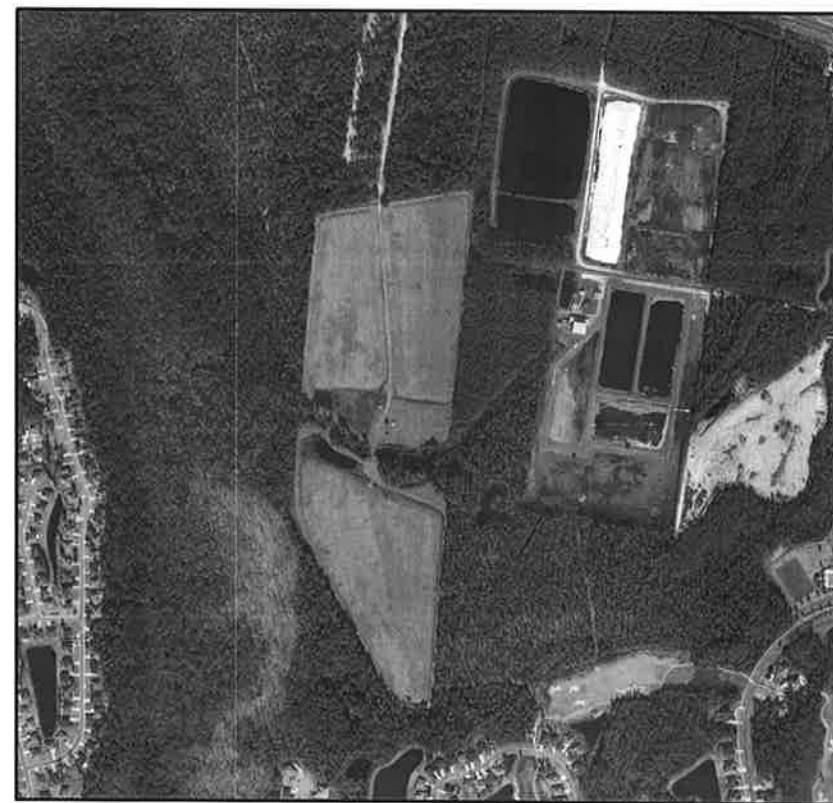
Compliance with drinking water of Class III surface water standard and/or criteria shall be determined. If at any time drinking water or surface water standard and/or criteria are exceeded, the Contractor shall immediately notify NCSWM upon discovery. Pending approval by NCSWM, the Contractor shall resample the surface site(s) within 14 days from the receipt of the laboratory analysis. The Contractor shall submit to the NCSWM the results of the resampled surface site(s) no later than the 12th day of the following month.

Drawing file: 9933928-Z001.dwg Jul 28, 2009 - 5:01pm



1 **WEST NASSAU LANDFILL**

1,000 0 1,000
SCALE FEET



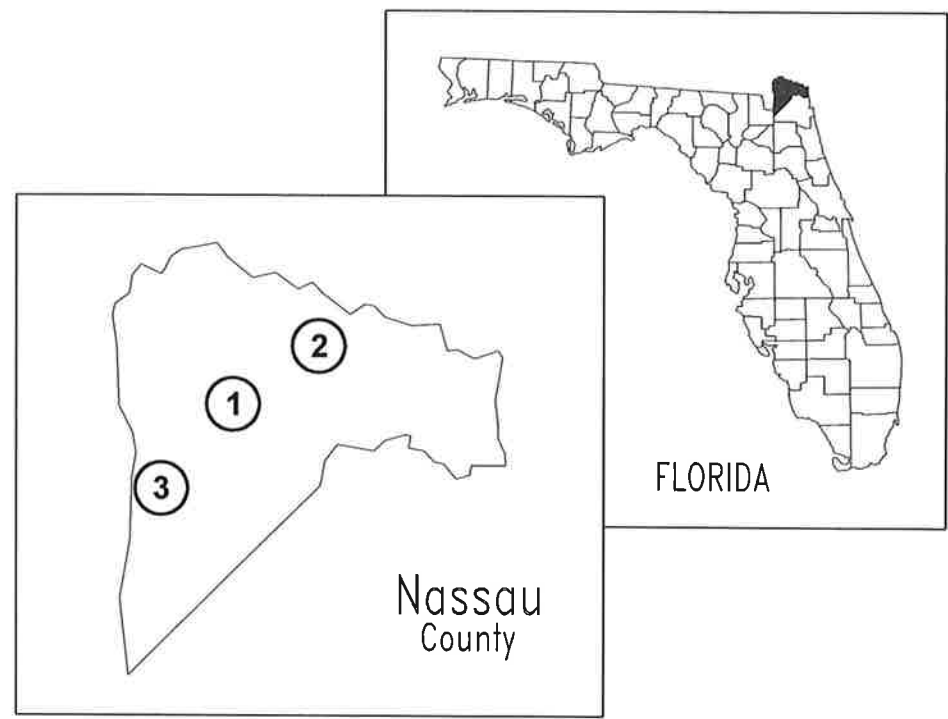
2 **LOFTON CREEK LANDFILL**

1,200 0 1,200
SCALE FEET



3 **BRYCEVILLE LANDFILL**

800 0 800
SCALE FEET





Golder Associates
Jacksonville, Florida

PROJECT

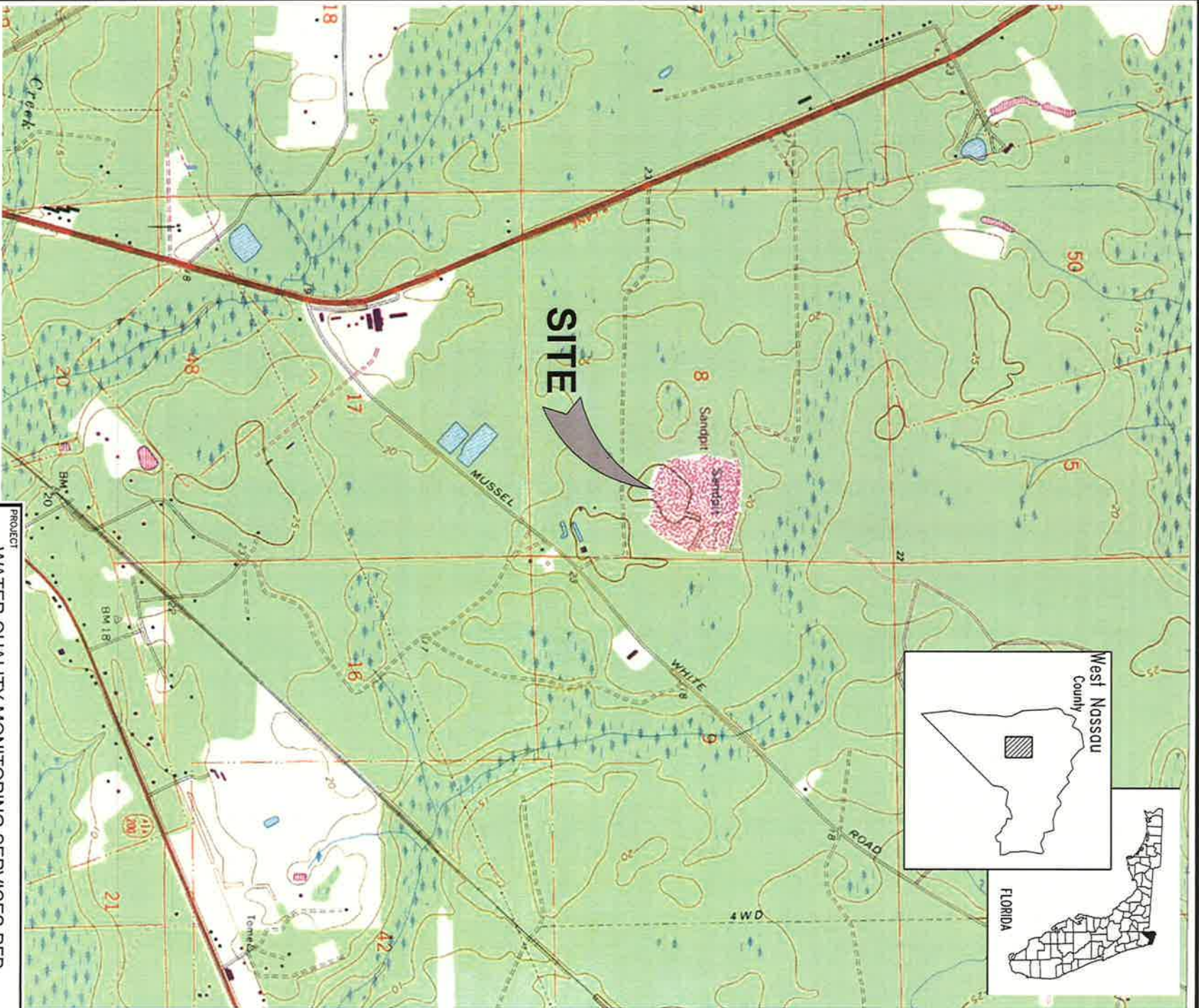
**WATER QUALITY MONITORING
SERVICES RFP
NASSAU COUNTY/FL**

TITLE

**NASSAU COUNTY LANDFILL
LOCATIONS**

PROJECT No.	993-3928
FILE No.	9933928-Z001
REV. 0	SCALE AS SHOWN
DESIGN	WDK 07/27/09
CADD	BCL 07/28/09
CHECK	DEG 07/28/09
REVIEW	WDK 07/28/09

FIGURE 1-1



REFERENCES

- 1.) USGS TOPOGRAPHIC MAP, 7.5 MIN. QUADRANGLE MAP SERIES: CALLAHAN QUADRANGLE, NASSAU COUNTY, FLORIDA



PROJECT
WATER QUALITY MONITORING SERVICES RFP
NASSAU COUNTY/FL

TITLE

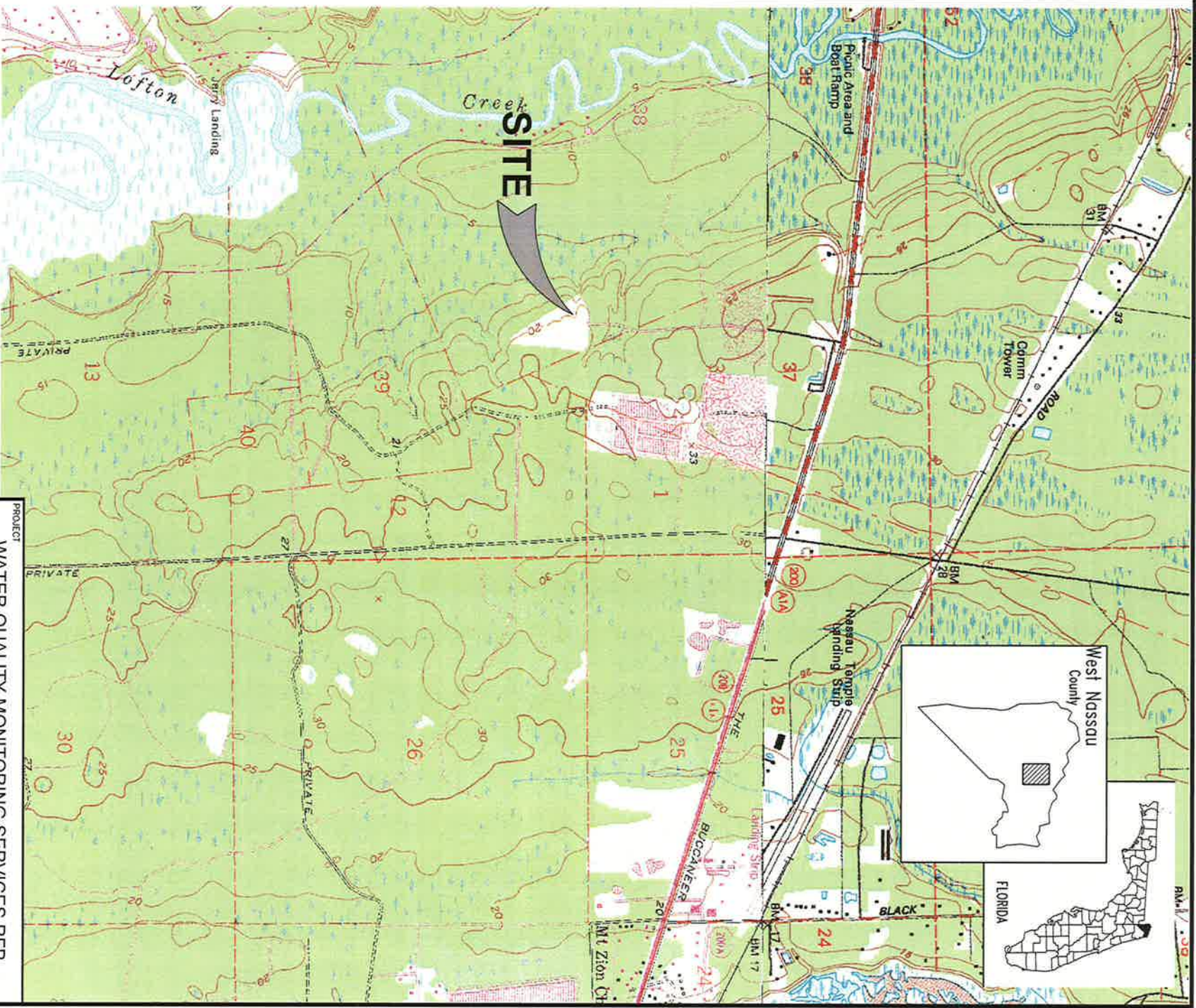
WEST NASSAU LANDFILL SITE LOCATION



PROJECT No.		FILE No.	
993-3928		9933928-2005	
DESIGN	WOK	SCALE	AS SHOWN
CADD	WOK	07/28/09	REV. 0
CHECK	DEC	SCALE	AS SHOWN
WOK	DEC	07/28/09	REV. 0
WOK	WOK	07/28/09	REV. 0

FIGURE 1-2





REFERENCES

- 1.) USGS TOPOGRAPHIC MAP, 7.5 MIN. QUADRANGLE MAP SERIES: HEDGES QUADRANGLE, NASSAU COUNTY, FLORIDA



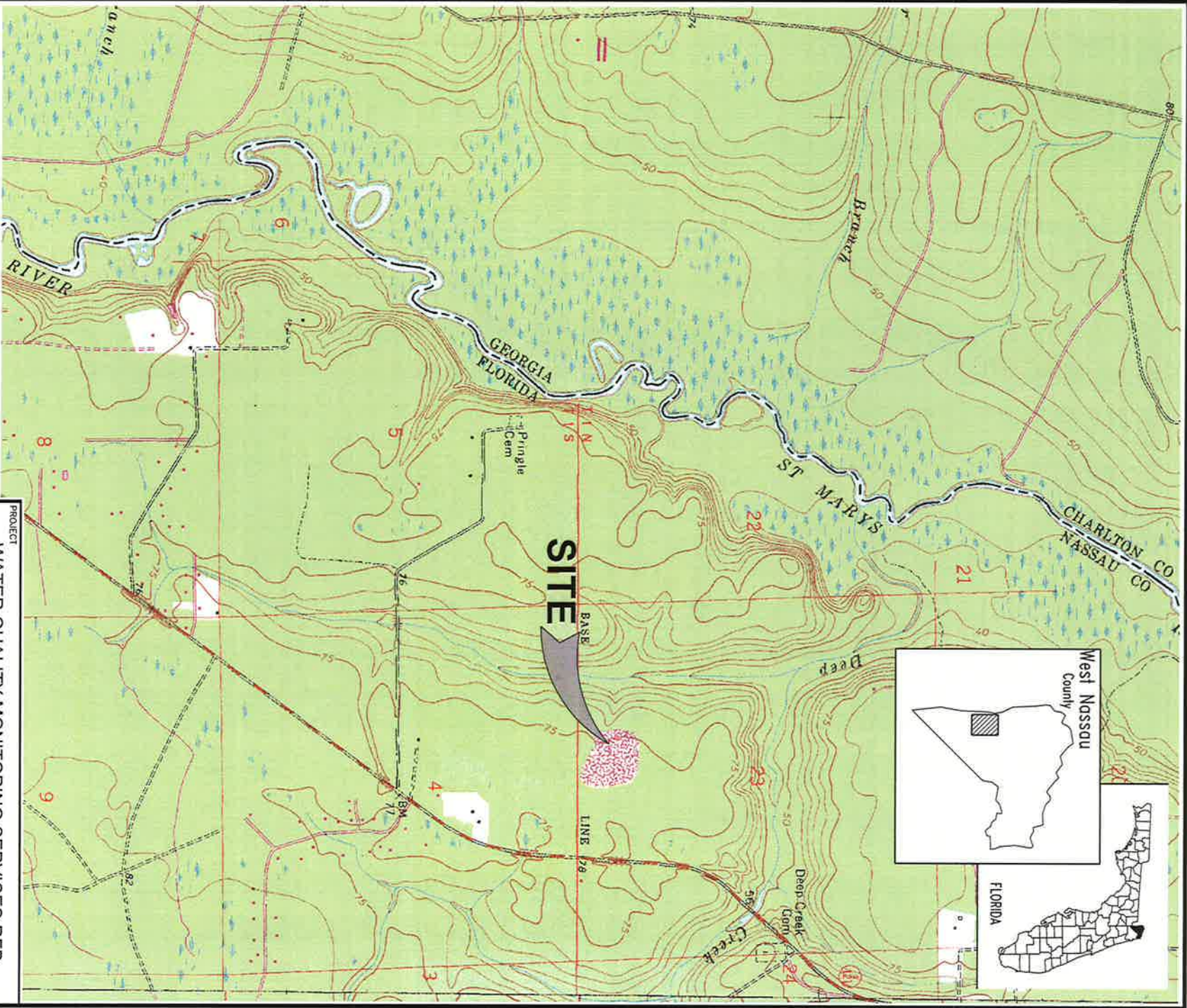
PROJECT
WATER QUALITY MONITORING SERVICES RFP
NASSAU COUNTY/FL

TITLE
**LOFTON CREEK LANDFILL
SITE LOCATION**



PROJECT No.	993-3928	FILE No.	9933928-Z006
DESIGN WOK	07/28/09	SCALE	AS SHOWN
CADD	07/28/09	REV.	0
CHECK	07/28/09		
REVIEW	07/28/09		

FIGURE 1-3



REFERENCES

- 1.) USGS TOPOGRAPHIC MAP, 7.5 MIN. QUADRANGLE MAP SERIES: BRYCEVILLE QUADRANGLE, NASSAU COUNTY, FLORIDA



PROJECT
WATER QUALITY MONITORING SERVICES RFP
NASSAU COUNTY/FL

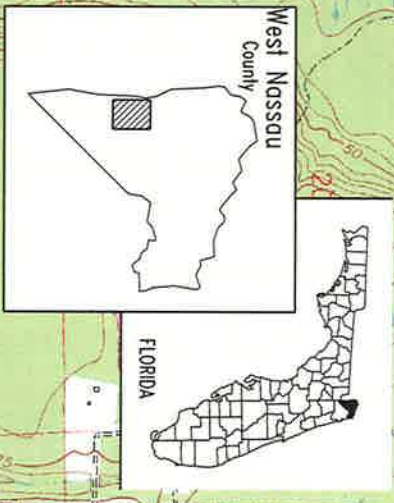
TITLE

BRYCEVILLE LANDFILL SITE LOCATION



PROJECT No. 993-3928				FILE No. 9933928-2007			
DESIGN	WKC	07/28/09	SCALE	AS SHOWN	REV.	0	
CADD	BCL	07/28/09					
CHECK	DEC	07/28/09					
REVIEW	WKC	07/28/09					

FIGURE 1-4



**ATTACHMENT “B”
BID PRICE SHEETS**

West Nassau Class I Landfill

FIELD COMPONENT	SCHEDULE	COST/EVENT	Events per Year	Annual Cost
Field Sampling GW/SW	Semi-Annual		2	
Field Sampling GW/SW	Quarterly		2	

ANALYTICAL COMPONENT	SCHEDULE	Cost Per/ Sample	Samples per Event	Events per Year	Annual Cost
Groundwater	Semi-Annual GW		23	2	
	Quarterly GW		13	2	
Surface Water	Quarter 1 and 3		4	2	
	Quarter 2 and 4		4	2	
GW/SW Equipment Blanks	Semi-Annual GW		2	2	
	Quarterly GW		1	2	
	SW Quarter 1 and 3		1	2	
	SW Quarter 2 and 4		1	2	
GW/SW Duplicates	Semi-Annual GW		2	2	
	Quarterly GW		1	2	
	SW Quarter 1 and 3		1	2	
	SW Quarter 2 and 4		1	2	
GW/SW Trip Blanks	Semi-Annual GW		1	2	
	Quarterly GW		1	2	
	SW Quarter 1 and 3		1	2	
	SW Quarter 2 and 4		1	2	

REPORTING COMPONENT	SCHEDULE	Cost per Event	Events per Year	ANNUAL COST
Electronic Data Transfer	GW and SW Semi-Annual		2	
	SW Quarterly		2	
Reporting ⁽¹⁾	Semi-Annual Report		2	
	Quarterly Report		2	
	Bi-annual Report ⁽²⁾		1	
TOTAL				

ADD/ALTERNATE	NUMBER OF RESAMPLES	COST/RESAMPLE
Field Resampling GW	1 to 4	
Field Resampling GW	More than 4	
Field Resampling SW	1 to 4	

Notes:

⁽¹⁾ Report to include West Nassau Closure Area sampling and analysis information/evaluation.

⁽²⁾ The bi-annual report for the West Nassau Landfill is due to FDEP by May 15, 2011 and every two years thereafter.

Lofton Creek Landfill/Meadowfield Bluff Subdivision

FIELD COMPONENT	SCHEDULE	COST/ EVENT	EVENTS/ YEAR	ANNUAL COST
Field Sampling	Semi-Annual GW		2	
Field Sampling	Semi-Annual SW		2	

ANALYTICAL COMPONENT	SCHEDULE	Cost per Sample	Samples per Event	Events per Year	Annual Cost
Groundwater	Semi-Annual GW		57	2	
Surface Water	Semi-Annual SW		6	2	
GW/SW Equipment Blanks	Semi-Annual		4	2	
GW/SW Duplicates	Semi-Annual		3	2	
GW/SW Trip Blanks	Semi-Annual		3	2	

REPORTING COMPONENT	SCHEDULE	COST/ EVENT	EVENTS/ YEAR	ANNUAL COST
Electronic Data Transfer	Semi-Annual		2	
Reporting	Semi-Annual Data		2	
TOTAL				

ADD/ALTERNATE	NUMBER OF RESAMPLES	COST/RESAMPLE
Field Resampling GW	1 to 4	
Field Resampling GW	More than 4	
Field Resampling SW	1 to 6	

Bryceville Landfill

FIELD COMPONENT	SCHEDULE	Cost per Event	Events per Year	Annual Cost
Field Sampling GW	Semi-Annual		2	
Field Sampling SW	Semi-Annual		2	

ANALYTICAL COMPONENT	SCHEDULE	Cost per Sample	Samples per Event	Events per Year	Annual Cost
Groundwater	Semi-Annual		12	2	
Surface Water	Semi-Annual		2	2	
GW/SW Equipment Blanks	Semi-Annual		3	2	
GW/SW Duplicates	Semi-Annual		2	2	
GW/SW Trip Blanks	Semi-Annual		2	2	

REPORTING COMPONENT	SCHEDULE	Cost per Event	Events per Year	Annual Cost
Electronic Data Transfer	Semi-Annual		2	
Reporting	Semi-Annual Data		2	
TOTAL				

ADD/ALTERNATE	NUMBER OF RESAMPLES	COST/RESAMPLE
Field Resampling GW	1 to 4	
Field Resampling GW	More than 4	
Field Resampling SW	1 to 2	

Project Totals

SITE	TOTAL COSTS YEAR 1	
	Sampling and Analysis	Reporting
West Nassau Class I Landfill		
Lofton Creek Landfill/Meadowfield Bluff Subdivision		
Bryceville Landfill		
TOTALS		

SITE	TOTAL COSTS			
	Year 2		Year 3	
	S&A	RPT	S&A	RPT
West Nassau Class I Landfill				
Lofton Creek Landfill				
Bryceville Landfill				
TOTALS				

Notes: S&A = Sampling and Analysis
RPT = Reporting

ATTACHMENT "C"
STATEMENT OF "NO BID"
RESPONSE TO INVITATION TO BID FORM

If you do not intend to bid on this requirement, please complete and return this form prior to the date shown for receipt of bids to Nassau County Board of County Commissioners, c/o John A. Crawford, Ex-Officio Clerk, Nassau County Judicial Annex, 76347 Veterans Way, Yulee, FL 32097.

We have declined to bid on _____, for the following reasons:
(Bid No.) (Bid Name)

- _____ Specifications are too "restrictive", i.e. geared toward one brand or manufacturer (please explain below)
- _____ Insufficient time to respond to Invitation to Bid
- _____ We do not offer this product or equivalent
- _____ Our product schedule would not permit us to perform
- _____ Unable to meet specifications
- _____ Unable to meet bond requirements
- _____ Specifications unclear (please explain below)
- _____ Other (please specify below)

Remarks:

We understand that if the "No Bid" letter is not executed and returned, our name may be deleted from the list of qualified bidders for Nassau County Board of County Commissioners for future projects.

Typed Name and Title

Company Name

Address-

Signature

Date

Telephone Number

Fax Number

Email Address

ATTACHMENT "D"
Addendum Acknowledgment

Acknowledgment is hereby made of receipt of addenda issued during the solicitation period. BID NUMBER: NC09-026	Addendum # _____ through # _____ Initial: Date:
Person Completing ITB (Signature)	
Name (Printed):	Title:

>>>Failure to submit this form may disqualify your response<<<

ATTACHMENT "E"

**NASSAU COUNTY
SWORN STATEMENT UNDER SECTION 287.133(3)(a), FLORIDA STATUTES,
ON PUBLIC ENTITY CRIMES**

TO BE RETURNED WITH BID

THIS MUST BE SIGNED IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICER AUTHORIZED TO ADMINISTER OATHS

1. This sworn statement is submitted with Bid, Proposal or Contract for _____.
2. This sworn statement is submitted by _____ (entity submitting sworn statement), whose business address is _____ and its Federal Employee Identification Number (FEIN) is _____. (if the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement: _____).
3. My name is _____ (please print name of individual signing), and my relationship to the entity named above is _____.
4. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any bid or contract for goods or services, any leases for real property, or any contract for the construction or repair of a public building or public work, to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
5. I understand that "convicted" or "conviction" as defined in paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction or a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, non-jury trial, or entry of a plea of guilty or nolo contendere.
6. I understand that an "affiliate" as defined in paragraph 287.133(1)(a), Florida Statutes, means:
 - a) A predecessor or successor of a person convicted of a public entity crime; or
 - b) An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not to fair market value under an arm's length agreement, shall be prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding thirty-six (36) months shall be considered an affiliate.
7. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into binding contract and which bids or applies to bid on contracts let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

8. Based on information and belief, the statement, which I have marked below, is true in relation to the entity submitting this sworn statement. (Please indicate which statement applies.)

_____ Neither the entity submitting this sworn statement, nor any of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one of more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, and (Please indicate which additional statement applies.)

_____ There has been a proceeding concerning the conviction before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the Hearing Officer did not place the person or affiliate on the convicted vendor list. (Please attach a copy of the final order.)

_____ The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. (Please attach a copy of the final order.)

_____ The person or affiliate has not been placed on the convicted vendor list. (Please describe any action taken by or pending with the Department of General Services.)

(Signature)

Date

STATE OF FLORIDA

COUNTY OF _____

PERSONALLY APPEARED BEFORE ME, the undersigned authority, _____, who, after first being sworn by me, affixed his/her signature in the space provided above on this _____ day of _____, 200__.

(Notary Public)

My Commission Expires: _____

(seal)

ATTACHMENT "F"
EXPERIENCE OF BIDDER-CONTRACTOR

The following questionnaire shall be answered by the bidder for use in evaluating the bid to determine the lowest, responsive, and responsible bidder, meeting the required specifications.

CONTRACTOR:

1. **FIRM NAME:** _____

Address: _____

City/State/Zip: _____

Phone: _____ Fax: _____

Name of primary contact responsible for work performance: _____

Phone: _____ Cell Phone: _____ Email _____

2. **INSURANCE:**

Surety Company: _____

Agent Company: _____

Agent Contact: _____

Total Bonding Capacity: \$ _____ Value of Work Presently Bonded: _____

3. **EXPERIENCE:**

Years in business: _____

Years in business under this name: _____

Years performing this type of work: _____

Value of work now under contract: _____

Value of work in place last year: _____

Percentage (%) of work usually self-performed: _____

Name of subcontractors you may use: _____

Has firm: Failed to complete a contract: _____

Been involved in bankruptcy or reorganization: _____

Pending judgment claims or suits against firm: _____

4. **PERSONNEL**

How many employees does your company employ:

Management	_____ Full time	_____ Part time
Site/Crew Supervisors	_____ Full time	_____ Part time
Workers/Laborers	_____ Full time	_____ Part time
Clerical	_____ Full time	_____ Part time
Other	_____ Full time	_____ Part time

5. WORK EXPERIENCE:

List your five (5) most significant commercial or government accounts where the contract was similar in scope and size to this bid.

Reference #1:

Company/Agency Name: _____

Address: _____

Contract Person: _____

Phone: _____ Fax: _____ Email: _____

Project Description: _____

Contract \$ Amount: _____

Date Completed: _____

Reference #2:

Company/Agency Name: _____

Address: _____

Contract Person: _____

Phone: _____ Fax: _____ Email: _____

Project Description: _____

Contract \$ Amount: _____

Date Completed: _____

Reference #3:

Company/Agency Name: _____

Address: _____

Contract Person: _____

Phone: _____ Fax: _____ Email: _____

Project Description: _____

Contract \$ Amount: _____

Date Completed: _____

Reference #4:

Company/Agency Name: _____

Address: _____

Contract Person: _____

Phone: _____ Fax: _____ Email: _____

Project Description: _____

Contract \$ Amount: _____

Date Completed: _____

Reference #5:

Company/Agency Name: _____

Address: _____

Contract Person: _____

Phone: _____ Fax: _____ Email: _____

Project Description: _____

Contract \$ Amount: _____

Date Completed: _____

REMINDER:

THIS FORM IS TO BE INCLUDED WITH BID. FAILURE TO SUBMIT ALONG WITH BID MAY BE CAUSE FOR DISQUALIFICATION.

ATTACHMENT "F-1"
EXPERIENCE OF BIDDER- LABORATORY

The following questionnaire shall be answered by the bidder for use in evaluating the bid to determine the lowest, responsive, and responsible bidder, meeting the required specifications.

LABORATORY:

1. **FIRM NAME:** _____

Address: _____

City/State/Zip: _____

Phone: _____ Fax: _____

Name of primary contact responsible for work performance: _____

Phone: _____ Cell Phone: _____ Email _____

2. **INSURANCE:**

Surety Company: _____

Agent Company: _____

Agent Contact: _____

Total Bonding Capacity: \$ _____ Value of Work Presently Bonded: _____

3. **EXPERIENCE:**

Years in business: _____

Years in business under this name: _____

Years performing this type of work: _____

Value of work now under contract: _____

Value of work in place last year: _____

Percentage (%) of work usually self-performed: _____

Name of subcontractors you may use: _____

Has firm: Failed to complete a contract: _____

Been involved in bankruptcy or reorganization: _____

Pending judgment claims or suits against firm: _____

4. **PERSONNEL**

How many employees does your company employ:

Management	_____ Full time	_____ Part time
Site/Crew Supervisors	_____ Full time	_____ Part time
Workers/Laborers	_____ Full time	_____ Part time
Clerical	_____ Full time	_____ Part time
Other	_____ Full time	_____ Part time

5. WORK EXPERIENCE:

List your five (5) most significant commercial or government accounts where the contract was similar in scope and size to this bid.

Reference #1:

Company/Agency Name: _____

Address: _____

Contract Person: _____

Phone: _____ Fax: _____ Email: _____

Project Description: _____

Contract \$ Amount: _____

Date Completed: _____

Reference #2:

Company/Agency Name: _____

Address: _____

Contract Person: _____

Phone: _____ Fax: _____ Email: _____

Project Description: _____

Contract \$ Amount: _____

Date Completed: _____

Reference #3:

Company/Agency Name: _____

Address: _____

Contract Person: _____

Phone: _____ Fax: _____ Email: _____

Project Description: _____

Contract \$ Amount: _____

Date Completed: _____

Reference #4:

Company/Agency Name: _____

Address: _____

Contract Person: _____

Phone: _____ Fax: _____ Email: _____

Project Description: _____

Contract \$ Amount: _____

Date Completed: _____

Reference #5:

Company/Agency Name: _____

Address: _____

Contract Person: _____

Phone: _____ Fax: _____ Email: _____

Project Description: _____

Contract \$ Amount: _____

Date Completed: _____

REMINDER:

THIS FORM IS TO BE INCLUDED WITH BID. FAILURE TO SUBMIT ALONG WITH BID MAY BE CAUSE FOR DISQUALIFICATION.

ATTACHMENT "F-2"
EXPERIENCE OF BIDDER- SUB-CONTRACTOR

The following questionnaire shall be answered by the bidder for use in evaluating the bid to determine the lowest, responsive, and responsible bidder, meeting the required specifications.

SUB-CONTRACTOR:

1. **FIRM NAME:** _____

Address: _____

City/State/Zip: _____

Phone: _____ Fax: _____

Name of primary contact responsible for work performance: _____

Phone: _____ Cell Phone: _____ Email _____

2. **INSURANCE:**

Surety Company: _____

Agent Company: _____

Agent Contact: _____

Total Bonding Capacity: \$ _____ Value of Work Presently Bonded: _____

3. **EXPERIENCE:**

Years in business: _____

Years in business under this name: _____

Years performing this type of work: _____

Value of work now under contract: _____

Value of work in place last year: _____

Percentage (%) of work usually self-performed: _____

Name of subcontractors you may use: _____

Has firm: Failed to complete a contract: _____

Been involved in bankruptcy or reorganization: _____

Pending judgment claims or suits against firm: _____

4. **PERSONNEL**

How many employees does your company employ:

Management	_____ Full time	_____ Part time
Site/Crew Supervisors	_____ Full time	_____ Part time
Workers/Laborers	_____ Full time	_____ Part time
Clerical	_____ Full time	_____ Part time
Other	_____ Full time	_____ Part time

5. WORK EXPERIENCE:

List your five (5) most significant commercial or government accounts where the contract was similar in scope and size to this bid.

Reference #1:

Company/Agency Name: _____

Address: _____

Contract Person: _____

Phone: _____ Fax: _____ Email: _____

Project Description: _____

Contract \$ Amount: _____

Date Completed: _____

Reference #2:

Company/Agency Name: _____

Address: _____

Contract Person: _____

Phone: _____ Fax: _____ Email: _____

Project Description: _____

Contract \$ Amount: _____

Date Completed: _____

Reference #3:

Company/Agency Name: _____

Address: _____

Contract Person: _____

Phone: _____ Fax: _____ Email: _____

Project Description: _____

Contract \$ Amount: _____

Date Completed: _____

Reference #4:

Company/Agency Name: _____

Address: _____

Contract Person: _____

Phone: _____ Fax: _____ Email: _____

Project Description: _____

Contract \$ Amount: _____

Date Completed: _____

Reference #5:

Company/Agency Name: _____

Address: _____

Contract Person: _____

Phone: _____ Fax: _____ Email: _____

Project Description: _____

Contract \$ Amount: _____

Date Completed: _____

REMINDER:

THIS FORM IS TO BE INCLUDED WITH BID. FAILURE TO SUBMIT ALONG WITH BID MAY BE CAUSE FOR DISQUALIFICATION.

**ATTACHMENT “G”
[RESERVED]**

EXHIBIT "1"

SAMPLE CONTRACT

The Sample Contract will be subject to review and modification by the County Attorney's Office

Contract No.: _____

Bid/Proposal No.: NC09-026

**CONTRACT FOR GROUNDWATER AND SURFACE WATER
MONITORING SERVICES**

THIS CONTRACT entered into this _____ day of _____, 200__, by and between the **BOARD OF COUNTY COMMISSIONERS OF NASSAU COUNTY, FLORIDA, a political subdivision of the State of Florida**, hereinafter referred to as "County", and [insert vendor name and address], hereinafter referred to as "Vendor".

WHEREAS, the Board of County Commissioners of Nassau County, Florida received sealed bids for Groundwater and Surface Water Monitoring Services, Bid No. NC09-026, on August 27, 2009 at 2:00 p.m.; and

WHEREAS, the Solid Waste Department determined that [vendor name] was the lowest, most responsive and responsible bidder for the bid items as set forth in Exhibit "A"; and

WHEREAS, on [award date], the Board of County Commissioners of Nassau County, based on the recommendation of the Solid Waste Department, awarded the bid to [vendor name], subject to execution of this contract.

NOW, THEREFORE, in consideration of the terms and conditions herein set forth, the County and the Vendor agree as follows:

SECTION 1. Description of Services to be Provided

The County does hereby retain the Vendor to furnish materials or services as further described in the Scope of Services attached hereto as Exhibit "B" and made a part hereof. Required materials and service shall be specifically enumerated, described and depicted in the Purchase orders authorizing performance of the specific task. This Contract standing alone does not authorize the performance of any work or require the County to place any orders for work.

SECTION 2. Receiving/Payment/Invoicing

No payment will be made for materials ordered without proper purchase order authorization. The County shall pay the vendor within forty-five (45) calendar days of receipt of invoice, pursuant to and in accordance with the promulgations set forth by the State of Florida's Prompt Payment Act. (Florida Statutes Section 218.70). Payment shall not be made until materials, goods or services have been received, inspected and accepted by the County in the quality and quantity ordered. Payment will be accomplished by submission of an invoice, in duplicate, with the Purchase Order number referenced thereon and mailed to the address set forth in the Purchase Order. Payment in advance of receipt of goods or services by Nassau County cannot be made.

The invoice submitted shall be in sufficient detail as to item, quantity and price in order for the County to verify compliance with the awarded bid.

SECTION 3. Acceptance of Goods/Services

Receipt of goods/services shall not constitute acceptance. Final acceptance and authorization of payment shall be given only after a thorough inspection indicates that the product/performance meets bid specifications and conditions. Should the products/services differ in any respect from specifications, payment will be withheld until such time as the supplier takes necessary corrective action. If the proposed corrective action is not acceptable to the County, the County Coordinator's Office may authorize the recipient to refuse final acceptance of the goods/services. Should a representative of the County agree to accept the goods/services on condition that the Vendor will correct his performance within a stipulated time period, then payment will be withheld until the services are performed as specified.

SECTION 4. Inspection/Acceptance Title

Inspection and acceptance will be at destination unless otherwise stipulated. Title and risk of loss or damage to all items shall be the responsibility of the Vendor until accepted by the using department of Nassau County, unless loss or damage results from negligence by Nassau County or its using Department.

SECTION 5. Firm Prices

Prices for goods and services covered in the specifications shall be firm; net delivered to the ordering agency, **F.O.B. DESTINATION**, vendor paying all delivery costs and shall remain firm for the period of this Contract. No additional fees or charges shall be accepted.

SECTION 6. Fund Availability

This Contract is deemed effective only to the extent that appropriations are available. Pursuant to Florida Statutes all appropriations lapse at the end of the Fiscal Year. Multi-year awards shall be adequately funded but the County reserves the right not to appropriate for an ongoing procurement if it is deemed in its best interest.

SECTION 7. Permits/Licenses/Fees

Any permits, licenses or fees required for this service will be the responsibility of the Vendor unless otherwise stated.

SECTION 8. Taxes

The County is tax exempt. As such, the County will not pay any Federal Excise or State of Florida Sales Tax. The Vendor will refrain from including taxes in any billing.

SECTION 9. Laws Governing this Contract

This Contract shall be consistent with, and be governed by, the Ordinances of Nassau County, the whole law of the State of Florida, both procedural and substantive, and applicable federal statutes, rules and regulations. Any and all litigation arising under this Contract shall be brought in Nassau County, Florida.

SECTION 10. Changes

The County reserves the right to order, in writing, changes in the work within the scope of the contract, such as change in quantity or delivery schedule. The Vendor has the right to request an equitable price adjustment in cases where changes to the contract under the authority of this clause result in increased costs to the Vendor.

SECTION 11. Modifications

In addition to modifications made under the changes clause, this Contract may be modified within the scope of the contract upon the written and mutual consent of both parties, and approval by appropriate legal bodies in the County.

SECTION 12. Assignment and Subcontracting

The Vendor will not be permitted to assign its contract with the County, or to subcontract any of the work requirements to be performed without obtaining prior written approval by the County.

SECTION 13. Severability

If any section, subsection, sentence, clause, phrase, or portion of this Contract is, for any reason, held invalid, unconstitutional, or unenforceable by any Court of Competent Jurisdiction, such portion shall be deemed as a separate, distinct, and independent provision, and such holding shall not affect the validity of the remaining portions thereof.

SECTION 14. Termination for Default

The performance of the Contract may be terminated by the County in accordance with this clause, in whole or in part, in writing, whenever the County shall determine that the Vendor has failed to meet performance requirement(s) of the Contract.

SECTION 15. Termination for Convenience

The County reserves the right to terminate the Contract in whole or part by giving the vendor written notice at least thirty (30) days prior to the effective date of the termination. Upon receipt of termination from the County, the Vendor shall only provide those services specifically approved or directed by the County. All other rights and duties of the parties under the Contract shall continue during such notice period, and the County shall continue to be responsible to the vendor for the payment of any obligations to the extent such responsibility has not been excused by breach of default of the Vendor.

SECTION 16. Force Majeure

Neither party of this Contract shall be liable to the other for any cost or damages if the failure to perform the Contract arises out of causes beyond the control and without the fault or negligence of the parties. Such causes may include, but are not restricted to, acts of nature, fires, quarantine restriction, strikes and freight embargoes. In all cases, the failure to perform must be totally beyond the control and without any fault or negligence of the party.

SECTION 17. Access and Audits

The Vendor shall maintain adequate records to justify all charges, expenses, and costs incurred in performing the Work for at least three (3) years after completion of this Contract. The County and the Clerk of Courts shall have access to such books, records, and documents as required in this Section for the purpose of inspection or audit during normal business hours, at the County's or the clerk's cost, upon five (5) days' written notice.

SECTION 18. Vendor Responsibilities

The Vendor will provide the services agreed upon in a timely and professional manner in accordance with specifications.

SECTION 19. Public Emergencies

The Vendor shall agree before, during, and after a public emergency, disaster, hurricane, tornado, flood, or other acts of nature that the County shall require a "First Priority" for goods and services. It is vital and imperative that the majority of citizens are protected from any emergency situation that threatens public health and safety, as determined by the County. The Vendor agrees to rent/sell/lease all goods and services to the county or governmental entities on a "first priority" basis. The County expects to pay a fair and reasonable price for all products and services rendered or contracted in the event of a disaster, emergency, hurricane, tornado or other acts of nature.

SECTION 20. Period of Contract/Option to Extend or Renew

This Contract shall begin on the date of execution of this contract and terminate September 30, 2012. The performance period of this Contract may be extended upon mutual Contract between the vendor and the County with no change in terms or conditions. Any extension of performance period under this provision shall be in one (1) year increments. Total contract length and individual one (1) year extensions shall be in the County's best interest and sole discretion. Any Contract or amendment to the Contract shall be subject to fund availability and mutual written agreement between the County and the Vendor.

SECTION 21. Exercise of Option

Exercise of option to extend term of contract: If the County wishes to enter into an option period, the County shall request from the Vendor their written statement of desire to enter into an extension of the performance period.

SECTION 22. Probationary Period

The first ninety (90) days of this Contract are to be considered a "probationary" period. At the County's election, this Contract may be terminated, based on the performance of the Vendor, and a new award be granted without another formal bid.

SECTION 23. Escalation Clause

Ninety (90) days prior to the end of the contract term, the Vendor may request in writing an increase in an individual item unit cost. Consideration of price increases at each renewal period will be given provided such escalations are reasonable and acceptable to the County. It is also expected that de-escalation of prices will be extended to the County if market so reflects. The County will consider a price adjustment based on the latest Consumer Price Index and/or proof of a manufacturer's price increase. Any and all proposed increases are subject to approval by the County.

SECTION 24. Supervision

The Vendor shall act as an independent contractor and not as an employee of the County. The County shall not exercise any supervision or control over the Vendor's employees performing services under this Contract. Such employees shall be accountable not to the County, but solely to the Vendor, who in turn is responsible to the County.

SECTION 25. Indemnification and Insurance

The Vendor shall indemnify and hold harmless the County and its agents and employees from and against all claims, damages, losses and expenses, including attorney's fees, arising out of or resulting from the performance of this contract, provided that any such claims, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to loss to or destruction of tangible property, including loss of use resulting therefrom; and is caused in whole or in part by any negligent or willful act or omission of the Vendor and/or Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable.

In any and all claims against the County or any of its agents or employees, by any employee of the Vendor, any Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, the indemnification obligation shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for the Vendor or any Subcontractor under Workers' Compensation acts, disability benefit acts, or other employee benefits act.

The vendor shall, on a primary basis, and at its sole expense, agree to maintain in full force and effect at all times during the life of this contract, insurance coverage's, limits, including endorsements, as described herein. The requirements contained herein, as well as the County's review or acceptance of insurance maintained by the Vendor is not intended to and shall not in any manner limit or qualify the liabilities and obligations assumed by the Vendor under the Contract.

Workers' Compensation: The Vendor shall agree to maintain Workers' Compensation Insurance and Employers Liability in accordance with Florida Statute Chapter 440. Coverage must include Employers Liability with a minimum limit of \$100,000 each.

Business Auto Policy: The Vendor shall agree to maintain Business Automobile Liability at a limit of liability not less than \$500,000 each occurrence for all owned, non-owned and hired automobiles. In the event the Vendor does not own any automobiles, the Business Auto Liability requirement shall be amended allowing the Vendor to agree to maintain only Hired and Non-Owned Auto Liability. This amended requirement may be satisfied by way of endorsement to the Commercial General Liability, or separate business auto coverage form.

Commercial General Liability: Commercial General Liability for public liability during the lifetime of this Contract shall have minimum limits of \$1,000,000 per claim, \$2,000,000 per occurrence for Personal Injury, Bodily Injury, and Property Damage Liability. Coverage shall include Premises and/or Operations, Independent Contractors, Products and/or Complete Operations, Contractual Liability and Broad Form Property Damage Endorsements. Coverage shall not contain an exclusion or limitation endorsement for Contractual Liability or Cross Liability. Coverage for the hazards of explosion, collapse and underground property damage (XCU) must also be included when applicable to the work to be performed. All insurance policies shall be issued from a company or companies duly licensed by the State of Florida. All policies shall be on an occurrence-made basis; the County shall not accept claims-made policies. Specific endorsements will be requested depending upon the type and scope of work to be performed.

Additional Insured Requirements: Certificates showing proof of the above required insurance shall be provided to the County prior to start of this contract and shall be attached hereto as Exhibit "C". Except as to Workers' Compensation and Employers' Liability, said Certificate(s) shall clearly state that coverage required by the Contract has been endorsed to include Nassau County, a political subdivision of the State of Florida, its officers, agents and employees as Additional Insured with a CG 2026-Designated Person or Organization endorsement, or similar endorsement, to its Commercial General Liability. The name for the Additional Insured endorsement issued by the insurer shall read "Nassau County, a political subdivision of the State of Florida, its officers, employees and agents". The Certificate of Insurance shall unequivocally provide thirty (30) days written notice to the County prior to any adverse changes, cancellation, or non-renewal of coverage thereunder. Said liability insurance must be acceptable by and approved by the County as to form and types of coverage. In the event that the statutory liability of the County is amended during the term of this Contract to exceed the above limits, the contractor shall be

required, upon thirty (30) days written notice by the County, to provide coverage at least equal to the amended statutory limit of liability of the County.

SECTION 26. Disputes

Any dispute arising under this Contract shall be addressed by the representatives of the County and the Consultant as set forth herein. Disputes shall be set forth in writing to the County Coordinator with a copy to the Department Head or Consultant, depending on which party initiates the dispute, and provided by overnight mail, UPS, FedEx, or certified mail. A response shall be provided in the same manner prior to the initial meeting with the County Coordinator, the Department Head (or their designee), and a representative of the Consultant. This initial meeting shall take place no more than thirty (30) days from the written notification of the dispute addressed to the County Coordinator.

If the dispute is not settled at the initial meeting, the County Coordinator shall immediately notify the County Attorney. The Department Head (or his/her designee), the County Attorney, the County Coordinator, and the Department Head (or their designee(s)) shall meet with the Consultant's representative(s) within thirty (30) days of the County Coordinator's notification to the County Attorney of the continued dispute.

If there is no satisfactory resolution, the claims, disputes, or other matters in question between the parties to this Agreement arising out of or relating to this Agreement or breach thereof, shall be submitted to mediation in accordance with mediation rules as established by the Florida Supreme Court. Mediators shall be chosen by the County and the cost of mediation shall be borne by the Consultant. If either party initiates a Court proceeding, and the Court orders, or the parties agree to, mediation, the cost of mediation shall be borne by the Consultant. Consultant shall not stop work during the pendency of mediation or dispute resolution. No litigation shall be initiated unless and until the procedures set forth herein are followed.

SECTION 27. Entire Agreement

The written terms and provisions of this contract shall supersede all prior verbal statements of any official or other representative of the County. Such statements shall not be effective or be construed as entering into, or forming a part of, or altering in any manner whatsoever, this Contract or contract documents.

IN WITNESS WHEREOF, the parties have executed this contract, in two (2) copies, each of which shall be deemed an original on this day and year first above written.

BOARD OF COUNTY COMMISSIONERS
NASSAU COUNTY, FLORIDA

BARRY V. HOLLOWAY
Its: Chair

Attest to authenticity of
Chair’s signature:

JOHN A. CRAWFORD
Its: Ex-Officio Clerk

Approved as to form by the
Nassau County Attorney

DAVID A. HALLMAN

[VENDOR]

By: _____
Its: _____

STATE OF _____
COUNTY OF _____

Before me personally appeared, _____, who is personally known
_____ or produced _____ as identification, known to be the person described in
and who executed the foregoing instrument, and acknowledged to and before me that he/she executed said
instrument for the purposes therein expressed.

WITNESS my hand and official seal, this _____ day of _____, 2009_.

Notary Signature

Notary-Public-State of _____ at large

My Commission expires:

EXHIBIT “2”

WEST NASSAU LANDFILL MONITORING INFORMATION

LIST OF TABLES

- 2-1 Semiannual Groundwater Parameters
 West Nassau Landfill
- 2-2 Initial Background Groundwater Parameters
 (June 2010 Parameters)
 West Nassau Landfill
- 2-3 Monitoring Well Data
 West Nassau Landfill
- 2-4 Surface Water Parameters
 West Nassau Landfill
- 2-5 Leachate Parameters
 West Nassau Landfill

LIST OF FIGURES

- 2-1 Monitoring Well, Surface Water, and Leachate Sampling Locations
 West Nassau Landfill

Table 2-1

**Semiannual Groundwater Parameters
West Nassau Landfill
Nassau County, Florida**

Field Parameters	
Static water level in wells	Turbidity
Specific conductivity	Temperature
pH	Colors and sheens (by observation)
Dissolved oxygen	

Laboratory Parameters	
Total ammonia - N	Sodium
Chlorides	Total dissolved solids (TDS)
Iron	Parameters listed in 40 CFR 258
Mercury	Appendix I
Nitrate	

Table 2-2

**Initial Background Groundwater Parameters
(June 2010 Parameters)
West Nassau Landfill
Nassau County, Florida**

Field Parameters	
Static water level in wells	Turbidity
Specific conductivity	Temperature
pH	Colors and sheens (by observation)
Dissolved oxygen	

Laboratory Parameters	
Total ammonia - N	Sodium
Chlorides	Total dissolved solids (TDS)
Iron	Parameters listed in 40 CFR 258
Mercury	Appendix I and Appendix II
Nitrate	

Table 2-3

**Monitoring Well Data
West Nassau Landfill
Nassau County, Florida**

Well ID	Top of Casing Elevation (ft, msl)	Total Depth (ft)
MW-25	25.29	36.20
MW-2	24.93	35.75
MW-3R	25.18	34.65
MW-4	23.71	28.75
MW-5	23.77	38.30
MW-8	23.69	28.75
MW-9	26.55	37.75
C-9	25.93	33.56
C-10	26.41	36.88
C-11	29.93	38.95
C-12	28.17	33.34
C-13	26.72	34.30
C-14	26.15	33.30
D-8	26.15	35.25
D-9	27.36	35.30
D-10	27.12	40.35
D-11	28.64	39.79
D-12	28.77	39.75
D-13	27.67	38.89
D-14	27.1	35.70
D-15	27.13	31.36
D-16	27.12	36.80
D-17	28.18	43.40

Table 2-4

**Surface Water Parameters
West Nassau Landfill
Nassau County, Florida**

Field Parameters	
Specific conductivity	Turbidity
pH	Temperature
Dissolved oxygen	Colors and sheens (by observation)

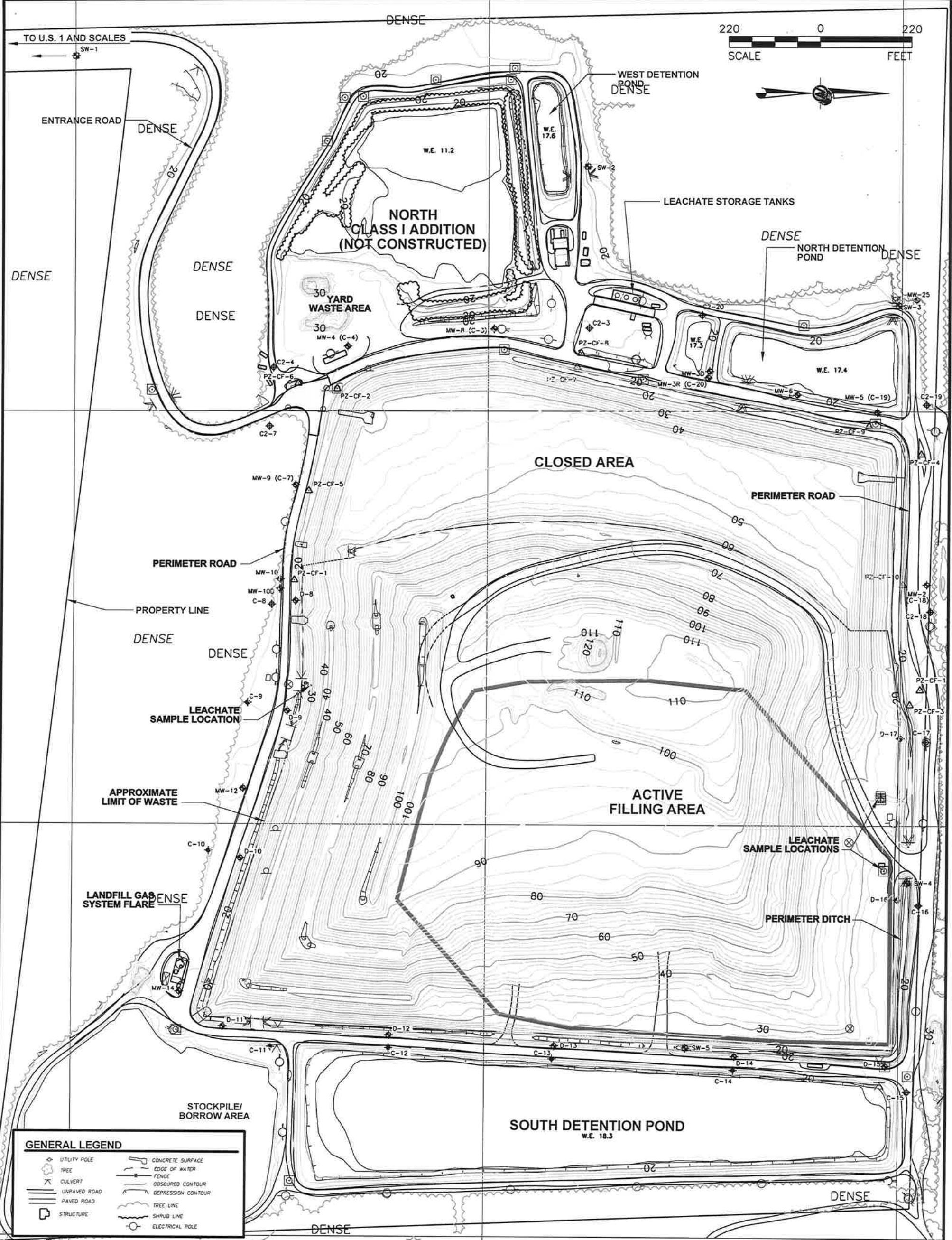
Laboratory Parameters	
Unionized ammonia - N	Total organic carbon (TOC)
Total hardness	Fecal coliform
Biochemical oxygen demand (BOD)	Total phosphates
Copper	Chlorophyll A
Iron	Total nitrogen
Mercury	Chemical oxygen demand (COD)
Nitrate	Total suspended solids (TSS)
Zinc	Parameters listed in 40 CFR 258
Total dissolved solids (TDS)	Appendix I

Table 2-5

**Leachate Parameters
West Nassau Landfill
Nassau County, Florida**

Field Parameters	
Specific conductivity	Dissolved oxygen
pH	Colors and sheens (by observation)

Laboratory Parameters	
Total ammonia - N	Nitrate
Bicarbonate	Sodium
Chlorides	Total dissolved solids (TDS)
Iron	Parameters listed in 40 CFR 258
Mercury	Appendix II



GENERAL LEGEND

- UTILITY POLE
- TREE
- CULVERT
- UNPAVED ROAD
- PAVED ROAD
- STRUCTURE
- CONCRETE SURFACE
- EDGE OF WATER
- FENCE
- DISBURSED CONTOUR
- DEPRESSION CONTOUR
- TREE LINE
- SHRUB LINE
- ELECTRICAL POLE

SYMBOL LEGEND

- MW-25 DETECTION WELL
- SW-2 SURFACE WATER SAMPLE
- PZ-CF-1 LEACHATE SAMPLE LOCATION
- PZ-CF-1 PIEZOMETER
- C-9 COMPLIANCE WELL - INSTALLED OUTSIDE CLASS I SLURRY WALL
- C-16 COMPLIANCE WELL - PROPOSED FUTURE (IF REQUIRED)

SURVEYOR'S NOTES

1.) North, the grid, and the coordinates shown hereon are referenced to an assumed datum based on control provided by client.

2.) Elevations are to a site/plant datum based on control provided by client.

3.) This Topographic & Quantity Survey was prepared by photogrammetric methods. This map is limited to those features visible on aerial photography.

REFERENCES

1.) Base map taken from CADD file prepared by Pickett & Associates, Inc. titled "Topographic Survey, Nassau County Landfill", Project No. 10273-11B, Drawing No. LD 4288, dated 05/14/09, date of flight 05/01/09.

2.) Detection well, piezometer, and compliance well locations taken from coordinates supplied on surveyors drawing prepared by R.E. Holland & Associates, Inc., Work Order No. 108.02, Project & Drawing No. 1200, dated 02/27/02.

3.) Surface water and leachate sample locations are approximate.

FIGURE 2-1

PROJECT No. 993-3928	FILE No. 9933928-Z002	REV. 0 SCALE AS SHOWN	DESIGN WDK 07/27/09	CADD BCL 07/28/09	CHECK DEG 07/28/09	REVIEW WDK 07/28/09
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TITLE	PROJECT
MONITORING WELL, SURFACE WATER, AND LEACHATE SAMPLING LOCATIONS WEST NASSAU LANDFILL	WATER QUALITY MONITORING SERVICES RFP NASSAU COUNTY/FL

Golder Associates
Jacksonville, Florida

EXHIBIT “3”

LOFTON CREEK LANDFILL/MEADOWFIELD BLUFF SUBDIVISION MONITORING INFORMATION

LIST OF TABLES

- 3-1 Semiannual Groundwater Parameters
 Lofton Creek Landfill
- 3-2 Initial Background Groundwater Parameters
 (November 2011 Parameters)
 Lofton Creek Landfill
- 3-3 Monitoring Well Data
 Lofton Creek Landfill
- 3-4 Surface Water Analytical Parameters
 Lofton Creek Landfill

LIST OF FIGURES

- 3-1 Monitoring Well and Surface Water Sampling Locations
 Lofton Creek Landfill

Table 3-1

Semiannual Groundwater Parameters

Lofton Creek Landfill

Nassau County, Florida

Field Parameters	
Static water level in wells	pH
Specific conductivity	
Indicator Parameters	
Ammonia	Sodium
Bicarbonate	Total Dissolved Solids (TDS)
Dissolved Oxygen (DO)	Total Organic Carbon (TOC)
Nitrates	Turbidity
Inorganic Parameters	
Arsenic	Iron
Cadmium	Lead
Chromium	Mercury
Laboratory Parameters	
Conductivity	Sodium
Chlorides	
VOCs	
Bromodichloromethane	trans-1,2-Dichloroethene
Bromoform	cis-1,3-Dichloropropene
Bromomethane	trans-1,3-Dichloropropene
Carbon Tetrachloride	1,2-Dichloropropane
Chlorobenzene	Methylene Chloride
Chloroethane	1,1,2,2-Tetrachlorethane
2-Chloroethylvinyl ether	Tetrachloroethene
Chloroform	1,1,1-Trichloroethane
Chloromethane	1,1,2-Trichloroethane
Dibromochloromethane	Trichloroethene
1,2-Dichlorobenzene	Trichlorofluoromethane
1,3-Dichlorobenzene	Vinyl Chloride
1,4-Dichlorobenzene	Benzene
Dichlorodifluoromethane	Ethylbenzene
1,1-Dichlorethane	Toluene
1,1-Dichlorethane	Xylenes
1,2-Dichlorethane	

Table 3-2

**Initial Background Groundwater Parameters
(November 2011 Parameters)
Lofton Creek Landfill
Nassau County, Florida**

Field Parameters	
Static water level in wells	Turbidity
Specific conductivity	Temperature
pH	Colors and sheens (by observation)
Dissolved oxygen	

Laboratory Parameters	
Total ammonia - N	Sodium
Chlorides	Total dissolved solids (TDS)
Iron	Parameters listed in 40 CFR 258
Mercury	Appendix I and II
Nitrate	

Table 3-3

**Monitoring Well Data
Lofton Creek Landfill
Nassau County, Florida**

Well ID	Top of Casing Elevation (ft, msl)	Total Depth (ft)
MW-1S	32.21	21.00
MW-1I	32.1	57.47
MW-1D	31.99	100
MW-2S	24.7	21.65
MW-2I	26.69	59.03
MW-2D	25.7	100
MW-3S	14.99	22.90
MW-3I	15.21	57.00
MW-3D	15.44	100
MW-4S	23.88	19.85
MW-4I	24.73	57.65
MW-4D	24.88	100
MW-5S	19.81	18.47
MW-5I	17.16	47.40
MW-5D	16.78	96.70
MW-6S	18.39	11.55
MW-6I	18.13	57.50
MW-6D	18.1	100
MW-7S	27.6	16.85
MW-7I	28.59	57.65
MW-7D	28.68	100
MW-8S	28.27	22.70
MW-8I	28.9	57.92
MW-8D	28.37	100
MW-9S	26.94	23.70
MW-9I	27.02	47.80
MW-9D	26.89	100
MW-10S	22.46	23.24
MW-10I	22.96	58.65
MW-10D	21.67	100
MW-12S	20.49	23.36
MW-12I	20.66	52.72
MW-12D	20.64	85.30
MW-13S	26.57	23.50
MW-13I	26.77	57.65
MW-13D	26.74	100
MW-15S	20.59	12.00
MW-15I	21.57	40.00
MW-15D	21.52	100.0
MW-18S	10.67	19.00
MW-18I	10.91	57.00
MW-18D	10.74	100
MW-19S	8.16	20.70
MW-19I	8.32	57.81
MW-19D	11.41	100
MW-21S	9.18	15.00
MW-21I	9.1	43.73
MW-21D	13.08	100
MW-22S	7.71	16.00
MW-22I	7.80	49.68
MW-22D	10.8	100
MW-23S	10.81	13.30
MW-23I	10.74	47.73
MW-23D	10.77	42.00
MW-25S		14.37
MW-25I		39.54
MW-25D	11.39	85.54

Table 3-4

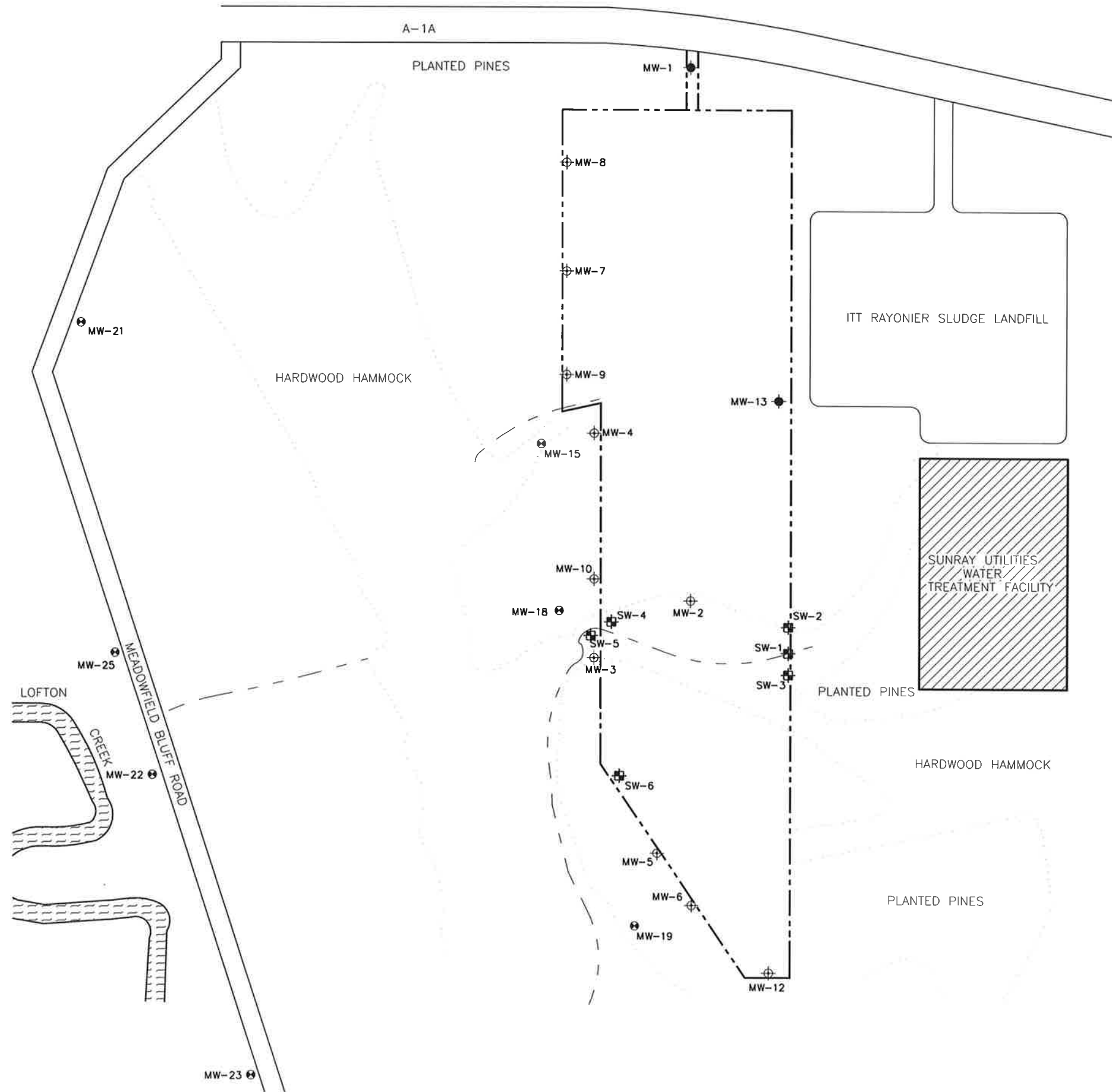
**Surface Water Analytical Parameters
Lofton Creek Landfill
Nassau County, Florida**

Field Parameters	
Static water level in wells	Water Temperature
Specific conductivity	Total Depth
pH	Sample Depth
Dissolved Oxygen (DO)	Stream Velocity
Turbidity	Secchi
Temperature	Odors, Colors, Sheens

Laboratory Parameters	
Conductivity	Fluoride
pH	Chemical Oxygen Demand (COD)
Alkalinity	Total Nitrogen
Total Dissolved Solids (TDS)	Ammonium (NH ₄)
Total Dissolved Volatile Solids (TDVS)	Arsenic
Total Suspended Solids (TSS)	Bicarbonate
Total Volatile Solids (TVS)	Biochemical Oxygen Demand (BOD ₅)
Total Fixed Solids (TFS)	Cadmium
Ammonia (NH ₃)	Chromium
Total Kjeldahl Nitrogen (TKN)	Copper
Nitrite + Nitrate (NO ₂ + NO ₃)	Iron
TPO ₄	Lead
OPO ₄	Mercury
Hardness	Nitrate
Chloride	Sodium
Sulfate	Total Organic Carbon (TOC)
Zinc	

VOCs	
Bromodichloromethane	trans-1,2-Dichloroethene
Bromoform	cis-1,3-Dichloropropene
Bromomethane	trans-1,3-Dichloropropene
Carbon Tetrachloride	1,2-Dichloropropane
Chlorobenzene	Methylene Chloride
Chloroethane	1,1,2,2-Tetrachlorethane
2-Chloroethylvinyl ether	Tetrachloroethene
Chloroform	1,1,1-Trichloroethane
Chloromethane	1,1,2-Trichloroethane
Dibromochloromethane	Trichloroethene
1,2-Dichlorobenzene	Trichlorofluoromethane
1,3-Dichlorobenzene	Vinyl Chloride
1,4-Dichlorobenzene	Benzene
Dichlorodifluoromethane	Toluene
1,1-Dichlorethane	Ethyl Benzene
1,1-Dichlorethene	Xylenes
1,2-Dichlorethane	

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LEGEND

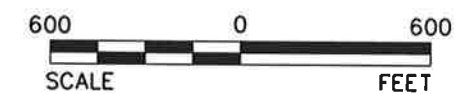
	BUILDING
	LOFTON CREEK
	PROPERTY BOUNDARY
	PLANTED PINES
	COMPLIANCE WELL CLUSTERS
	SURFACE WATER SAMPLE LOCATION
	BACKGROUND WELL CLUSTERS
	ASSESSMENT WELL CLUSTERS

NOTES

- 1.) WELL AND PIEZOMETER LOCATIONS ARE APPROXIMATE.
- 2.) ALL WELL LOCATIONS CONSIST OF THREE WELL CLUSTERS EXCEPT AS DENOTED BY THE DESIGNATION OF "D" WHICH INDICATES A DEEP WELL ONLY.

REFERENCES

- 1.) LAYOUT AND LANDFILL WELL LOCATIONS OBTAINED FROM SPECTRUM DATA SOLUTIONS, INC. DRAWING NAMED "LOFTON 3/99".
- 2.) MONITORING WELL LOCATIONS OUTSIDE LANDFILL OBTAINED FROM NASSAU COUNTY SOLID WASTE DEPARTMENT, DRAWING UNTITLED.



WATER QUALITY MONITORING
SERVICES RFP
NASSAU COUNTY/FL

MONITORING WELL AND SURFACE
WATER SAMPLE LOCATIONS
LOFTON CREEK LANDFILL

TITLE		
PROJECT No. 993-3928		
FILE No. 9933928-2003		
REV. 0	SCALE	AS SHOWN
DESIGN	WDK	07/27/09
CADD	BCL	07/28/09
CHECK	DEG	07/28/09
REVIEW	WDK	07/28/09

FIGURE 3-1

EXHIBIT “4”

BRYCEVILLE LANDFILL MONITORING INFORMATION

LIST OF TABLES

- 4-1 Semiannual Groundwater Parameters
 Bryceville Landfill
- 4-2 Initial Background Groundwater Parameters
 (November 2011 Parameters)
 Bryceville Landfill
- 4-3 Monitoring Well Data
 Bryceville Landfill
- 4-4 Surface Water Analytical Parameters
 Bryceville Landfill

LIST OF FIGURES

- 4-1 Monitoring Well and Surface Water Sampling Locations
 Bryceville Landfill

Table 4-1

**Semiannual Groundwater Parameters
Bryceville Creek Landfill
Nassau County, Florida**

Field Parameters	
Static water level in wells	pH
Specific conductivity	
Inorganic Parameters	
Arsenic	Iron
Cadmium	Lead
Chromium	Mercury
Laboratory Parameters	
Conductivity	Sodium
Chlorides	
VOCs	
Bromodichloromethane	1,2-Dichlorethane
Bromoform	trans-1,2-Dichloroethene
Bromomethane	cis-1,3-Dichloropropene
Carbon Tetrachloride	trans-1,3-Dichloropropene
Chlorobenzene	1,2-Dichloropropane
Chloroethane	Methylene Chloride
2-Chloroethylvinyl ether	1,1,2,2-Tetrachlorethane
Chloroform	Tetrachloroethene
Chloromethane	1,1,1-Trichloroethane
Dibromochloromethane	1,1,2-Trichloroethane
1,2-Dichlorobenzene	Trichloroethene
1,3-Dichlorobenzene	Trichlorofluoromethane
1,4-Dichlorobenzene	Vinyl Chloride
Dichlorodifluoromethane	Toluene
1,1-Dichlorethane	Ethyl Benzene
Benzene	Xylenes
1,1-Dichlorethane	

Table 4-2

**Initial Background Groundwater Parameters
(November 2011 Parameters)
Bryceville Landfill
Nassau County, Florida**

Field Parameters	
Static water level in wells	Turbidity
Specific conductivity	Temperature
pH	Colors and sheens (by observation)
Dissolved oxygen	

Laboratory Parameters	
Total ammonia - N	Sodium
Chlorides	Total dissolved solids (TDS)
Iron	Parameters listed in 40 CFR 258
Mercury	Appendix I and II
Nitrate	

Table 4-3

**Monitoring Well Data
Bryceville Landfill
Nassau County, Florida**

Well ID	Top of Casing Elevation (ft, msl)	Total Depth (ft)
MW -1	85.23	32.70
MW-2S	87.02	55.52
MW-2I	87.12	35.44
MW-3S	80.49	32.82
MW-3I	84.77	64.86
MW-4S	78.33	31.00
MW-4I	77.53	62.51
MW-4D	76.79	111
MW-5S	79.92	31.93
MW-5I	79.95	62.51
MW-6S	85.49	37.53
MW-6I	84.97	61.50

Table 4-4

**Surface Water Parameters
Bryceville Landfill
Nassau County, Florida**

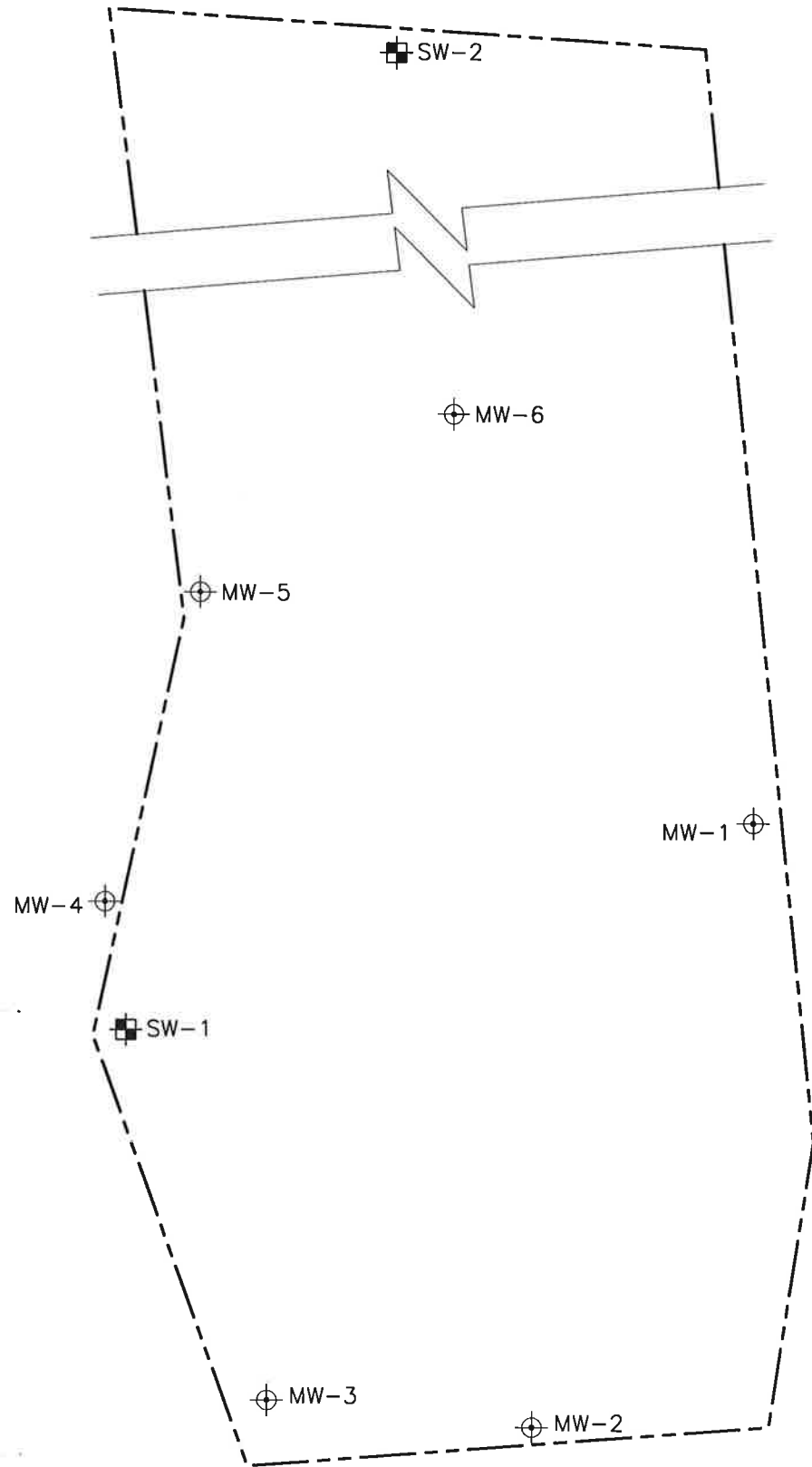
Field Parameters	
Specific conductivity	Total Depth
pH	Sample Depth
Dissolved Oxygen (DO)	Stream Velocity
Turbidity	Secchi
Temperature	Odors, Colors, Sheens
Water Temperature	

Laboratory Parameters	
Conductivity	Fluoride
pH	Chemical Oxygen Demand (COD)
Alkalinity	Total Nitrogen
Total Dissolved Solids (TDS)	Ammonium (NH ₄)
Total Dissolved Volatile Solids (TDVS)	Arsenic
Total Suspended Solids (TSS)	Bicarbonate
Total Volatile Solids (TVS)	Biochemical Oxygen Demand (BOD ₅)
Total Fixed Solids (TFS)	Cadmium
Ammonia (NH ₃)	Chromium
Total Kjeldahl Nitrogen (TKN)	Copper
Nitrite + Nitrate (NO ₂ + NO ₃)	Iron
TPO ₄	Lead
OPO ₄	Mercury
Hardness	Nitrate
Chloride	Sodium
Sulfate	Total Organic Carbon (TOC)
Zinc	

VOCs	
Bromodichloromethane	trans-1,2-Dichloroethene
Bromoform	cis-1,3-Dichloropropene
Bromomethane	trans-1,3-Dichloropropene
Carbon Tetrachloride	1,2-Dichloropropane
Chlorobenzene	Methylene Chloride
Chloroethane	1,1,2,2-Tetrachloroethane
2-Chloroethylvinyl ether	Tetrachloroethene
Chloroform	1,1,1-Trichloroethane

VOCs	
Chloromethane	1,1,2-Trichloroethane
Dibromochloromethane	Trichloroethene
1,2-Dichlorobenzene	Trichlorofluoromethane
1,3-Dichlorobenzene	Vinyl Chloride
1,4-Dichlorobenzene	Benzene
Dichlorodifluoromethane	Toluene
1,2-Dichloroethane	Ethyl Benzene
1,1-Dichloroethene	Xylenes

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LEGEND

---	PROPERTY BOUNDARY
⊕ MW-1	SHALLOW MONITORING WELL CLUSTER
⊕ SW-1	SURFACE WATER SAMPLE LOCATION

REFERENCES

1.) BASE MAP TAKEN FROM SCANNED COPY OF BRYCEVILLE LANDFILL, SITE MAP BIENNIAL MONITORING REPORT, FIGURE 1, PREPARED BY SPECTRUM DATA SOLUTIONS, INC. (SDS).



WATER QUALITY MONITORING
SERVICES RFP
NASSAU COUNTY/FL

MONITORING WELL AND SURFACE
WATER SAMPLING LOCATIONS
BRYCEVILLE LANDFILL

TITLE

PROJECT No.	993-3928
FILE No.	9933928-2004
REV. 0	SCALE AS SHOWN
DESIGN	WDK 07/27/09
CADD	BCL 07/28/09
CHECK	DEG 07/28/09
REVIEW	WDK 07/28/09

FIGURE 4-1