

# **SOLID WASTE**

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# Convenience Center 16 Expansion

Requesting Department/Division: Public Works/Solid Waste  
 Project Manager/Contact: Mike Garrett/Jason Weaver

Estimated Start Date: July 2007  
 Est. Completion Date: August 2008

Project Category: New Construction

Project Status: Active Project  
 Project Number: SW0001

### Project Description, Justification and Location

Construction and expansion of the Station 16 Convenience Center located at the entrance of the Wellford Landfill. This expansion will allow for citizens to dispose of household waste items without entering the landfill. The convenience center will include a recycling station. Construction includes eleven (11) concrete bunkers that will house roll off cans used for disposal. A 20' X 20' operations building will also be constructed. This project was fully funded in the FY 2008-12 Capital Improvement Plan.

### Benefits to Residents, Visitors, Businesses, or County Employees

Residents will no longer have to enter the landfill where large commercial vehicles are present. It also allows for disposal of all household items at one location. County employees will be able to control more efficiently waste tonnages that enter the landfill.

### Impact on Annual Operating Budget

Staffing for the new convenience center will be provided by existing Solid Waste personnel.

### Project Status (as of June 1, 2008)

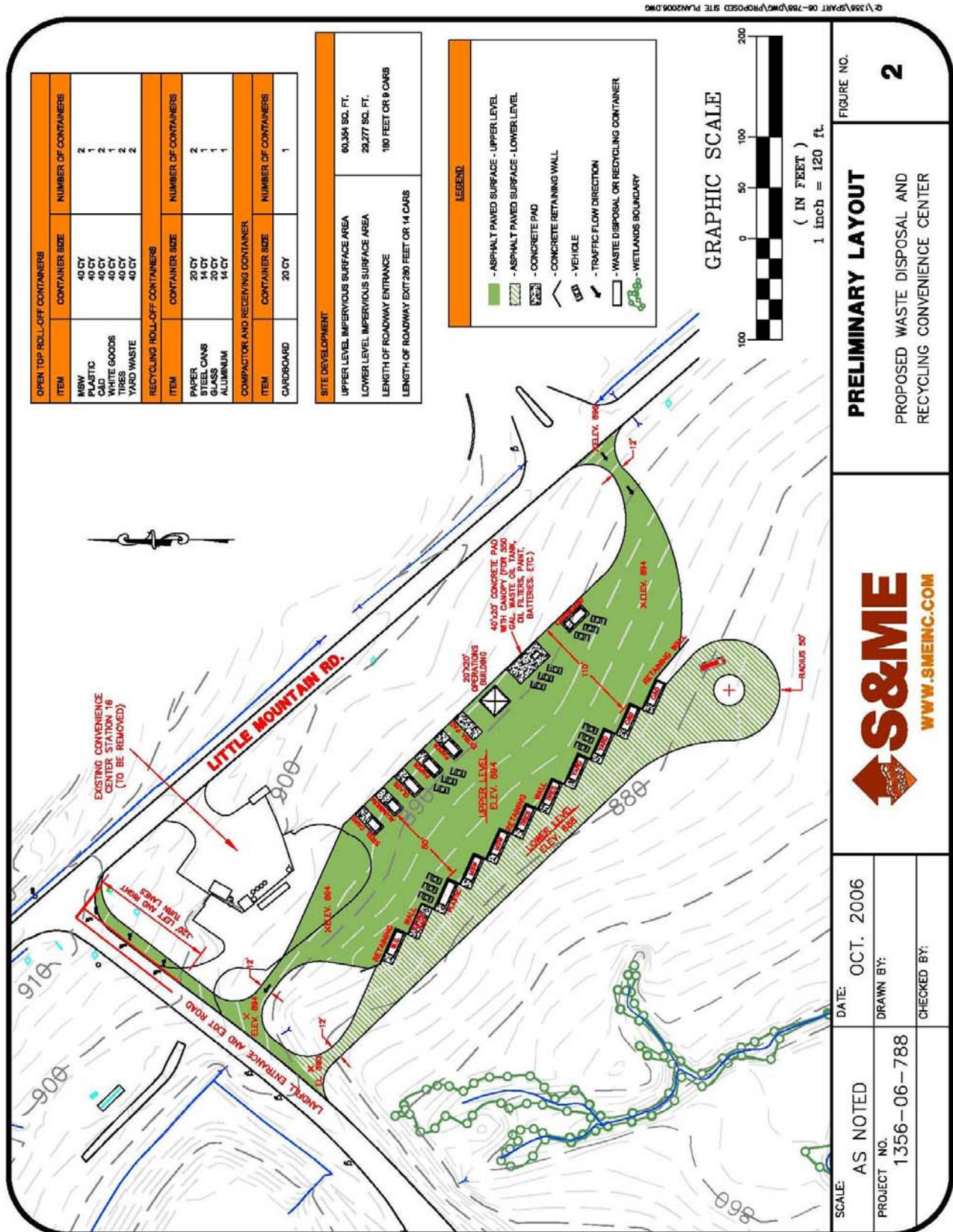
Anticipated completion date of August, 2008.



### Project Expenditures and Funding Sources

<u>PROJECT</u>	<u>TOTAL</u>	<u>COMMITTED</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY</u>	<u>FY 2009-13</u>
<u>SOLID WASTE</u>	<u>PROJECT COST</u>	<u>FUNDING</u>	<u>2008/09</u>	<u>2009/10</u>	<u>2010/11</u>	<u>2011/12</u>	<u>2012/13</u>	<u>TOTAL</u>
<u>Convenience Center 16 Expansion</u>								
<u>Expenditures</u>								
Planning/Design/Engineering	30,000	30,000	0	0	0	0	0	0
Land Acquisition/Right-of-Way	0	0	0	0	0	0	0	0
Construction/Improvements	416,500	416,500	0	0	0	0	0	0
Capital Materials/Equipment	0	0	0	0	0	0	0	0
Technology Expenditures	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
<b>Total Expenditures</b>	<b>446,500</b>	<b>446,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<u>Revenues</u>								
Solid Waste Fund	446,500	446,500	0	0	0	0	0	0
<b>Total Revenues</b>	<b>446,500</b>	<b>446,500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

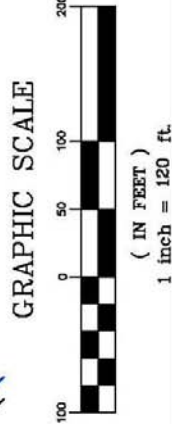
# Convenience Center 16 Expansion – Preliminary Layout



OPEN TOP ROLL-OFF CONTAINERS		
ITEM	CONTAINER SIZE	NUMBER OF CONTAINERS
MSW	40 CY	2
PLASTIC	40 CY	1
CALD	40 CY	2
WHITE GOODS	40 CY	1
TIRES	40 CY	2
YARD WASTE	40 CY	2
RECYCLING ROLL-OFF CONTAINERS		
ITEM	CONTAINER SIZE	NUMBER OF CONTAINERS
PAPER	20 CY	2
STEEL CANS	14 CY	1
GLASS	14 CY	1
ALUMINUM	14 CY	1
COMPACTOR AND RECEIVING CONTAINER		
ITEM	CONTAINER SIZE	NUMBER OF CONTAINERS
CORDBOARD	20 CY	1

SITE DEVELOPMENT	
UPPER LEVEL IMPERVIOUS SURFACE AREA	60,354 SQ. FT.
LOWER LEVEL IMPERVIOUS SURFACE AREA	29,277 SQ. FT.
LENGTH OF ROADWAY ENTRANCE	180 FEET OR 8 CARS
LENGTH OF ROADWAY EXIT	280 FEET OR 14 CARS

LEGEND	
	- ASPHALT PAVED SURFACE - UPPER LEVEL
	- ASPHALT PAVED SURFACE - LOWER LEVEL
	- CONCRETE PAD
	- CONCRETE RETAINING WALL
	- VEHICLE
	- TRAFFIC FLOW DIRECTION
	- WASTE DISPOSAL OR RECYCLING CONTAINER
	- WETLANDS BOUNDARY



**PRELIMINARY LAYOUT**  
PROPOSED WASTE DISPOSAL AND RECYCLING CONVENIENCE CENTER

FIGURE NO. **2**



## ATTACHMENT NO. 4

SCALE:	AS NOTED	DATE:	OCT. 2006
PROJECT NO.	1356-06-788	DRAWN BY:	
		CHECKED BY:	

# County Collection and Recycling Center Assessment

Requesting Department/Division: Public Works/Solid Waste  
 Project Manager/Contact: Jason Weaver

Estimated Start Date: July 2008  
 Est. Completion Date: February 2009

Project Category: Other – Master Planning

Project Status: New Project Request  
 Project Number: SW0003

## Project Description, Justification and Location

Provide funding for an assessment of the County's seventeen (17) Collection/Recycling Centers. An assessment will be performed that will provide recommendations for center upgrades as well as evaluate the efficiency and effectiveness of services that the Solid Waste Division provides to the citizens of Spartanburg County.

## Benefits to Residents, Visitors, Businesses, or County Employees

Completion of this study will allow for the identification of the most efficient and effective ways to provide Solid Waste services to the residents and businesses of Spartanburg County.

## Impact on Annual Operating Budget

No impact on the annual operating budget.

## Project Status (as of June 1, 2008)

New project request, with funding scheduled to begin July 1, 2008.

### Project Expenditures and Funding Sources

PROJECT	TOTAL PROJECT COST	COMMITTED FUNDING	FY 2008/09	FY 2009/10	FY 2010/11	FY 2011/12	FY 2012/13	FY 2009-13 TOTAL
<b>County Collection &amp; Recycling Center Assessment</b>								
<u>Expenditures</u>								
Planning/Design/Engineering	110,000	0	110,000	0	0	0	0	110,000
Land Acquisition/Right-of-Way	0	0	0	0	0	0	0	0
Construction/Improvements	0	0	0	0	0	0	0	0
Capital Materials/Equipment	0	0	0	0	0	0	0	0
Technology Expenditures	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
<b>Total Expenditures</b>	<b>110,000</b>	<b>0</b>	<b>110,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>110,000</b>
<u>Revenues</u>								
Solid Waste Fund	110,000	0	110,000	0	0	0	0	110,000
<b>Total Revenues</b>	<b>110,000</b>	<b>0</b>	<b>110,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>110,000</b>

# Phase V MSW Landfill Closure

Requesting Department/Division: Public Works/Solid Waste  
 Project Manager/Contact: Mike Garrett/Jason Weaver

Estimated Start Date: July 2009  
 Est. Completion Date: June 2011

Project Category: Rehabilitation/Remediation

Project Status: Planned/Programmed Project  
 Project Number: TBD

### Project Description, Justification and Location

This project provides for the final capping and restoration of approximately thirty-four (34) acres of closed landfill area. Closure work includes the addition of soil and vegetation to the former work area in accordance with requirements of the State Department of Health and Environmental Control (DHEC). Planning/Engineering is scheduled for, with site closure scheduled for FY 2010/11. This project will be done in conjunction with the Phase VI MSW Cell 2 project. A site plan for the Wellford Landfill is included on page 87.



### Benefits to Residents, Visitors, Businesses, or County Employees

The county will meet requirements from DHEC pertaining to the closure of landfills. The approximately thirty-four (34) acres will be restored to a more natural state.

### Impact on Annual Operating Budget

There will be no impact on the operating budget. Decreased operating costs associated with Phase V will be offset by new operating costs associated with Phase VI.

### Project Status (as of June 1, 2008)

Planned/Programmed project scheduled for funding beginning FY 2009/10.

### **Project Expenditures and Funding Sources**

PROJECT	TOTAL PROJECT COST	COMMITTED FUNDING	FY 2008/09	FY 2009/10	FY 2010/11	FY 2011/12	FY 2012/13	FY 2009-13 TOTAL
<b>Phase V MSW Landfill Closure</b>								
<u>Expenditures</u>								
Planning/Design/Engineering	250,000	0	0	250,000	0	0	0	250,000
Land Acquisition/Right-of-Way	0	0	0	0	0	0	0	0
Construction/Improvements	5,788,125	0	0	0	5,788,125	0	0	5,788,125
Capital Materials/Equipment	0	0	0	0	0	0	0	0
Technology Expenditures	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
<b>Total Expenditures</b>	<b>6,038,125</b>	<b>0</b>	<b>0</b>	<b>250,000</b>	<b>5,788,125</b>	<b>0</b>	<b>0</b>	<b>6,038,125</b>
<u>Revenues</u>								
Solid Waste Revenue Bond - FY 2009/10	6,038,125	0	0	250,000	5,788,125	0	0	6,038,125
<b>Total Revenues</b>	<b>6,038,125</b>	<b>0</b>	<b>0</b>	<b>250,000</b>	<b>5,788,125</b>	<b>0</b>	<b>0</b>	<b>6,038,125</b>

# Phase VI MSW Cell 2 Construction

Requesting Department/Division: Public Works/Solid Waste  
 Project Manager/Contact: Mike Garrett/Jason Weaver

Estimated Start Date: July 2009  
 Est. Completion Date: June 2011

Project Category: New Construction

Project Status: Planned/Programmed Project  
 Project Number: TBD

### **Project Description, Justification and Location**

This project is part two (Cell 2) of the Phase VI MSW Landfill expansion located at the Wellford Landfill. The project involves earthwork, cell construction, and lining of ten (10) acres that would be used for the disposal of household waste. The project will be necessary for the operation of accepting household waste at the Wellford facility as the existing household disposal area begins to reach capacity. Planning/Engineering is scheduled for, with site closure scheduled for FY 2010/11. The project will be done in conjunction with the Phase V MSW Landfill closure project. A site plan for the Wellford Landfill is included on page 87.

### **Benefits to Residents, Visitors, Businesses, or County Employees**

Construction of Cell 2 will ensure that residents and businesses of Spartanburg County will continue to have an area for disposal of waste.

### **Impact on Annual Operating Budget**

There will be no additional staffing needed for this project. Costs are included in the annual operating budget.

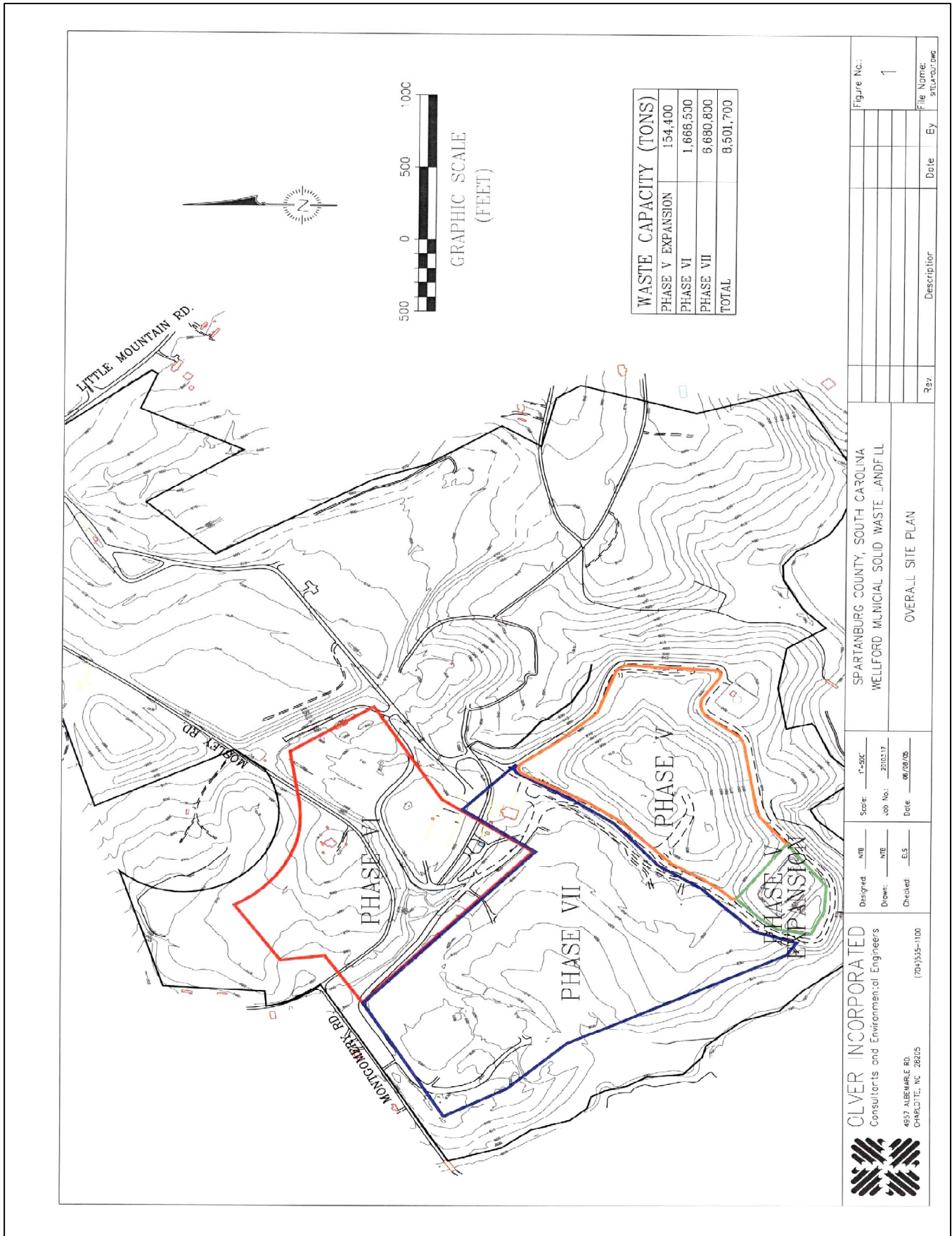
### **Project Status (as of June 1, 2008)**

Planned/Programmed project scheduled for funding beginning FY 2009/10.

### **Project Expenditures and Funding Sources**

<b>PROJECT</b>	<b>TOTAL PROJECT COST</b>	<b>COMMITTED FUNDING</b>	<b>FY 2008/09</b>	<b>FY 2009/10</b>	<b>FY 2010/11</b>	<b>FY 2011/12</b>	<b>FY 2012/13</b>	<b>FY 2009-13 TOTAL</b>
<b>Phase VI MSW Cell 2 Construction</b>								
<u>Expenditures</u>								
Planning/Design/Engineering	300,000	0	0	300,000	0	0	0	300,000
Land Acquisition/Right-of-Way	0	0	0	0	0	0	0	0
Construction/Improvements	3,800,000	0	0	0	3,800,000	0	0	3,800,000
Capital Materials/Equipment	0	0	0	0	0	0	0	0
Technology Expenditures	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
<b>Total Expenditures</b>	<b>4,100,000</b>	<b>0</b>	<b>0</b>	<b>300,000</b>	<b>3,800,000</b>	<b>0</b>	<b>0</b>	<b>4,100,000</b>
<u>Revenues</u>								
Solid Waste Revenue Bond - FY 2009/10	4,100,000	0	0	300,000	3,800,000	0	0	4,100,000
<b>Total Revenues</b>	<b>4,100,000</b>	<b>0</b>	<b>0</b>	<b>300,000</b>	<b>3,800,000</b>	<b>0</b>	<b>0</b>	<b>4,100,000</b>

# Wellford Landfill Overall Site Plan



CLIVER INCORPORATED Consultants and Environmental Engineers 4537 ALBEMARLE RD. CHARLOTTE, NC 28205 (704)535-1100		Scale: P-S&C Job No.: 2010.17 Date: 06/28/05	Figure No.: 1
Designed: NTE Drawn: NTE Checked: E.S.	SPARTANBURG COUNTY, SOUTH CAROLINA WELLFORD MUNICIPAL SOLID WASTE LANDFILL		File Name: SP2409.DWG
OVERALL SITE PLAN			Date: _____ By: _____
Revis. _____ Descriptor _____			

# Wellford Landfill MSW Disposal Permitting

Requesting Department/Division: Public Works/Solid Waste  
 Project Manager/Contact: Jason Weaver

Estimated Start Date: July 2008  
 Est. Completion Date: June 2010

Project Category: Other – Master Planning

Project Status: New Project Request  
 Project Number: SW0004

## Project Description, Justification and Location

This project is located at the Wellford Landfill and consists of permitting the remaining acreage available for MSW disposal, which is necessary as the Solid Waste Department plans ahead to meet the solid waste disposal needs of Spartanburg County.

## Benefits to Residents, Visitors, Businesses, or County Employees

This project will benefit the County in that it will provide an overall master plan for meeting the disposal needs of the County in the future. Funding for this project will allow the County to go ahead with implementing the lengthy process involved in permitting an MSW Disposal facility, allowing for timely and efficient project management.

## Impact on Annual Operating Budget

No impact on the annual operating budget.

## Project Status (as of June 1, 2008)

New project request, with funding scheduled to begin July 1, 2008.

### Project Expenditures and Funding Sources

PROJECT	TOTAL PROJECT COST	COMMITTED FUNDING	FY 2008/09	FY 2009/10	FY 2010/11	FY 2011/12	FY 2012/13	FY 2009-13 TOTAL
<b>Wellford Landfill MSW Disposal Permitting</b>								
<u>Expenditures</u>								
Planning/Design/Engineering	350,000	0	150,000	200,000	0	0	0	350,000
Land Acquisition/Right-of-Way	0	0	0	0	0	0	0	0
Construction/Improvements	0	0	0	0	0	0	0	0
Capital Materials/Equipment	0	0	0	0	0	0	0	0
Technology Expenditures	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
<b>Total Expenditures</b>	<b>350,000</b>	<b>0</b>	<b>150,000</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>350,000</b>
<u>Revenues</u>								
Solid Waste Fund	150,000	0	150,000	0	0	0	0	150,000
Solid Waste Revenue Bond - FY 2009/10	200,000	0	0	200,000	0	0	0	200,000
<b>Total Revenues</b>	<b>350,000</b>	<b>0</b>	<b>150,000</b>	<b>200,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>350,000</b>

# Construction and Demolition Landfill Expansion

Requesting Department/Division: Public Works/Solid Waste  
 Project Manager/Contact: Mike Garrett/Jason Weaver

Estimated Start Date: July 2008  
 Est. Completion Date: June 2010

Project Category: New Construction

Project Status: Planned/Programmed – Active FY 08/09  
 Project Number: SW0005

## Project Description, Justification and Location

Expansion of the existing Construction and Demolition (C & D) Landfill located at the Wellford Landfill. The existing C & D Landfill is expected to be near capacity by the end of FY 2008/09. Permitting and construction of the project is expected to take between twelve (12) to eighteen (18) months to complete.



## Benefits to Residents, Visitors, Businesses, or County Employees

Residents of Spartanburg County will continue to have a disposal facility for their C & D waste. The county will also generate revenue from the disposal of commercial material.

## Impact on Annual Operating Budget

There will be no additional staffing or operational costs associated with this project, annual operating costs are already captured in the budget.

## Project Status (as of June 1, 2008)

Planned/Programmed project which will be active in FY 2008/09. Funding for planning and engineering is allocated in FY 2008/09, with construction scheduled for FY 2009/10. There is no change from the original cost estimate in the FY 2008-12 CIP however; project construction has been accelerated to be completed in its entirety in FY 2009/10 based on current space in the existing C&D landfill.

### Project Expenditures and Funding Sources

PROJECT	TOTAL PROJECT COST	COMMITTED FUNDING	FY 2008/09	FY 2009/10	FY 2010/11	FY 2011/12	FY 2012/13	FY 2009-13 TOTAL
<b>Construction &amp; Demolition Landfill Expansion</b>								
<u>Expenditures</u>								
Planning/Design/Engineering	100,000	0	100,000	0	0	0	0	100,000
Land Acquisition/Right-of-Way	0	0	0	0	0	0	0	0
Construction/Improvements	500,000	0	0	500,000	0	0	0	500,000
Capital Materials/Equipment	0	0	0	0	0	0	0	0
Technology Expenditures	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
<b>Total Expenditures</b>	<b>600,000</b>	<b>0</b>	<b>100,000</b>	<b>500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>600,000</b>
<u>Revenues</u>								
Solid Waste Fund	100,000	0	100,000	0	0	0	0	100,000
Solid Waste Revenue Bond - FY 2009/10	500,000	0	0	500,000	0	0	0	500,000
<b>Total Revenues</b>	<b>600,000</b>	<b>0</b>	<b>100,000</b>	<b>500,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>600,000</b>

# Croft Landfill Dumpsite Remediation

Requesting Department/Division: Public Works/Solid Waste  
 Project Manager/Contact: Mike Garrett/Jason Weaver

Estimated Start Date: July 2008  
 Est. Completion Date: November 2008

Project Category: Rehabilitation/Remediation

Project Status: Previously Not Funded – Funded in FY 08/09  
 Project Number: SW0006

### **Project Description, Justification and Location**

This project request involves remediation of an approximately 1.77 acre dumpsite at the county-owned closed Croft Landfill as directed by the South Carolina Department of Health and Environmental Control (SCDHEC). A consent order was issued by SCDHEC on October 8, 2007 directing the County to remediate and properly close this area. Remediation will begin in July 2008 with completion by October 28, 2008.

### **Benefits to Residents, Visitors, Businesses, or County Employees**

The area at the Croft Landfill will be restored to a more natural environment.

### **Impact on Annual Operating Budget**

There will be no impact on the annual operating budget.

### **Project Status (as of June 1, 2008)**

This project was identified as a future project in the FY 2008-12 CIP. With the SCDHEC consent order, funding was allocated to this project in the FY 2009-13 CIP, with project completion scheduled for October 28, 2008.

### **Project Expenditures and Funding Sources**

PROJECT	TOTAL PROJECT COST	COMMITTED FUNDING	FY 2008/09	FY 2009/10	FY 2010/11	FY 2011/12	FY 2012/13	FY 2009-13 TOTAL
<b>Croft Landfill Dumpsite Remediation</b>								
<u>Expenditures</u>								
Planning/Design/Engineering	0	0	0	0	0	0	0	0
Land Acquisition/Right-of-Way	0	0	0	0	0	0	0	0
Construction/Improvements	230,000	0	230,000	0	0	0	0	230,000
Capital Materials/Equipment	0	0	0	0	0	0	0	0
Technology Expenditures	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
<b>Total Expenditures</b>	<b>230,000</b>	<b>0</b>	<b>230,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>230,000</b>
<u>Revenues</u>								
Solid Waste Fund	230,000	0	230,000	0	0	0	0	230,000
<b>Total Revenues</b>	<b>230,000</b>	<b>0</b>	<b>230,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>230,000</b>

# Recycling Yard Relocation

Requesting Department/Division: Public Works/Solid Waste  
 Project Manager/Contact: Mike Garrett/Jason Weaver

Estimated Start Date: July 2009  
 Est. Completion Date: June 2010

Project Category: New Construction

Project Status: Planned/Programmed Project  
 Project Number: TBD

**Project Description, Justification and Location**

Relocation of the current recycling yard located at the Wellford Landfill. This project is necessary as the construction of the Phase VI MSW Cell 2 Landfill will be located within the property where the existing recycling yard is located.



**Benefits to Residents, Visitors, Businesses, or County Employees**

Residents and businesses of the county will continue to have a place for disposal of larger recyclable materials.

**Impact on Annual Operating Budget**

Operating costs of the recycling yard are included in the operating budget.

**Project Status (as of June 1, 2008)**

Planned/Programmed project scheduled for funding beginning FY 2009/10. Original cost estimate in the FY 2008-12 was \$650,000 however; a thorough analysis of construction costs and materials needed to complete the project yielded an updated cost of \$317,000.

**Project Expenditures and Funding Sources**

PROJECT	TOTAL PROJECT COST	COMMITTED FUNDING	FY 2008/09	FY 2009/10	FY 2010/11	FY 2011/12	FY 2012/13	FY 2009-13 TOTAL
<b>Recycling Yard Relocation</b>								
<u>Expenditures</u>								
Planning/Design/Engineering	15,000	0	0	15,000	0	0	0	15,000
Land Acquisition/Right-of-Way	0	0	0	0	0	0	0	0
Construction/Improvements	75,000	0	0	75,000	0	0	0	75,000
Capital Materials/Equipment	227,000	0	0	227,000	0	0	0	227,000
Technology Expenditures	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
<b>Total Expenditures</b>	<b>317,000</b>	<b>0</b>	<b>0</b>	<b>317,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>317,000</b>
<u>Revenues</u>								
Solid Waste Revenue Bond - FY 2009/10	317,000	0	0	317,000	0	0	0	317,000
<b>Total Revenues</b>	<b>317,000</b>	<b>0</b>	<b>0</b>	<b>317,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>317,000</b>

# Wellford Landfill Road Improvements

Requesting Department/Division: Public Works/Solid Waste  
 Project Manager/Contact: Jason Weaver

Estimated Start Date: July 2009  
 Est. Completion Date: November 2009

Project Category: Rehabilitation/Remediation

Project Status: New Project Request  
 Project Number: TBD

### **Project Description, Justification and Location**

This project is located at the Wellford Landfill and consists of repairing and paving portions of the road inside the landfill. This project is necessary as the road has suffered much damage from the weight of loaded trucks entering and exiting the landfill. Certain areas such as the entrance on and off of the scales have suffered severe damage creating potholes.



### **Benefits to Residents, Visitors, Businesses, or County Employees**

Improving the condition of the road will provide a safe way of travel for vehicles entering and exiting the facility. Improvements should also reduce the amount of material being lost by vehicles as they travel across areas in need of repair.

### **Impact on Annual Operating Budget**

No impact on the annual operating budget.

### **Project Status (as of June 1, 2008)**

New project request, scheduled for funding beginning FY 2009/10.

### **Project Expenditures and Funding Sources**

<b>PROJECT</b>	<b>TOTAL PROJECT COST</b>	<b>COMMITTED FUNDING</b>	<b>FY 2008/09</b>	<b>FY 2009/10</b>	<b>FY 2010/11</b>	<b>FY 2011/12</b>	<b>FY 2012/13</b>	<b>FY 2009-13 TOTAL</b>
<b>Wellford Landfill Road Improvements</b>								
<u>Expenditures</u>								
Planning/Design/Engineering	0	0	0	0	0	0	0	0
Land Acquisition/Right-of-Way	0	0	0	0	0	0	0	0
Construction/Improvements	138,000	0	0	138,000	0	0	0	138,000
Capital Materials/Equipment	0	0	0	0	0	0	0	0
Technology Expenditures	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
<b>Total Expenditures</b>	<b>138,000</b>	<b>0</b>	<b>0</b>	<b>138,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>138,000</b>
<u>Revenues</u>								
Solid Waste Revenue Bond - FY 2009/10	138,000	0	0	138,000	0	0	0	138,000
<b>Total Revenues</b>	<b>138,000</b>	<b>0</b>	<b>0</b>	<b>138,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>138,000</b>

# Wellford Landfill Methane Recovery Project

Requesting Department/Division: Public Works/Solid Waste  
 Project Manager/Contact: Mike Garrett/Fran Creel

Estimated Start Date: July 2008  
 Est. Completion Date: January 2010

Project Category: New Construction

Project Status: New Project Request  
 Project Number: SW0007

### Project Description, Justification and Location

The Wellford methane recovery project consists of collection, treatment, and delivery of the methane gas generated at the Wellford Landfill to the Milliken Dewey Plant in Inman.



### Benefits to Residents, Visitors, Businesses, or County Employees

The project will reduce fuel costs for the Dewey Plant and generate a positive revenue stream for the County, offsetting capital and on-going operating costs associated with the project. Residents and visitors will benefit from improved air quality. The annual environmental benefits can be equated to:

- Removing the emissions of 10,000 vehicles;
- Planting 14,000 acres of forest;
- Offsetting the use of 260 railroad cars of coal;
- Offsetting the use of 125,000 barrels of oil;
- Eliminating the pollution emissions from providing electricity to 5,000 homes; and
- Eliminating 52,000 tons of the greenhouse gas carbon dioxide.

### Impact on Annual Operating Budget

Annual impact on operating budget when fully operational is estimated at \$200,000, which will be offset by revenues derived from the sale of methane.

### Project Status (as of June 1, 2008)

The County has received qualification statements from consultants and the selection committee will interview firms in July, 2008. After the interviews are completed, the selected consultant will begin design, engineering drawings, and permitting of the collection, treatment, and delivery systems. Any right-of-way required will be obtained. Construction is anticipated to begin during FY 2008/09.

<u>PROJECT</u>	TOTAL PROJECT COST	COMMITTED FUNDING	FY 2008/09	FY 2009/10	FY 2010/11	FY 2011/12	FY 2012/13	FY 2009-13 TOTAL
<b>Wellford Landfill Methane Recovery Project</b>								
<u>Expenditures</u>								
Planning/Design/Engineering	400,000	0	400,000	0	0	0	0	400,000
Land Acquisition/Right-of-Way	250,000	0	250,000	0	0	0	0	250,000
Construction/Improvements	3,350,000	0	350,000	3,000,000	0	0	0	3,350,000
Capital Materials/Equipment	0	0	0	0	0	0	0	0
Technology Expenditures	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
<b>Total Expenditures</b>	<b>4,000,000</b>	<b>0</b>	<b>1,000,000</b>	<b>3,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,000,000</b>
<u>Revenues</u>								
Solid Waste Fund	1,000,000	0	1,000,000	0	0	0	0	1,000,000
Solid Waste Revenue Bond - FY 2009/10	3,000,000	0	0	3,000,000	0	0	0	3,000,000
<b>Total Revenues</b>	<b>4,000,000</b>	<b>0</b>	<b>1,000,000</b>	<b>3,000,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,000,000</b>

# Croft Landfill Methane Gas Extraction System

Requesting Department/Division: Public Works/Solid Waste  
 Project Manager/Contact: Mike Garrett/Jason Weaver

Estimated Start Date: July 2011  
 Est. Completion Date: June 2012

Project Category: New Construction

Project Status: Planned/Programmed Project  
 Project Number: TBD

## **Project Description, Justification and Location**

Installation of an active methane gas extraction system with a flare at the Croft Landfill. With the installation of this system, methane gas can be collected and burned off through a candlestick flare that will result in keeping methane gas percentages in compliance with state regulations.

## **Benefits to Residents, Visitors, Businesses, or County Employees**

This project will benefit the county by assuring compliance with state regulations regarding methane levels at landfills.

## **Impact on Annual Operating Budget**

Additional operating costs of approximately \$10,000 annually will be added to the costs of operating the passive gas extraction system currently in place.

## **Project Status (as of June 1, 2008)**

Planned/Programmed project scheduled for funding beginning FY 2011/12. Project was scheduled for funding in the FY 2008-12 CIP beginning FY 2008/09. Due to updated department priorities, and the desire to study the feasibility of partnering with a local industry to utilize the methane gas instead of burning it off, the project has been rescheduled for FY 2011/12.

### **Project Expenditures and Funding Sources**

PROJECT	TOTAL PROJECT COST	COMMITTED FUNDING	FY 2008/09	FY 2009/10	FY 2010/11	FY 2011/12	FY 2012/13	FY 2009-13 TOTAL
<b>Croft Landfill Methane Gas Extraction System</b>								
<u>Expenditures</u>								
Planning/Design/Engineering	0	0	0	0	0	0	0	0
Land Acquisition/Right-of-Way	65,000	0	0	0	0	65,000	0	65,000
Construction/Improvements	600,000	0	0	0	0	600,000	0	600,000
Capital Materials/Equipment	0	0	0	0	0	0	0	0
Technology Expenditures	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
<b>Total Expenditures</b>	<b>665,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>665,000</b>	<b>0</b>	<b>665,000</b>
<u>Revenues</u>								
Solid Waste Revenue Bond - FY 2009/10	665,000	0	0	0	0	665,000	0	665,000
<b>Total Revenues</b>	<b>665,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>665,000</b>	<b>0</b>	<b>665,000</b>

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