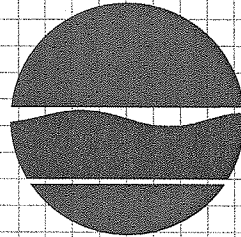


REMEDIAL DESIGN WORK PLAN



CUBA LANDFILL SITE

Village of Cuba, Allegany County, New York
(Site Registry No. 9-02-012)

WORK ASSIGNMENT NO. D004446-13.1

Prepared For

**New York State Department
of Environmental Conservation**

JULY 2007



DVIRKA AND BARTILUCCI
CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSULICH ASSOCIATES, P.C.

**REMEDIAL DESIGN
WORK PLAN**

**CUBA LANDFILL SITE
SITE NO. 9-02-012
VILLAGE OF CUBA
ALLEGANY COUNTY, NEW YORK**

WORK ASSIGNMENT NO. D004446-13.1

Prepared for:

**NEW YORK STATE DEPARTMENT
OF ENVIRONMENTAL CONSERVATION**

Prepared by:

**DVIRKA AND BARTILUCCI CONSULTING ENGINEERS
WOODBURY, NEW YORK**

JULY 2007

**CUBA LANDILL SITE
 SITE NO. 9-02-012
 VILLAGE OF CUBA
 ALLEGANY COUNTY, NEW YORK
 REMEDIAL DESIGN
 WORK PLAN**

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1.0 SCOPE OF WORK

1.1 Task 1 – Engineering Design Services

This is the existing task for the project which originally included budget to provide continued engineering design services as the Department proceeded with obtaining easements for the original design. This task has been utilized for the scoping of the redesign of the project including a meeting in Albany. This task also includes the preparation of a formal scope of work along with revised Schedule 2.11 forms for the amendment. The amendment is the result of the completion of Task 1 using the existing budget.

1.2 Task 2 – Field Investigation

Approximately 11 test trenches will be excavated in the southeastern and south western portions of the landfill to evaluate the characteristics of the waste being considered for reconsolidation and to develop an estimate of the quantity of waste to be consolidated from these areas. The estimated locations of the test trenches are shown on Figure 1-1. In addition, four test pits will be excavated in the central portion of the site to evaluate the soil in this area for use as borrow soil. The protocol for test pit and test trench excavation, sampling and backfill will be as follows:

- Vegetation and topsoil from the surface of the test pit/trench will be removed and temporarily stored on one side of the test pit/trench.
- Deeper excavated soil and waste will be placed on the side of the test pit/trench in a separate location from the vegetation and topsoil.
- A log of excavation and sample collection will be maintained by a geologist. In general, excavation will be terminated when virgin soil or bedrock is encountered. Each test pit/trench will be photographed during excavation.
- The excavation will be filled in the reverse order of soil/waste removal.

LEGEND

MONITORING WELL (MW)

PIEZOMETER (PZ)

WASTE DISPOSAL TRENCH (WDT)

PROPERTY BOUNDARY

APPROXIMATE LIMITS OF WASTE

TEST PIT (TP)

SECTION OF TEST PIT IN WHICH WASTE WAS NOT ENCOUNTERED

SECTION OF TEST PIT IN WHICH WASTE WAS ENCOUNTERED

PROPOSED TEST PIT (TP-52)

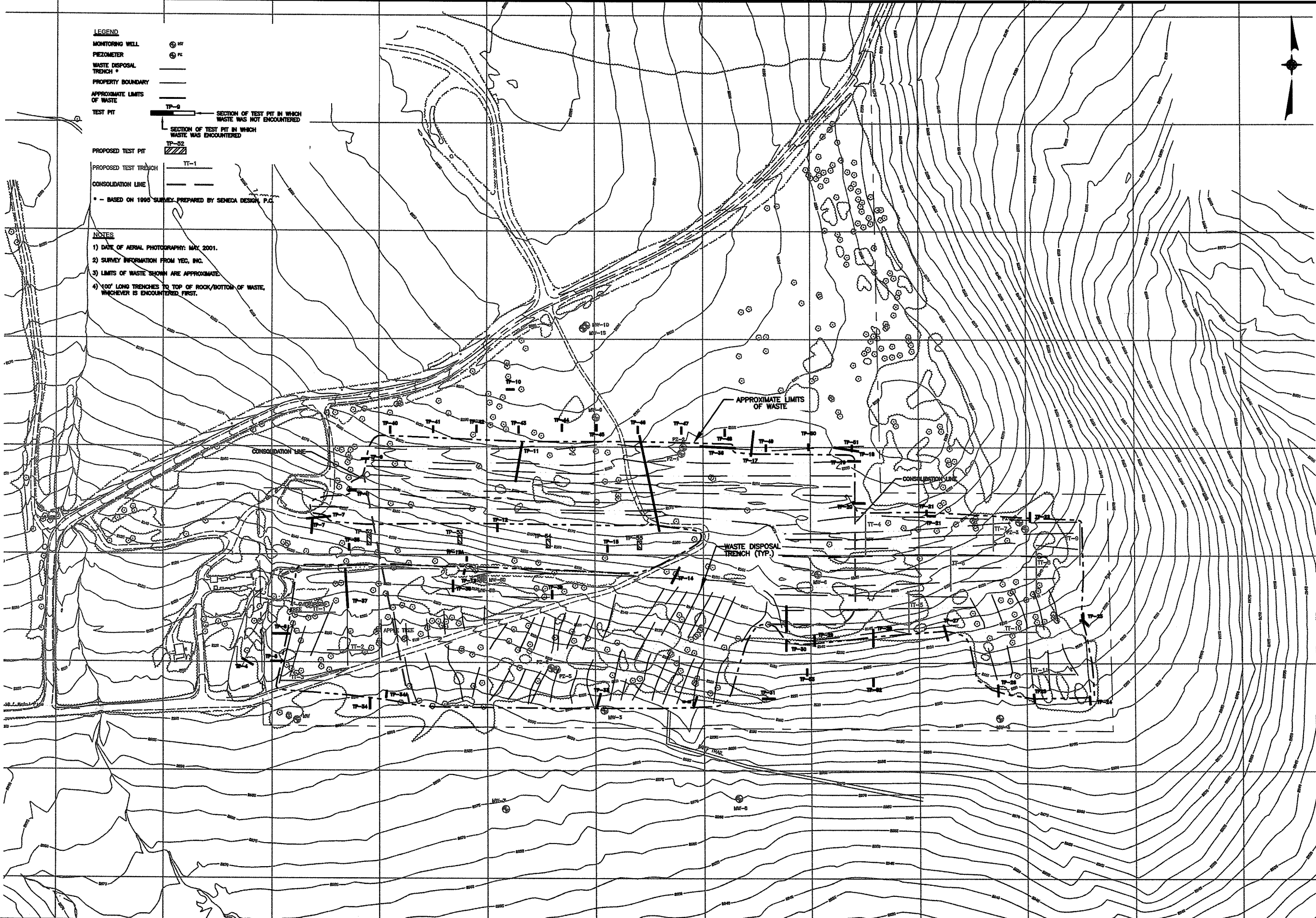
PROPOSED TEST TRENCH (TT-1)

CONSOLIDATION LINE

--- BASED ON 1990 SURVEY PREPARED BY SENECA DESIGN, P.C.

NOTES

- 1) DATE OF AERIAL PHOTOGRAPHY: MAY 2001.
- 2) SURVEY INFORMATION FROM YEC, INC.
- 3) LIMITS OF WASTE SHOWN ARE APPROXIMATE.
- 4) 100' LONG TRENCHES TO TOP OF ROCK/BOTTOM OF WASTE, WHICHEVER IS ENCOUNTERED FIRST.



F:\2600\2600-PL01.dwg, 42x30, 7/12/2007 3:31:56 PM, DCortez

NO.	DATE	REVISION	BY

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.

PROJECT CHIEF: XXXX DRAWN: XXXX

DESIGNED BY: XXXX CHECKED BY: XXXX

db Dvirka and Bartilucci
CONSULTING ENGINEERS
A DIVISION OF WILLIAM F. COSALUCH ASSOCIATES, P.C.

CUBA LANDFILL SITE
VILLAGE OF CUBA, NEW YORK
ALLEGANY COUNTY NEW YORK

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

PROPOSED LOCATIONS OF TEST TRENCHES AND TEST PITS

PROJECT NO. 2600
DATE: JUNE 2007
SCALE: 1"=50'

FIG. 1-1

- Final cover will use the soil initially removed and placed separately. If this is not sufficient, clean soil from the surrounding area will be placed on top of the test pit/trench to cover replaced waste.

During test pit/trench construction, air monitoring will be performed for fugitive dust and organic vapors. Fugitive dust will be monitored using a portable dust indicator and organic vapors will be screened using a PID. Explosive gases will be monitored using a combustible gas indicator. In general, only the backhoe bucket which will come into contact with contaminated soil will require decontamination. Decontamination of the bucket will be performed upon arrival at the site, prior to commencing any excavation in the area defined for potential borrow soil. Prior to departure of the backhoe from the site the bucket and tires of the backhoe will be cleaned. Decontamination water will be disposed of on-site.

A total of four samples, one from each of the test pits in the potential borrow area, will be collected for physical characteristics including grain size analysis (ASTM D-422), standard proctor compaction (ASTM D-698) and liquid limit/plastic limit/plasticity index (ASTM D-4318). In addition, each of the samples will be analyzed for target compound list (TCL) and target analyte list (TAL) organic and inorganic parameters. Soil samples will be collected from within the unsaturated zone using a sterile polystyrene scoop. Soil will be placed in laboratory pre-cleaned sample containers. The sample containers will be labeled and placed in a cooler for shipment to the laboratory. Required chain-of-custody information will be recorded. Samples will be shipped to a NYSDEC laboratory for analysis.

Unless a suspected hazardous waste source is encountered by visual observation, no samples will be collected from the test trenches. If suspected hazardous waste is encountered, the D&B field representative will contact the D&B project manager and NYSDEC project manager to discuss the need for chemical analysis of the material encountered.

It is our understanding the NYSDEC will arrange for a contractor to excavate the test pits/trenches as well as a laboratory to perform both the physical and chemical analysis on the soil. NYSDEC will also provide a photoionization detector, water level indicator and GPS unit

for use during the field investigation. D&B will provide field oversight to log the test pits/trenches and will collect the samples and prepare samples for shipment to the designated laboratory. The results of the logging will be summarized in a letter report to NYSDEC.

1.3 Task 3- Plans and Specifications

Draft and final plans and specifications will be prepared for the purpose of competitively bidding the proposed work in conformance with the NYSDEC's most recent standard contract documents. Prior to initiation of this phase of the work, in accordance with your letter, D&B has included costs for a project kickoff meeting in Albany to finalize assumptions associated with the redesign.

At the completion of the field investigation, a subgrade grading plan will be developed and will be submitted for NYSDEC review and comment prior to advancement of the draft design.

Although many of the existing specifications may be suitable for reuse, the entire document will be reviewed and updated as necessary. Specifically, and as noted in your letter, the specification sections that will require more extensive revisions include the Division 4 – Landfill Capping System including the geomembrane, geocomposite and gas venting layer specifications and Division 5 – Excavation, Handling and Storage of Buried Drums and Contaminated Soils.

Storm water calculations and veneer stability calculations will be recreated as necessary for the redesign. In addition, the groundwater interceptor trench design will be evaluated and the construction cost estimate will also be revised. An Engineering Design Report will be prepared to present the storm water calculations, veneer stability calculations, construction cost estimate, groundwater interceptor trench evaluation, basis of design and other assumptions associated with the redesign.

It is anticipated that copies of the Contract Documents including plans, specifications and the Engineering Design Report will be prepared and submitted to NYSDEC at approximately 75% completion. Comments on the 75% submittal will be incorporated into a final draft. Final comments will be incorporated into the final draft which will then be copied for bidding.

This task also includes budget for providing 50 copies of the plans and specifications to the NYSDEC for bidding. The drawings and specifications will be stamped and signed by a New York State Licensed Professional Engineer.

2.0 PROJECT MANAGEMENT

2.1 Project Schedule and Key Milestones/Reports

A project schedule for the remedial design for the Cuba Landfill site is provided on Table 2-1. Key milestones are identified in order to monitor work progress. Specific deadlines for completion of tasks and subtasks are established throughout the project to ensure timely completion of work. The following is the list of the milestones for this project:

1. Submittal of Draft Work Plan
2. Submittal of Draft Subgrade Grading Plan
3. Submittal of 75% Plans and Specifications (if required by NYSDEC)
4. Submittal of Engineering Design Report
5. Submittal of Draft Cost Estimate
6. Submittal of Final Contract Documents and Final Cost Estimate

2.2 Project Management, Organization and Key Technical Personnel

Dvirka and Bartilucci Consulting Engineers will be the prime consultant responsible for preparation of the remedial design. Subcontractors that are expected to be used on the project include the following:

- Jamaica Blueprint Company, Inc. (WBE) – document reproduction

**Table 2-1
Project Schedule
Cuba Landfill Site**

Item	Action	Start Date	Duration (weeks)	Completion Date
Task 1	Engineering Design Services			
1A	Engineering Design Services	10/1/2006	34	5/27/2007
1B	Work Plan Amendment			
1B1	Draft Amendment to NYSDEC	6/15/2007	2	6/29/2007
1B2	Revision of Draft Amendment	6/29/2007	1	7/6/2007
1B3	Final Amendment to NYSDEC	7/6/2007	1	7/13/2007
1B4	Notice to Proceed	7/13/2007	2	7/27/2007
Task 2	Field Investigation			
2A	Field Investigation	7/27/2007	3	8/17/2007
2B	Letter Report	8/17/2007	2	8/31/2007
Task 3	Redesign			
3A	Draft Subgrade Plan	8/17/2007	2	8/31/2007
3B	Draft Design (75%) to NYSDEC	9/10/07	8	11/5/2007
3C	Engineering Analysis	9/10/07	8	11/5/2007
3D	Final Design to NYSDEC	11/19/07	3	12/10/2007
3E	Engineering Design Report	11/19/07	3	12/10/2007
Task 4	Pre-Award Services			
4A	Pre-Bid Conference			1
4B	Addenda			1
4C	Bid Review			1

¹ Schedule to be determined.

3.0 SCHEDULE 2.11 FORMS

SCHEDULE 2.11 (a)

Summary of Work Assignment Price Cuba Landfill

Work Assignment Number: D004446-13.1

1.	Direct Salary Costs (Schedules 2.10 (a) and 2.11(b))	\$45,575
2.	Indirect Costs (Schedule 2.10 (g))	\$68,818
3.	Direct Non-Salary Costs (Schedules 2.11 (c) and (d))	\$9,728

Subcontract Costs

Cost-Plus-Fixed-Fee Subcontracts (Schedules 2.11(e))

<u>Name of Subcontractor</u>	<u>Services To Be Performed</u>	<u>Subcontract Price</u>
		<hr/>
4.	Total Cost-Plus-Fixed-Fee Subcontracts	\$0

Unit Price Subcontracts (Schedules 2.11(f))

<u>Name of Subcontractor</u>	<u>Services To Be Performed</u>	<u>Subcontract Price</u>
Jamaica Blueprint	Printing of Drawings and Specifications	\$3,931
5.	Total Unit Price Subcontracts	<hr/> \$3,931
6.	Subcontract Management Fee	\$197
7.	Total Subcontract Costs (lines 4 + 5 + 6)	\$4,128
8.	Fixed Fee (Schedule 2.10 (h))	\$13,155
9.	Total Work Assignment Price (lines 1 + 2 + 3 + 7 +8)	\$141,404

SCHEDULE 2.11 (b)

SUMMARY

Cuba Landfill

Work Assignment Number: D004446-13.1

NSPE	IX	VIII	VII	VI	V	IV	III	II	I	TOTAL HOURS
as of 1/1/06	\$61.60	\$54.95	\$51.32	\$45.44	\$36.10	\$33.51	\$29.09	\$23.13	\$18.10	
as of 1/1/07	\$63.45	\$56.60	\$52.86	\$46.80	\$37.18	\$34.52	\$29.96	\$23.82	\$18.64	
as of 1/1/08	\$65.99	\$58.86	\$54.97	\$48.68	\$38.67	\$35.90	\$31.16	\$24.78	\$19.39	
Task 1	6	0	0	8	116	0	0	68	0	198
Task 2	1	0	0	0	16	0	160	4	0	181
Task 3	2	16	0	348	224	0	144	88	0	822
Task 4	0	0	0	8	8	0	16	8	0	40
Subtotal 2006 Hours	4	0	0	8	68	0	0	36	0	116
Subtotal 2007 Hours	5	16	0	348	288	0	304	124	0	1,085
Subtotal 2008 Hours	0	0	0	8	8	0	16	8	0	40
Total Hours	9	16	0	364	364	0	320	168	0	1,241
Total Direct Labor Cost	\$564	\$906	\$0	\$17,040	\$13,473	\$0	\$9,607	\$3,985	\$0	\$45,575

SCHEDULE 2.11 (b)1

Direct Administrative Labor Hours Budgeted

Cuba Landfill

Work Assignment Number: D0044446-13.1

NSPE	IX	VIII	VII	VI	V	IV	III	II	I	TOTAL HOURS
as of 1/1/06	\$61.60	\$54.95	\$51.32	\$45.44	\$36.10	\$33.51	\$29.09	\$23.13	\$18.10	
as of 1/1/07	\$64.06	\$57.15	\$53.37	\$47.26	\$37.54	\$34.85	\$30.25	\$24.06	\$18.82	
as of 1/1/08	\$66.63	\$59.43	\$55.51	\$49.15	\$39.05	\$36.24	\$31.46	\$25.02	\$19.58	
Task 1	2	0	0	0	5	0	0	20	0	27
Task 2	0	0	0	0	2	0	0	4	0	6
Task 3	0	0	0	0	2	0	0	6	0	8
Task 4	0	0	0	0	2	0	0	6	0	8
Subtotal 2006 Hours	1	0	0	0	4	0	0	4	0	9
Subtotal 2007 Hours	1	0	0	0	3	0	0	20	0	24
Subtotal 2008 Hours	0	0	0	0	4	0	0	12	0	16
Total Hours	2	0	0	0	11	0	0	36	0	49
Total Direct Labor Cost	\$126	\$0	\$0	\$0	\$413	\$0	\$0	\$874	\$0	\$1,413

SCHEDULE 2.11(b)2

Cuba Landfill

Work Assignment Number: D004446-13.1

BREAKDOWN OF ADMINISTRATIVE

LOE HOURS

ADMIN ACTIVITY	WORK PLAN DEVELOPMENT									REVIEW WORK ASSIGNMENT (WA) PROGRESS																	
	Conflict of Interest Checks			Prepare 2.11 Schedules			Conduct Progress Reviews			Prepare Monthly Report & Update Schedules			MBE/WBE Activities			Program Management											
	IX	VIII	VII	VI	V	IV	III	II	I	IX	VIII	VII	VI	V	IV	III	II	I	IX	VIII	VII	VI	V	IV	III	II	I
NSPE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Task 1					4									1													
Task 2														1													1
Task 3														1													1
Task 4														1													1
TOTAL	0	0	0	0	0	4	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	2	

ADMIN ACTIVITY	CAP PREPARATION									MISCELLANEOUS									Total Adm. LOE (hrs)							
	Prepare Monthly Cost Control Report & CAP			Oversee CAP			Update NSPE List			Equipment Use and Inventory			Word Proc. and Report Preparation													
	VIII	VII	VI	V	IV	III	II	I	IX	VIII	VII	VI	V	IV	III	II	I	IX	VIII	VII	VI	V	IV	III	II	I
NSPE	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	
Task 1							16			2						4									20	
Task 2							2									2									4	
Task 3							4									2									6	
Task 4							4									2									6	
TOTAL	0	0	0	0	0	0	26	0	2	0	0	0	0	0	0	10	2	0	0	0	0	0	0	0	36	

SCHEDULE 2.11 (c)
DIRECT NON-SALARY COSTS

Cuba Landfill

Work Assignment Number: D004446-13.1

ITEM	MAXIMUM REIMBURSEMENT RATE	UNIT	ESTIMATED NUMBER OF UNITS	TOTAL ESTIMATED COSTS
OUTSIDE SERVICES				
Sample Shipping	\$75.00	package	4	\$300.00
Express Mail	\$15.00	package	18	\$270.00
Photographs/Slides	\$200.00	lump sum	1	\$200.00
Printing	\$50.00	report	0	\$0.00
EQUIPMENT				
Personal Protective Equipment (Level D)	\$16.62	person day	13	\$216.06
TRAVEL				
Transportation (Personal Car)	\$0.485	mile	900	\$436.50
Tolls	\$9.00	trip	8	\$72.00
Van Rental	\$400.00	week	4	\$1,600.00
Car Rental	\$50.00	day	3	\$150.00
Gas	\$10.00	day	27	\$270.00
Airfare	\$300.00	trip	7	\$2,100.00
Parking	\$50.00	day	6	\$300.00
Hotel	\$67.50	day	16	\$1,080.00
Meals	\$39.00	day	19	\$741.00
TOTAL DIRECT NON-SALARY COSTS				\$7,735.56

**Schedule 2.11(c)1
Direct Non-Salary Costs
Cuba Landfill**

Work Assignment Number: D004446-13.1

Item	Reimbursement* Rate	Est. No. of Units (Task 1)	Total Cost (Task 1)	Est. No. of Units (Task 2)	Total Cost (Task 2)	Est. No. of Units (Task 3)	Total Cost (Task 3)	Est. No. of Units (Task 4)	Total Cost (Task 4)	Estimated No. of Units	Total Estimated Cost
A. Miscellaneous (Travel)											
1. Transportation	\$0.485 /mile	200	\$97.00	0	\$0.00	600	\$291.00	100	\$48.50	900	\$436.50
2. Tolls	\$9.00 /trip	0	\$0.00	6	\$54.00	2	\$18.00	0	\$0.00	8	\$72.00
3. Van Rental	\$400.00 /week	0	\$0.00	4	\$1,600.00	0	\$0.00	0	\$0.00	4	\$1,600.00
4. Car Rental	\$50.00 /day	1	\$50.00	0	\$0.00	1	\$50.00	1	\$50.00	3	\$150.00
5. Gas	\$10.00 /day	4	\$40.00	15	\$150.00	4	\$40.00	4	\$40.00	27	\$270.00
6. Airfare	\$300.00 /trip	2	\$600.00	1	\$300.00	2	\$600.00	2	\$600.00	7	\$2,100.00
7. Parking	\$50.00 /day	2	\$100.00	0	\$0.00	2	\$100.00	2	\$100.00	6	\$300.00
8. Hotel	\$67.50 /day**	0	\$0.00	12	\$810.00	2	\$135.00	2	\$135.00	16	\$1,080.00
9. Meals	\$39.00 /day	0	\$0.00	15	\$585.00	2	\$78.00	2	\$78.00	19	\$741.00
Subtotal (Travel)			\$887.00		\$3,499.00		\$1,312.00		\$1,051.50		\$6,749.50
B. Miscellaneous (Expenses)											
1. Sample Shipping	\$75.00 /package	0	\$0.00	4	\$300.00	0	\$0.00	0	\$0.00	4	\$300.00
2. Express Mail	\$15.00 /package	6	\$90.00	0	\$0.00	6	\$90.00	6	\$90.00	18	\$270.00
	\$50.00 /package	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
	\$80.00 /package	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
3. Photographs/Slides	\$200.00 Lump Sum	0	\$0.00	1	\$200.00	0	\$0.00	0	\$0.00	1	\$200.00
4. Printing	\$50.00 /report	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00	0	\$0.00
5. Equipment	\$16.62 /person day	0	\$0.00	13	\$216.06	0	\$0.00	0	\$0.00	13	\$216.06
Subtotal (Misc. Expenses)			\$90.00		\$716.06		\$90.00		\$90.00		\$986.06
TOTAL			\$977.00		\$4,215.06		\$1,402.00		\$1,141.50		\$7,735.56

* See Schedule 2.10(b) for rates.

** Includes 12.5% applicable tax

SCHEDULE 2.11 (d)1

EQUIPMENT PURCHASED UNDER THE CONTRACT
Cuba Landfill

Work Assignment Number: D004446-13.1

ITEM	ESTIMATED PURCHASE PRICE	O&M RATE (\$/per. month)	TERM OF USAGE (MONTHS)	ESTIMATED USAGE COST (COL. 2 + [3X4])
		\$0.00	0	\$0.00
			TOTAL	\$0.00

SCHEDULE 2.11 (d)2

EQUIPMENT

CONSULTANT OWNED

Cuba Landfill

Work Assignment Number: D004446-13.1

ITEM	PURCHASE PRICE X 85%	USAGE RATE (\$/day)	CAPITAL RECOVERY RATE (\$/Unit of Time)	O & M RATE (\$/Unit of Time)	ESTIMATED USAGE (days)	ESTIMATED USAGE COST (Col. 3x6)
None						
					TOTAL	\$0

Notes:

Usage Rate = Capital Recovery Rate + O&M Rate

The maximum usage rate for an item of equipment reverts to the O&M rate when the total usage reimbursement exceeds 85% of the purchase price.

SCHEDULE 2.11 (d)3
 EQUIPMENT
 VENDOR RENTED

Cuba Landfill

Work Assignment Number: D004446-13.1
 Summary

ITEM	MAXIMUM REIMBURSEMENT RATE	TIME PERIOD	ESTIMATED USAGE (period of time)	ESTIMATED USAGE COST (Col. 2 X 3)
Photovac Microtip	\$206.00	/week	0	\$0
Landtec GA-90	\$286.25	/week	3	\$859
MIE Miniram Digital Dust Indicator	\$211.35	/week	3	\$634
Solinst Water Level Indicator	\$82.95	/week	0	\$0
			Total	\$1,493

SCHEDULE 2.11 (d)4

EXPENDABLE SUPPLIES

Cuba Landfill

Work Assignment Number: D004446-13.1

ITEM	ESTIMATED QUANTITY	UNITS	UNIT COST	TOTAL BUDGETED COST (COL. 2 X 3)
			TOTAL	\$0

**SCHEDULE 2.11 (d)5
CONSUMABLE SUPPLIES**

Cuba Landfill

Work Assignment Number: D004446-13.1

ITEM	ESTIMATED QUANTITY	UNIT COST	TOTAL BUDGETED COST (COL. 2 X 3)
Miscellaneous Supplies	2	\$250.00	\$500.00
		TOTAL	\$500.00

**Schedule 2.11 (f)1
Unit Price Subcontracts**

Cuba Landfill Site

**SUBCONTRACT
MANAGEMENT
FEE
\$187**

NAME OF SUBCONTRACTOR
Jamaica Blueprint

SERVICES TO BE PERFORMED
Printing of Drawings and

SUBCONTRACT PRICE
\$3,744

<u>Item</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Estimated No. of Units</u>	<u>Total Price</u>
1. Scan 25 sheets 30" by 42" to Bond	LS	\$4.88	15	\$73.17
2. Bound 30" by 42" Blue Prints, Each Set Consisting of 15 Sheets	LS	\$0.98	735	\$717.07
3. GBC Bound Documents, Each Consisting of 500 Double-Sided Sheets	LS	\$59.08	50	\$2,953.90
	SUBTOTAL			\$3,744
				\$187
	TOTAL			\$3,931

Date Prepared:
Billing Period:
Invoice No.:

**SCHEDULE 2.11 (g)
MONTHLY COST CONTROL REPORT
SUMMARY**

Project Name: Cuba Landfill
Work Assignment Number: D004446-13.1
Task No./Name: All Tasks
Complete: 0.00%

		MONTHLY COST CONTROL REPORT SUMMARY OF FISCAL INFORMATION							
Expenditure Category	A Costs Claimed This Period	B Paid To Date	C Total Disallowed To Date	D Total Costs Incurred To Date (A+B+B1)	E Estimated Costs To Completion	F Total Work Assignment Price (A+B+E)	G Approved Budget	H Estimated Under/(Over) (G-F)	
1. Direct Salary Costs	0.00	0.00	0.00	0.00	0.00	0.00	\$45,575	0.00	
2. Indirect	0.00	0.00	0.00	0.00	0.00	0.00	\$68,818	0.00	
3. Subtotal Direct Salary Costs and Indirect Costs	0.00	0.00	0.00	0.00	0.00	0.00	\$114,393	0.00	
4. Travel	0.00	0.00	0.00	0.00	0.00	0.00	\$6,750	0.00	
5. Other Non-Salary Costs	0.00	0.00	0.00	0.00	0.00	0.00	\$2,979	0.00	
6. Subtotal Direct Non-Salary Costs	0.00	0.00	0.00	0.00	0.00	0.00	\$9,728	0.00	
7. Subcontractors	0.00	0.00	0.00	0.00	0.00	0.00	\$3,981	0.00	
7a. Subcontractor Mgmt. Fee	0.00	0.00	0.00	0.00	0.00	0.00	\$197	0.00	
8. Total Task Cost	0.00	0.00	0.00	0.00	0.00	0.00	\$128,249	0.00	
9. Fixed Fee	0.00	0.00	0.00	0.00	0.00	0.00	\$13,155	0.00	
10. Total Price	0.00	0.00	0.00	0.00	0.00	0.00	\$141,404	0.00	

Project Manager (Engineer) _____ Date _____

Engineer: Dvirka & Bartilucci
 Work Assignment Number: D004446-13.1
 Project Name: Cuba Landfill
 Work Assignment Number: D004446-13.1

**SCHEDULE 2.11(g) SUPPLEMENTAL
 MONTHLY COST CONTROL REPORT
 SUBCONTRACTS**

Page 2 of 6
 Date Prepared:
 Billing Period:
 Invoice No.:

Subcontract Name	Subcontract Costs Claimed this Application Including Resubmittals	Subcontract Costs Approved for Payment on Previous Application	Total Subcontract Costs to Date (A plus B)	Subcontract Approved Budget	Management Fee Budget	Management Fee Paid	Total Costs to Date
1. Jamaica Blueprint	\$0	\$0	\$0	\$3,931	\$197	\$0	\$0
2.	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total				\$3,931	\$197	\$0	\$0

Project Name: Cuba Landfill
 Work Assignment Number: D004446-13.1
 Task No./Name: 1/ Work Plan Development and Cost Estimate
 Complete: 0.00%

SCHEDULE 2.11(g)

Page 3 of 6
 Date Prepared:
 Billing Period:
 Invoice No.:

MONTHLY COST CONTROL REPORT SUMMARY OF FISCAL INFORMATION								
Expenditure Category	A Costs Claimed This Period	B Paid To Date	C Total Disallowed To Date	D Total Costs Incurred To Date (A+B+B1)	E Estimated Costs To Completion	F Total Work Assignment Price (A+B+E)	G Approved Budget	H Estimated Under/(Over) (G-F)
1. Direct Salary Costs	0.00	0.00	0.00	0.00	0.00	0.00	\$6,571	0.00
2. Indirect	0.00	0.00	0.00	0.00	0.00	0.00	\$9,923	0.00
3. Subtotal Direct Salary Costs and Indirect Costs	0.00	0.00	0.00	0.00	0.00	0.00	\$16,494	0.00
4. Travel	0.00	0.00	0.00	0.00	0.00	0.00	\$887	0.00
5. Other Non-Salary Costs	0.00	0.00	0.00	0.00	0.00	0.00	\$90	0.00
6. Subtotal Direct Non-Salary Costs	0.00	0.00	0.00	0.00	0.00	0.00	\$977	0.00
7. Subcontractors	0.00	0.00	0.00	0.00	0.00	0.00	\$3,931	0.00
7a. Subcontractor Mgmt. Fee	0.00	0.00	0.00	0.00	0.00	0.00	\$197	0.00
8. Total Task Cost	0.00	0.00	0.00	0.00	0.00	0.00	\$21,599	0.00
9. Fixed Fee	0.00	0.00	0.00	0.00	0.00	0.00	\$1,897	0.00
10. Total Task Price	0.00	0.00	0.00	0.00	0.00	0.00	\$23,496	0.00

Project Manager (Engineer) _____ Date _____

Project Name: Cuba Landfill
 Work Assignment Number: D004446-13.1
 Task No./Name: 2/ Field Investigation
 Complete: 0.00%

SCHEDULE 2.11(g)

Page 4 of 6
 Date Prepared:
 Billing Period:
 Invoice No.:

Expenditure Category	MONTHLY COST CONTROL REPORT									
	A	B	C	D	E	F	G	H	SUMMARY OF FISCAL INFORMATION	
Costs Claimed This Period	Paid To Date	Total Disallowed To Date	Total Costs Incurred To Date (A+B+B1)	Estimated Costs To Completion	Total Work Assignment Price (A+B+E)	Approved Budget	Estimated Under/(Over) (G-F)			
1. Direct Salary Costs	0.00	0.00	0.00	0.00	0.00	0.00	\$5,548	0.00		
2. Indirect	0.00	0.00	0.00	0.00	0.00	0.00	\$8,377	0.00		
3. Subtotal Direct Salary Costs and Indirect Costs	0.00	0.00	0.00	0.00	0.00	0.00	\$13,925	0.00		
4. Travel	0.00	0.00	0.00	0.00	0.00	0.00	\$3,499	0.00		
5. Other Non-Salary Costs	0.00	0.00	0.00	0.00	0.00	0.00	\$2,709	0.00		
6. Subtotal Direct Non-Salary Costs	0.00	0.00	0.00	0.00	0.00	0.00	\$6,208	0.00		
7. Subcontractors	0.00	0.00	0.00	0.00	0.00	0.00	\$0	0.00		
7a. Subcontractor Mgmt. Fee	0.00	0.00	0.00	0.00	0.00	0.00	\$0	0.00		
8. Total Task Cost	0.00	0.00	0.00	0.00	0.00	0.00	\$20,133	0.00		
9. Fixed Fee	0.00	0.00	0.00	0.00	0.00	0.00	\$1,601	0.00		
10. Total Task Price	0.00	0.00	0.00	0.00	0.00	0.00	\$21,734	0.00		

Project Manager (Engineer) _____ Date _____

Project Name: Cuba Landfill
 Work Assignment Number: D004446-13.1
 Task No./Name: 3/ Redesign
 Complete: 0.00%

SCHEDULE 2.11(g)

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 Date Prepared:
 Billing Period:
 Invoice No.:

Expenditure Category	MONTHLY COST CONTROL REPORT							
	A Costs Claimed This Period	B Paid To Date	C Total Disallowed To Date	D Total Costs Incurred To Date (A+B+B1)	E Estimated Costs To Completion	F Total Work Assignment Price (A+B+E)	G Approved Budget	H Estimated Under/(Over) (G-F)
1. Direct Salary Costs	0.00	0.00	0.00	0.00	0.00	0.00	\$32,060	0.00
2. Indirect	0.00	0.00	0.00	0.00	0.00	0.00	\$48,411	0.00
3. Subtotal Direct Salary Costs and Indirect Costs	0.00	0.00	0.00	0.00	0.00	0.00	\$80,471	0.00
4. Travel	0.00	0.00	0.00	0.00	0.00	0.00	\$1,312	0.00
5. Other Non-Salary Costs	0.00	0.00	0.00	0.00	0.00	0.00	\$90	0.00
6. Subtotal Direct Non-Salary Costs	0.00	0.00	0.00	0.00	0.00	0.00	\$1,402	0.00
7. Subcontractors	0.00	0.00	0.00	0.00	0.00	0.00	\$0	0.00
7a. Subcontractor Mgmt. Fee	0.00	0.00	0.00	0.00	0.00	0.00	\$0	0.00
8. Total Task Cost	0.00	0.00	0.00	0.00	0.00	0.00	\$81,873	0.00
9. Fixed Fee	0.00	0.00	0.00	0.00	0.00	0.00	\$9,254	0.00
10. Total Task Price	0.00	0.00	0.00	0.00	0.00	0.00	\$91,127	0.00

Project Manager (Engineer) _____ Date _____

Project Name: Cuba Landfill
 Work Assignment Number: D004446-13.1
 Task No./Name: 4/PreAward Services
 Complete: 0.00%

SCHEDULE 2.11(g)

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 Date Prepared:
 Billing Period:
 Invoice No.:

Expenditure Category	MONTHLY COST CONTROL REPORT									
	A Costs Claimed This Period	B Paid To Date	C Total Disallowed To Date	D Total Costs Incurred To Date (A+B+B1)	E Estimated Costs To Completion	F Total Work Assignment Price (A+B+E)	G Approved Budget	H Estimated Under/(Over) (G-F)		
1. Direct Salary Costs	0.00	0.00	0.00	0.00	0.00	0.00	\$1,396	0.00		
2. Indirect	0.00	0.00	0.00	0.00	0.00	0.00	\$2,107	0.00		
3. Subtotal Direct Salary Costs and Indirect Costs	0.00	0.00	0.00	0.00	0.00	0.00	\$3,503	0.00		
4. Travel	0.00	0.00	0.00	0.00	0.00	0.00	\$1,052	0.00		
5. Other Non-Salary Costs	0.00	0.00	0.00	0.00	0.00	0.00	\$90	0.00		
6. Subtotal Direct Non-Salary Costs	0.00	0.00	0.00	0.00	0.00	0.00	\$1,142	0.00		
7. Subcontractors	0.00	0.00	0.00	0.00	0.00	0.00	\$0	0.00		
7a. Subcontractor Mgmt. Fee	0.00	0.00	0.00	0.00	0.00	0.00	\$0	0.00		
8. Total Task Cost	0.00	0.00	0.00	0.00	0.00	0.00	\$4,644	0.00		
9. Fixed Fee	0.00	0.00	0.00	0.00	0.00	0.00	\$403	0.00		
10. Total Task Price	0.00	0.00	0.00	0.00	0.00	0.00	\$5,047	0.00		

Project Manager (Engineer) _____ Date _____

SCHEDULE 2.11 (h)

Project Name: Cuba Landfill
 Work Assignment Number: D004446-13.1

Date Prepared:
 Billing Period
 Invoice No.

**Monthly Cost Control Report
 Summary of Labor Hours
 Expended to Date/Estimated To Completion**

NSPE Labor Classification	IX EXP/EST	VIII EXP/EST	VII EXP/EST	VI EXP/EST	V EXP/EST	IV EXP/EST	III EXP/EST	I & II EXP/EST	ADMIN/ SUPPORT	TOTAL NUMBER OF DIRECT LABOR HOURS EXP/EST
Task 1	0/ 6	0/ 0	0/ 0	0/ 8	0/ 116	0/ 0	0/ 0	0/ 68	0/ 0	0/ 198
Task 2	0/ 1	0/ 0	0/ 0	0/ 0	0/ 16	0/ 0	0/ 160	0/ 4	0/ 0	0/ 181
Task 3	0/ 2	0/ 16	0/ 0	0/ 348	0/ 224	0/ 0	0/ 144	0/ 88	0/ 0	0/ 822
Task 4	0/ 0	0/ 0	0/ 0	0/ 8	0/ 8	0/ 0	0/ 16	0/ 8	0/ 0	0/ 40
Total Hours	0/ 9	0/ 16	0/ 0	0/ 364	0/ 364	0/ 0	0/ 320	0/ 168	0/ 0	0/ 1,241

M/WBE UTILIZATION PLAN

MBE/WBE
UTILIZATION PLAN
Cuba Landfill

Work Assignment Number: D004446-13.1

<u>Areas to be Subcontracted</u>	<u>Subcontractor Name</u>	<u>MBE/WBE</u>	<u>Total Subcontract Value</u>	<u>% MBE/WBE Utilization</u>
Jamaica Blueprint	Printing of Drawings and Specifications	WBE	\$3,931	2.8%
Total MBE Utilization	<u>MBE Subcontract Value</u> Total Contract Value	=	<u>\$0</u> \$141,404	0.0%
Total WBE Utilization	<u>WBE Subcontract Value</u> Total Contract Value	=	<u>\$3,931</u> \$141,404	2.8%