

PERMIT DATA FORM

CHECK IF NEW: _____

MOD NEW / RENEWAL _____

SITE WAFR # AIR # 48-0165969

SITE/WAFER/FACILITY NAME: Vista Lf - WPF

PROJECT NAME: _____

DESC: _____

TYPE CODE: SO SUBCODE: 30 CHECK IF GP _____ EXEMPT _____ NPDES _____

CORRECT FEE: \$ 2000 -

PROCESSOR: He

AMOUNT RCV'D: 2000 -

AMOUNT REFUND: _____

MONIES DUE: _____

RED ___ YELLOW ___ GREEN ___ NO PERMIT REQ ___

HISTORY SHEET

SITE/WAFR/AIR#: 48-D165969-017 TYPE: DD SUBTYPE: 30

SITE/WAFR/AID:
NAME:

Vista of WPF

**PROJECT
NAME:**

[illegible]



VISTA LANDFILL, INC.

242 W. Keene Road
Apopka, FL 32703
(407) 886-2920
(407) 889-8043 Fax

December 7, 2009

Mr. Thomas Lubozynski, P.E.
Environmental Administrator – Waste Management
Florida Department of Environmental Protection
Central District Office
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

RECEIVED

DEC 07 2009

DEP Central Dist.

RE: Orange County – SW
Vista Landfill – Class III
Permit Numbers SC48-0165969-014/SO48-0165969-015
WACS# 87081
Permit Application to Construct and Operate a Waste Processing Facility
Proposed Vista Materials Recovery Facility

Dear Mr. Lubozynski:

Please find enclosed four originals of the subject application under separate cover from our consultant Ray Chewning, P.E.

If you have any questions regarding the submittal please contact me at my email address sggrant@wm.com or mobile telephone 407-902-1469. Please include me on the distribution list for subsequent correspondence regarding this matter.

Respectfully

A handwritten signature in black ink, appearing to read 'Sherree Grant'.

Sherree Grant
North Florida Market Area Engineer
Waste Management, Inc. of Florida

Cc: Jay Davoll, P.E., City of Apopka Engineer
Irvin Slike, WMIF
Site File

From everyday collection to environmental protection, Think Green® Think Waste Management.



THIS DOCUMENT HAS A COLORED BACKGROUND AND MICROPRINTING IN THE ENDORSEMENT SIGNATURE LINE. THE REVERSE SIDE OF THIS DOCUMENT HAS AN ARTIFICIAL WATERMARK.



Waste Management
P.O. Box 3027
Houston, TX 77253

ED

BANK OF AMERICA
COMMERCIAL DISBURSEMENT ACCOUNT
NORTHBROOK, IL

CHECK NO

0008414797

70-2328 / 719



Security features
included.
Details on back.

PAY EXACTLY

DATE: 11/17/2009

PAY EXACTLY

****TWO THOUSAND AND XX / 100 DOLLAR****

\$2,000.00***

VOID AFTER 90 DAYS

TO THE
ORDER
OF

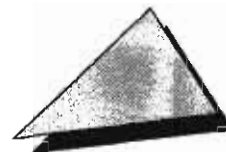
FLORIDA DEPT OF ENVIRONMENTAL PROTECT
SW District Solid Waste Management
3804 Coconut Palm Dr
Tampa, FL 33619

Cherie C. Rice

AUTHORIZED SIGNATURE

AUTHORIZED SIGNATURE

Raymond J. Chewning, P.E.
11205 3rd Street East
Treasure Island, FL 33706
770.364.1804
rchewning1@tampabay.rr.com



December 3, 2009

George Cheryan
Central District Office
Solid Waste Section
3319 Maguire Blvd, Suite 232
Orlando, Florida 32803-3767
phone: 407 893-3328
fax: 407 893-3124

RE: Permit Application to Construct and Operate a Waste Processing Facility
Vista Materials Recovery Facility
Waste Management Inc. of Florida - Vista Landfill
242 W. Keene Road
Apopka, Orange County, Florida 32703

On behalf of Waste Management Inc. of Florida (WMIF), please find four copies of an application to permit a "Materials Recovery Facility". I have also enclosed a check for \$2,000.00 as required payment for the application processing fee. Should you have any questions or require clarification related to this permit, please contact me at 770-364-1804 or e-mail me at rchewning1@tampabay.rr.com.

Respectfully


Raymond J. Chewning, P.E.

RECEIVED

DEC 07 2009

DEP Central Dist.

cc: Irv Slike, WMIF
Sheree Grant, WMIF

EXECUTIVE SUMMARY

This solid waste permit application has been prepared for the purpose of obtaining Florida Department of Environmental Protection (FDEP) and City of Apopka (COA) approval to construct and operate a waste processing facility located in City of Apopka, Orange County, Florida. The proposed facility will be operated within the property boundary of the Vista Landfill, LLC, Class III facility which is owned and operated by Waste Management Inc. of Florida (WMIF). This permit application was prepared by Raymond J. Chewning, P.E., Engineering Consultant and Geosyntec Consultants on behalf of Waste Management Inc. of Florida. The purpose of this submittal is to describe the operation and procedures that will be implemented at the proposed waste processing facility which will be formally named Vista Materials Recovery Facility (VMRF). Only Class III and Construction and Demolition Debris (C&DD) waste materials will be accepted at VMRF. Recyclables and residual waste will be sorted and removed on a first in, first out basis. All residual waste, Class III and C&DD shall be disposed of at the Vista Landfill, LLC, Class III landfill, a FDEP and COA approved waste disposal facility.

This application addresses all applicable parts of FDEP Form 62-701.900(4), *Application for a Permit to Construct, Operate or Modify a Waste Processing Facility*, in accordance with the applicable provisions of Chapter 62-701 of the Florida Administrative Code. Permit drawings have been developed to provide the operational site plan and sufficient detail for permit approval.

The written documentation includes the following:

- engineering report;
- FDEP Form 62-701.9(4);
- operation plan;
- permit drawings; and
- financial assurance documentation.

RECEIVED

DEC 07 2009

DEP Central Dist.

RECEIVED

DEC 07 2009

DEP Central Dist.

Applicant:



WASTE MANAGEMENT

Waste Management Inc. of Florida

242 West Keene Road

Apopka, Florida

PERMIT APPLICATION TO CONSTRUCT AND OPERATE A WASTE PROCESSING FACILITY

VISTA MATERIALS RECOVERY FACILITY

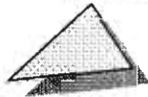
Vista Landfill, LLC

242 West Keene Road

Apopka, Orange County, Florida

Raymond J. Chewning, P.E.

Engineering Consultant



11205 3rd Street East

Treasure Island, FL 33706

Prepared by:

Geosyntec

consultants

14055 Riveredge Drive, Suite 300

Tampa, FL 33637

A handwritten signature of Raymond J. Chewning, P.E., in black ink.

Raymond J. Chewning, P.E.

Florida Registration No. 63782

Date: 11/20/09

November 2009

TABLE OF CONTENTS

1	INTRODUCTION.....	1
1.1	Terms of Reference	1
1.2	Facility Location	1
1.3	Purpose and Scope	2
1.4	Report Organization	2
2	VISTA MATERIALS RECOVERY FACILITY.....	3
2.1	Background	3
2.2	Proof of Property Ownership	3
2.3	Boundary Survey, Legal Description and Topographic Survey	3
2.4	Layout and Configuration	4
2.5	Facility Operation.....	4
3	CONSTRUCTION CERTIFICATION	5
4	CLOSURE PLAN	6
5	FINANCIAL ASSURANCE	7
6	STORM WATER CONTROL.....	8
7	NOTICE OF APPLICATION	9
8	RECORD KEEPING.....	10
8.1	Operational Records	10
8.2	Annual Recycling Report	10

FIGURES

- FIGURE 1:** VICINITY MAP
FIGURE 2: REGIONAL MAP

APPENDICES

APPENDIX A:	FDEP FORM 62-701.900(4)
APPENDIX B:	PERMIT DRAWINGS
APPENDIX C:	PROOF OF PROPERTY OWNERSHIP
APPENDIX D:	BOUNDARY SURVEY, LEGAL DESCRIPTION AND TOPOGRAPHIC SURVEY
APPENDIX E:	OPERATION PLAN
APPENDIX F:	FINANCIAL ASSURANCE DOCUMENTATION
APPENDIX G:	ENVIRONMENTAL RESOURCE PERMIT

1 INTRODUCTION

1.1 Terms of Reference

This report has been prepared in support of a solid waste permit application to construct and operate a waste processing facility located in Orange County, Florida. The proposed waste processing facility is hereafter referred to as the Vista Materials Recovery Facility (VMRF). The application is submitted to Florida Department of Environmental Protection (FDEP) – Central District and the City of Apopka (COA) on behalf of Waste Management Inc. of Florida (WMIF). The application was developed to comply with the requirements of Chapter 62-701 of the Florida Administrative Code (F.A.C.).

FDEP Form 62-701.900(4), *Application for Permit to Construct, Operate or Modify a Waste Processing Facility* has been used to verify the completeness of this application, and is included as Appendix A. The additional information (Items B.1 through B.13) requirements in FDEP Form 62-701.900(4) are addressed in the attachment included in Appendix A.

Permit drawings titled “Application for a Permit to Construct and Operate, Vista Materials Recovery Facility” provide a site plan layout and associated details, which are included in Appendix B. These permit drawings are intended to provide sufficient detail for permit approval.

This application has been prepared by Raymond J. Chewning, P.E. an independent engineering consultant and Dr. Juan D. Quiroz, P.E. of Geosyntec. Professional Engineer certification is provided on the cover sheet of this report, on the FDEP Form 62-701.900(4), and on each sheet of the permit drawings.

1.2 Facility Location

The proposed VMRF has been sited within the Vista Landfill, LLC property owned by WMIF located at 242 West Keene Road, Apopka, Orange County, Florida. The property is located within Section 28, Township 21 South, Range 28 East in Orange County, Florida. The main entrance to the property is located at latitude 28°38'17.1", longitude 81°30'49.7". To access VMRF, users will take the main access road for the landfill off of West Keene Road. Vehicles will be directed to the VMRF by the scale attendant and signage. VMRF will be temporarily located within the future Cell 5 footprint of the Vista Landfill which was previously permitted through and approved by FDEP and COA. As landfill development continues, VMRF will be removed during Cell 5 construction.

A vicinity map is provided as Figure 1, which shows significant features near the site and future land use and zoning within a 1-mile radius from the VMRF property boundary. Figure 2 presents a regional map, which shows all airports within a 5-mile radius from the VMRF property.

1.3 Purpose and Scope

This report is submitted to FDEP and COA as part of a solid waste permit application to construct and operate the proposed VMRF located in Orange County, Florida. The purpose of this report is to describe the operation and procedures that will be implemented at the proposed VMRF, and address all the applicable parts of the FDEP Form 62-701.900(4) in accordance with all the applicable provisions of Chapter 62-701 of the F.A.C., specifically Rule 62-701.710.

1.4 Report Organization

In accordance with Rule 62-701.320, F.A.C., the remainder of this report is organized as follows:

- *Section 2 – Vista Materials Recovery Facility:* This section provides the project background, the proposed waste processing facility layout and configuration, and general operation procedures;
- *Section 3 – Construction Certification:* This section describes the construction certification process prior to acceptance of any solid waste;
- *Section 4 – Closure Plan:* This section outlines the closure procedures for the proposed waste processing facility;
- *Section 5 – Financial Assurance:* This section discusses the special financial assurance requirements associated with the proposed waste processing facility;
- *Section 6 – Storm Water Control:* This section discusses the storm water control system and special requirements for the waste processing facility;
- *Section 7 – Notice of Application:* This section discusses the notice of publication requirements for this application; and
- *Section 8 – Record Keeping:* This section describes the recordkeeping activities to be conducted for the proposed waste processing facility.

2 VISTA MATERIALS RECOVERY FACILITY

2.1 Background

WMIF owns a 150-acre property on West Keene Road, Apopka, Orange County, Florida. The property consists of a FDEP and COA approved Class III landfill referred to as the Vista Landfill, LLC. In addition to a lined Class III disposal area, the facility also has a Yard Waste Processing Area and a Small Waste Tire Processing Area.

WMIF wishes to obtain a Materials Recovery Facility permit to provide recycling services to customers utilizing the facility. Many of the customers which utilize the facility are engaged in the Leadership in Energy and Environmental Design (LEED) Green Building Rating System™ which encourages and accelerates global adoption of sustainable green building and development practices. As part of this program, substantial recycling goals have been established to obtain LEED certification. WMIF intends to construct and operate a Class III Materials Recovery Facility to meet these requirements and thereby reduce the volume of waste disposed of at the landfill.

It is anticipated that approximately 250 tons per day of waste will be accepted at the proposed materials recovery facility. VMRF has also been configured to recover recyclable materials from Class III and Construction and Demolition Debris (C&DD) waste including concrete, roofing materials, wood, metal, plastic, glass, and others recyclable and reusable construction materials.

2.2 Proof of Property Ownership

In accordance with Rule 62-701.320(7)(g) of the F.A.C., supporting documentation indicating that WMIF owns the VMRF property is provided in Appendix C.

2.3 Boundary Survey, Legal Description and Topographic Survey

In accordance with Rule 62-701.710(2)(g) of the F.A.C., a boundary survey with a legal description of the entire property owned by WMIF is provided in Appendix D. A topographic survey of the property is also provided in Appendix D.

2.4 Layout and Configuration

Sheets 3 and 4 of the permit drawings (see Appendix B) provide a plan view of the layout and configuration details of the proposed VMRF. Access to VMRF will be provided via the same site entrance utilized for the Vista Landfill site. Relevant features presented on Sheets 3 and 4 of the permit drawings include: direction of traffic flow, waste collection / loading areas, on-site storage areas, leachate management system, and storm water management system.

2.5 Facility Operation

An Operation Plan has been developed to describe the framework to operate and manage VMRF so that the facility is operated and maintained in a condition that protects the public health and the environment. The Operation Plan is presented in Appendix E.

VMRF will operate as a Materials Recovery Facility for Class III waste. Waste received at VMRF will be processed and recyclable materials will be recovered. Recyclable materials to be recovered include concrete, roofing tiles, roofing shingles, wood, metal, plastic, glass, and other construction recyclables. The Operation Plan provides a detailed description of the daily operations of VMRF, including detailed information on facility personnel, entrance procedures, waste inspection and management, record keeping, and a safety plan. The Operation Plan also details contingency operations as required by Rules 62-701.320(7)(e)1 and 62-701.320(7)(e)2 of the F.A.C.

3 CONSTRUCTION CERTIFICATION

Once construction of VMRF is completed and prior to acceptance of any solid waste, or in the future, should modifications require construction activities for the VMRF facility, the engineer-of-record shall provide FDEP with certification that the construction is complete and has been performed in accordance with the approved permit. The certification shall include a description of any minor deviations. The certification shall be provided on FDEP Form 62-701.900(2), *Certification of Construction Completion of a Solid Waste Management Facility*. The notification shall be provided to FDEP a minimum of fourteen days prior to utilizing the newly constructed area.

4 CLOSURE PLAN

The purpose of the closure plan is to identify the steps needed to close and cease operations at the VMRF facility. WMIF shall notify the FDEP and COA in writing prior to ceasing operations, and shall specify a closing date. No waste will be accepted by the facility after the closing date. Moreover, within 30 days after receiving the final waste load, all waste or waste residue, and all recovered materials will be transferred to a FDEP approved waste disposal facility. Closure will be completed within 180 days of after receiving the final waste load.

Waste management activities at VMRF includes the handling of Class III materials which are not expected to produce leachate that poses a threat to public health or the environment. Water will be used to clean the floor of the facility building and flow will be directed to the leachate control system located in the collection / loading area.

Once closure of VMRF is complete, WMIF shall submit a certification of closure completion to FDEP. Within 30 days, FDEP will conduct a site inspection to verify closure and advise the owner of the closure status.

5 FINANCIAL ASSURANCE

As presented in the Operation Plan (see Appendix E), Class III waste and recyclable materials at VMRF will be accepted, sorted and removed from the site on a first-in, first-out basis. All residual waste materials will be disposed of within the Vista Landfill, an FDEP approved Class III waste disposal facility. All Class III materials will be removed from the site on a daily basis. All recyclable materials will be removed when sufficient quantities have been stockpiled to constitute a load. It is anticipated that this will occur on a weekly basis for most recyclables although some materials may not be collected in sufficient quantities to constitute a load each week.

In accordance with Rule 62-701.710(10) of the F.A.C., “transfer stations which accept primarily household waste, commercial waste, or recovered materials, which manage waste on a first-in, first-out basis, and which store waste for no greater than 7 days are exempt from the requirement to provide financial assurance set forth in Subsection (7)” of Rule 62-701.710 of the F.A.C. Since recyclable materials may be stored on-site for a period greater than 7 days, the VMRF will provide financial assurance documentation to cover potential costs associated with the proper removal of these materials.

Financial assurance documentation for VMRF including a closure cost estimate is provided in Appendix F. The financial assurance cost estimate has been prepared in accordance with Rule 62-701.710(7) of the F.A.C.

6 STORM WATER CONTROL

Elements of the storm water management system for VMRF are presented on Sheet 3 of the permit drawings (see Appendix B). Run-off from the VMRF facility area will be conveyed to the landfill perimeter storm water swale that discharges to the entrance area storm water pond located along the northern portion of the Vista Landfill, LLC property.

As required by Rule 62-701.710(8), F.A.C., a copy of the storm water control permit, Environmental Resources Permit (ERP) number ERP48-0111044-005-EM is provided in Appendix G.

7 NOTICE OF APPLICATION

In accordance with Rule 62-701.710(8)(a) of the F.A.C., the applicant for a permit to construct shall publish and provide proof of publication to FDEP of a Notice of Application in a newspaper of general circulation in the area where the facility will be located.

After submittal of the application for a permit to construct and operate VMRF, FDEP will forward the precise Notice of Application language to WMIF for publication. Subsequently, WMIF will promptly publish the Notice of Application.

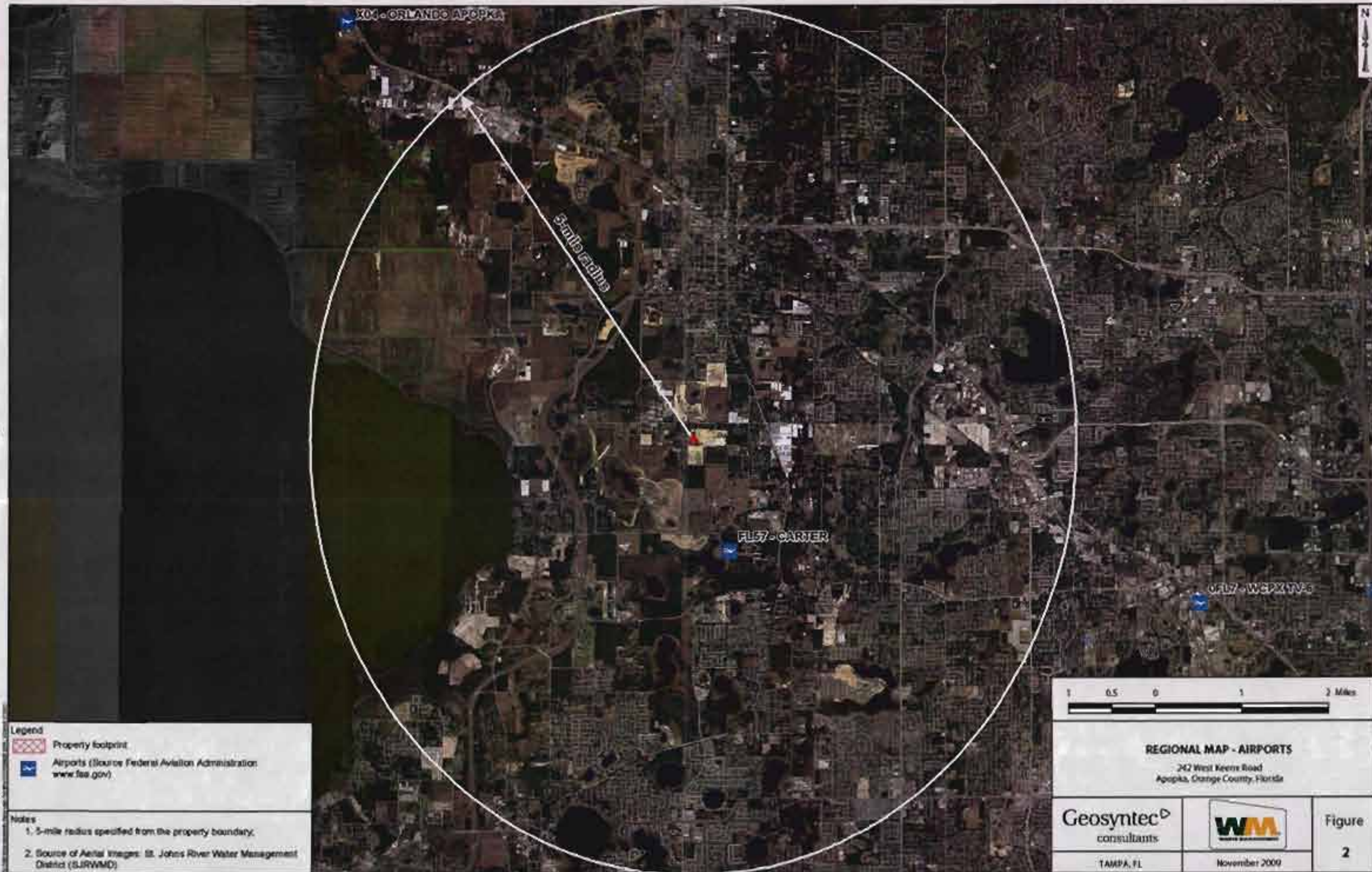
8 RECORD KEEPING

8.1 Operational Records

WMIF will maintain operational records of VMRF. The records will include a daily log of the quantity of solid waste received, processed, stored, and removed from the site for recycling or disposal. They will include the county of origin of the waste, if known. The records will also include each type of solid waste, recovered materials, residuals, and unacceptable waste that is processed, recycled, and disposed. The records shall be compiled on a monthly basis and shall be available for inspection by FDEP and COA. The reports shall be retained at VMRF for three years.

8.2 Annual Recycling Report

WMIF will provide FDEP and COA with an annual recycling report. The report will be submitted on Form 62-701.900(7). The report will include a summary of: (i) the amount and type of waste received; (ii) the amount and types of waste disposed; and (iii) the amount and types of waste recycled. For the waste recycled, the report will include the county of origin, if known, or a statement that the county of origin is unknown. The report shall be submitted no later than April 1 of each year, and shall cover the preceding calendar year.



Legend



Property footprint



Airports (Source: Federal Aviation Administration
www.faa.gov)

Notes

1. 5-mile radius specified from the property boundary.
2. Source of Aerial Images: St. Johns River Water Management District (SJRWMD)

APPENDIX A

FDEP FORM 62-701.900(4)



Florida Department of Environmental Protection

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, FL 32399-2400

DEP Form # 62-701.900(4)
Form Title <u>Application to Construct, Operate or</u>
<u>Modify a Waste Processing Facility</u>
Effective Date <u>05-27-01</u>
DEP Application No. _____
(Filled by DEP)

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

APPLICATION FOR PERMIT TO CONSTRUCT, OPERATE OR MODIFY A WASTE PROCESSING FACILITY

GENERAL REQUIREMENT: Solid Waste Management Facilities shall be permitted pursuant to Section 403.707, Florida Statutes, (F.S.) and in accordance with Florida Administrative Code (F.A.C.) Chapter 62-701. A minimum of four copies of the application shall be submitted to the Department District Office having jurisdiction over the facility. The appropriate fee in accordance with Rule 62-701.315(4), F.A.C., shall be submitted with the application by check made payable to the Department of Environmental Protection (DEP). Complete appropriate sections for the type of facility for which application is made and include all additional information, drawings, and reports necessary to evaluate the facility.

Please Type or Print in Ink

A. GENERAL INFORMATION

1. Type of facility (check all that apply):

☐ Transfer Station

☒ Materials Recovery Facility:

☐ C&D Recycling

☒ Class III MRF

☐ MSW MRF

☐ Other Describe: _____

☐ Volume Reduction Facility

☐ Pulverizer/Shredder

☐ Compactor/Baling

☐ Other Describe: _____

NOTE: C&D Disposal facilities that also recycle C&D, shall apply on DEP FORM 62-701.900(6), F.A.C.

2. Type of application:

☒ Construction/Operation

☐ Operation Without Additional Construction

3. Classification of application:

☒ New

☐ Substantial Modification

☐ Renewal

☐ Intermediate Modification

☐ Minor Modification

4. Facility name: Vista Materials Recovery Facility

5. DEP ID number: _____ County: Orange

6. Facility location (main entrance): 242 West Keene Road

City of Apopka, Orange County, Florida

7. Location coordinates:

Section: 28 Township: 21 S Range: 28 E

UTMs: Zone _____ km E _____ km N

Latitude: 28 ° 38 ' 24.5 " Longitude: 81 ° 30 ' 41.7 "

Northwest District
160 Governmental Center
Pensacola, FL 32501-5794
850-595-8360

Northeast District
7825 Baymeadows Way, Ste. B200
Jacksonville, FL 32256-7590
904-807-3300

Central District
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803-3767
407-894-7555

Southwest District
3804 Coconut Palm Dr.
Tampa, FL 33619
813-832-7600

South District
2295 Victoria Ave., Ste. 364
Fort Myers, FL 33901-3881
239-332-6975

Southeast District
400 North Congress Ave.
West Palm Beach, FL 33401
561-681-6600

8. Applicant name (operating authority): Waste Management Inc. of Florida
Mailing address: 242 West Keene Road, Apopka, FL
Street or P.O. Box City State Zip
Contact person: Irv Slike Telephone: (407) 886-2920
Title: District Manager islike@wm.com
E-Mail address (if available)
9. Authorized agent/Consultant: Raymond J. Chewning, P.E.
Mailing address: 11205 3rd Street East, Treasure Island, FL 33706
Street or P.O. Box City State Zip
Contact person: Raymond J. Chewning, P.E. Telephone: (770) 364-1804
Title: Engineering Consultant rchewning1@tampabay.rr.com
E-Mail address (if available)
10. Landowner(if different than applicant): Same as Applicant
Mailing address: _____
Street or P.O. Box City State Zip
Contact person: _____ Telephone: () _____
E-Mail address (if available)
11. Cities, towns and areas to be served: _____
Orange County and Greater Orlando Area
12. Date site will be ready to be inspected for completion: to be determined
13. Estimated costs:
Total Construction: \$ \$750,000 Closing Costs: \$ \$31,690
14. Anticipated construction starting and completion dates:
From: January 2010 To: March 2010
15. Expected volume of waste to be received: _____ yds³/day 250 tons/day
16. Provide a brief description of the operations planned for this facility: _____
Development of a Materials Recovery Facility to provide recycling services to customers
engaged in Leadership in Energy and Environmental Design (LEED)Green Building Rating System™
which encourages and accelerates global adoption of sustainable green building and development practices.

B. ADDITIONAL INFORMATION

Please attach the following reports or documentation as required.

1. Provide a description of the solid waste that is proposed to be collected, stored, processed or disposed of by the facility, a projection of those waste types and quantities expected in future years, and the assumptions used to make the projections (Rule 62-701.710(2)(a), F.A.C.).
2. Attach a site plan, signed and sealed by a professional engineer registered under Chapter 471, F.S., with a scale not greater than 200 feet to the inch, which shows the facility location, total acreage of the site, and any other relevant features such as water bodies or wetlands on or within 200 feet of the site, potable water wells on or within 500 feet of the site and wells serving community water supplies on or within 1000 feet of the site (Rule 62-701.710(2)(b), F.A.C.).
3. Provide a description of the operation and functions of all processing equipment that will be used, with design criteria and expected performance. The description shall show the flow of solid waste and associated operations in detail, and shall include (Rule 62-701.710(2)(c), F.A.C.):
 - a. Regular facility operations as they are expected to occur;
 - b. Procedures for start up operations, and scheduled and unscheduled shut down operations; and
 - c. Potential safety hazards and control methods, including fire detection and control.
4. Provide a description of the design requirements for the facility which demonstrate how the applicant will comply with Rule 62-701.710(3), F.A.C.
5. Provide a description of the loading, unloading, storage and processing areas (Rule 62-701.710(2)(d), F.A.C.).
6. Provide the identification and capacity of any on-site storage areas for recyclable materials, non-processable wastes, unauthorized wastes, and residues (Rule 62-701.710(2)(e), F.A.C.).
7. Provide a plan for disposal of unmarketable recyclable materials and residue, and for waste handling capability in the event of breakdowns in the operations or equipment (Rule 62-701.710(2)(f), F.A.C.).
8. Provide a boundary survey, legal description, and topographic survey of the property (Rule 62-701.710(2)(g), F.A.C.).
9. Provide an operation plan which describes how the applicant will comply with Rule 62-701.710(4), F.A.C. (Rule 62-701.710(2)(h), F.A.C.).
10. Provide a closure plan which describes generally how the applicant will comply with Rule 62-701.710(6), F.A.C. (Rule 62-701.710(2)(i), F.A.C.).
11. Unless exempted by Rule 62-701.710(10)(a), F.A.C., provide the financial assurance documentation required by Rule 62-701.710(7), F.A.C. (Rule 62-701.710(2)(j), F.A.C.).
12. Provide documentation to show that stormwater will be controlled according to the requirements of Rule 62-701.710(8), F.A.C.
13. Provide documentation to show that the applicant will comply with the recordkeeping requirements of Rule 62-701.710(9), F.A.C.

C. CERTIFICATION BY APPLICANT AND ENGINEER OR PUBLIC OFFICER

1. Applicant:

The undersigned applicant or authorized representative of WMIF

Waste Management Inc. of Florida is aware that statements made in this form and attached

information are an application for a Waste Processing Facility Permit from the Florida Department of Environmental Protection and certifies that the information in this application is true, correct and complete to the best of his/her knowledge and belief. Further, the undersigned agrees to comply with the provisions of Chapter 403, Florida Statutes, and all rules and regulations of the Department. It is understood that the Permit is not transferable, and the Department will be notified prior to the sale or legal transfer of the permitted facility.


Signature of Applicant or Agent

David McConnell, VP

Name and Title (please type)

DMcConnell@wm.com

E-Mail address (if available)

6501 Greenland Road

Mailing Address

Jacksonville, FL 32258

City, State, Zip Code

() (904) 370-1945

Telephone Number

Date: 11-17-09

Attach letter of authorization if agent is not a governmental official, owner, or corporate officer.

2. Professional Engineer registered in Florida (or Public Officer if authorized under Sections 403.707 and 403.7075, Florida Statutes):

This is to certify that the engineering features of this waste processing facility have been designed/examined by me and found to conform to engineering principles applicable to such facilities. In my professional judgment, this facility, when properly maintained and operated, will comply with all applicable statutes of the State of Florida and rules of the Department. It is agreed that the undersigned will provide the applicant with a set of instructions of proper maintenance and operation of the facility.


Signature

Raymond J. Chewning, P.E.

Name and Title (please type)

11/30/09

63782

Florida Registration Number
(please affix seal)

11205 3rd Street East

Mailing Address

Treasure Island, FL 33706

City, State, Zip Code

rchewning1@tampabay.rr.com

E-Mail address (if available)

(770) 364-1804

Telephone Number

Date: 11/30/09

FDEP Form 62-701.900(4)

Part B – Additional Information

In accordance with FDEP Form 62-701.900(4), *Application for a Permit to Construct, Operate or Modify a Waste Processing Facility*, the following additional information is provided to address Items B.1 through B.13 of Part B in FDEP Form 62-701.900(4). The location (i.e., permit application appendix, Operation Plan section or Engineering Report section) of the required additional information is provided in bold font below each item.

B. ADDITIONAL INFORMATION

Please attach the following reports or documentation as required.

1. Provide a description of the solid waste that is proposed to be collected, stored, processed or disposed of by the facility, a projection of those waste types and quantities expected in future years, and the assumptions used to make the projections (Rule 62-701.710 (2) (a), F.A.C.).

The description and quantity projections of the solid waste that is to be collected, stored and processed by the Vista Materials Recovery Facility (VMRF) facility is provided in Sections 4.1.1 and 4.1.2 of the Operation Plan which is included in Appendix E.

2. Attach a site plan, signed and sealed by a professional engineer registered under Chapter 471, F.S., with a scale no greater than 200 feet to the inch, which shows the facility location, total acreage of the site, and any other relevant features such as water bodies or wetlands on or within 200 feet of the site, potable water wells on or within 500 feet of the site and wells serving community water supplies on or within 1000 feet of the site (Rule 62-701.710 (2) (b), F.A.C.).

A site plan aerial, signed and sealed by a professional engineer, is provided on Sheet 2 of the permit drawings which are included in Appendix B.

3. Provide a description of the operation and functions of all processing equipment that will be used, with design criteria and expected performance. The description shall show the flow of solid waste and associated operations in detail, and shall include (Rule 62-701.710 (2) (c), F.A.C.)
 - a. Regular facility operations as they are expected to occur;
 - b. Procedure for start up operations, and scheduled and unscheduled shut

- down operations; and
- c. Potential safety hazards and control methods, including fire detection and control.

A description of the operation and functions of the VMRF facility is provided in Section 4 of the Operation Plan which is included in Appendix E. In addition, an Operational Site Plan illustrating the flow of solid waste and associated operation details within the facility is provided on Sheet 3 of the permit drawings which are included in Appendix B.

Facility shutdown procedures are discussed in Sections 4.3, 5.8 and 5.9 of the Operation Plan; and safety control procedures are discussed in Sections 5 and 6 of the Operation Plan.

4. Provide a description of the design requirements for the facility which demonstrate how the applicant will comply with Rule 62-701.710 (3), F.A.C.

The operational design requirements for the VMRF facility are addressed in Section 4.2 of the Operation Plan which is provided in Appendix E. In addition, an Operational Site Plan presenting the waste processing areas and recyclable material storage areas within the facility are provided on Sheets 3 and 4 of the permit drawings which are included in Appendix B.

The leachate management system for the VMRF facility is discussed in Section 4.4 of the Operation Plan; and record keeping procedures are provided in Section 4.7 of the Operation Plan and in Section 8 of the Engineering Report.

5. Provide a description of the loading, unloading, storage and processing areas (Rule 62-701.710 (2) (d), F.A.C.).

A detailed description of the loading, unloading, storage and processing areas is presented in Section 4.2 of the Operation Plan which is provided in Appendix E. In addition, an Operational Site Plan presenting the waste processing areas, and recyclable material storage areas within the facility is provided on Sheet 4 of the permit drawings which are included in Appendix B.

6. Provide the identification and capacity of any on-site storage areas for recyclable materials, non-processable wastes, unauthorized wastes, and residues. (Rule 62-701.710 (2) (e), F.A.C.).

A detailed description of the storage areas for recyclable materials, non-processable wastes and unauthorized wastes is presented in Section 4.2.5 and 4.2.6 of the Operation Plan which is provided in Appendix E. In addition, an Operational Site Plan presenting the on-site storage areas within the facility is provided on Sheet 4 of the permit drawings which are included in Appendix B.

7. Provide a plan for disposal of unmarketable recyclable materials and residue, and for waste handling capability in the event of breakdowns in the operations or equipment. (Rule 62-701.710 (2) (f), F.A.C.).

The plan for disposal of unmarketable recyclable materials is presented in Section 4.2.6 of the Operation Plan which is provided in Appendix E.

The plan for handling waste in the event of breakdowns in the operations or equipment is discussed in Sections 4.3 and 5 of the Operation Plan.

8. Provide a boundary survey, legal description, and topographic survey of the property. (Rule 62-701.710 (2) (g), F.A.C.).

A boundary survey with a legal description and a topographic survey of the entire property owned by Waste Management Inc. of Florida (WMIF) is provided in Appendix D.

9. Provide an operations plan which describes how the applicant will comply with Rule 62-701.710 (4), F.A.C. (Rule 62-701.710 (2) (h), F.A.C.).

The Operation Plan for the VMRF facility is provided in Appendix E.

10. Provide a closure plan which describes generally how the applicant will comply with Rule 62-701.710 (6), F.A.C. (Rule 62-701.710 (2) (i), F.A.C.)

FOURTH:

A. The manner and basis of converting the interests, shares, obligations or other securities of each merged party into the interests, shares, obligations or others securities of the survivor, in whole or in part, into cash or other property is as follows:

The units of the merging party that are issued and outstanding on the effective date of the merger,
shall together and in the aggregate be automatically cancelled.

The units of the surviving party that are issued and outstanding on the effective date of the merger, shall
remain outstanding as units of the surviving party, which units of the surviving party shall continue to be
issued, outstanding, fully paid and non-assessable.

(Attach additional sheet if necessary)

B. The manner and basis of converting rights to acquire the interests, shares, obligations or other securities of each merged party into rights to acquire the interests, shares, obligations or others securities of the survivor, in whole or in part, into cash or other property is as follows:

(Attach additional sheet if necessary)

The Closure Plan for the VMRF facility is provided in Section 4 of the Engineering Report which is included as part of this permit application.

11. Unless exempted by Rule 62-701.710 (10) (a) F.A.C., provide the financial assurance required by Rule 62-701.710 (7) F.A.C. (Rule 62-701.710 (2) (j), F.A.C.).

Section 5 of the Engineering Report, which is submitted as part of this permit application, addresses the financial assurance requirements for the VMRF facility. Since recyclable materials may be stored on-site for a period greater than 7 days, the VMRF facility is required to provide financial assurance documentation. Financial assurance documentation including a closure cost estimate is provided in Appendix F.

12. Provide documentation to show that stormwater will be controlled according to the requirements of Rule 62-701.710 (8), F.A.C.

Section 6 of the Engineering Report, which is submitted as part of this permit application, addresses the storm water control requirements for the VMRF facility.

13. Provide documentation to show that the applicant will comply with the recordkeeping requirements of Rule 62-701.710 (9), F.A.C.

Record keeping procedures are presented in Section 4.7 of the Operation Plan which is provided in Appendix E, and in Section 8 of the Engineering Report which is submitted as part of this permit application.

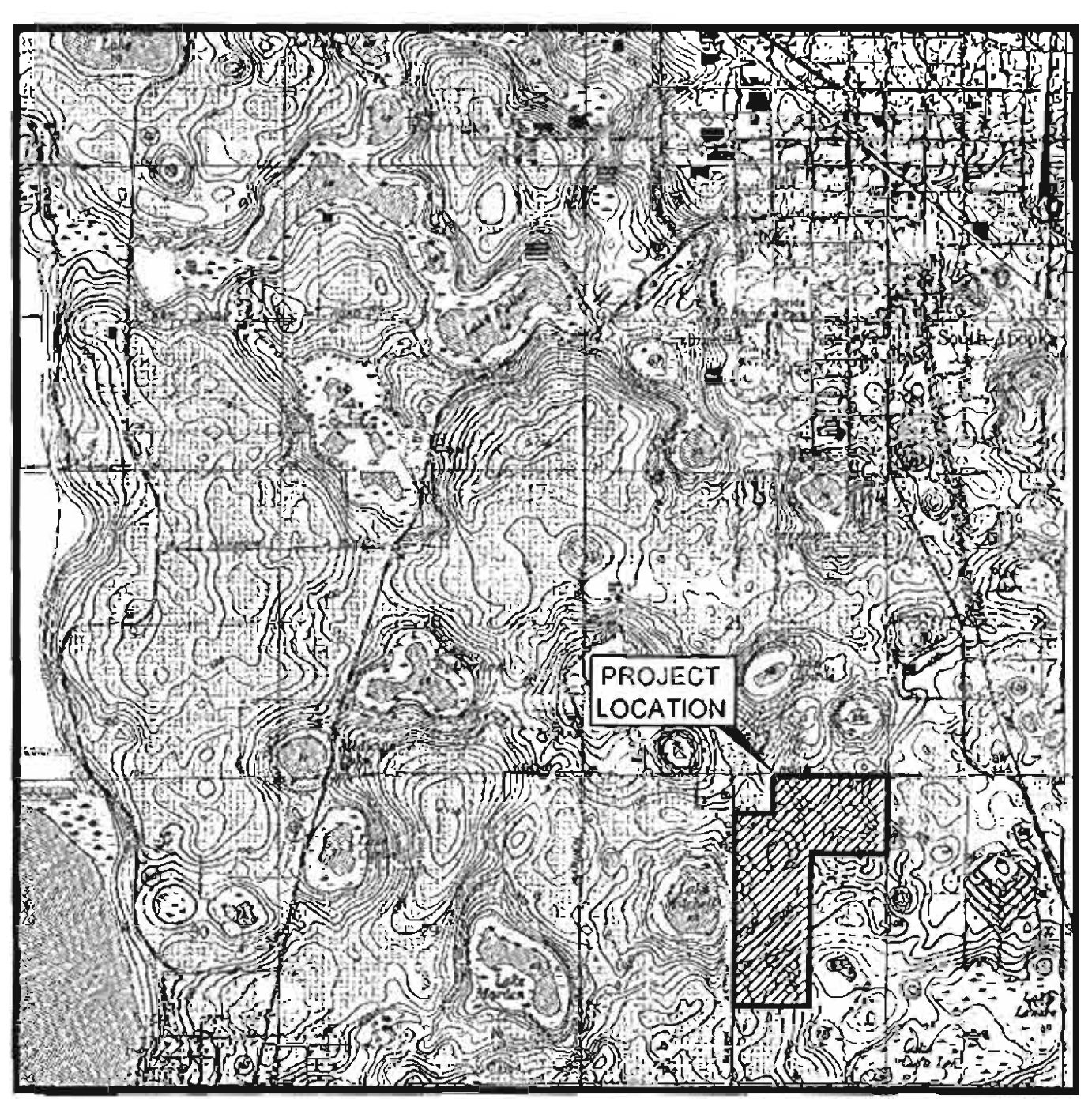
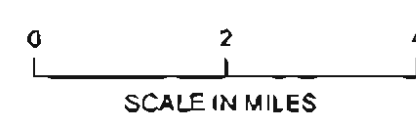
APPENDIX B
Permit Drawings

APPLICATION FOR A PERMIT TO CONSTRUCT AND OPERATE VISTA MATERIALS RECOVERY FACILITY VISTA LANDFILL, L.L.C.

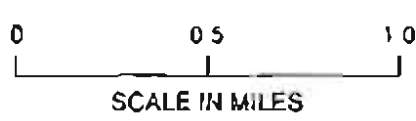
242 WEST KEENE ROAD
APOPKA, FLORIDA 32703 USA
NOVEMBER 2009



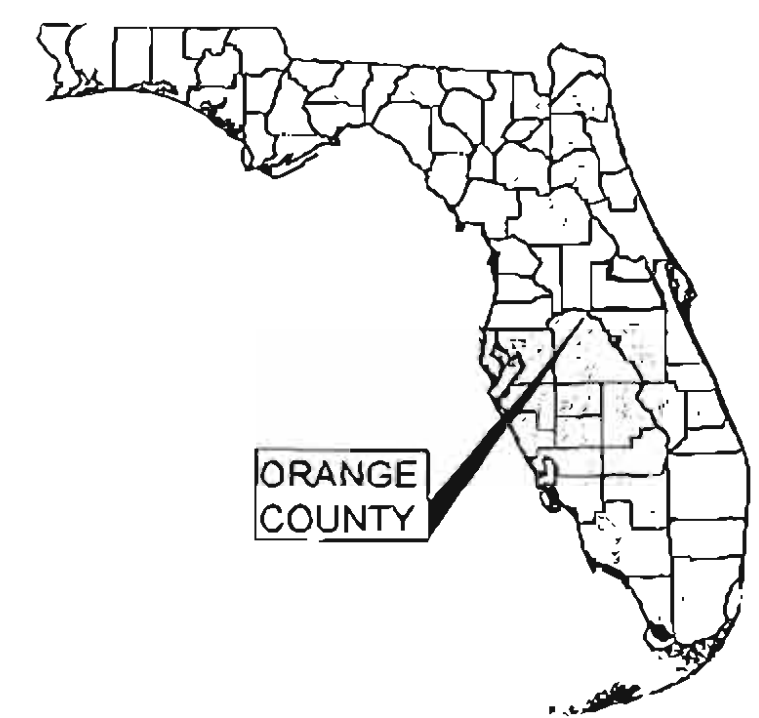
VICINITY MAP



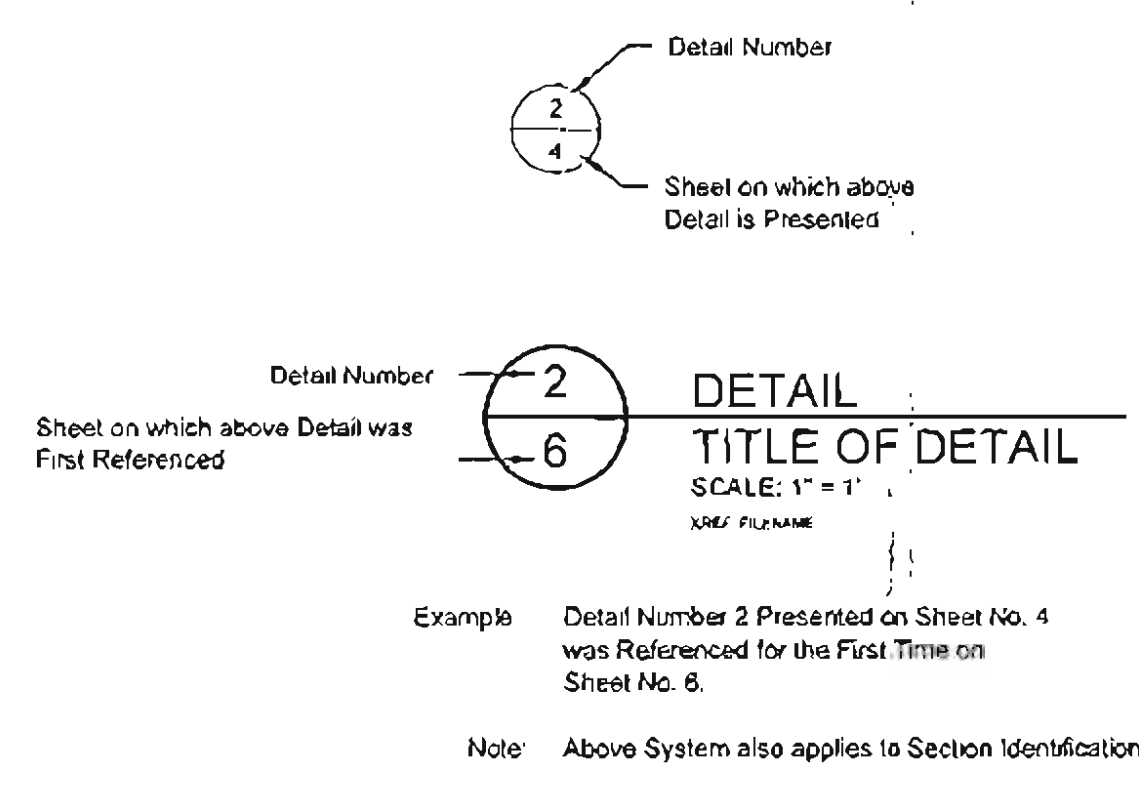
LOCATION MAP



LIST OF DRAWINGS	
SHEET	TITLE
1	TITLE SHEET
2	AERIAL PHOTOGRAPH
3	SITE DEVELOPMENT PLAN
4	OPERATIONAL SITE LAYOUT
5	DETAILS



DETAIL IDENTIFICATION LEGEND



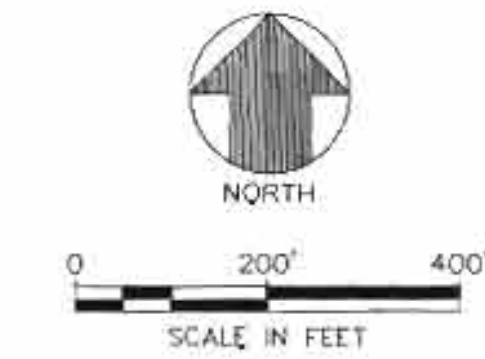
Geosyntec
consultants

PREPARED FOR:
WASTE MANAGEMENT INC. OF FLORIDA
242 WEST KEENE ROAD
APOPKA, FLORIDA 32703 USA
PH: 407.886.2920

PREPARED BY:
GEOSYNTEC CONSULTANTS
14055 RIVEREDGE DRIVE - SUITE 300
TAMPA, FLORIDA 33637 USA
PH: 813.558.0990

0	NOV 2009	ISSUED FOR FDEP APPROVAL	JJV	JDO
REV	DATE	DESCRIPTION	DRN	APP
Geosyntec consultants 14055 RIVEREDGE DRIVE, SUITE 300 TAMPA, FLORIDA 33637 USA PH: 813.558.0990 - FX: 813.558.9776 AUTHORIZATION NUMBER: 4321				
WM WASTE MANAGEMENT 242 WEST KEENE ROAD APOPKA, FLORIDA 32703 PH: 407.886.2920				
TITLE: TITLE SHEET				
PROJECT: MATERIALS RECOVERY FACILITY				
SITE: VISTA LANDFILL, L.L.C. APOPKA, FLORIDA				
THIS DRAWING IS ISSUED FOR PERMITTING ONLY AND MAY NOT BE USED FOR CONSTRUCTION		DESIGN BY: JDO	DATE: 18 NOVEMBER 2009	
		DRAWN BY: JJV	PROJECT NO.: FL1748	
		CHECKED BY: JDO	FILE: FL1748.01P010	
		REVIEWED BY: CRB	DRAWING NO.: 1 OF 5	
		APPROVED BY: JDO		

PERMIT DRAWING

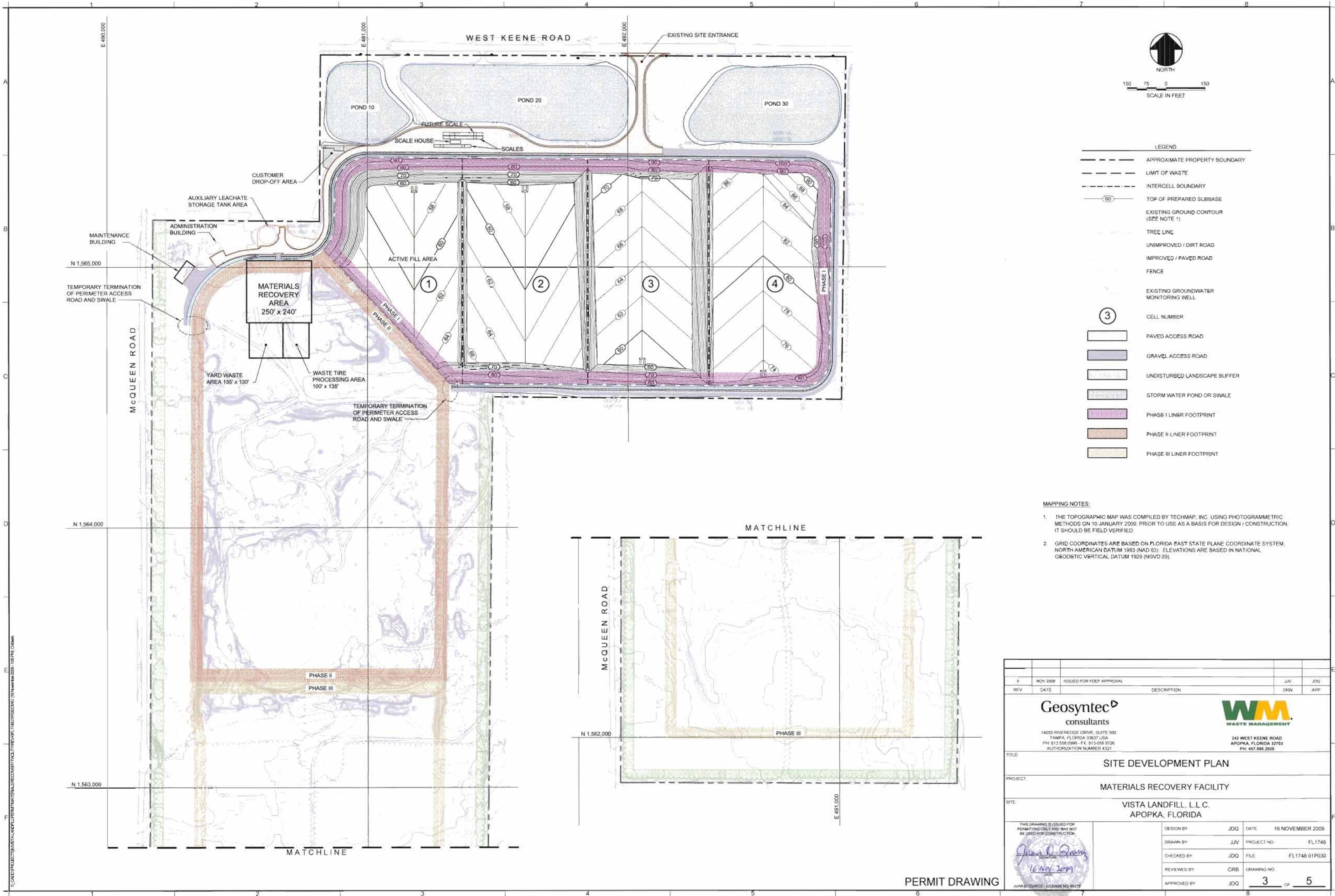


- LEGEND
- APPROXIMATE PROPERTY BOUNDARY
 - MATERIALS RECOVERY FACILITY ACCESS ROAD
 - POTABLE WELLS (NOTE 3)
 - COMMUNITY WELLS (NOTE 4)
 - MONITORING WELL
 - MATERIALS RECOVERY AREA BOUNDARY

- MAPPING NOTES:
- THE AERIAL PHOTOGRAPHS SHOWN WERE OBTAINED FROM TECHMAP, INC. AND DATED 10 JANUARY 2009.
 - GRID COORDINATES ARE BASED ON FLORIDA EAST STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM 1983 (NAD 83). ELEVATIONS ARE BASED IN NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 29).
 - NO POTABLE WATER WELLS ARE LOCATED WITHIN 500 FT OF THE PROPERTY BOUNDARY.
 - NO POTABLE WATER WELLS SERVING A COMMUNITY WATER SUPPLY ARE LOCATED WITHIN 1,000 FT OF THE PROPERTY BOUNDARY.
 - POTABLE WATER WELL INFORMATION PRESENTED HEREON WAS OBTAINED FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION WATER SUPPLY RESTORATION PROGRAM, AND FLORIDA DEPARTMENT OF HEALTH DATABASE.

0	NOV 2009	ISSUED FOR I DEP APPROVAL	JUV	JDG
REV	DATE	DESCRIPTION	DRN	APP
Geosyntec consultants 14055 RIVEREDGE DRIVE, SUITE 300 TAMPA, FLORIDA 33637 USA PH: 813.558.0990 - FX: 813.558.9726 AUTHORIZATION NUMBER 4321				
WM WASTE MANAGEMENT 242 WEST KEENE ROAD APOPKA, FLORIDA 32703 PH: 407.886.2920				
TITLE AERIAL PHOTOGRAPH				
PROJECT MATERIALS RECOVERY FACILITY				
SITE VISTA LANDFILL, L.L.C. APOPKA, FLORIDA				
THIS DRAWING IS ISSUED FOR PERMITTING ONLY AND MAY NOT BE USED FOR CONSTRUCTION		DESIGN BY JUV	DATE 15 NOVEMBER 2009	
DRAWN BY JUV		PROJECT NO. FL1748		
CHECKED BY JDQ		FILE FL1748.01P020		
REVIEWED BY CRV		DRAWING NO.		
APPROVED BY JDQ		2	OF	5

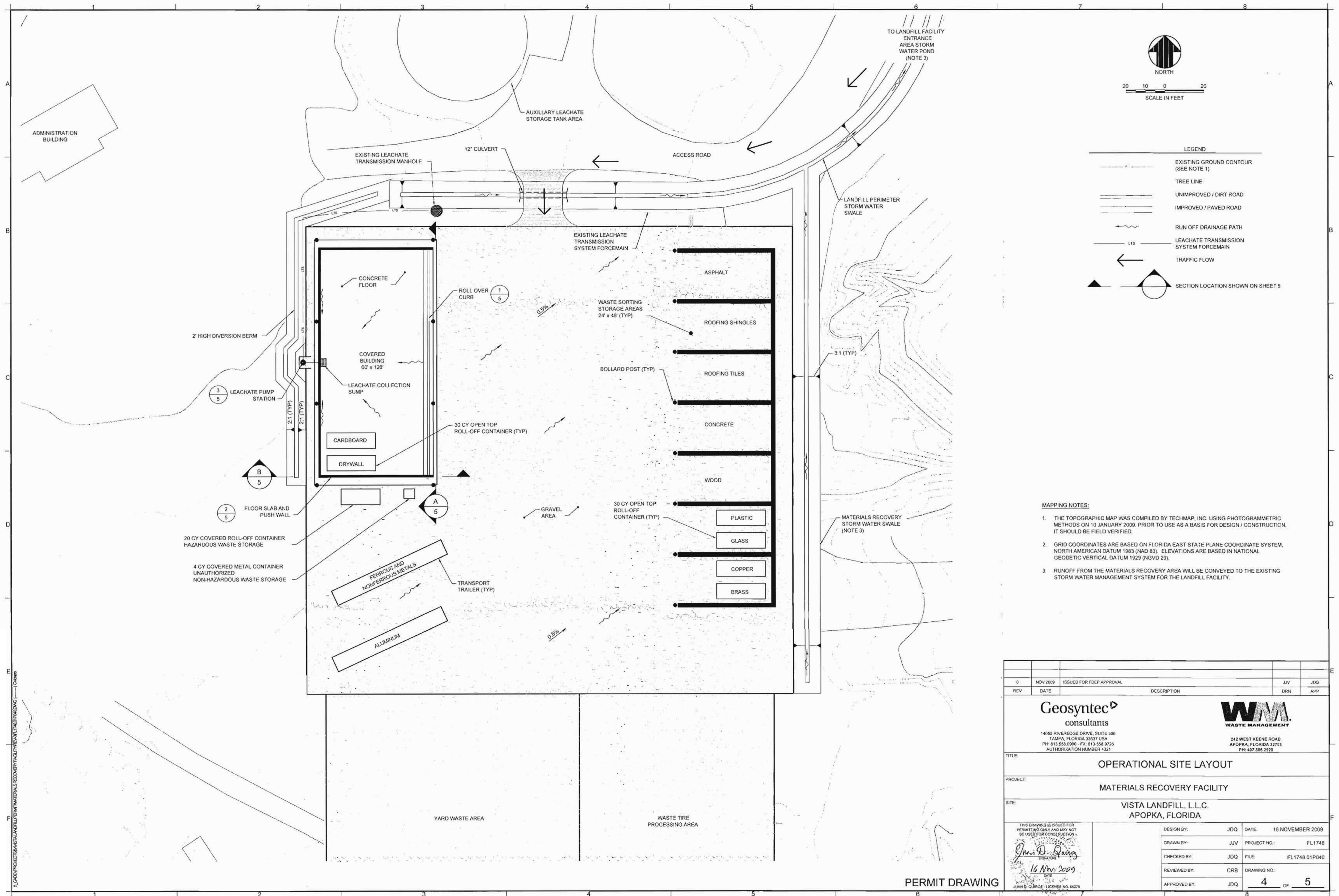
PERMIT DRAWING



- MAPPING NOTES:**
1. THE TOPOGRAPHIC MAP WAS COMPILED BY TECHMAP, INC. USING PHOTOGRAMMETRIC METHODS ON 10 JANUARY 2009. PRIOR TO USE AS A BASIS FOR DESIGN / CONSTRUCTION, IT SHOULD BE FIELD VERIFIED.
 2. GRID COORDINATES ARE BASED ON FLORIDA EAST STATE PLANE COORDINATE SYSTEM, NORTH AMERICAN DATUM 1983 (NAD 83). ELEVATIONS ARE BASED IN NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 29).

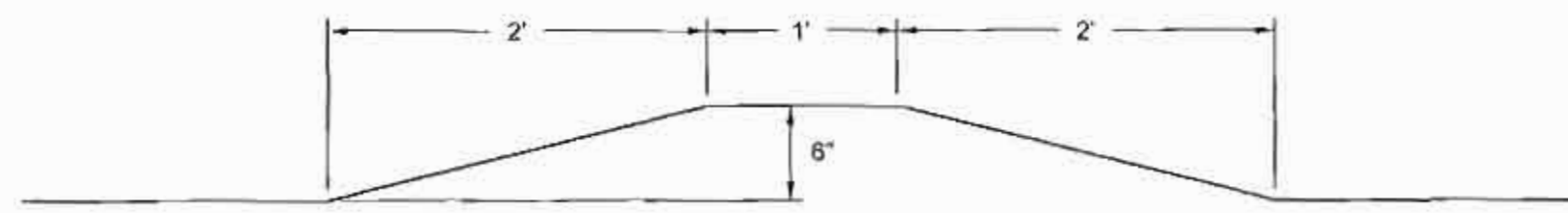
D		NOV 2009	ISSUED FOR DEEP APPROVAL	JUV	JDG
REV	DATE	DESCRIPTION		DRN	APP
Geosyntec consultants 14055 RIVEREDGE DRIVE, SUITE 300 TAMPA, FLORIDA 33637 USA PH: 813.558.0990 - FX: 813.558.9726 AUTHORIZATION NUMBER 4321					
WM WASTE MANAGEMENT 242 WEST KEENE ROAD APOPKA, FLORIDA 32703 PH: 407.896.2920					
TITLE: SITE DEVELOPMENT PLAN					
PROJECT: MATERIALS RECOVERY FACILITY					
SITE: VISTA LANDFILL, L.L.C., APOPKA, FLORIDA					
THIS DRAWING IS ISSUED FOR PERMITTING ONLY AND MAY NOT BE USED FOR CONSTRUCTION.		DESIGN BY: JDQ	DATE: 16 NOVEMBER 2009		
 16 NOV 2009 JUAN R. GOMEZ - LICENSE NO. 49375		DRAWN BY: JUV	PROJECT NO: FL1748		
		CHECKED BY: JDQ	FILE: FL1748 01P030		
		REVIEWED BY: CRB	DRAWING NO:		
		APPROVED BY: JDQ	3 OF 5		

PERMIT DRAWING

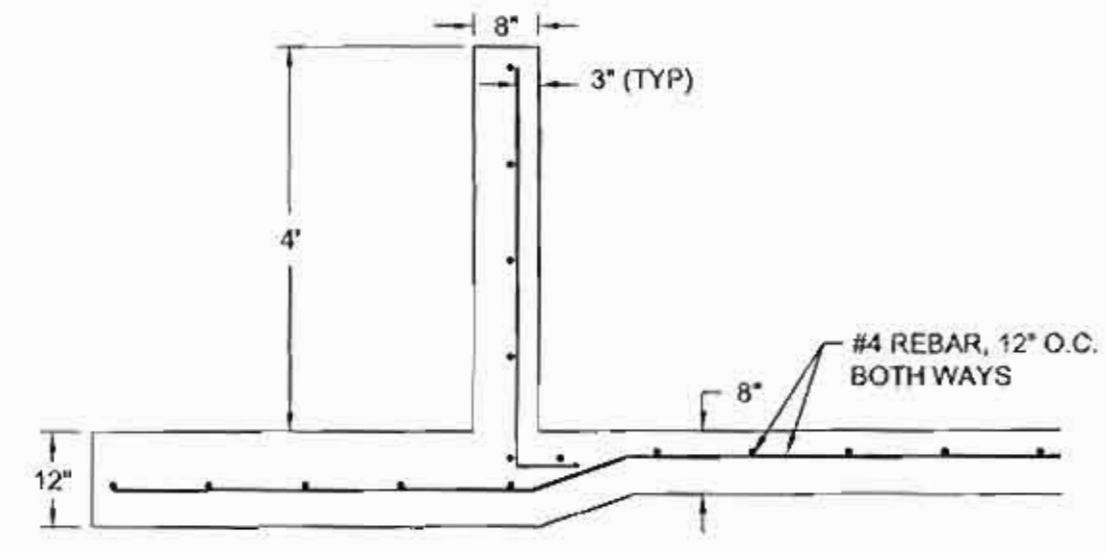


PERMIT DRAWING

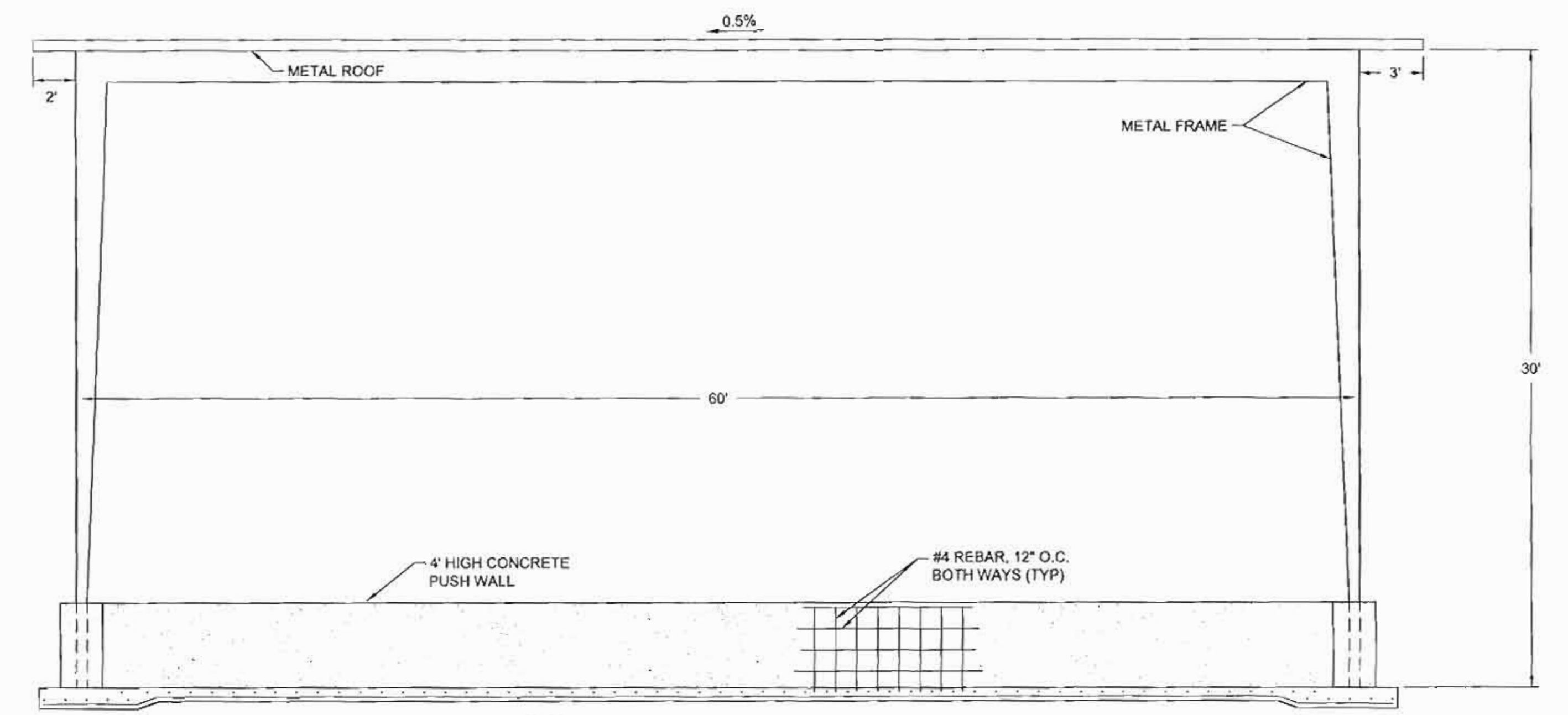
0		NOV 2009	ISSUED FOR FDEP APPROVAL	JJV	JDQ
REV	DATE	DESCRIPTION		DRN	APP
<div><div>Geosyntec consultants 14055 RIVEREDGE DRIVE, SUITE 300 TAMPA, FLORIDA 33637 USA PH: 813.558.0900 - FX: 813.558.9726 AUTHORIZATION NUMBER 4321</div><div>WM WASTE MANAGEMENT 242 WEST KEENE ROAD APOPKA, FLORIDA 32703 PH: 407.898.2929</div></div>					
TITLE: OPERATIONAL SITE LAYOUT					
PROJECT: MATERIALS RECOVERY FACILITY					
SITE: VISTA LANDFILL, L.L.C. APOPKA, FLORIDA					
THIS DRAWING IS ISSUED FOR PERMITTING ONLY AND MAY NOT BE USED FOR CONSTRUCTION		DESIGN BY: JDQ		DATE: 16 NOVEMBER 2009	
 16 Nov 2009 DATE JUAN D. QUIRÓS - LICENSE NO. 65275		DRAWN BY: JJV		PROJECT NO.: FL1748	
		CHECKED BY: JDQ		FILE: FL1748.01P040	
		REVIEWED BY: CRB		DRAWING NO.:	
		APPROVED BY: JDQ		4 OF 5	



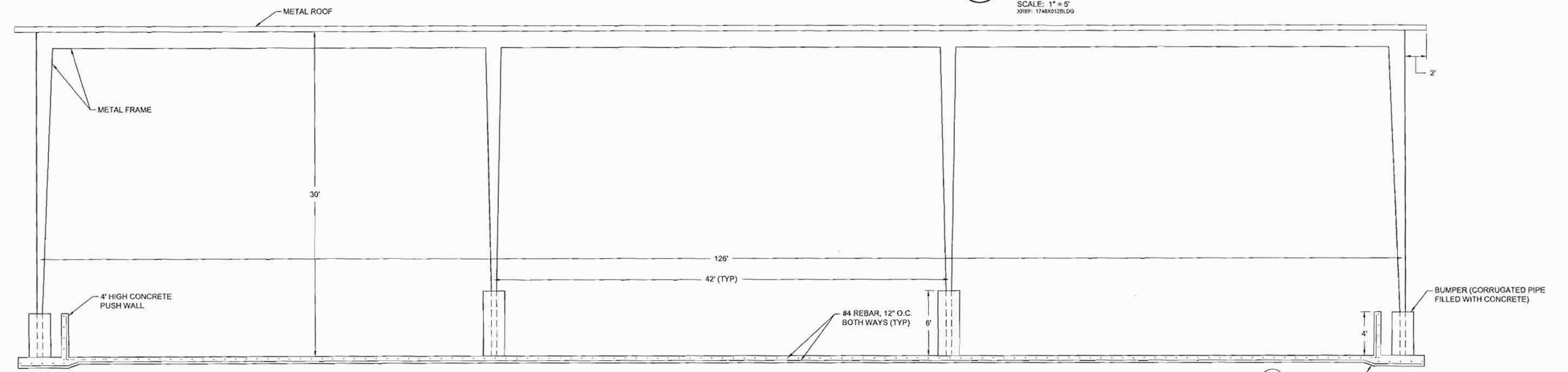
1
4 DETAIL
ROLL OVER CURB
SCALE: 1" = 1'
XREF: 1748X010RCURB



2
4 DETAIL
FLOOR SLAB AND PUSH WALL
SCALE: 1" = 2'
XREF: 1748X011BLDG SLAB WALL



A
4 SECTION
SIDE VIEW BUILDING
SCALE: 1" = 5'
XREF: 1748X012BLDG



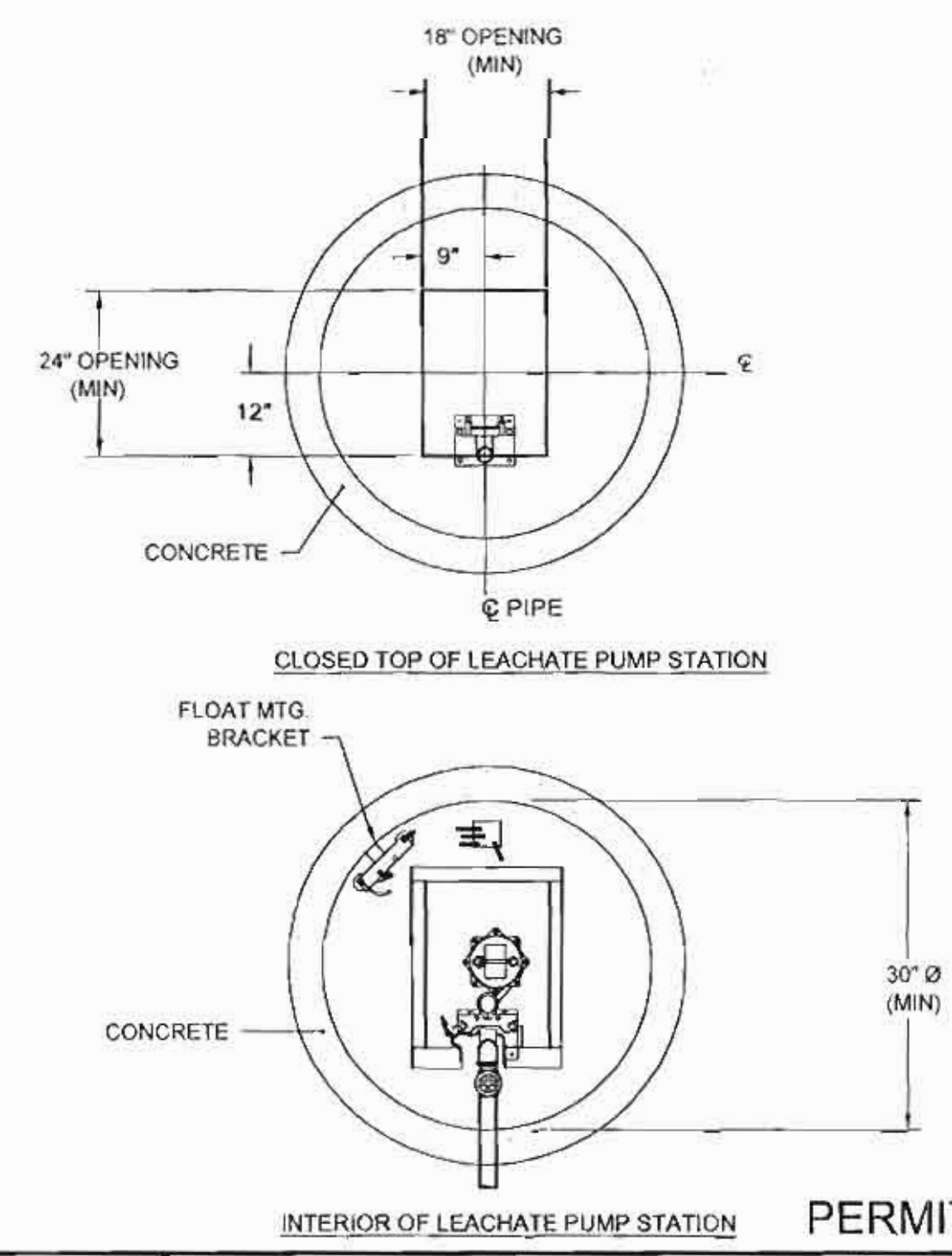
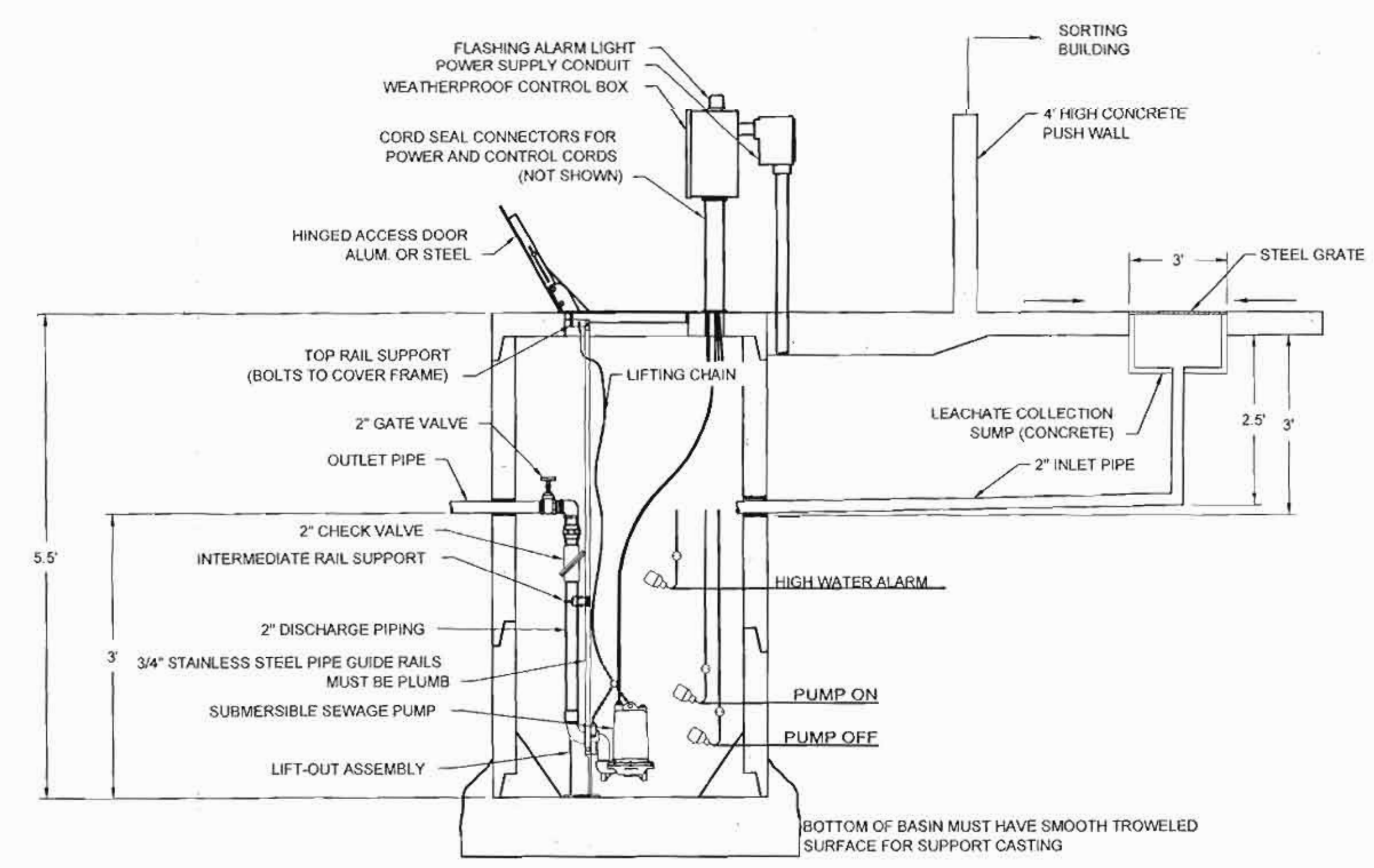
B
4 SECTION
FRONT VIEW BUILDING
SCALE: 1" = 5'
XREF: 1748X012BLDG

2
5 FLOOR SLAB AND PUSH WALL

NOTE:
1. THE STRUCTURAL DESIGN FOR THE SORTING BUILDING WILL BE PROVIDED BY OTHERS, AND WILL BE FINALIZED IN ACCORDANCE WITH CITY OF APOPKA, FLORIDA BUILDING CODE.

0	NOV 2009	ISSUED FOR FDEP APPROVAL	JJV	JDQ
REV	DATE	DESCRIPTION	DRN	APP
Geosyntec consultants		WASTE MANAGEMENT		
14055 RIVEREDGE DRIVE, SUITE 300 TAMPA, FLORIDA 33637 USA PH: 813.558.0900 - FX: 813.558.9726 AUTHORIZATION NUMBER 4321		242 WEST KEENE ROAD APOPKA, FLORIDA 32703 PH: 407.886.2920		
TITLE: DETAILS				
PROJECT: MATERIALS RECOVERY FACILITY				
SITE: VISTA LANDFILL, L.L.C. APOPKA, FLORIDA				
THIS DRAWING IS ISSUED FOR PERMITTING ONLY AND MAY NOT BE USED FOR CONSTRUCTION		DESIGN BY: JDQ DATE: 16 NOVEMBER 2009		
DRAWN BY: JJV PROJECT NO.: FL1748		CHECKED BY: JDQ FILE: FL1748.01P50		
REVIEWED BY: CRB DRAWING NO.: 5 OF 5		APPROVED BY: JDQ		

3
4 SECTION
LEACHATE PUMP STATION
SCALE: N.T.S.
XREF: 1748X013LCHPUMP



INTERIOR OF LEACHATE PUMP STATION PERMIT DRAWING

APPENDIX C

Proof of Property Ownership

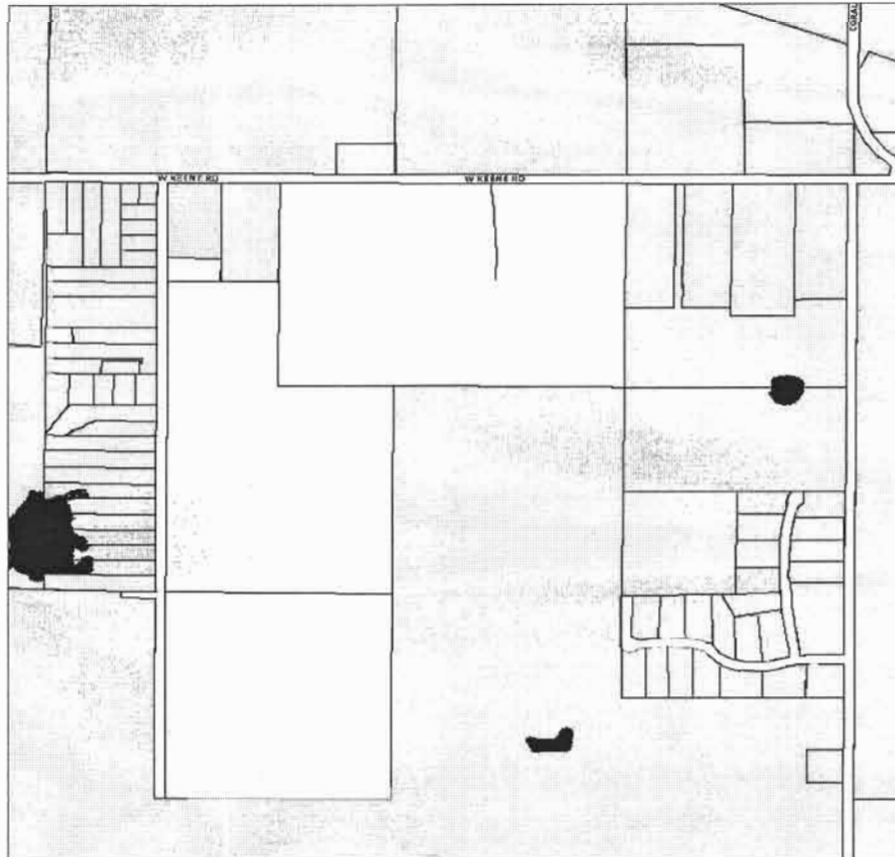


Vista Landfill a/k/a Buttrey Landfill
 235 W. Keene Road
 Apopka, FL 32703
 Orange County
 CRE-0928C & CRE-0928D
 BU-2486
 Site ID - 6654



Audit Created 05/16/2008

Map Parcel	CRE	Parcel Number	Owner	Acreage	Deed	Comments
A	CRE-0928D	28-21-28-0000-00-009	Vista Landfill, L.L.C., FL Ilc, t/k/a Buttrey Development Two LLC	60.57	6501/6286	
B	CRE-0928D	28-21-28-0000-00-027	Vista Landfill, L.L.C., FL Ilc, t/k/a Buttrey Development Two, L.L.C., S/M to Buttrey Development Three LLC	1.05	6841/2117	
C	CRE-0928D	28-21-28-0000-00-019	Vista Landfill, L.L.C., FL Ilc, t/k/a Buttrey Development Two, L.L.C., S/M to Buttrey Development Three LLC	49.88	6024/3121	
D	CRE-0928C	28-21-28-0000-00-014	Vista Landfill, L.L.C., S/M to Buttrey Development Four LLC	39.5	6926/2665	
E		28-21-28-0000-00-021	WS Financial Services, Inc.	3.42	9583/0129	
F		28-21-28-0000-00-030	BFI Medical Waste Inc.	5.14	5862/0480	
G		27-21-28-0000-00-082	Eva & Bennie Brown	5.5	4770/2812	
H		27-21-28-0000-00-080	Eva & Bennie Brown	15.87	4770/2812	
I		27-21-28-0000-00-004	Tomyn Mae TR	10.08	4704/3886	
J		28-21-28-0000-00-010	Orange County Northwest Water Reclamation Facility	1049.19	3744/0498	







January 3, 2007

FLORIDA DEPARTMENT OF STATE
Division of Corporations

VISTA LANDFILL, LLC
1001 FANNIN, SUITE 4000
HOUSTON, TX 77002

Re: Document Number L00000006204

The Articles of Amendment to the Articles of Organization for BUTTREY DEVELOPMENT TWO, LLC which changed its name to VISTA LANDFILL, LLC, a Florida limited liability company, was filed on January 2, 2007.

This document was electronically received and filed under FAX audit number H07000000395.

Should you have any questions regarding this matter, please telephone (850) 245-6051, the Registration Section.

Leslie Sellers
Document Specialist
Division of Corporations

Letter Number: 807A00000262

ARTICLES OF AMENDMENT
TO
ARTICLES OF ORGANIZATION
OF

Buttrey Development Two, LLC

(Present Name)
(A Florida Limited Liability Company)

FIRST: The Articles of Organization were filed on May 30, 2000 and assigned
document number L00000006204.

SECOND: This amendment is submitted to amend the following:

Article I Name: The name of the limited liability company is
Vista Landfill, LLC.

Dated December 20, 2006.

Linda J. Smith

Signature of a member or authorized representative of a member

Linda J. Smith, V.P. of Waste Management Inc. of Florida, the Sole Member

Typed or printed name of signer

Filing Fee: \$25.00

**ARTICLES OF ORGANIZATION
OF
BUTTREY DEVELOPMENT TWO, L.L.C**

The undersigned, desiring to form a limited liability company under and pursuant to Chapter 608, *Florida Statutes*, does hereby certify as follows:

**ARTICLE I
NAME**

The name of the limited liability company is BUTTREY DEVELOPMENT TWO, L.L.C .
(the "Company").

**ARTICLE II
ADDRESS**

The mailing address and street address of the principal office of the Company is 6239 Edgewater Drive, Suite D-1, Orlando, FL 32810.

**ARTICLE III
MANAGEMENT**

The Company will be a manager-managed company and the Managers need not be Members. The initial Managers of the Company will be John Buttrey. and Nancy Buttrey.

**ARTICLE IV
INITIAL REGISTERED OFFICE AND AGENT**

The street address of the initial registered office of the Company is 6239 Edgewater Drive, Suite D-1, Orlando, Florida 32810, and the name of the initial registered agent of the Company at that address is John Buttrey.

IN WITNESS WHEREOF, the undersigned have caused these Articles of Organization to be executed this 25 Day of May, 2000.



John Buttrey, a Manager



December 26, 2006

FLORIDA DEPARTMENT OF STATE
Division of Corporations

BUTTREY DEVELOPMENT TWO, LLC
1001 FANNIN, SUITE 4000
HOUSTON, TX 77002

Re: Document Number L00000006204

The Articles of Merger for BUTTREY DEVELOPMENT TWO, LLC, the surviving Florida entity, were filed on December 22, 2006.

This document was electronically received and filed under FAX audit number H06000300183.

Should you have any questions regarding this matter, please feel free to telephone (850) 245-6050, the Amendment Filing Section.

Agnes Lunt
Document Specialist
Division of Corporations

Letter Number: 206A00072462

**Certificate of Merger
For
Florida Limited Liability Company**

The following Certificate of Merger is submitted to merge the following Florida Limited Liability Company(ies) in accordance with s. 608.4382, Florida Statutes.

FIRST: The exact name, form/entity type, and jurisdiction for each merging party are as follows:

<u>Name</u>	<u>Jurisdiction</u>	<u>Form/Entity Type</u>
Buttrey Development Three, LLC	Florida	Limited Liability Company

SECOND: The exact name, form/entity type, and jurisdiction of the surviving party are as follows:

<u>Name</u>	<u>Jurisdiction</u>	<u>Form/Entity Type</u>
Buttrey Development Two, LLC	Florida	Limited Liability Company

THIRD: The attached plan of merger was approved by each domestic corporation, limited liability company, partnership and/or limited partnership that is a party to the merger in accordance with the applicable provisions of Chapters 607, 608, 617, and/or 620, Florida Statutes.

FOURTH: The attached plan of merger was approved by each other business entity that is a party to the merger in accordance with the applicable laws of the state, country or jurisdiction under which such other business entity is formed, organized or incorporated.

FIFTH: If other than the date of filing, the effective date of the merger, which cannot be prior to nor more than 90 days after the date this document is filed by the Florida Department of State:

December 31, 2006

SIXTH: If the surviving party is not formed, organized or incorporated under the laws of Florida, the survivor's principal office address in its home state, country or jurisdiction is as follows:

SEVENTH: If the survivor is not formed, organized or incorporated under the laws of Florida, the survivor agrees to pay to any members with appraisal rights the amount, to which such members are entitled under ss.608.4351-608.43595, F.S.

EIGHTH: If the surviving party is an out-of-state entity not qualified to transact business in this state, the surviving entity:

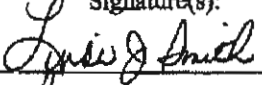
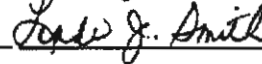
a.) Lists the following street and mailing address of an office, which the Florida Department of State may use for the purposes of s. 48.181, F.S., are as follows:

Street address: _____

Mailing address: _____

b.) Appoints the Florida Secretary of State as its agent for service of process in a proceeding to enforce obligations of each limited liability company that merged into such entity, including any appraisal rights of its members under ss.608.4351-608.43595, Florida Statutes.

NINTH: Signature(s) for Each Party:

Name of Entity/Organization:	Signature(s):	Typed or Printed Name of Individual:
Buttre Development Three, LLC		Linda J. Smith
Buttre Development Two, LLC		Linda J. Smith

Corporations:	Chairman, Vice Chairman, President or Officer (If no directors selected, signature of incorporator.)
General partnerships:	Signature of a general partner or authorized person
Florida Limited Partnerships:	Signatures of all general partners
Non-Florida Limited Partnerships:	Signature of a general partner
Limited Liability Companies:	Signature of a member or authorized representative

<u>Fees:</u>	
For each Limited Liability Company:	\$25.00
For each Corporation:	\$35.00
For each Limited Partnership:	\$52.50
For each General Partnership:	\$25.00
For each Other Business Entity:	\$25.00

<u>Certified Copy (optional):</u>	\$30.00
--	---------

PLAN OF MERGER

FIRST: The exact name, form/entity type, and jurisdiction for each merging party are as follows:

<u>Name</u>	<u>Jurisdiction</u>	<u>Form/Entity Type</u>
Buttrey Development Three, LLC	Florida	Limited Liability Company

SECOND: The exact name, form/entity type, and jurisdiction of the surviving party are as follows:

<u>Name</u>	<u>Jurisdiction</u>	<u>Form/Entity Type</u>
Buttrey Development Two, LLC	Florida	Limited Liability Company

THIRD: The terms and conditions of the merger are as follows:

The parties shall be merged into a single limited liability company by the merging party merging with and into the surviving party, which surviving party shall survive the merger pursuant to, and shall be deemed to continue to exist under and be governed by, the provisions of the laws of the State of Florida, and whose name, upon and after the effectiveness of the merger, shall be Buttrey Development Two, LLC. Upon such merger, the separate corporate existence of the merging party shall cease and terminate, and the surviving party shall become the owner, without other transfer, of all the rights, franchises and properties, of every type and nature, of the merging party, and shall become subject to all the debts and liabilities of the merging party to the extent such parties were subject to such debts and liabilities.

(Attach additional sheet if necessary)

FOURTH:

A. The manner and basis of converting the interests, shares, obligations or other securities of each merged party into the interests, shares, obligations or others securities of the survivor, in whole or in part, into cash or other property is as follows:

The units of the merging party that are issued and outstanding on the effective date of the merger,

shall together and in the aggregate be automatically cancelled.

The units of the surviving party that are issued and outstanding on the effective date of the merger, shall

remain outstanding as units of the surviving party, which units of the surviving party shall continue to be issued, outstanding, fully paid and non-assessable.

(Attach additional sheet if necessary)

B. The manner and basis of converting rights to acquire the interests, shares, obligations or other securities of each merged party into rights to acquire the interests, shares, obligations or others securities of the survivor, in whole or in part, into cash or other property is as follows:

(Attach additional sheet if necessary)

FIFTH: Any statements that are required by the laws under which each other business entity is formed, organized, or incorporated are as follows:

(Attach additional sheet if necessary)

SIXTH: Other provisions, if any, relating to the merger are as follows:

(Attach additional sheet if necessary)



January 18, 2007

FLORIDA DEPARTMENT OF STATE
Division of Corporations

VISTA LANDFILL, LLC
1001 FANNIN, SUITE 4000
HOUSTON, TX 77002

Re: Document Number L00000006204

The Articles of Merger for VISTA LANDFILL, LLC, the surviving Florida entity, were filed on January 17, 2007.

This document was electronically received and filed under FAX audit number H07000014407.

Should you have any questions regarding this matter, please feel free to telephone (850) 245-6050, the Amendment Filing Section.

Marsha Thomas
Document Specialist
Division of Corporations

Letter Number: 007A00004069

**Certificate of Merger
For
Florida Limited Liability Company**

The following Certificate of Merger is submitted to merge the following Florida Limited Liability Company(ies) in accordance with s. 608.4382, Florida Statutes.

FIRST: The exact name, form/entity type, and jurisdiction for each merging party are as follows:

<u>Name</u>	<u>Jurisdiction</u>	<u>Form/Entity Type</u>
Buttre Development Four, LLC	Florida	Limited Liability Company

SECOND: The exact name, form/entity type, and jurisdiction of the surviving party are as follows:

<u>Name</u>	<u>Jurisdiction</u>	<u>Form/Entity Type</u>
Vista Landfill, LLC	Florida	Limited Liability Company

THIRD: The attached plan of merger was approved by each domestic corporation, limited liability company, partnership and/or limited partnership that is a party to the merger in accordance with the applicable provisions of Chapters 607, 608, 617, and/or 620, Florida Statutes.

FOURTH: The attached plan of merger was approved by each other business entity that is a party to the merger in accordance with the applicable laws of the state, country or jurisdiction under which such other business entity is formed, organized or incorporated.

FIFTH: If other than the date of filing, the effective date of the merger, which cannot be prior to nor more than 90 days after the date this document is filed by the Florida Department of State:

SIXTH: If the surviving party is not formed, organized or incorporated under the laws of Florida, the survivor's principal office address in its home state, country or jurisdiction is as follows:

SEVENTH: If the survivor is not formed, organized or incorporated under the laws of Florida, the survivor agrees to pay to any members with appraisal rights the amount, to which such members are entitled under ss.608.4351-608.43595, F.S.

EIGHTH: If the surviving party is an out-of-state entity not qualified to transact business in this state, the surviving entity:

a.) Lists the following street and mailing address of an office, which the Florida Department of State may use for the purposes of s. 48.181, F.S., are as follows:

Street address: _____

Mailing address: _____

b.) Appoints the Florida Secretary of State as its agent for service of process in a proceeding to enforce obligations of each limited liability company that merged into such entity, including any appraisal rights of its members under ss.608.4351-608.43595, Florida Statutes.

NINTH: Signature(s) for Each Party:

Name of Entity/Organization:	Signature(s):	Typed or Printed Name of Individual:
Buttrey Development Four, LLC	<i>Linda J. Smith</i>	Linda J. Smith
Vista Landfill, LLC	<i>Linda J. Smith</i>	Linda J. Smith

Corporations:	Chairman, Vice Chairman, President or Officer (If no directors selected, signature of incorporator.)
General partnerships:	Signature of a general partner or authorized person
Florida Limited Partnerships:	Signatures of all general partners
Non-Florida Limited Partnerships:	Signature of a general partner
Limited Liability Companies:	Signature of a member or authorized representative

<u>Fees:</u>	For each Limited Liability Company:	\$25.00
	For each Corporation:	\$35.00
	For each Limited Partnership:	\$52.50
	For each General Partnership:	\$25.00
	For each Other Business Entity:	\$25.00

<u>Certified Copy (optional):</u>	\$30.00
--	---------

PLAN OF MERGER

FIRST: The exact name, form/entity type, and jurisdiction for each merging party are as follows:

<u>Name</u>	<u>Jurisdiction</u>	<u>Form/Entity Type</u>
Buttrey Development Four, LLC	Florida	Limited Liability Company

SECOND: The exact name, form/entity type, and jurisdiction of the surviving party are as follows:

<u>Name</u>	<u>Jurisdiction</u>	<u>Form/Entity Type</u>
Vista Landfill, LLC	Florida	Limited Liability Company

THIRD: The terms and conditions of the merger are as follows:

The parties shall be merged into a single limited liability company by the merging party merging with and into the surviving party, which surviving party shall survive the merger pursuant to, and shall be deemed to continue to exist under and be governed by, the provisions of the laws of the State of Florida, and whose name, upon and after the effectiveness of the merger, shall be Vista Landfill, LLC. Upon such merger, the separate corporate existence of the merging party shall cease and terminate, and the surviving party shall become the owner, without other transfer, of all the rights, franchises and properties, of every type and nature, of the merging party, and shall become subject to all the debts and liabilities of the merging party to the extent such parties were subject to such debts and liabilities.

(Attach additional sheet if necessary)

FOURTH:

A. The manner and basis of converting the interests, shares, obligations or other securities of each merged party into the interests, shares, obligations or others securities of the survivor, in whole or in part, into cash or other property is as follows:

The units of the merging party that are issued and outstanding on the effective date of the merger, shall
together and in the aggregate be automatically cancelled.

The units of the surviving party that are issued and outstanding on the effective date of the merger, shall
remain outstanding as units of the surviving party, which units of the surviving party shall continue to be
issued, outstanding, fully paid and non-assessable.

(Attach additional sheet if necessary)

B. The manner and basis of converting rights to acquire the interests, shares, obligations or other securities of each merged party into rights to acquire the interests, shares, obligations or others securities of the survivor, in whole or in part, into cash or other property is as follows:

(Attach additional sheet if necessary)

FIFTH: Any statements that are required by the laws under which each other business entity is formed, organized, or incorporated are as follows:

(Attach additional sheet if necessary)

SIXTH: Other provisions, if any, relating to the merger are as follows:

(Attach additional sheet if necessary)

Prepared by and return to:
Terrence R. Holihen, Esquire
Akerman, Senterfitt & Eidson, P.A.
255 So. Orange Avenue, 17th Floor
Orlando, Florida 32801
Telephone: (407)843-7860



Grantee's Tax ID No: 59-3652174
Parcel ID No: 28-21-28-0000-00009
28-21-28-0000-00016

WARRANTY DEED

THIS WARRANTY DEED dated as of April 10, 2002, by **BUTTREY DEVELOPMENT, LLC**, a Florida limited liability company, and having an address of 6239 Edgewater Dr. Suite D-1, Orlando, Florida 32810, hereinafter called the Grantor, to **BUTTREY DEVELOPMENT TWO, LLC**, a Florida limited liability company, having an address of 6239 Edgewater Dr. Suite D-1, Orlando, Florida 32810, hereinafter called the Grantee.

WITNESSETH: That the Grantor, for and in consideration of the sum of Ten Dollars (\$10.00) and other valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, by these presents does grant, bargain, sell, alien, remise, release, convey and confirm unto the Grantee, all that certain real property situate in Orange County, Florida, more particularly described as:

The Northeast 1/4 of the Northeast 1/4 and the East 1/2 of the Northwest 1/4 of the Northeast 1/4; less and except the road right-of-way on North for West Keene Road of Section 28, Township 21 South, Range 28 East, Orange County, Florida.

TOGETHER with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.



OR Bk 6501 Pg 6287
 Orange Co FL 2002-0179768
 Recorded - Martha O. Haynie

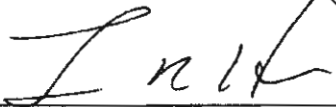
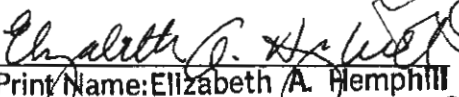
TO HAVE AND TO HOLD, the same in fee simple forever.

AND the Grantor hereby covenants with the grantee that it is lawfully seized of the real property in fee simple; that it has good right and lawful authority to sell and convey the real property; that it hereby fully warrants the title to the real property and will defend the same against the lawful claims of all persons whomsoever; and that the real property is free of all encumbrances, except taxes accruing subsequent to December 31, 2001, and those matters recorded in the Public Records of Orange County, but reference herein shall not serve to reimpose same.


This Deed is being executed and delivered without he benefit of a title report/search.

IN WITNESS WHEREOF the Grantor has caused this Deed to be executed as of the date first above set forth.

Witnesses:


 Print Name: Terrence W. Holihen

 Print Name: Elizabeth A. Hemphill

BUTTREY DEVELOPMENT, LLC, a
 Florida limited liability company


By: 
 Name: John Buttrey
 Title: Managing Member
 Date: _____

STATE OF FLORIDA

COUNTY OF ORANGE

The foregoing instrument was acknowledged before me this 10th day of April, 2002, by John Buttrey, as Managing Member of Buttrey Development, LLC, a Florida limited liability company, on behalf of the corporation. Said person (check one) ☒ is personally known to me or ☐ produced _____ as identification.




 Print Name: Elizabeth A. Hemphill
 Notary Public, State of Florida
 Commission No.: 3-3-06
 My Commission Expires: DD096849

This instrument was prepared by
and should be returned to:
J. Lindsay Builder, Jr., Esq.
Graham, Clark, Jones, Builder, Pratt & Marks
369 N. New York Avenue, Winter Park, Florida 32789
P.O. Drawer 1690, Winter Park, FL 32790-1690



WARRANTY DEED

THIS WARRANTY DEED is made this 14th day of June, 2000, by **DEBORA OLIVER ALEXANDER (formerly DEBORA OLIVER)** joined by her husband, **DAVID ALLEN ALEXANDER**, whose address is 2826 Osprey Creek Lane, Orlando, Florida 32825 (hereinafter called the "Grantors"), to **BUTTREY DEVELOPMENT THREE, LLC**, a Florida limited liability company, whose address is 6239 Edgewater Drive, Suite D-1, Orlando, Florida 32810 (hereinafter called the "Grantee").

WITNESSETH:

The Grantors, for and in consideration of the sum of Ten and No/100 Dollars (\$10.00) and other valuable considerations, receipt whereof is hereby acknowledged, by these presents grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the Grantees, all that certain land situate in Orange County, Florida, to-wit:

The North 1/2 of the Southwest 1/4 of the Northwest 1/4 of the Northeast 1/4 of Section 28, Township 21 South, Range 28 East, Orange County, Florida. LESS the West 30 feet for Road Right of Way.

Tax Parcel No. 28-21-28-0000-00019

TOGETHER with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining.

TO HAVE AND TO HOLD, the same in fee simple forever.

AND the Grantors hereby covenant with the Grantee that the Grantors are lawfully seized of the Property in fee simple; that they have good right and lawful authority to sell and convey the Property; that they hereby fully warrant the title to the Property and will defend the same against the lawful claims of all persons whomsoever; and that the Property is free of all encumbrances except

real property taxes accruing subsequent to December 31, 1999, and easements and restrictions of record, if any; however, this reference shall not serve to reimpose same.

IN WITNESS WHEREOF, the Grantors have executed this Warranty Deed the day and year first above written.

Signed, sealed and delivered
in the presence of:

Vanda D. Mitchell

Signature of witness

Print name: Vanda D. Mitchell

Debra Paul

Signature of witness

Print name: J. L. DORR

Debora Oliver Alexander

DEBORA OLIVER ALEXANDER

(formerly DEBORA OLIVER)

David Allen Alexander

DAVID ALLEN ALEXANDER

OR Bk 6024 Pg 3122
Orange Co FL 2000-0248307

STATE OF FLORIDA
COUNTY OF ORANGE

Recorded - Martha O. Haynie

The foregoing instrument was acknowledged before me this 14th day of June, 2000, by **DEBORA OLIVER ALEXANDER (formerly DEBORA OLIVER)** joined by her husband, **DAVID ALLEN ALEXANDER**. They are personally known to me or have produced Florida Driver's Licenses as identification.

Vanda D. Mitchell

Notary Public

Print name: Vanda D. Mitchell

My Commission Expires:



Vanda D. Mitchell
MY COMMISSION # CC912143 EXPIRES
March 10, 2004
BONDED THRU TROY FAIR INSURANCE, INC.

WARRANTY DEED

Record and Return to:

Name: **Tranco Title, Inc.**
 Address: 849 Vassar Street, Orlando, Florida 32804
 File Number: **ORG-793**

This instrument Prepared by:
 Attn: **Michael J. Beasley**
 Name: **Tranco Title, Inc.**
 Address: 849 Vassar Street, Orlando, Florida 32804

Property Appraisers Parcel Identification
 Folio Number(s): **28-21-28-0000-00021**

INSTR 20030168606**OR BK 06841 PG 2117**

MARTHA O. HAYNIE, COMPTROLLER
 ORANGE COUNTY, FL
 03/26/2003 07:18:02 AM
 DEED DOC TAX 53.20
 REC FEE 6.00
 LAST PAGE

SPACE ABOVE THIS LINE FOR PROCESSING DATA

SPACE ABOVE THIS LINE FOR RECORDING DATA

This Warranty Deed, Made and executed the 21st day of March, 2003, by John Allen Brown, a married person, whose post office address is 2521 McQueen Rd., Apopka, Florida 32703, hereinafter called the Grantor, to Buttrey Development Three, LLC., a Florida limited liability company, whose post office address is 6239 Edgewater Drive, Suite D-1, Orlando, Florida 32810, hereinafter called the Grantee.

(Wherever used herein the terms "Grantor" and "Grantee" include all the parties to this instrument and the heirs, legal representatives, and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires)

Witnesseth, That the Grantor, for and in consideration of the sum of \$10.00 (Ten and 00/100 Dollars) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the Grantee, all that certain land, situate in Orange County, State of Florida, viz:

Commence at the North 1/4 corner of Section 28, Township 21 South, Range, 28 East, Orange County, Florida; thence S00 degrees 18' 11" W, along the West line of the Northeast 1/4 of said Section 28, a distance of 688.00 feet to the South line of the West half of the Northwest 1/4 of the Northeast 1/4 of the Northeast 1/4 of said Section 28; thence S89 degrees 40' 19" E, along said South line of the West half, a distance of 30.00 feet to the East right-of-way line of McQueen Road and the Point of Beginning; thence N00 degrees 18' 11" E along said East right-of-way line, a distance of 150.00 feet; thence S89 degrees 40' 19" E, a distance of 305.02 feet to the East line of said West half; thence S00 degrees 21' 41" W, along said East line of the West half, a distance of 150.00 feet to said South line of the West half; thence N89 degrees 40' 19" W, along said South line of the West half, a distance of 304.87 feet to the Point of Beginning.

Together, with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining. **To Have and to Hold**, the same in fee simple forever.

And the Grantor hereby covenants with said Grantee that the Grantor is lawfully seized of said land in fee simple; that the Grantor has good right and lawful authority to sell and convey said land; and hereby warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2003.

In Witness Whereof, the said Grantor has signed and sealed these presents the day and year first above written.

Signed, sealed and delivered in the presence of:

Michael J. Beasley
 Witness Signature **Michael J. Beasley**

End Al
 Witness Signature **End Al**

Witness Signature

Witness Signature

STATE OF FLORIDA)
 COUNTY OF ORANGE)

This foregoing instrument was acknowledged before me this 21st day of March, 2003, by John Allen Brown, a married person. (Check one:) ☐ Said person(s) is/are personally known to me. ☒ Said person(s) provided the following type of identification: FL. DRIVER LICENSE

NOTARY RUBBER STAMP SEAL



Michael J. Beasley
 My Commission DD006750
 Expires March 15, 2005

Notary Signature

Print Name **Michael J. Beasley**

WARRANTY DEED

Record and Return to:

Name: **Tranco Title, Inc.**
Address: **849 Vassar Street, Orlando, Florida 32804**
File Number: **ORG-801**

This Instrument Prepared by:
Att.: **Michael J. Beasley**
Name: **Tranco Title, Inc.**
Address: **849 Vassar Street, Orlando, Florida 32804**

Property Appraiser Parcel Identification
Folio Number(s): **28-21-28-0000-00014**

INSTR 20030289197

OR BK 06926 PG 2665

MARTHA O. HAYNIE, COMPTROLLER

ORANGE COUNTY, FL

05/27/2003 12:19:16 PM

DEED DOC TAX 5,600.00

REC FEE 6.00

LAST PAGE

SPACE ABOVE THIS LINE FOR PROCESSING DATA

SPACE ABOVE THIS LINE FOR RECORDING DATA

This Warranty Deed, Made and executed the 22nd day of May, 2003, by **Harry Cohen, Individually and as Trustee under the Harry Cohen Trust dated November 10, 1997**, whose post office address is **4250 Marine Drive, Apt. 2921, Chicago, Illinois 60613**, hereinafter called the **Grantor**, to **Buttrey Development Four, LLC, a Florida Limited Liability Corporation**, whose post office address is **6239 Edgewater Drive, Suite D-1, Orlando, Florida 32810**, hereinafter called the **Grantee**.

(Wherever used herein the terms "Grantor" and "Grantee" include all the parties to this instrument and the heirs, legal representatives, and assigns of individuals, and the successors and assigns of corporations, wherever the context so admits or requires)

Witnesseth, That the Grantor, for and in consideration of the sum of \$10.00 (Ten and 00/100 Dollars) and other valuable considerations, receipt whereof is hereby acknowledged, hereby grants, bargains, sells, aliens, remises, releases, conveys and confirms unto the Grantee, all that certain land, situate in **Orange County, State of Florida**, viz:

The Northwest 1/4 of the Southeast 1/4 of Section 28, Township 21 South, Range 28 East, Orange County, Florida.

Together, with all the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining. **To Have and to Hold**, the same in fee simple forever.

And the Grantor hereby covenants with said Grantee that the Grantor is lawfully seized of said land in fee simple; that the Grantor has good right and lawful authority to sell and convey said land; and hereby warrants the title to said land and will defend the same against the lawful claims of all persons whomsoever; and that said land is free of all encumbrances, except taxes accruing subsequent to December 31, 2003.

In Witness Whereof, the said Grantor has signed and sealed these presents the day and year first above written.

The Harry Cohen Trust dated November 10, 1997

Signed, sealed and delivered in the presence of:

Witness Signature

Witness Signature

Witness Signature

Witness Signature

Signature

Harry Cohen, as Trustee

Printed Name

Signature

Printed Name

STATE OF IL
COUNTY OF COOK

This foregoing instrument was acknowledged before me this 22nd day of May, 2003, by **Harry Cohen, Individually and as Trustee under the Harry Cohen Trust dated November 10, 1997**. (Check one: ☐ Said person(s) is/are personally known to me. ☒ Said person(s) provided the following type of identification: _____

NOTARY RUBBER STAMP SEAL



Notary Signature

Print Name

Coleen F. Danaher

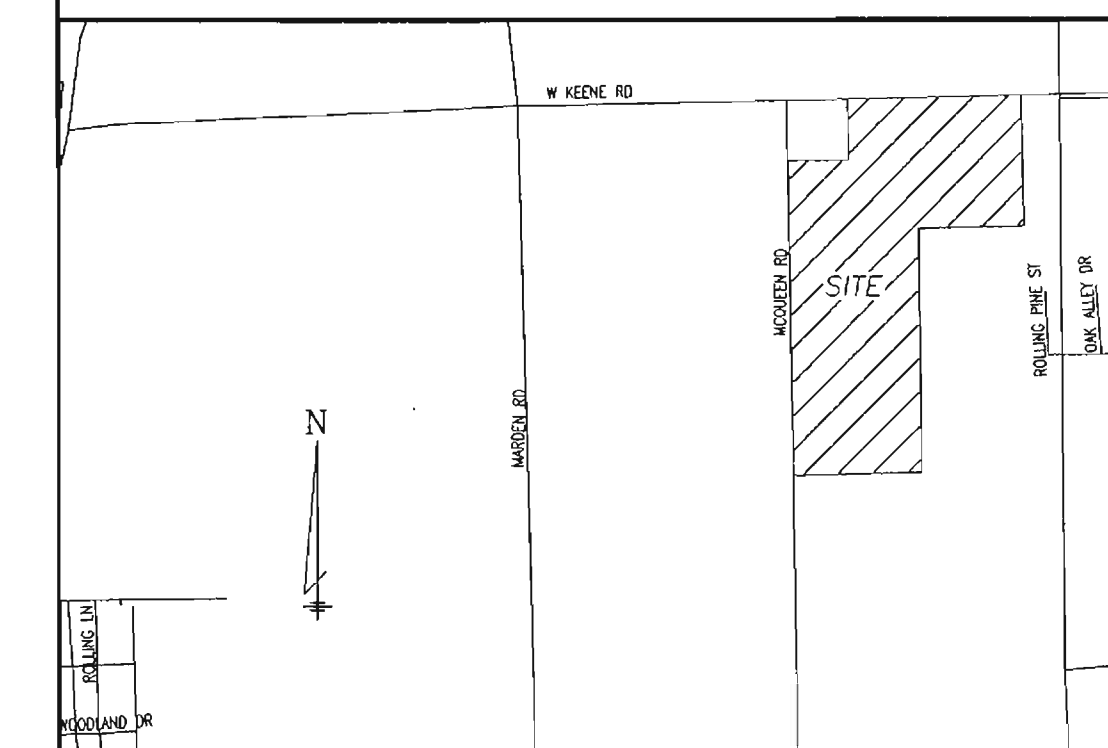
APPENDIX D

Boundary Survey, Legal Description

and

Topographic Survey

VICINITY MAP N.T.S.



NOTES:

THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER AND THE EAST HALF OF THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 28, TOWNSHIP 21 SOUTH, RANGE 28 EAST, ORANGE COUNTY, FLORIDA. LESS AND EXCEPT THE NORTH 30 FEET FOR ROAD RIGHT OF WAY FOR W. KEENE ROAD.

AND:

THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 28, TOWNSHIP 21 SOUTH, RANGE 28 EAST, ORANGE COUNTY, FLORIDA. (LESS THE WEST 30 FEET FOR ROAD)

AND:

THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4 AND THE SOUTHWEST 1/4
OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 28,
TOWNSHIP 21 SOUTH, RANGE 28 EAST, ORANGE COUNTY, FLORIDA,

LESS THE WEST 30 FEET FOR ROAD RIGHT OF WAY.

CONTAINS 6,552,541 SQUARE FEET OR 150.4256 ACRES MORE OR LESS.

1. BEARING STRUCTURE BASED ON EAST LINE OF THE SOUTHEAST
1/4 OF SECTION 28-21-28 BEING: S00°12'52"W.

2. THIS SURVEY REFLECTS ONLY MATTERS OF RECORD AS PROVIDED BY THE CLIENT OR CLIENTS REPRESENTATIVE.

3. THIS SURVEY WAS MADE ON THE GROUND. THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE, THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

4. THIS SURVEY REPRESENTS COMBINING THREE DIFFERENT SURVEYS MADE BY ACCURIGHT SURVEYS BETWEEN THE DATES OF DEC. 17, 1998 AND JUNE 16, 2003.

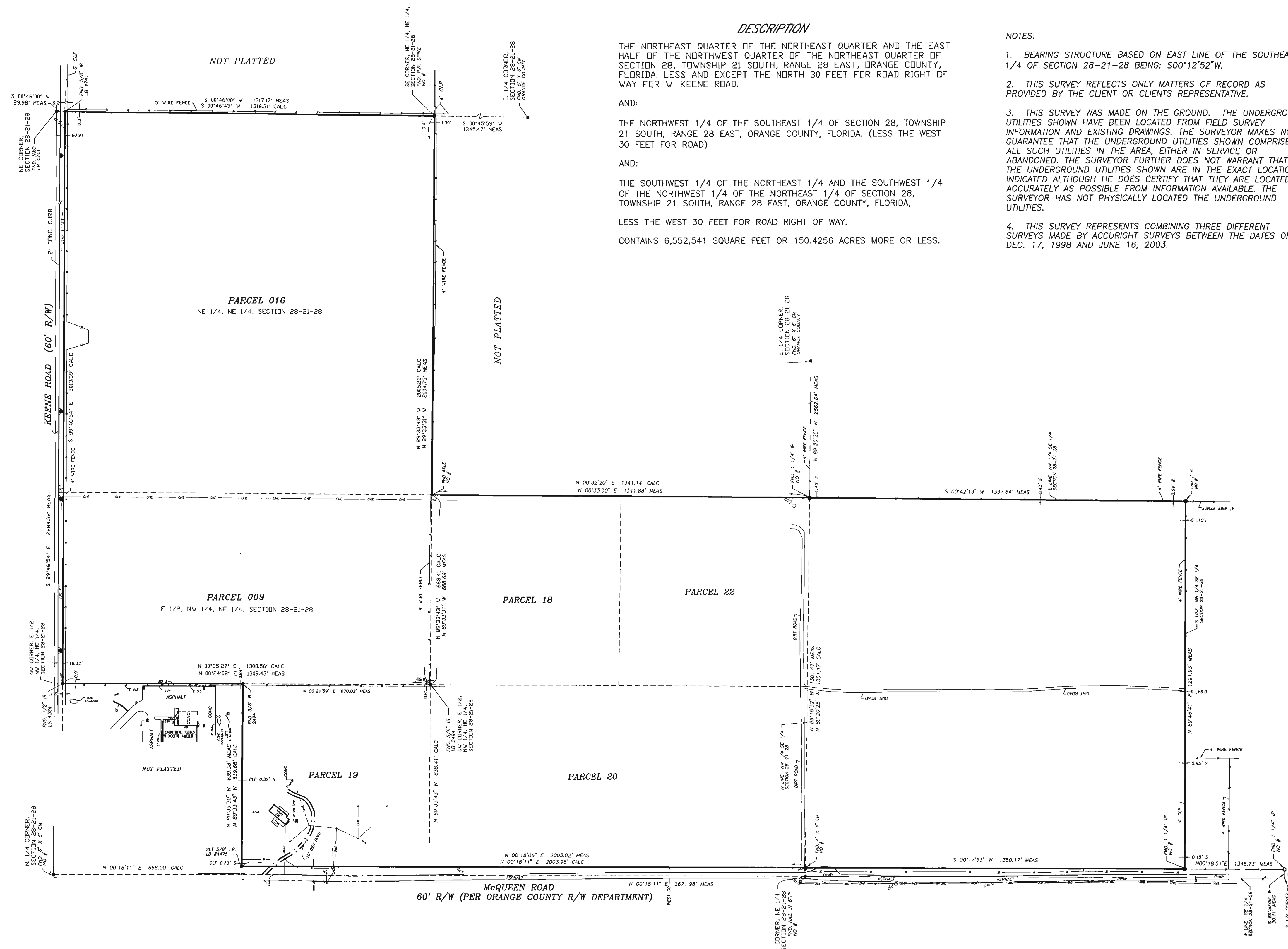
LEGEND

- AIR RELEASE VALVE
- AUTO SPRINKLER
- BOTTOM OF BANK
- BACK OF CURB
- BACKFLOW PREVENTER
- BLOCK
- BACK FLOW PREVENTER
- BENCHMARK
- BOLLARD
- BURIED POWER CABLE
- CALCULATED
- CALCULATED & MEASURED
- CENTRAL ANGLE
- CONCRETE BLOCK WALL
- COVERED CONCRETE
- CONCRETE FLUME
- CONCRETE HEAD WALL
- CHAIN LINK FENCE
- CENTERLINE
- CONCRETE MONUMENT
- CORRUGATED METAL PIPE
- CLEAN OUT
- CONCRETE
- COVERED
- CONCRETE PAD
- CONCRETE WALKWAY
- DEED/DESC & MEASURED
- DRAINAGE EASEMENT
- DESCRIPTION

[illegible]

GRAPHIC SCALE

0' 100' 200' 400' 600'

$$1'' = 200'$$


ACCURIGHT SURVEYS
of Orlando Inc., LB 4475
2012 E. Robinson St.
Orlando, Florida 32803
PHONE FAX
(407) 894-6314 (407) 897-3777

THIS SURVEY MEETS THE "MINIMUM TECHNICAL STANDARDS" AS REQUIRED BY CHAPTER 61G17-6, FLORIDA BOARD OF LAND SURVEYORS, PURSUANT TO SECTION 472.027 OF THE FLORIDA STATUTES.

Robert C. Johnson
ROBERT C. JOHNSON PSM 5551
"NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED
SEAL OF THIS FLORIDA LICENSED SURVEYOR AND MAPPER."

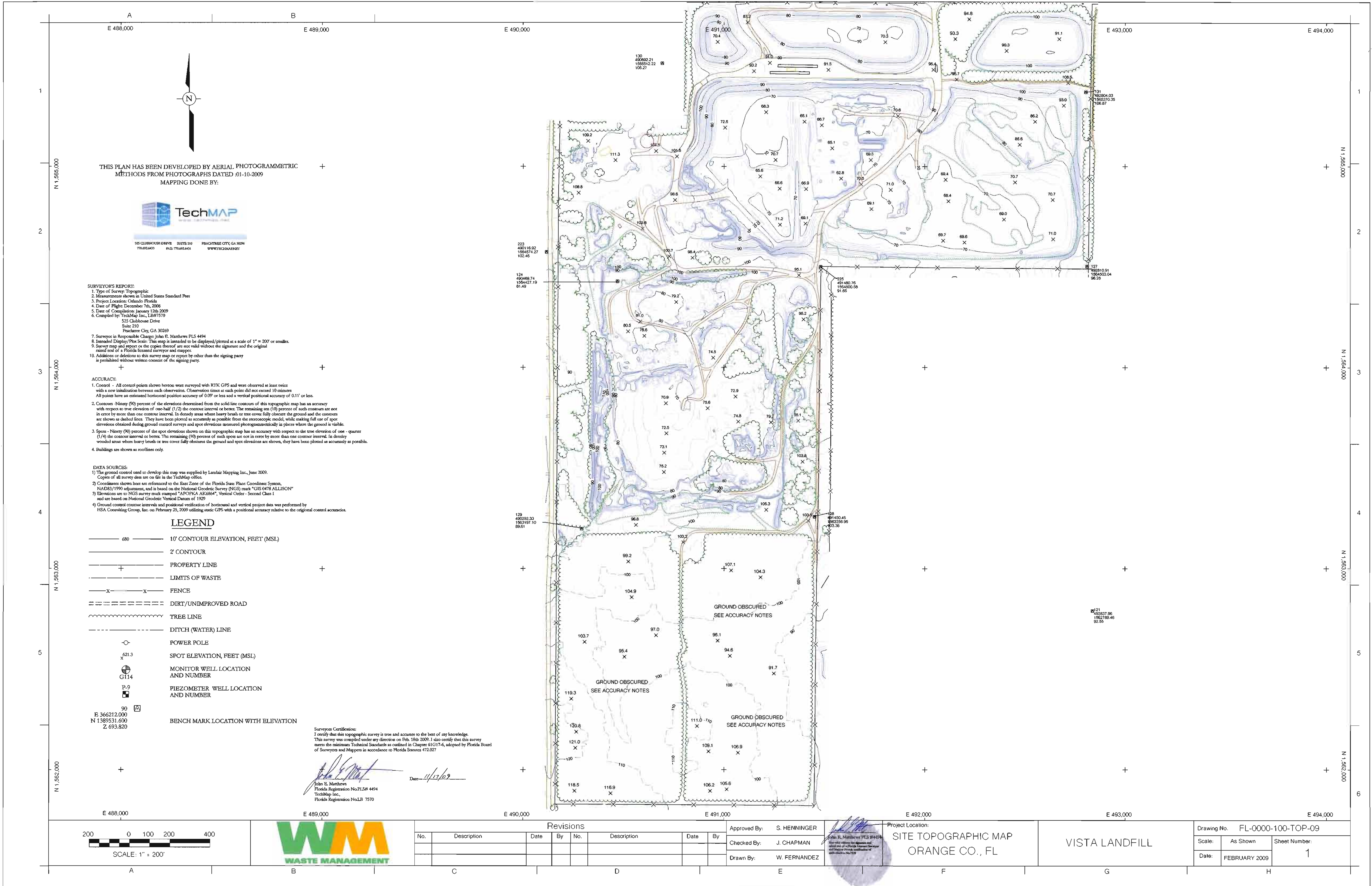
BOUNDARY SURVEY

SCALE: 1" = 200'	CF: #28-21-28-CombinedDwgs	JOB #28537 DRAWN BY: R
------------------	----------------------------	---------------------------

PREPARED FOR: Raymond J. Chewning, P.E.

FIELD DATE: DEC. 17, 1998 THRU JUNE 16, 2003.

FILE NUMBER:



APPENDIX E
Operation Plan

Applicant:



WASTE MANAGEMENT

Waste Management Inc. of Florida

242 West Keene Road

Apopka, Florida

OPERATION PLAN

VISTA MATERIALS RECOVERY FACILITY

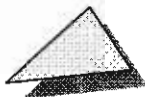
242 West Keene Road

Apopka, Orange County, Florida

Prepared by:

Raymond J. Chewning, P.E.

Engineering Consultant



11205 3rd Street East

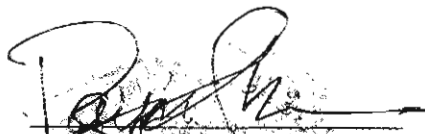
Treasure Island, FL 33706

Geosyntec

consultants

14055 Riveredge Drive, Suite 300

Tampa, FL 33637


Raymond J. Chewning, P.E.
Florida Registration No. 63782
Date: 11/30/09

November 2009

TABLE OF CONTENTS

1	INTRODUCTION.....	1
1.1	Terms of Reference	1
1.2	Purpose and Scope of the Operation Plan	1
1.3	Facility Location	1
1.4	Operation Plan Organization.....	1
2	PERSONNEL AND FACILITIES	3
2.1	Personnel Requirements.....	3
2.1.1	Responsible Persons	3
2.1.2	Types.....	3
2.1.3	Employee Training	4
2.1.4	Training Records	5
2.2	On-Site Structures	5
2.3	Communications.....	5
3	ENTRANCE PROCEDURES.....	6
3.1	Hours and Days of Operation.....	6
3.2	Processing Customers and Weighing.....	6
3.3	Public Use	6
3.4	Traffic Routing.....	6
3.4.1	Access Points and Signs	6
3.4.2	On-Site Traffic Flow.....	7
4	FACILITY OPERATIONS	8
4.1	Waste Management.....	8
4.1.1	Description of Waste	8
4.1.2	Waste Quantity	8
4.2	Methods of Operation.....	8
4.2.1	Weighing and Directing Loads to Appropriate Areas	8
4.2.2	Unloading	9
4.2.3	Waste Inspection.....	9
4.2.4	Waste Processing	10
4.2.5	Waste Storage	10
4.2.6	Waste Disposal	11
4.2.7	Daily Clean-Up.....	11
4.2.8	Odor Control.....	11

4.3	Facility Shutdown	12
4.4	Leachate Management System.....	12
4.5	Equipment	13
4.6	Maintenance Procedures	14
4.6.1	Equipment Maintenance and Inspection.....	14
4.7	Record Keeping.....	14
4.7.1	Operational Records	14
4.7.2	Annual Recycling Report	14
5	CONTINGENCY PLAN	15
5.1	Introduction	15
5.2	Fire Control Plan	15
5.2.1	When Fire Occurs	15
5.2.2	“Hot Load” Procedures.....	16
5.2.3	Fire Extinguishers and First Aid Kits	17
5.2.4	Vehicle Fire Procedures.....	17
5.3	Accident or Injury	17
5.3.1	When an Injury Occurs.....	17
5.4	Procedures After an Accident	18
5.5	Release of Contamination to Environment	19
5.5.1	Response	19
5.5.2	Follow-up.....	20
5.6	Hazardous or Other Unauthorized Materials	20
5.6.1	The Observer	20
5.6.2	Site Manager	21
5.6.3	Unloaded Hazardous or Unacceptable Waste.....	22
5.7	Uncooperative Customers	22
5.8	Natural Disasters	22
5.9	Inadequate Staffing	23
6	SAFETY PLAN.....	24
6.1	Emergency Procedures	24
6.2	General Safety Practices.....	24
6.3	Safety Precautions for Equipment Operators	25
6.4	Safety Equipment	26
6.5	Site User Rules	27

ATTACHMENTS

APPENDIX A: EMERGENCY RESPONSE CONTACTS

APPENDIX B: WASTE PROCESSING EQUIPMENT TECHNICAL
SPECIFICATIONS

1 INTRODUCTION

1.1 Terms of Reference

This Operation Plan was prepared on behalf of Waste Management Inc. of Florida (WMIF) for the Vista Materials Recovery Facility (VMRF). The Operation Plan for VMRF complies with the requirements of Chapter 62-701 of the Florida Administrative Code (F.A.C.).

1.2 Purpose and Scope of the Operation Plan

This Operation Plan provides a detailed description of the daily operations at VMRF, including contingency operations as required by Rules 62-701.710(4)(e) and 62-701.320(7)(e)2 of the F.A.C. The primary purpose of the Operation Plan is to describe the operational framework for VMRF so that the facility is operated and maintained in a condition that protects the public health and the environment.

The Operation Plan will be updated, as needed, as operational procedures change at VMRF. The Operation Plan will be updated no less frequently than upon renewal of the operation permit for the facility. A copy of the approved Operation Plan shall be kept at or near the facility and will be accessible to the operator and other employees of VMRF, and will be available to Florida Department of Environmental Protection (FDEP) employees at the time of inspection.

1.3 Facility Location

VMRF is located within the Vista Landfill, LLC property at 242 West Keene Road, Apopka, Florida. The general site location is shown on the Vicinity Map provided on Sheet 1 of the permit drawings. The site is within Section 28, Township 21 South, Range 28 East in Orange County, Florida. The main entrance of the facility is located at latitude 28°38'24.5"N, longitude 81°30'41.7"W.

1.4 Operation Plan Organization

The organization of the remainder of the Operation Plan is described below:

- Section 2 describes personnel requirements;
- Section 3 presents entrance procedures, and traffic routing and control for VMRF;

Operation Plan
Vista Materials Recovery Facility

- Section 4 discusses operations of the VMRF including waste management, equipment, general maintenance procedures, and record keeping.
- Section 5 describes the contingency plan for operation interruptions and emergencies at the site; and
- Section 6 describes the safety plan for the site.

2 PERSONNEL AND FACILITIES

2.1 Personnel Requirements

2.1.1 Responsible Persons

The day-to-day operations of the site are directed by the Operations Supervisor who is responsible for site personnel attendance and performance. As such, he routinely directs the daily activities of the scale-house attendant, facility operators and spotters, and other support personnel.

Mr. Michael A. Donaldson is the Operations Supervisor responsible for the operations at VMRF. Mr. Donaldson can be contacted at 242 West Keene Road, Florida 32703 or by telephone at (407) 886-2920.

The District Manager has responsibility of overall management and operation of the VMRF. The District Manager has the authority to obtain the necessary personnel to operate the site and provide for their training and orientation. The District Manager ascertains the facility's need for equipment, has the authority to replace existing equipment or obtain new equipment, and is responsible for administering the provisions of the site operation plan.

Mr. Irv Slike is the District Manager and can be contacted at 242 West Keene Road, Florida 32703 or by telephone at (407) 886-2920.

2.1.2 Types

All personnel are full time employees competent and skilled to perform the work that they may be assigned. VMRF is staffed approximately as follows:

- 1 Operations Supervisor (as shared with Vista Landfill);
- 1 Scale House Operator (as shared with Vista Landfill);
- 1 Equipment Operator;
- 1 Spotter (Lead Sorter); and
- 2 Sorters, or more as needed.

A trained operator is available at VMRF at all times whenever the facility is operating. A trained spotter is available at the unloading (tipping floor) area during active operations to

inspect incoming waste and direct the removal of any prohibited waste. A list of VMRF personnel and their respective job descriptions will be provided to FDEP upon request.

2.1.3 Employee Training

The operator and spotter of VMRF are trained in accordance with Rule 62-701.320(15) of the F.A.C. The training of the operator and spotter is performed via those courses offered to the public through the Center for Training, Research and Education for Environmental Occupations (TREEO) at the University of Florida and other approved sources (see www.treeo.ufl.edu). These training courses are designed to train the operator to operate the facility and the spotter to identify and properly manage any hazardous or prohibited materials that are received at the facility. In accordance with Rule 62-701.320(15)(b)2 of the F.A.C., any trained operator at VMRF shall complete at least 16 hours of initial training, and shall pass an examination as part of that training. Within three years after successfully completing the initial training course, and every three years thereafter, each operator shall complete at least 8 hours of continued training.

In accordance with Rule 62-701.320(15)(c), any trained spotter at VMRF shall complete at least 8 hours of initial training. Within three years after successfully completing the initial training course, and every three years thereafter, each spotter shall complete at least 4 hours of continued training.

An interim operator is a person who has not completed the required 16-hour initial training course, but has, in the opinion of the Operations Supervisor shown competency as an operator through a combination of work experience, education and/or training and who has at least one year of experience at VMRF or other similar facility. An interim operator shall perform the duties of an operator only, under the direct supervision of a trained operator. The determination to grant interim operator status may be made at the time of hiring, based on information provided in the resume or application. Alternatively, the Operations Supervisor may grant interim operator status following work observations.

An interim spotter is a person who has not completed the required 8-hour initial training course, but has, in the opinion of the Site Manager, shown competency as a spotter through a combination of work experience, education and/or training. An interim spotter shall perform the duties of a spotter only, under the direct supervision of a trained operator or spotter. The determination to grant interim spotter status may be made at the time of hiring, based on information provided in the resume or application. Alternatively, the Site Manager may grant interim spotter status following work observations.

Interim status for operators and spotters is not intended to exceed six months, provided that TREEO or other approved training is available during this period.

2.1.4 Training Records

The documentation or training certificates for VMRF personnel demonstrating that all operators and spotters have received the required training are kept at the facility at all times, and are available for inspection by FDEP upon request. Transcripts are also available on the University of Florida TREEO website at the following link: <http://landfill.treeo.ufl.edu/Participants.aspx>.

2.2 On-Site Structures

On-site structures include a scale house, recyclable materials sorting bins, covered waste processing/storage building (i.e., tipping area), leachate collection and lift station, roads and storm water conveyance ditches. The scale house is shared with the landfill facility and is located near the site entrance along the northern portion of the facility.

2.3 Communications

Communication equipment at VMRF consists of conventional telephone service for outside communications, and cellular phones or radios for communications between ground and equipment personnel.

3 ENTRANCE PROCEDURES

3.1 Hours and Days of Operation

Typical hours of operation for VMRF are:

Monday through Friday	7:00 am to 6:00 pm
Saturday	7:00 am to 12:00 noon

The actual hours of operation are clearly posted at the main entrance to the facility. The facility is closed on Sundays and designated holidays. No waste processing operations (unloading, inspecting, sorting or loading) will occur in the absence of adequate lighting.

3.2 Processing Customers and Weighing

Upon entering the landfill facility entrance, all users are required to stop at the scale house. All trucks delivering waste to the facility are weighed. When necessary, tare weights of the trucks are determined by weighing the emptied vehicle as it leaves the site. Tare weights for waste haulers that regularly visit the site are recorded so that they do not need to be weighed each time they leave the site unless specifically required by contract or to meet facility needs. Loads size, types of waste, customer names, and charges to all vehicles are recorded. Invoices are based on the weight of waste received.

3.3 Public Use

Small, private vehicles are directed to place their load in the appropriate tipping area by the Scale House Operator. Private vehicles are expected to follow all site safety requirements as directed by site signs, spotters and operators.

3.4 Traffic Routing

3.4.1 Access Points and Signs

Access to the facility by all vehicles is controlled by a single secured site entrance. The entrance allows for safe and orderly traffic flow into and out of the facility. Traffic control and safety requirement signs are located at and near the entrance to the facility, as required.

Signs posted at the site entrance clearly indicate the name of the facility, name of the operating authority, hours and days of operation, and responsible facility contact.

3.4.2 On-Site Traffic Flow

Once vehicles delivering waste are weighed, they follow posted signs or operator / spotter instructions to the appropriate waste unloading (tipping) area depending on the type of material received. General on-site traffic flow is presented on the Operational Site Layout for the facility, see Sheet 3 of the permit drawings.

4 FACILITY OPERATIONS

4.1 Waste Management

4.1.1 Description of Waste

Class III waste is accepted at VMRF. As defined in Rule 62-701.200(14) of the F.A.C., *Class III waste means yard trash, construction and demolition debris, processed tires, asbestos, carpet, cardboard, paper, drywall, plastic, furniture other than appliances, or other materials approved by the Department that are not expected to produce leachate which poses a threat to public health or the environment.*

4.1.2 Waste Quantity

It is anticipated that VMRF will receive approximately 50% Class III materials and 50% Construction and Demolition debris (C&D) materials. The initial goal of the facility is to remove approximately 20% recyclables from the Class III waste and 50% recyclables from the C&D waste. Based on current waste acceptance rates at the Vista Landfill, VMRF is expected to initially receive approximately 250 tons per day of solid waste. Waste quantity is expected to follow population and development growth patterns which are anticipated to be approximately 3% annually.

The maximum design capacity of the facility is limited by waste load-out rates. A 22-ton outbound truck load of waste can be loaded every 20 minutes utilizing one loader. Based on 10 hours of loading time during each weekday and 4 hours of loading time on Saturdays, a maximum of 660 tons per day and 264 tons per day of waste can be processed, respectively.

4.2 Methods of Operation

4.2.1 Weighing and Directing Loads to Appropriate Areas

Access to the facility by all vehicles is through a single secured site entrance. The entrance allows for safe and orderly traffic flow into and out of the facility. Once vehicles delivering waste have been weighed, they follow posted signs or operator / spotter instructions to the appropriate tipping area depending on the type of material received. Traffic control and safety requirement signs are located at and near the entrance to the facility, as required.

4.2.2 Unloading

The vehicles unload at the tipping and sorting area, which is organized to accept Class III waste and C&D waste materials as shown in the Operational Site Layout (see Sheet 3 of the permit drawings). Class III and C&D waste is unloaded within the northern portion of the tipping and sorting area.

Some C&D loads which contain a high degree of recyclable materials may be unloaded outside the tipping and sorting area near the southwest corner of the facility's paved area. Loads which contain predominately one type of recyclable material will be unloaded at the corresponding storage area and dissimilar materials will be removed or taken to the appropriate area.

A trained spotter performs the waste screening. To ensure that only Class III waste (including C&D waste) is unloaded at VMRF, a trained spotter is in the tipping and sorting area at all times that waste is received to inspect the incoming waste. The spotter directs the removal of any prohibited waste.

4.2.3 Waste Inspection

Each load of solid waste brought into the facility is checked in by the scale master, who directs the vehicle to the processing building after receiving a verbal description of the load from the driver. At the scale-house, the drivers of the waste collection vehicles are questioned regarding their load types and source (e.g., Is the waste Class III or C&D?, Did the waste come from a construction site?, Did the waste come from within the county?, etc.). If this questioning reveals any unauthorized material, the truck is denied access to the site. The driver of the denied vehicle should also be informed that: (i) his load is unacceptable and why; and (ii) VMRF personnel will assist him in determining what he should do for proper disposal of the load. Rejected loads are documented in operational records for the facility.

At the tipping and sorting area, the spotter provides additional inspection of the waste. As the waste materials are unloaded, the trained spotter performs a visual examination from the ground. The spotter directs the removal of any prohibited waste, which is placed back on the truck on which it was delivered to the site, if available. If the truck on which the prohibited material was delivered is not available, the prohibited waste(s) is placed temporarily in containers for subsequent disposal at an appropriate FDEP approved waste disposal facility.

If any hazardous waste is identified before or after unloading waste, the operator shall notify FDEP before moving / redirecting / rejecting / reloading the waste, and follow the

instructions from FDEP, and the waste shall be managed in accordance with the provisions of the F.A.C. Chapter 62-730. The operator, whenever possible, shall record the name of the person responsible for shipping the waste to the transfer station, the generator of the waste and particulars of the transport vehicle. The area where the hazardous waste is unloaded shall immediately be cordoned off from public access. If the generator or hauler cannot be identified, the facility operator is responsible for cleanup, transportation, and disposal of the waste at a permitted hazardous waste management facility.

4.2.4 Waste Processing

The waste received at VMRF is processed for recovery of recyclable materials with the remaining material processed for disposal. Waste is unloaded in the tipping and sorting area. Sorting of the material is performed manually and by excavators with grapples. Recyclable materials to be recovered include concrete, wood, metal, drywall, plastic, and other materials. These materials are transferred to the recyclable material storage bin areas shown on Sheet 3 of the permit drawings for the facility. All recovered materials (e.g., concrete, wood, metal, and plastic) are stored in the corresponding storage bins until removed off-site. Areas where recyclable materials are stored are cleared out periodically.

After the recyclable materials are recovered, the remaining waste is loaded into transfer vehicles and removed from the site for disposal at Vista Landfill, an FDEP approved facility.

4.2.5 Waste Storage

The on-site storage areas for VMRF are presented on Sheet 3 of the permit drawings for the facility. On-site storage areas are provided for recyclable materials while Class III and C&D wastes are stored temporarily on the tipping floor within the building. After the recyclable materials (e.g., concrete, wood, metal, plastic, drywall, and others) have been recovered, the remaining waste materials are loaded into transfer trucks and removed from the site for disposal at Vista Landfill, an FDEP approved facility.

The storage capacity of each recyclable material sorting bin is approximately 200 cubic yards. Recyclable materials are removed when sufficient quantities have been stockpiled to constitute a load. It is anticipated that this will occur on a weekly basis for most recyclables, although some materials may not be collected in sufficient quantities to constitute a load each week. For ease in handling and secure storage, metal storage boxes (roll-off containers) may be used to store smaller items such as drywall and plastics.

Non-processable waste such as unauthorized non-hazardous waste and hazardous waste is temporarily stored in on-site storage containers located adjacent to the waste processing

structure (i.e., tipping area) as indicated on Sheet 3 of the permit drawings for the facility. Any unauthorized non-hazardous waste is temporarily stored in an approximately 4 cubic yard covered container (i.e., insta-bin); and any hazardous waste is temporarily stored in an approximately 20 cubic yard covered metal storage box (i.e., roll-off container). Areas where non-processable waste is stored are cleared out periodically and disposed of at appropriate FDEP approved facilities.

4.2.6 Waste Disposal

Residual Class III and C&D waste are removed from the facility on a daily basis, and disposed of at Vista Landfill, an FDEP approved Class III waste disposal facility. Any unmarketable recycled materials, based on the type, will also be disposed of at Vista Landfill.

Special wastes such as paint cans, thermostats, and batteries, are stored in covered metal containers and removed for disposal or recycling at least once each month. Non-hazardous Class I wastes are stored in covered containers and removed for disposal at least once each week. Other waste disposal procedures for unusual circumstances, such as the discovery of hazardous and non-hazardous waste, and uncooperative customers are described in Sections 5.6 and 5.7 of this Operation Plan.

4.2.7 Daily Clean-Up

The site is patrolled daily for loose waste and litter. Any loose waste is picked up and stored, based on material type, on-site until removed for disposal to an FDEP approved waste disposal facility.

4.2.8 Odor Control

VMRF shall be operated in accordance with Rule 62-296.320(2) of the F.A.C., to control objectionable odors. The waste operation performed at VMRF is conducted in a well ventilated open sided building. Furthermore, all Class III waste is removed from the facility on a daily basis. Therefore, no odors are anticipated from the daily handling and on-site storage of Class III waste.

Should any objectionable odors occur, they will be controlled by immediately removing the offending waste to an off-site solid waste disposal facility. Waste storage and processing areas and leachate drains are cleaned at least weekly to help prevent odors.

4.3 Facility Shutdown

Circumstances in which waste acceptance would be halted may include, but are not limited to: (i) assessment of hazardous waste in the tipping area; (ii) fires; (iii) accidents; or (iv) machinery problems that preclude normal site operations. In the event that the VMRF operations are interrupted or delayed for a period of time more than 24 hours or capacity is reached, whichever is greater, the waste vehicles will be routed directly to Vista Landfill. FDEP will be notified within 24 hours, if VMRF is rendered inoperable.

In the event that the facility experiences a breakdown of operations or equipment such that it is unable to continue operations effectively, the VMRF will be shutdown. Any unprocessed waste materials will be handled through contract equipment and labor, if necessary, until normal operations are re-established.

The following procedure is implemented for daily start-up operations, as well as after a scheduled facility shutdown:

- Perform a general visual inspection of the facility, and identify any areas that need immediate attention prior to starting operation of the facility;
- Ensure that adequate staffing and equipment is available to perform normal operations at the facility. Check equipment/vehicle fluid and fuel levels, tire pressure and engine belts prior to starting-up equipment;
- Confirm that adequate power supply (and lighting, if needed) is available; and
- Verify the availability of safety equipment as outlined in Section 6 of this Operation Plan.

4.4 Leachate Management System

Waste processing at VMRF includes the handling of Class III materials which are not expected to produce leachate that poses a threat to public health or the environment. As shown on the Operational Site Layout for the facility (Sheet 3 of the permit drawings), a leachate control system is provided in the unloading (i.e., tipping floor) and truck loading area.

The tipping floor area is graded toward a leachate collection sump. A perforated cover over the leachate collection sump will prevent materials larger than 1 inch from entering the system. Liquid from the tipping floor area and sorting area is collected and conveyed, via gravity flow, to a leachate pump station where it is pumped to the existing leachate

storage tanks for the Vista Landfill facility. From the leachate tanks, leachate is then discharged into the City of Apopka's sewer system in accordance with the currently approved Industrial Wastewater Permit issued by the City of Apopka.

The leachate collection sump and drain is inspected periodically and accumulated debris is removed, as needed, at a minimum frequency of once a week.

4.5 Equipment

The equipment provided at the site is expected to meet the permitted and design capacity (i.e., waste quantity) anticipated at the facility as outlined in Section 4.1.2. Equipment technical specifications for the transfer trucks, front end loaders and skid steer loaders are provided in Attachment B. The equipment to be used in the operation of the VMRF facility during maximum or peak operations is as follows. During periods of low waste volume, less equipment may be warranted and may be adjusted at the discretion of the site manager.

- An articulated end dump truck (Volvo A25 or equivalent) will be used to transport waste from the site to the Vista Landfill, an FDEP approved landfill (as shared with the Vista Landfill);
- 1 front end loader (e.g., Volvo L120 or similar model with an approximately 4 cy bucket volume) to load and transport waste into storage areas and transfer trailers;
- 1 skid steer loader (e.g., Bobcat S175 or similar model) for removal and piling recyclable materials;
- Track excavator with grappler arm extension;
- 2 scales to measure waste quantities (as shared with the Vista Landfill);
- safety equipment such as work gloves, fire extinguishers, first aid kits, hearing protection, and safety drywall; and
- cleaning equipment such as brooms, shovels, and hoses.

4.6 Maintenance Procedures

4.6.1 Equipment Maintenance and Inspection

All facility equipment is tested and maintained as necessary to assure its proper operation. This includes the adjustment, repair, or replacement of worn parts before the equipment or system fails. Pre-operational checks are performed daily on all equipment. All vehicles are inspected according to the appropriate preventative maintenance schedule. WMIF contracts with outside firms for the maintenance of all on-site equipment.

4.7 Record Keeping

4.7.1 Operational Records

WMIF maintains operational records for VMRF. The records include a record of the quantity of solid waste received, processed, stored, and removed from the site for recycling or disposal. They include the county of origin of the waste, if known. The records also include each type of solid waste, recovered materials, residuals, and unacceptable waste that is processed, recycled, and removed. The records are compiled on a monthly basis and are available for inspection by FDEP. The reports are retained at VMRF for three years.

4.7.2 Annual Recycling Report

WMIF provides FDEP with an annual recycling report. The report is submitted on Form 62-701.900(7). The report includes a summary of: (i) the amount and type of waste received; (ii) the amount and types of waste disposed; and (iii) the amount and types of waste recycled. For the waste recycled, the report includes the county of origin if known or a statement that the county of origin is unknown. The report is submitted no later than April 1 of each year, and covers the preceding calendar year.

5 CONTINGENCY PLAN

5.1 Introduction

This section identifies a set of unplanned circumstances that may occur at VMRF. If handled correctly, the damage or impacts from these problems can be minimized or eliminated. The procedures to follow for dealing with problems as they occur are described herein. Operating personnel will become familiar with the procedures in order to prevent environmental contamination or damage to VMRF facilities.

This plan has been designed for submission to the local police and fire department and nearby health care facilities when the permit for operations is issued. The entrance to the facility allows emergency vehicles immediate access to the processing and tipping area by police, fire, and ambulance.

Attachment A contains a list of individuals and emergency response agencies to contact. This list is posted near all telephones on-site to provide “ready” access to emergency response agencies.

This plan is organized by subsection and contains specific plans to address each type of occurrence listed below:

- fire;
- accident or injury;
- release of contamination to environment;
- hazardous or other unacceptable waste;
- uncooperative customers;
- natural disasters;
- inadequate staffing; and
- equipment breakdown.

5.2 Fire Control Plan

5.2.1 When Fire Occurs

The following procedures are followed in the event of a fire at VMRF:

- Extinguish small fires with water, or a fire extinguisher, do not remain near large fires or explosive materials;
- Determine location, extent, type, and if possible, cause of fire or explosion;
- Notify on-site personnel and implement safety and fire control procedure;
- Notify facility emergency coordinator, if the fire cannot be immediately controlled;
- Notify fire department if necessary. Clearly state:
 - location of facility,
 - location of fire or explosion in facility,
 - extent of fire or explosion,
 - type of fire or explosion,
 - actions now being taken, and
 - injuries;
- Notify rescue squad, if necessary;
- Notify health care facility, if necessary;
- Notify sheriff, if necessary; and
- Immediate notification to FDEP (see Attachment A for applicable Emergency Response Telephone Numbers).

5.2.2 “Hot Load” Procedures

In the unlikely event that a “hot load” is not identified before entrance into the facility, the following procedures are implemented:

- Facility operations, especially acceptance of incoming waste, will cease until the fire is under control;
- Call the local emergency response agency per Fire Fighting Agreement if the fire is out of control or large enough to cause harm to facility personnel;
- The truck carrying the “hot load” is directed to dump the load on the tipping area but away from any other waste;
- Water, or a fire extinguisher will be used to smother the “hot load”; and
- The “hot load” is monitored until there is no evidence of smoldering or high temperatures.

A fire inspection is performed annually, typically during the summer months, to ensure that adequate fire protection is available at the site as required per Rule 62-701.710(4)(e) of the F.A.C. Fire Prevention Inspection Reports are provided to FDEP upon request.

5.2.3 Fire Extinguishers and First Aid Kits

Fire extinguishers and first aid kits are installed in the following locations:

- scale house; and
- selected on-site vehicles and equipment.

Several fire extinguishers are also located throughout the facility.

5.2.4 Vehicle Fire Procedures

In the unlikely event of a vehicle fire, the following procedures are implemented:

- The operator will evacuate the vehicle;
- Facility operations, especially acceptance of incoming waste, will cease until the fire is under control;
- Call the local emergency response agency per Fire Fighting Agreement, if the fire is out of control or large enough to cause harm to facility personnel;
- Water or a fire extinguisher will be used to extinguish the fire;
- The vehicle is monitored until there is no evidence of smoldering or high temperatures.

5.3 Accident or Injury

5.3.1 When an Injury Occurs

When an injury occurs, the following procedures are implemented:

- Shut down equipment in the immediate vicinity, as appropriate;
- Determine extent of injuries (location, seriousness);
- If victim is not breathing and has a pulse, administer rescue breathing, if trained;
- If victim has no signs of circulation, administer CPR, if trained;
- DO NOT MOVE VICTIM(S), unless:
 - victim is still in danger, or

- victim can move self without great pain;
- Have someone phone rescue squad (i.e., 911) unless injuries are clearly minor, and provide the following:
 - clearly state location, and
 - describe injuries;
- Stay with and keep victim(s) warm;
- Notify Site Manager or Responsible Persons;
- Transport victim(s) to a nearby medical center if:
 - injury is not serious, but requires medical attention (e.g., broken fingers, minor burns), and
 - victim(s) can move self without great pain;
- Notify sheriff, if necessary; and
- Apply first aid, as described below:
 - Employees – Minor accidents such as bee stings, minor cuts, and small burns may be treated on-site by an employee trained to administer first aid; and
 - Customers – First aid treatment will not be given to customers who have minor accidents at the site. However, personal information about the victim and a description of the accident will be obtained. The customer will be instructed to go to his/her doctor for examination and treatment, if required.

5.4 Procedures After an Accident

The following procedures are implemented in the event of an accident:

- Accident Investigation – The Site Manager (or designee) will make a complete investigation of the accident and events up to the time of the accident. The investigation will be started as soon as possible after the accident. All witnesses to the accident and persons involved in the accident will be interviewed.
- Determination of Cause – After the facts about the accident have been gathered, the Site Manager (or designee) will make a determination as to the cause(s) of the accident.

- **Filing of Reports** – The Site Manager (or designee) will complete and file the appropriate accident report forms. A copy of the accident report will also be submitted to FDEP.
- **Corrective Steps** – After a thorough investigation and determination of the cause(s) of an accident, the Site Manager (or designee) will take corrective steps so that the same type of accident will not re-occur. These corrective steps may take the form of repair of faulty equipment, installation of safety equipment, or instruction of personnel in safe operating procedures.
- **Discussion with Employees** – If it is determined that the cause(s) of the accident was related to employee work habits and that remedial safety instructions would be helpful, a meeting with site employees will be held. The accident and the corrective measures that will be taken will be discussed to prevent another accident. All employees will be instructed in proper safety procedures that should be followed.
- **Follow-up** – The Site Manager (or designee) will follow-up the corrective measures to make certain that proper safety precautions are being taken. All unsafe practices will be called to the attention of the employees.

5.5 Release of Contamination to Environment

5.5.1 Response

If contamination is released to the environment, the following procedures are implemented:

- Determine location, extent, type, and cause of release (e.g., fuel spill, etc.);
- Notify Site Manager (or designee) and implement safety and emergency response procedures;
- Notify fire department. State clearly:
 - location of facility,
 - location of contaminant release,
 - extent of release,
 - type of release, and
 - actions now being taken; and
- Notify proper authorities, including the Florida Emergency Management “Hot Line.”

A list of individuals and emergency response agencies to contact in the event of a release of contamination to the environment is provided in Attachment A. The appropriate response team as identified by the proper authorities will collect and dispose of all recovered waste and clean-up residue associated with a release of contamination to the environment.

5.5.2 Follow-up

Unless the occurrence of a contaminant release is clearly due to very unusual circumstances, the facility operators will take corrective action to prevent recurrence of the release.

A report will be filed at VMRF by the Site Manager (or designee) in order to have further reference for inquiries by authorities. The report will state:

- time/date of incident or its discovery;
- type of release and effects;
- source;
- response and effectiveness;
- agencies contacted; and
- corrective actions planned and scheduled.

5.6 Hazardous or Other Unauthorized Materials

VMRF employees supervise all users of the facility. The VMRF facility has the right to refuse any waste loads found unacceptable. The VMRF employees may prohibit any vehicle from dumping until a supervisor arrives. Waste material discovered during the sorting process that does not qualify as Class III waste, and is not a hazardous waste, is removed from the tipping and sorting area and placed in covered containers. The unauthorized material does not remain on-site for more than one week.

Waste Inspection procedures for hazardous waste are also presented in Section 4.2.3 of the Operation Plan. In the event that a substance known to be or suspected of being hazardous is dumped from any vehicle at VMRF, the actions described below are taken immediately.

5.6.1 The Observer

The Observer takes the following actions:

- Immediately report the incident to the Site Manager or their designee.
- Avoid exposure to the substance in question. Stay upwind.
- Observe where the material was dumped, by whom (which vehicle), how much was dumped, whether the container appears sound or is leaking, and what the substance looked and smelled like. Such observations will only be made with extreme caution and with the utmost regard for safety. **DO NOT SNIFF OR TOUCH THE SUBSTANCE.**
- Ask the individual who dumped the suspect load where the material was obtained.
- The area where the hazardous waste is unloaded shall immediately be cordoned off from public access.
- Ask the driver of the vehicle to remain at the dumping point to ensure adequate vehicle identification. If the driver attempts to leave the dumping point, the observer should inform the scale master and/or the Site Manager (or designee).

5.6.2 Site Manager

The Site Manager takes the following actions:

- Notify FDEP before moving / redirecting / rejecting / reloading the waste, and follow the instructions from FDEP, and the waste shall be managed in accordance with the provisions of the F.A.C. Chapter 62-730.
- Record all pertinent facts regarding vehicle, including but not limited to: name of carting company; license plate number; where the load was obtained (i.e., generator of waste), if known; any visible evidence identifying the waste substance; and quantity and state of the substance (e.g., solid or liquid or if contained or loose).
- Maintain careful records of other costs incurred as a result of the dumping incident including, but not limited to, security costs in isolating the area, costs of removal (by contract or otherwise) of the suspect material, other costs of intermediate or ultimate treatment and/or disposal, and any other pertinent costs.
- Coordinate the removal of the unacceptable waste with the proper authorities. If the generator or hauler cannot be identified, the facility operator is responsible for cleanup, transportation, and disposal of the waste at a permitted hazardous waste management facility.

5.6.3 Unloaded Hazardous or Unacceptable Waste

If, before a waste load can be unloaded (e.g., during inspection), it is discovered to contain, or is suspected of containing hazardous or other unacceptable materials, the same reporting procedures by the Observer and Site Manager (or designee) as described for the dumped loads still apply, except concerning the dumping itself. In addition:

- Inform the driver that his load is unacceptable and why;
- Do not permit the load to be dumped; and
- Assist the driver in determining what he should do for proper disposal of the load.

5.7 Uncooperative Customers

The following actions will be implemented if a customer does not obey site rules or cooperate with site personnel.

- If the customer is creating a substantial problem involving his or other's safety, or significantly interfering with disposal operations, the Site Manager (or designee) will decide what action should be taken;
- If the customer is creating a minor nuisance and does not respond to polite suggestions, the employee will record the vehicle description and license number, and report the incident to the Site Manager (or designee) or home office management; and
- In a case where a customer causes or threatens to cause harm to the property or personnel, or otherwise interferes with safe operation of the facility, the Site Manager (or designee) will contact the sheriff.

5.8 Natural Disasters

With enough forewarning provided prior to the occurrence of a natural disaster (e.g., hurricane), VMRF is emptied as best as possible. Incoming waste is minimized or diverted to another acceptable FDEP approved disposal facility. Leachate sumps and other on-site storage areas are emptied, and equipment secured. The facility is shut down and secured, as best as possible, during the event.

5.9 Inadequate Staffing

Generally, the personnel at VMRF are cross-trained in more than one area such that they can substitute in other positions during normal operations, if necessary. In the event that the facility is unable to continue operations effectively with the personnel available, the facility will shut down. As discussed in Section 4.3, waste vehicles are routed directly to an acceptable FDEP approved waste disposal facility. FDEP will be notified within 24 hours, if VMRF is inoperable.

6 SAFETY PLAN

6.1 Emergency Procedures

The following procedures are followed to deal with emergency situations at the VMRF facility.

- Posting of Procedures – All emergency procedures (Section 5 – Contingency Plan) will be updated as appropriate and after each emergency. All emergency procedures will be posted in conspicuous places at the site.
- The emergency telephone numbers (Attachment A) will be posted near on-site telephones to provide “ready” access to emergency response agencies.
- Instructions on Procedures – All new personnel will be instructed on the emergency procedures used at VMRF. All employees will be informed of any changes in emergency procedures.
- Responsibility of Employee – It is the responsibility of every employee to know and remember his/her role in each emergency procedure at the site.

6.2 General Safety Practices

The following practices are followed to promote general site safety at VMRF.

- Knowledge of Procedures – All employees at VMRF will know the proper procedures for reporting accidents, injuries, and fires.
- Posting of Information – Roadway limits and speed limits on each road will be clearly posted. Direction of travel and location of curves will also be posted. The location of disposal areas will be clearly indicated.
- Site User Rules – Site user rules will be posted at the entrance to the facility. Employees will watch for violations. Employees will explain rules to violators, stressing that the rules are for their protection. As a last resort, the Site Manager will notify the Sheriff’s Office for further action.
- Unloading – For safe operations, the tipping, processing, and sorting areas are to be properly maintained and equipment maintained in good repair.
- Fire Extinguishers – Fire extinguishers will be provided in buildings and on equipment. Each extinguisher will be appropriate for the types of fires likely and they should be checked or serviced as appropriate. Discharged (even partially) fire extinguishers will be removed and replaced with fully charged units.

- First Aid Kits – First aid kits are maintained in the main office building and in select site vehicles. An inventory of the first aid supplies should be maintained in order to re-supply the first aid kits when items are used.
- Employee Alertness – All employees will be alert for hazards at the facility. Potential hazards will be reported to the supervisor.
- Safety Meetings – Safety meetings will be regularly scheduled. Situations that can cause accidents and ways to prevent them will be discussed. Also, the effectiveness of corrective actions following accidents at the site will be discussed.
- NO SMOKING will be allowed within the tipping or processing area or near fuel storage facilities.

6.3 Safety Precautions for Equipment Operators

The following safety precautions are taken by equipment operators at VMRF.

- Check Equipment – Check equipment for defects before operating. This can best be done by completing checkout lists prior to starting equipment in the morning. Do not start or operate defective equipment.
- Use Stepping Points – To prevent slipping, use stepping points and handholds when mounting and dismounting equipment.
- Keep Debris from Cab – Keep operator's compartment, stepping points, and handholds free from oil, grease, mud, loose objects, and refuse.
- Look All Ways Before Moving – Protect personnel and other equipment in the area by looking to the front, rear, and sides before moving equipment. If unsure of surrounding conditions, dismount and inspect the area.
- Control Equipment Properly – The operator will control his equipment only from the driver's seat. Always have equipment under control.
- Wear Seat Belts and Hard Hats – Always wear seat belts while operating equipment to provide support and security in the operator's compartment. A hard hat will reduce the potential for head injuries.
- Do Not Mount Moving Equipment – Never mount or dismount from moving equipment. Wait until equipment has come to a complete stop and the brake is set before mounting or dismounting.

- **Carry Only Authorized Passengers** – Persons other than the operator will not normally be allowed on equipment. If it is necessary to carry a passenger, he will sit in a safe location. The passenger will be performing official duties only.
- **Check Blind Areas** – Never push waste until sure that no person or equipment is in the blind area ahead of the machine, the blade, or the refuse. If the operator is not sure of the surrounding conditions, he will get off the equipment and personally inspect the area. When operating in reverse, turn around to look in the direction of travel.
- **Maintain Adequate Clearance** – When pushing waste, maintain adequate clearance from other vehicles or obstructions to assure that any falling objects will not strike other equipment or persons. Equipment will be kept clear of refuse vehicles.
- **Avoid Excessive Speed** – Operating conditions generally determine the speed of heavy equipment. Under no circumstances will heavy equipment be driven at excessive speeds or operated recklessly.
- **Constantly Check Work Area** – The operator will constantly check the work area for the location of other persons or equipment. Be especially cautious when several private vehicles are in the area. Assume that site users may not be familiar with dangers of heavy equipment.

6.4 Safety Equipment

Certain safety equipment is specified for equipment operator protection. It is the responsibility of each employee to be sure his safety equipment is in good repair. Each employee must use his equipment at appropriate times.

- **Equipment:** Each piece of heavy equipment should be provided with:
 - safety restraint belt;
 - roll-over bars;
 - backup warning system; and
 - fire extinguisher.
- **Personal:** Equipment operators should have the following personal protective clothing and accessories available:
 - ear muffs or ear plugs;
 - safety drywall or face shields;
 - rubber or leather (steel toe, shank) boots;

- work gloves;
- hard hats; and
- high visibility safety vests.

6.5 Site User Rules

The following set of rules is utilized at VMRF.

- NO SMOKING will be allowed within the tipping or processing area or near fuel storage facilities.
- Children and Pets in Vehicles – Individuals (children and pets) not involved in unloading refuse will remain in the vehicle.
- Persons Unloading to Remain Near Vehicle – Persons unloading will remain within 10 ft of their vehicle at all times.
- No one will be allowed to ride on the outside of a user vehicle while on-site.
- Dump Waste Behind Vehicle – Whenever possible, waste will be dumped immediately behind the unloading vehicle. Waste will not be thrown at any time.
- Unloading – No unloading by non-mechanized trucks or passenger cars is to be done using rapid acceleration or deceleration.
- Keep Tools in Vehicle – Tools, removable tailgates, sideboards, wheelbarrows, ladders, and tarps will be kept in, on, or under the vehicles being unloaded to prevent damage to other vehicles or site equipment.
- Speed Limit – The posted speed limit within VMRF will be enforced. Operating personnel will direct users to further reduce their speed when justified by site conditions.
- No Shooting – Firearms are not permitted at VMRF.
- No Explosives – Explosives are not permitted at VMRF.

ATTACHMENT A
EMERGENCY RESPONSE CONTACTS

EMERGENCY RESPONSE COORDINATOR(S)

The Site Manager or designee is responsible at the facility. Below are names of the contacts.

- | | |
|---|---|
| 1) Irv Slike – District Manager | (407) 886-2920 (Office)
(407) 948-4255 (Mobile)
islike@wm.com (E-mail) |
| 2) Michael A. Donaldson – Operations Supervisor | (407) 886-2920 (Office)
(321) 229-6393 (Mobile)
mdonald2@wm.com (E-mail) |
| 3) Paul Bermillo – Environmental Protection Manager | (407) 886-2920 (Office)
(386) 804-4183 (Mobile)
pbermill@wm.com (E-mail) |
| 4) Sheree Grant – Market Area Engineer | (407) 886-2920 (Office)
(407) 902-1469 (Mobile)
sgrant@wm.com (E-mail) |

EMERGENCY RESPONSE TELEPHONE NUMBERS

Fire Department	911
Non-Emergency	(407) 703-1757
Sheriff's Office	911
Non-Emergency	(407) 703-1771
Hospital	(407) 303-2800
Florida Community Affairs Emergency Management "Hot Line"	(904) 488-1320
Florida Department of Environmental Protection (Central District)	
..... during normal business hours	407-893-3328
..... during non-business hours	407-893-3337

ATTACHMENT B

WASTE PROCESSING EQUIPMENT
TECHNICAL SPECIFICATIONS



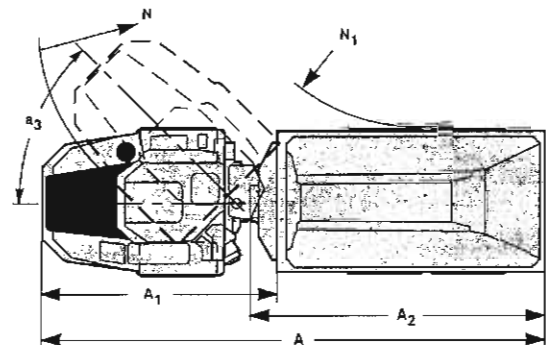
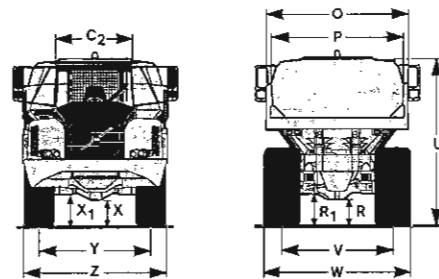
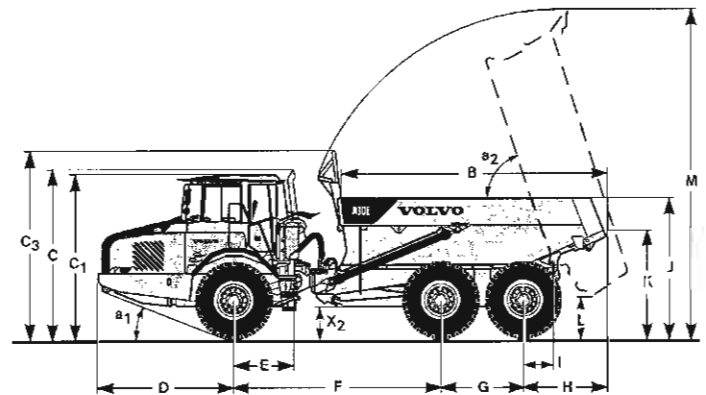
SPECIFICATIONS

Pos	Metric (mm)		Imperial (Feet)	
	A25E	A30E	A25E	A30E
A	10 220	10 247	33'6"	33'9"
A ₁	4 954	4 954	16'3"	16'3"
A ₂	5 764	6 002	18'11"	19'8"
B	5 152	5 339	16'11"	17'6"
C	3 428	3 428	11'3"	11'3"
C ₁	3 318	3 318	10'11"	10'11"
C ₂	1 768	1 768	5'10"	5'10"
C ₃	3 760	3 834	12'4"	12'7"
D	2 764	2 764	9'1"	9'1"
E	1 210	1 210	4'0"	4'0"
F	4 175	4 175	13'8"	13'8"
G	1 670	1 670	5'6"	5'6"
H	1 610	1 688	5'3"	5'6"
I	608	608	2'0"	2'0"
J	2 778	2 856	9'1"	9'4"
K	2 102	2 181	6'11"	7'2"
L	677	686	2'3"	2'3"
M	6 559	6 592	21'6"	21'8"
N	8 105	8 105	26'7"	26'7"
N ₁	4 079	4 037	13'5"	13'3"
O	2 700	2 900	8'10"	9'6"
P	2 490	2 706	8'2"	8'11"
R	512	513	1'8"	1'8"
R ₁	634	635	2'1"	2'1"
U	3 257	3 310	10'8"	10'10"
V	2 258	2 216	7'5"	7'3"
V*	-----	2 258	-----	7'5"
W	2 859	2 941	9'5"	9'8"
W*	-----	2 859	-----	9'5"
X	456	456	1'6"	1'6"
X ₁	581	582	1'11"	1'11"
X ₂	659	659	2'2"	2'2"
Y	2 258	2 216	7'5"	7'3"
Y*	-----	2 258	-----	7'5"
Z	2 859	2 941	9'5"	9'8"
Z*	-----	2 859	-----	9'5"
a	23.5°	23.5°	23.5°	23.5°
a ₂	74°	70°	74°	70°
α	45°	45°	45°	45°

A25E: Unloaded machine with 23,5 R25

A30E: Unloaded machine with 750/65R25

*) A30E with optional 23,5 R25 tires



Load capacity

	A25E		A30E	
Standard Body				
Load capacity	24 000 kg	26,5 sh tn	28 000 kg	31,0 sh tn
Body, struck	11,7 m³	15,3 yd³	13,6 m³	17,8 yd³
Body, heaped	15,0 m³	19,6 yd³	17,5 m³	22,9 yd³
With underhung tailgate				
Body, struck	12,0 m³	15,7 yd³	13,8 m³	18 yd³
Body, heaped	15,3 m³	20 yd³	18,0 m³	23,5 yd³
With overhung tailgate				
Body, struck	12,1 m³	15,8 yd³	14,0 m³	18,3 yd³
Body, heaped	15,6 m³	20,4 yd³	18,1 m³	23,7 yd³
With over- and underhung tailgate				
Body, struck	12,1 m³	15,8 yd³	- m³	- yd³
Body, heaped	15,6 m³	20,4 yd³	- m³	- yd³

Weights

	A25E		A30E	
Tires	23,5R25		750/65R25	
Operating weight unloaded				
Front	12 160 kg	26 808 lb	12 500 kg	27 557 lb
Rear	9 400 kg	20 723 lb	10 580 kg	23 280 lb
Total	21 560 kg	47 531 lb	23 080 kg	50 838 lb
Payload	24 000 kg	52 910 lb	28 000 kg	61 729 lb
Total weight				
Front	14 140 kg	31 173 lb	14 990 kg	33 047 lb
Rear	31 420 kg	69 269 lb	36 070 kg	79 520 lb
Total	45 560 kg	100 442 lb	51 060 kg	112 568 lb

Operating weight includes all fluids and operator.

Ground Pressure

	A25E		A30E			
Tires	23,5R25		750/65R25		23,5R25	
Unloaded						
Front	123 kPa	17.8 psi	101 kPa	14.6 psi	127 kPa	18.4 psi
Rear	48 kPa	7.0 psi	43 kPa	6.2 psi	54 kPa	7.8 psi
Loaded						
Front	144 kPa	20.8 psi	121 kPa	17.5 psi	152 kPa	22.0 psi
Rear	159 kPa	23.0 psi	146 kPa	21.2 psi	183 kPa	26.5 psi

Speed

	A25E		A30E	
Forward				
1	8 km/h	5.0 mph	8 km/h	5.0 mph
2	12 km/h	7.5 mph	12 km/h	7.5 mph
3	22 km/h	13.6 mph	22 km/h	13.6 mph
4	31 km/h	19.3 mph	31 km/h	19.3 mph
5	40 km/h	24.8 mph	40 km/h	24.8 mph
6	53 km/h	32.9 mph	53 km/h	32.9 mph
Reverse				
1	8 km/h	5.0 mph	8 km/h	5.0 mph
2	13 km/h	8.1 mph	13 km/h	8.1 mph

Fill capacities

	A25E		A30E	
Crankcase	40 liter	10.6 US gal	40 liter	10.6 US gal
Fuel tank	400 liter	106.0 US gal	400 liter	106.0 US gal
Cooling system	115 liter	30.4 US gal	115 liter	30.4 US gal
Transmission, total	41 liter	11.0 US gal	41 liter	11.0 US gal
Dropbox	8.5 liter	2.2 US gal	8.5 liter	2.2 US gal
Artes, front/rear	33 liter	8.7 US gal	33 liter	8.7 US gal
First bogie axle	34 liter	9.0 US gal	34 liter	9.0 US gal
Hydraulic tank	175 liter	46.0 US gal	175 liter	46.0 US gal

Body material

Front	8 mm	0.31"
Sides	12 mm	0.47"
Bottom	14 mm	0.55"
Chute	14 mm	0.55"
Yield strength	1000 N/mm²	145 000 psi
Tensile strength	1250 N/mm²	181 000 psi
Hardness	400 HB	

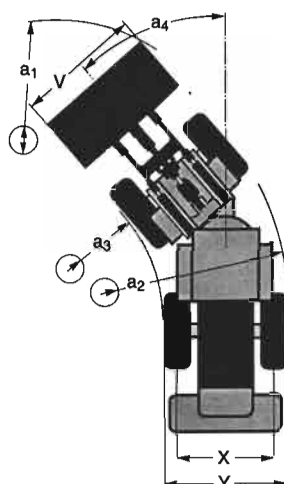


SPECIFICATIONS

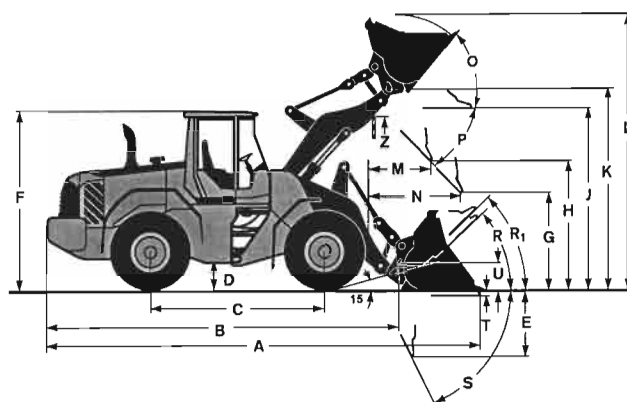
Tires: 23.5 R25 L3

	Standard boom		Long boom	
	L110F	L120F	110F	L120F
B	6470 mm 21'3"	6580 mm 21'7"	7000 mm 23'0"	7060 mm 23'2"
C	3200 mm 10'6"	3200 mm 10'6"	-	-
D	420 mm 1'5"	420 mm 1'5"	-	-
F	3360 mm 11'0"	3370 mm 11'1"	-	-
G	2132 mm 7'0"	2133 mm 7'0"	-	-
J	3700 mm 12'2"	3780 mm 12'5"	4220 mm 13'10"	4290 mm 14'1"
K	4020 mm 13'2"	4090 mm 13'5"	4530 mm 14'10"	4610 mm 15'1"
O	55 °	54 °	-	-
P _{max}	50 °	49 °	-	-
R	41 °	42 °	42 °	43 °
R ₁ *	46 °	47 °	-	-
S	66 °	67 °	64 °	64 °
T	96 mm 0'3.8"	96 mm 0'3.8"	105 mm 0'4.1"	145 mm 0'5.7"
U	470 mm 1'7"	510 mm 1'8"	-	-
X	2070 mm 6'9"	2070 mm 6'9"	-	-
Y	2670 mm 8'9"	2670 mm 8'9"	-	-
Z	3290 mm 10'10"	3330 mm 10'11"	3800 mm 12'6"	3700 mm 12'2"
a ₂	5730 mm 18'10"	5730 mm 18'10"	-	-
a ₃	3060 mm 10'0"	3060 mm 10'0"	-	-
a ₄	±40 °	±40 °	-	-

* Carry position SAE

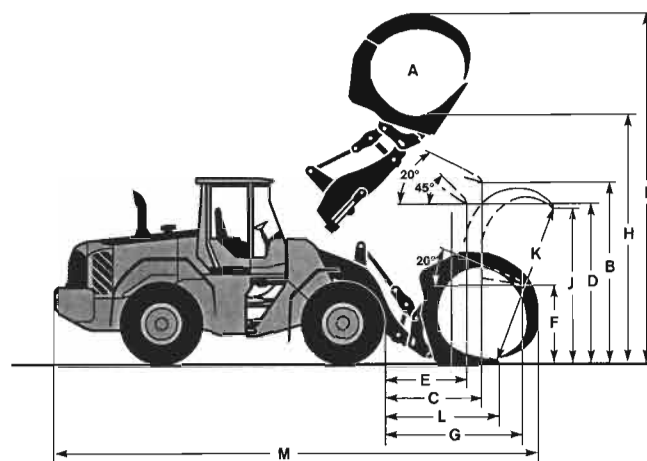


Where applicable, specifications and dimensions are according to ISO 7131, SAE J732, ISO 7546, SAE J742, ISO 14397, SAE J818.



Tires: 750/65 R25










	L110F	L120F
A	2.4 m ² 25.8 ft ²	2.4 m ² 25.8 ft ²
B	3470 mm 11'5"	3550 mm 11'8"
C	1840 mm 6'1"	1880 mm 6'2"
D	2840 mm 9'4"	2920 mm 9'7"
E	1460 mm 4'9"	1500 mm 4'10"
F	1520 mm 5'0"	1530 mm 5'0"
G	2720 mm 8'11"	2790 mm 9'2"
H	4580 mm 15'0"	4560 mm 15'3"
I	6620 mm 21'9"	6690 mm 21'11"
J	2790 mm 9'2"	2790 mm 9'2"
K	2990 mm 9'10"	2990 mm 9'10"
L	2060 mm 6'9"	2150 mm 7'1"
M	8760 mm 28'9"	8850 mm 29'1"



L110F
Sales code: WLA80832
Operating weight
(incl. logging cw 680 kg/1,500 lb): 19 820 kg (43,710 lb)
Operating load: 5850 kg (12,900 lb)

L120F
Sales code: WLA80832
Operating weight
(incl. logging cw 680 kg/1,500 lb): 20 600 kg (45,420 lb)
Operating load: 6400 kg (14,110 lb)

L110F

GENERAL PURPOSE												ROCK*	LIGHT MATERIAL	LONG BOOM	
Tires 23.5 R25 L3															
															
		Teeth	Teeth	Bolt-on edges	Bolt-on edges	Bolt-on edges	Bolt-on edges	Teeth & Segments	Bolt-on edges	Bolt-on edges					
Volume, heaped ISO/SAE	m³	2,8	3,0	3,1	3,1	3,4	3,4	2,7	5,5	9,5	-				
	yd³	3,7	3,9	4,1	4,1	4,4	4,4	3,5	7,2	12,4					
Volume at 110% fill factor	m³	3,1	3,3	3,4	3,4	3,7	3,7	3,0	6,1	10,5	-				
	yd³	4,0	4,3	4,5	4,5	4,9	4,9	3,9	7,9	13,7					
Static tipping load, straight	kg	13 440	12 650	13 120	12 410	12 260	13 040	13 330	11 560	11 650	-2550				
	lb	29,640	27,900	28,940	27,350	27,040	28,750	29,380	25,490	25,680	-5,620				
at 35° turn	kg	12 000	11 260	11 690	11 020	10 880	11 600	11 850	10 200	10 250	-2320				
	lb	26,450	24,820	25,780	24,290	23,980	25,580	26,130	22,480	22,600	-5,115				
at full turn	kg	11 570	10 840	11 270	10 600	10 470	11 170	11 410	9790	9840	-2250				
	lb	25,510	23,910	24,840	23,380	23,080	24,640	25,170	21,590	21,690	-4,960				
Breakout force	kN	166,7	146,8	156,7	139,3	132,8	153,5	129,9	105,0	91,6	+17				
	lbf	37,470	33010	35,230	31,250	29,870	34,520	29,220	23,600	20,590	+3,820				
A	mm	8070	8240	7890	8060	8130	7920	8310	8530	8820	+500				
	ft in	26' 6"	27' 1"	25' 11"	26' 5"	26' 8"	26' 0"	27' 3"	28' 0"	28' 11"	+1,640				
E	mm	1320	1470	1160	1310	1380	1190	1510	1730	1990	-				
	ft in	4' 4"	4' 10"	3' 10"	4' 4"	4' 6"	3' 11"	5' 0"	5' 8"	6' 6"					
H**)	mm	2740	2630	2860	2750	2700	2840	2610	2390	2190	+520				
	ft in	9' 0"	8' 8"	9' 5"	9' 0"	8' 10"	9' 4"	8' 7"	7' 10"	7' 2"	+1,710				
L	mm	5490	5800	5480	5600	5660	5610	5550	5820	5980	+510				
	ft in	18' 0"	18' 4"	18' 0"	18' 4"	18' 7"	18' 5"	18' 2"	19' 1"	19' 8"	+1,670				
M**)	mm	1230	1350	1110	1230	1280	1130	1400	1520	1730	-30				
	ft in	4' 1"	4' 5"	3' 8"	4' 0"	4' 2"	3' 9"	4' 7"	5' 0"	5' 8"	-0,100				
N**)	mm	1730	1780	1680	1740	1760	1690	1810	1780	1790	+430				
	ft in	5' 8"	5' 10"	5' 6"	5' 8"	5' 9"	5' 7"	5' 11"	5' 10"	5' 10"	+1,410				
V	mm	2880	2880	3000	2880	2880	3000	2880	3000	3400	-				
	in	113"	113"	118"	113"	113"	118"	113"	118"	133"					
a, clearance circle	mm	12 680	12 770	12 700	12 670	12 710	12 720	12 830	13 060	18 600	-				
	ft in	41' 7"	41' 11"	41' 8"	41' 7"	41' 9"	41' 9"	42' 1"	42' 10"	44' 8"					
Operating weight	kg	18 150	18 430	18 300	18 540	18 610	18 430	19 330	18 950	19 170	+310				
	lb	40,030	40,640	40,340	40,880	41,040	40,630	42,630	41,790	42,280	+680				

*) With L5 tires

**) Measured to the tip of the bucket teeth or bolt-on edge. Dump height to bucket edge. Measured at 45° dump angle. (Spade nose buckets at 42°.)

Note: This only applies to genuine Volvo attachments.

Bucket Selection Chart

The chosen bucket is determined by the density of the material and the expected bucket fill factor. The actual bucket volume is often larger than the rated capacity, due to the features of the TP Linkage, including an open bucket design, good rollback angles in all positions and good bucket filling performance. The example represents a standard boom configuration. **Example:** Sand and gravel. Fill factor ~ 105%. Density 1,65 t/m³ (2,780 lb/yd³). Result: The 3,1 m³ (4,1 yd³) bucket carries 3,3 m³ (4,3 yd³). For optimal stability always consult the bucket selection chart.

Material	Bucket fill, %	Material density, t/m ³ lb/yd ³	ISO/SAE bucket volume, m ³ yd ³	Actual volume, m ³ yd ³
Earth/Clay	~ 110	~ 1,80 ~ 3,030	2,9 3,8	~ 3,2 ~ 4,2
		~ 1,70 ~ 2,870	3,1 4,1	~ 3,4 ~ 4,5
		~ 1,50 ~ 2,530	3,4 4,5	~ 3,7 ~ 4,8
Sand/Gravel	~ 105	~ 1,75 ~ 2,960	2,9 3,8	~ 3,0 ~ 3,9
		~ 1,65 ~ 2,780	3,1 4,1	~ 3,3 ~ 4,3
		~ 1,50 ~ 2,530	3,4 4,5	~ 3,6 ~ 4,6
Aggregate	~ 100	~ 1,90 ~ 3,190	2,9 3,8	~ 2,9 ~ 3,8
		~ 1,70 ~ 2,870	3,1 4,1	~ 3,1 ~ 4,1
		~ 1,50 ~ 2,530	3,4 4,5	~ 3,4 ~ 4,5
Rock	≤ 100	~ 1,80 ~ 3,030	2,7 3,5	~ 2,7 ~ 3,5










The size of rock buckets is optimized for optimal penetration and filling capability rather than the density of the material.

Type of boom	Type of bucket	ISO/SAE bucket volume	L110F	Material density (t/m ³)	0,6	0,8	1,0	1,2	1,4	1,6	1,8	2,0
Standard boom	General purpose	H 2,9 m ³								3,2	2,9	
		P 3,1 m ³								3,4	3,1	
		P 3,4 m ³							3,7	3,4		
	Rock	P 2,7 m ³									2,7	2,6
Long boom	Light material	H 5,5 m ³		5,5								
		P 2,8 m ³								2,9	2,8	
		H 5,5 m ³		5,5								

How to read bucket fill factor

Supplemental Operating Data

Tires 23.5 R25 L3		Standard boom		Long boom	
		23.5 R25 L5	750/65 R25	750/65 R25	
Width over tires	mm	+30	+200	+200	
	in	+1,2	+8	+8	
Ground clearance	mm	+50	±0	±0	
	in	+2	±0	±0	
Tipping load, full turn	kg	+490	+430	+310	
	lb	+1,080	+950	+680	
Operating weight	kg	+670	+630	+640	
	lb	+1,480	+1,390	+1,410	

GENERAL PURPOSE												ROCK*	LIGHT MATERIAL		LONG BOOM
Tires 23.5 R25 L3															
															
		Teeth	Bolt-on edges	Teeth	Bolt-on edges	Bolt-on edges	Bolt-on edges	Teeth & Segments	Bolt-on edges	Bolt-on edges					
Volume, heaped ISO/SAE	m³	3,0	3,1	3,3	3,4	3,4	3,6	3,0	5,5	9,5	-				
	yd³	3,9	4,1	4,3	4,4	4,4	4,7	3,9	7,2	12,4	-				
Volume at 110% fill factor	m³	3,3	3,4	3,6	3,7	3,7	4,0	3,3	6,1	10,5	-				
	yd³	4,3	4,5	4,7	4,9	4,9	5,2	4,3	7,9	13,7	-				
Static tipping load, straight	kg	14 540	13 580	13 590	14 240	13 910	13 340	14 500	12 700	12 840	-2630				
	lb	32,060	29,930	29,960	31,390	30,680	29,410	31,980	28,010	28,320	-5,800				
at 35° turn	kg	12 920	12 010	12 030	12 620	12 310	11 780	12 860	11 180	11 270	-2390				
	lb	28,480	26,490	26,530	27,820	27,140	25,980	28,350	24,650	24,860	-5,270				
at full turn	kg	12 440	11 550	11 570	12 140	11 830	11 330	12 370	10 730	10 810	-2320				
	lb	27,430	25,470	25,520	26,770	26,090	24,970	27,280	23,660	23,840	-5,115				
Breakout force	kN	170,1	148,5	148,8	164,0	151,0	138,0	138,6	112,0	97,8	+6				
	lbf	38,240	33,390	33,450	36,870	33,960	31,020	31,170	25,190	22,000	+1,350				
A	mm	8200	8150	8380	8020	8130	8270	8390	8610	8920	+500				
	ft in	26'11"	26'9"	27'6"	26'4"	26'8"	27'2"	27'6"	28'3"	29'3"	+1,640				
E	mm	1370	1380	1530	1200	1300	1430	1520	1740	2010	+30				
	ft in	4'6"	4'4"	5'0"	3'11"	4'3"	4'8"	5'0"	5'8"	6'7"	+0,100				
H**)	mm	2800	2820	2680	2910	2840	2740	2690	2470	2260	+510				
	ft in	9'2"	9'3"	8'9"	9'7"	9'4"	9'0"	8'10"	8'1"	7'5"	+1,670				
L	mm	5610	5670	5730	5690	5750	5780	5890	5900	6060	+520				
	ft in	18'5"	18'7"	18'10"	18'8"	18'10"	19'0"	19'4"	19'4"	19'10"	+1,710				
M**)	mm	1330	1270	1460	1170	1250	1350	1440	1560	1760	-30				
	ft in	4'4"	4'2"	4'9"	3'10"	4'1"	4'5"	4'9"	5'1"	5'9"	-0,100				
N**)	mm	1880	1830	1930	1780	1820	1860	1920	1880	1900	+430				
	ft in	6'2"	6'0"	6'4"	5'10"	6'0"	6'1"	6'4"	6'2"	6'3"	+1,410				
V	mm	2880	2880	2880	3000	3000	2880	2880	3000	3400	-				
	in	113"	113"	113"	118"	118"	113"	113"	118"	133"	-				
a, clearance circle	mm	12 780	12 740	12 880	12 780	12 830	12 800	12 890	13 120	13 660	-				
	ft in	41'11"	41'9"	42'3"	41'11"	42'1"	42'0"	42'3"	43'1"	44'10"	-				
Operating weight	kg	18 980	19 310	19 270	19 200	19 380	19 430	20 010	19 630	19 950	+190				
	lb	41,860	42,590	42,490	42,340	42,740	42,850	44,130	43,280	43,990	+420				

*) With L5 tires

**) Measured to the tip of the bucket teeth or bolt-on edge. Dump height to bucket edge.
Measured at 45° dump angle. (Spade nose buckets at 42°)

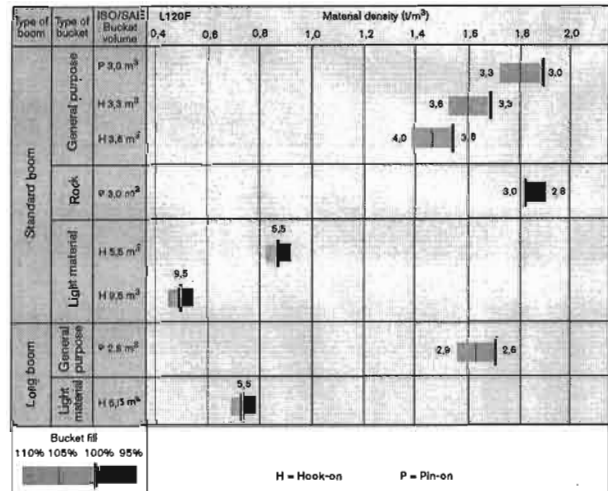
Note: This only applies to genuine Volvo attachments.

Bucket Selection Chart

The chosen bucket is determined by the density of the material and the expected bucket fill factor. The actual bucket volume is often larger than the rated capacity, due to the features of the TP Linkage, including an open bucket design, good rollback angles in all positions and good bucket filling performance. The example represents a standard boom configuration.
Example: Sand and gravel. Fill factor ~ 105%. Density 1,65 t/m³ (2,780 lb/yd³). **Result:** The 3,3 m³ (4,3 yd³) bucket carries 3,5 m³ (4,6 yd³). For optimal stability always consult the bucket selection chart.

Material	Bucket fill, %		Material density, t/m ³ lb/yd ³	ISO/SAE bucket volume, m ³ yd ³	Actual volume, m ³ yd ³
Earth/Clay	~ 110		~ 1,70 ~ 2,870	3,0 3,9	~ 3,3 ~ 4,3
			~ 1,50 ~ 2,530	3,3 4,3	~ 3,6 ~ 4,7
			~ 1,40 ~ 2,360	3,6 4,7	~ 4,0 ~ 5,2
Sand/Gravel	~ 105		~ 1,60 ~ 2,690	3,0 3,9	~ 3,1 ~ 4,1
			~ 1,65 ~ 2,780	3,3 4,3	~ 3,5 ~ 4,6
			~ 1,50 ~ 2,530	3,6 4,7	~ 3,8 ~ 5,0
Aggregate	~ 100		~ 1,90 ~ 3,190	3,0 3,9	~ 3,0 ~ 3,9
			~ 1,70 ~ 2,870	3,3 4,3	~ 3,3 ~ 4,3
			~ 1,60 ~ 2,690	3,6 4,7	~ 3,6 ~ 4,7
Rock	≤ 100		~ 1,80 ~ 3,030	3,0 3,9	~ 3,0 ~ 3,9

The size of rock buckets is optimized for optimal penetration and filling capability rather than the density of the material.



Supplemental Operating Data

Tires 23.5 R25 L3		Standard boom		Long boom
		23.5 R25 L5	750/65 R25	750/65 R25
Width over tires	mm in	+30 +1.2	+100 +4	+200 +8
Ground clearance	mm in	+50 +2	+10 +0.4	+10 +0.4
Tipping load, full turn	kg lb	+450 +990	+380 +840	+330 +730
Operating weight	kg lb	+680 +1,500	+640 +1,410	+640 +1,410



VOLVO CONSTRUCTION EQUIPMENT MORE CARE. BUILT IN.

Volvo Construction Equipment › Products › Hydraulic Excavators › Crawler excavators › EC210C



More power. More strength. Less fuel.

This Volvo excavator delivers maximum performance, maximum productivity, remarkable fuel economy. The Volvo EC210C has outstanding digging and lifting forces powered by its high torque engine and a unique hydraulic system.

The Volvo hydraulic quick-coupler gives you the ability to change attachments quickly and easily from inside the roomy, quiet, and comfortable cab – and adds remarkable flexibility to your job requirements.

© copyright AB Volvo 2009



(f)



S175 Skid-Steer Loader

The S175 is the beginning of the vertical lift path line up. This entry level machine is very maneuverable in tight areas, has ample auxiliary hydraulic flow to run the majority of attachments, and has excellent reach at the top of its lift cycle for loading trucks or pallet fork applications. Great all around visibility, plus easy maneuverability in tight areas and fast cycle times add to your productivity.



S175 Skid-Steer Loader

Model Sections

[Specifications \(#specs\)](#)

[Gallery \(#gallery\)](#)

[Approved Attachments \(#attachment\)](#)

	S175
Engine Cooling	Liquid
Emissions Tier (EPA)	Interim Tier 4
Engine Fuel	Diesel
Horsepower	49 HP
Turbocharged Engine	No
Rated Operating Capacity (SAE)	1750 lbs
ROC with Counterweight Option	1850 lbs
Tipping Load	4076 lbs
Operating Weight	6220 lbs
Travel Speed	7.3 mph
Travel Speed (2-speed option)	11.1 mph

	S175
Fuel Tank	24 gal
Pump Capacity	16.9 GPM
Auxiliary Std Flow	16.9 GPM
Auxiliary High Flow	N/A
Length	101.8 in
Length with Standard Bucket	130.3 in
Width	66 in
Width (with bucket)	68 in
Height	76.3 in
Height with Operator Cab	76.3 in
Height to Bucket Hinge Pin	118.2 in
Reach @ Maximum Height	29.6 in
Turning Radius	78.8 in
Wheelbase	40.6 in
Joystick Control	opt
Air Conditioning	n/a
Backup Alarm	std
BICS System (Interlock)	std
Cab Enclosure	opt
Cab Heater	opt
Suspension Seat	opt
Deluxe Instrumentation	opt
Engine Shutdown	std
Hydraulic Bucket Positioning	opt
High Flow Option	n/a
Auxiliary Hydraulics	std
Bob-Tach Attachment System	std
Power Bob-Tach	opt
Ride Control	opt
Horn	std
Chain Size Final	#80 HSOC

Models

Model Overview (/loaders/models/model)

APPENDIX F

Financial Assurance Documentation

CLOSURE COST ESTIMATE

Facility Name: Vista Materials Recovery Facility

Facility Location: 242 West Keene road, Apopka, Florida

Applicant / Permittee: Waste Management Inc. of Florida

Application / Permit No: _____

WACS ID No: _____

COST DETAILS

- Pick-up of Stored Processed Waste¹ (1,000 cubic yards): \$ 1,000.00
- Pick-up of Stored Unprocessed Waste² (0 cubic yards): \$ 0.00
- Transportation of Processed Waste to an Appropriate Facility: \$10,000.00
- Transportation of Unprocessed Waste to an Appropriate Facility: \$ 0.00
- Tipping Fee³ (disposal cost) for 1,000 cubic yards of Processed Waste: \$19,690.00
- General Site Cleaning: \$ 1,000.00
- Miscellaneous: \$ 0.00

TOTAL COST: \$31,690.00

- Notes: (1) Stored processed waste consists of recovered recyclable materials.
(2) No unprocessed waste will be stored on-site.
(3) Tipping fee is for disposal at a Class III landfill facility.

11/30/09 [Signature]
Date Signature
(Professional Engineer)

Raymond J. Chewning, P.E.
Name and Title

12/9/09 [Signature]
Date Signature
(Owner/Operator)

Irv Slike, District Manager
Name and Title

Florida License No: 63782

Mailing Address: 11295 3rd Street East
Treasure Island, FL 33706

Telephone No: (770) 364-1304

Mailing Address: 242 W. Keene Road
Apopka, FL 32703

Telephone No: (407) 886-2920

APPENDIX G

Environmental Resources Permit



Department of Environmental Protection

Jeb Bush
Governor

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Colleen Castille
Secretary

NOTICE OF PERMIT

In the Matter of an
Application for Permit by:

Buttrey Development Four, LLC
6239 Edgewater Drive, Suite D-1
Orlando, Florida 32810

Attention: John Buttrey, Manager

Orange County - ERP
Buttrey Keene Road Borrow Pit
File No. 48-0187635-005
Modification of Permit ERP48-0187635 001 EI

Dear Mr. Buttrey:

Enclosed is Permit Number ERP48-0111044-005-EM to construct a surface water management system associated with the expansion of a high-rise Class III landfill. This portion of the landfill will be constructed in the footprint of a 40-acre borrow pit, and it will be connected to an existing, adjacent section of landfill, identified as BD3. This project is located in Orange County, within Section 28, Township 21 South, Range 28 East, at 3029 McQueen Road, Apopka. This permit is issued pursuant to Section 373.118, 373.413, 373.416, and 373.426, *Florida Statutes* (F.S.) and Rules 40C-4, 40C-40, 40C-42, 62-312, and 62-343, *Florida Administrative Code* (F.A.C.).

Pursuant to Operating Agreements executed between the Department and the water management districts, as referenced in Chapter 62-113, F.A.C., the Department is responsible for reviewing this application.

Any party to this Order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000; and by filing a copy of the notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this notice is filed with the Clerk of the Department.

Mediation under section 120.573 of the Florida Statutes is not available for this proceeding.

If there are any questions, please contact Debra Laisure, P.E., of the Submerged Lands and Environmental Resource Program by telephone (407/893-7874), fax (407/893-3075), or internet (Debra.Laisure@dep.state.fl.us).

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION




for

Vivian F. Garfein
Director, Central District

Date of Issue: August 30, 2005

VG/db/dl

FILING AND ACKNOWLEDGEMENT FILED, on this date, pursuant to §120.52(11), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.



August 30, 2005

Clerk

Date

Enclosure: Permit No. ERP48-01110444-003-EM

Copies furnished to: David Dewey., SJRWMD (Altamonte Springs) (email)
Chris Schumacher, P.E., Applied Technology & Management, Inc. (email)

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on August 30, 2005 to the listed persons by Carol O'Keefe.

Rev. 4/91



Department of Environmental Protection

Jeb Bush
Governor

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Colleen Castille
Secretary

PROJECT INFORMATION:

Permit Number: ERP48-0187635-005-EM
Expiration Date: August 15, 2010
County: Orange
Latitude: 28° 37' 51.36"N
Longitude: 81° 30' 55.91"W
Section 28/Township 21 South/Range 28 East
Project: Buttrey Keene Road Borrow Pit

PERMITTEE:

Buttrey Development Four, LLC
6239 Edgewater Drive, Suite D-1
Orlando, Florida 32810

Attn: John Buttrey, Manager

Orange County - ERP
DEP File Number: 48-0187635-005
Modification of Permit ERP48-0187635-001-EI

Dear Mr. Buttrey:

This permit modification is issued under the provisions of Part IV of Chapter 373, *Florida Statutes* (F.S.) and Chapters 62.4, 62-302, 62-312, 62-330, 62-343, 62-101.040, 40C-4, 40C-40, and 40C-42, *Florida Administrative Code* (F.A.C.). The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

Construct and Operate: a surface water management system associated with the expansion of a high-rise Class III landfill. This portion of the landfill will be constructed in the footprint of a 40-acre borrow pit, and it will be connected to an existing, adjacent section of landfill, identified as BD3. The project is located at 3029 McQueen Road, Apopka, Orange County, Florida. The surface water management system for this portion of the landfill will be a system of swales constructed around the perimeter of the landfill. The swale system will have 3:1 (H:V) side slopes and the capacity to hold the runoff volume from the 100-yr/24-hr storm onsite.

The 6 accompanying figures will be attached to, and become a part of, this permit.

Permittee: Buttrey Development Four, LLC
Attention: John Buttrey, Manager

Permit Number: ERP48-0187635-005-EM
Expiration Date: August 15, 2010

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violations of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
 - (a) Have access to and copy any records that must be kept under conditions of the permit;
 - (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
 - (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.Reasonable time may depend on the nature of the concern being investigated.
8. If, for any reason, the permittee does not comply with or will be unable to comply with any conditions or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
 - (a) A description of and cause of noncompliance; and
 - (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

Permittee: Buttrey Development Four, LLC
Attention: John Buttrey, Manager

Permit Number: ERP48-0187635-005-EM
Expiration Date: August 15, 2010

GENERAL CONDITIONS:

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Section 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-30.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
 - () Determination of Best Available Control Technology (BACT)
 - () Determination of Prevention of Significant Deterioration (PSD)
 - () Certification of compliance with state Water Quality Standards (Section 401, PL 92-500)
 - () Compliance with New Source Performance Standards.
14. The permittee shall comply with the following:
 - (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
 - (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date the sample, measurement, report, or application unless otherwise specified by Department rule.
 - (c) Records of monitoring information shall include:
 1. the date, exact place, and time of sampling or measurements;
 2. the person responsible for performing the sampling or measurements;
 3. the dates analyses were performed;
 4. the person responsible for performing the analyses;
 5. the analytical techniques or methods used;
 6. the results of such analyses.
15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

Permittee: Buttrey Development Four, LLC
Attention: John Buttrey, Manager

Permit Number: ERP48-0187635-005-EM
Expiration Date: August 15, 2010

SPECIFIC CONDITIONS:

PERMIT ALTERATIONS

1. All construction, operation, and maintenance shall be as set forth in the plans, specifications and performance criteria contained in the Department's files and approved by this permit. Any alteration or modification to the stormwater system as permitted requires prior approval from the Department.
2. At least 48 hours prior to the commencement of construction activities authorized by this permit, the permittee shall submit to the Department a notice of commencement indicating the start time.
3. If any other regulatory agency should require revisions or modifications to the permitted project, the Department is to be notified of the revisions so that a determination can be made whether a permit modification is required.
4. Permittee must obtain a permit from the Department prior to beginning construction of subsequent phases or any other work associated with this project not specifically authorized by this permit.

SITE INSPECTION BY DEP STAFF

5. Department-authorized staff, upon proper identification, will have permission to enter, inspect, and observe the system to insure conformity with the plans and specifications approved by the permit. The plans are on file in the Central District Office of the Department of Environmental Protection.

WATER QUALITY

6. Turbidity must be controlled to prevent violations of water quality pursuant to Rule 62-302.530(70), *Florida Administrative Code*. Turbidity shall not exceed 29 Nephelometric Turbidity Units above natural background conditions. Turbidity barriers shall be correctly installed at all locations where the possibility of transferring suspended solids into the receiving waterbody exists due to the proposed work. It is understood that "receiving waterbody" shall not be construed to mean the permittee's settling pond, dredge lake, or other parts of the permittee's closed water system. Turbidity barriers shall remain in place at all locations until construction is completed, soils are stabilized, and vegetation has been established.

Upon final completion of the project and upon reasonable assurance that the project is no longer a potential turbidity source, the permittee will be responsible for the removal of the barriers.

Permittee: Buttrey Development Four, LLC
Attention: John Buttrey, Manager

Permit Number: ERP48-0187635-005-EM
Expiration Date: August 15, 2010

SPECIFIC CONDITIONS:

INSPECTION REPORTS

7. Inspection reports for retention, underdrain, wet detention, swales, and wetland stormwater management systems shall be submitted to the Department two years after completion of construction and every two years thereafter on the enclosed form.

CONSTRUCTION DETAILS

9. The permittee shall require the contractor to review and to maintain in good condition at the construction site a copy of this permit complete with all conditions, attachments, exhibits, and permit modifications issued for this permit. The complete permit copy must be available for review upon request by Department representatives.
10. Before any offsite discharge from the stormwater management system occurs, the retention and detention storage must be excavated to rough grade prior to building construction or placement of impervious surface within the area served by those systems.
11. Adequate measures must be taken to prevent siltation of these treatment systems and control structures during construction or siltation must be removed prior to final grading and stabilization.

EROSION CONTROL MEASURES

12. Prior to and during construction, the permittee shall correctly implement and maintain all erosion and sediment control measures (best management practices) required to retain sediment on-site and to prevent violations of state water quality standards. All practices must be in accordance with the guidelines and specifications in chapter 6 of the Florida Land Development Manual: A Guide to Sound Land and Water Management (FDEP 1988), which are hereby incorporated by reference, unless a project specific erosion and sediment control plan is approved as part of the permit, in which case the practices must be in accordance with the plan.

If site specific conditions require additional measures during any phase of construction or operation to prevent erosion or control sediment, beyond those specified in the erosion and sediment control plan, the permittee shall implement additional best management practices as necessary, in accordance with the specification in chapter 6 of the Florida Land Development Manual: A Guide to Sound Land and Water Management (FDEP 1988). The permittee shall correct any erosion or shoaling that causes adverse impacts to the water courses.

Permittee: Buttrey Development Four, LLC
Attention: John Buttrey, Manager

Permit Number: ERP48-0187635-005-EM
Expiration Date: August 15, 2010

SPECIFIC CONDITIONS:

13. The following measures shall be taken to minimize erosion:

- A. Swales and dry ponds: sodding of all side slopes; seeding and mulching of flat-lying bottom areas;
- B. Berms and other disturbed flat-lying areas: seed and mulch.

Stabilization measures shall be initiated for erosion and sediment control on disturbed areas as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than seven (7) days after the construction activity in that portion of the site has temporarily or permanently ceased.

14. All wetland areas or water bodies which are outside of the specific limits of construction authorized by this permit must be protected from erosion, siltation, scouring or excess turbidity and dewatering.

SUBMITTAL OF AS-BUILT PLANS

- 15. Within 30 days after completion of construction of the surface water management system, the permittee shall submit the enclosed form and two sets of record drawings of the project as actually constructed thereby notifying the Department that the facility is ready for final inspection and approval. The permit will be converted from a construction permit to an operation permit once the project is determined to be in compliance with the permitted plans and with conditions provided in Rule 40C-42.028, F.A.C.
- 16. The location of at least one bench mark (and its corresponding elevation) per stormwater pond should be placed in the vicinity of each outfall structure and will be clearly shown on the as-built plans provided to the Department.
- 17. If the system is not functioning as designed and permitted, operational maintenance must be performed immediately to restore the system. If operational maintenance measures are insufficient to enable the system to meet the design and performance standards of this chapter, the permittee must either replace the system or construct an alternative design. A permit modification must be obtained from the Department prior to constructing such an alternate design pursuant to section 40C-4.331, F.A.C.

Permittee: Buttrey Development Four, LLC
Attention: John Buttrey, Manager

Permit Number: ERP48-0187635-005-EM
Expiration Date: August 15, 2010

SPECIFIC CONDITIONS:

MAINTENANCE ACTIVITIES

18. The following maintenance activities shall be performed as needed on

- A. All permitted systems:
 - 1. Removal of trash and debris;
 - 2. Inspection of inlets and outlets;
 - 3. Removal of sediments when the storage volume or conveyance capacity of the stormwater management system is below design levels; and
 - 4. Stabilization and restoration of eroded areas.
- B. Retention, swale, and underdrain systems:
 - 1. Mowing and removal of grass clippings;
 - 2. Aeration, tilling, or replacement of topsoil; and
 - 3. Re-establishment of vegetation on disturbed surfaces.
- C. Wet detention systems:
 - 1. Replanting of natural vegetation within the littoral zone; and
 - 2. Control of nuisance and exotic vegetation.

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



for

Vivian F. Garfein
Director, Central District

Date of Issue: August 30, 2005

14. It is the Contractor's responsibility to obtain a copy of the Contractor's Engineer's report for this project from GTC Engineering Corporation and send the Geotechnical Engineer's recommendations for soil preparation on the site. The Contractor's Geotechnical Engineer shall notify all the utility and roadway organizations as well as understand and prepared coordination in GTC Engineering Corporation. Geotechnical recommendations are not the responsibility of GTC Engineering Corporation. GTC Engineering Corporation has relied on the geotechnical report in the preparation of the plans. Any omitted technical information within the report and from others shall be reported to the Engineer under Contract. GTC Engineering Corporation assumes no liability for the contractor's interpretation, misinterpretation, or accuracy of the geotechnical information.
15. During construction, no direct discharge of water will be allowed to downstream receiving waters. The Contractor is responsible for water quality and shall store discharges in such a manner to adequately receive all flows from the site.
20. **Excavation Control Notes**
- Provide reference temporary and permanent excavation control following the requirements in Section 104 of the State of Florida Department of Transportation Standard Specifications for Road and Bridge Construction, 2000 Edition (FDOT Section 104-0).
 - Control features, methods and conditions included in this contract include the following as indicated by X in the list:
 - X Observe excavation of temporary erosion control features with permanent erosion control features.
 - X Control operations which result in water pollution (FDOT Section 104-2).
 - X Provide methods for clearing and grubbing, overhead operations and construction of permanent erosion control features and proposed use of temporary erosion control features (FDOT Section 104-3).
 - Limitation of temporary erosion with critical temporary or permanent erosion control features in adjacent to (FDOT Section 104-4.1).
 - X Temporary grading (FDOT Section 104-4.2).
 - X Temporary seal (FDOT Section 104-4.3).
 - X Temporary mulching (FDOT Section 104-4.4).
 - Slope erosion (FDOT Section 104-4.5).
 - Sediment traps (FDOT Section 104-4.6).
 - Artificial channels (FDOT Section 104-4.7).
 - X Storm (FDOT Section 104-4.8).
 - Erosion bars or dikes (FDOT Section 104-4.9).
 - Temporary soil erosion and storm (FDOT Section 104-4.10).
 - Floating or debris (FDOT Section 104-4.11).
 - Remove temporary erosion control features (FDOT Section 104-4.12).
 - Maintain permanent and temporary erosion control features (FDOT Section 104-4.13).
 - TMA contract design has been approved by the OWNER and regulatory agencies having an interest in water control treatment. The design is the final result of various regulatory agencies. All temporary erosion control features, methods and design conditions shall be constructed by the Contractor, and the final plan included in the CONTRACT shall be a regular obligation included in the work.
- c. The Contractor is to submit an erosion control plan to the City of Apalachee Engineer for

20. Miscellaneous Engineer Modifications
 21. The Contractor shall keep DAILY "as-built" drawings reflecting the actual work on the Piling and Drilling, Drilling and/or Water Ditch Logs. Placed at As-built in accordance RSD 16.
 22. Before the start of construction, the Contractor shall prepare and submit to the Engineer a project construction schedule (Bar Chart) and update the schedule monthly.
 23. The Contractor shall coordinate all contract operations with the Resident Civil/Structural Engineer and submit and report to the Engineer prior to beginning work on the next item of work.
 24. The Engineer reserves the right to require the Contractor to perform any other necessary or proper duty the Engineer may have been instructed to execute in order to carry out the plans and specifications.
 25. Any discrepancies between the drawings and measurements shown on the plans and the actual field conditions after forwarding the brought to the Engineer's attention. Failure to do so shall make the Contractor completely liable for whatever costs appropriations that may be subsequently arise.
 26. It will be the responsibility of the Contractor(s) to ensure that all needed parties are obtained and are present at the job site prior to the commencement of construction. Contractor shall obtain all conditions contained therein. Penalties included that not necessarily listed but may include:
 - a. At Least Nine (9) Hour Management Office, Management and Storage of Surface Waters,
 - b. Local environmental codes.
 27. The Contractor shall be responsible for protecting of existing survey monuments. Observed deterioration will be repaired by a Florida-licensed land surveyor indicated by the Owner at the Contractor's expense.
 28. The quantity and lengths of materials shown on plans should be verified by the Contractor. Any discrepancy between actual and listed shown in plan view is to be brought to the Engineer's attention by the Contractor prior to starting. It is the Engineer's intention to hold the contractor to the quantities shown.
 29. The Contractor is to routinely provide monitoring reports per agreed conditions at N.P.D.E.S. General Permit.
 30. Record Drawings. At the end of construction, the Contractor shall provide one (1) set of drawings showing ALL CHANGES without it was prepared with the As-built Contractor Contract was used on CHANGES.
- The Contractor:**
- Jointly certifies to the OWNER that the drawings submitted by this drawing and the related details have been reviewed as indicated or as modified by the owner and graphics shown. As such, it is agreeable to the contract, the improvements have been constructed according to the drawings and
- _____
Signature
- _____
Date

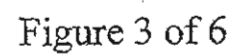
The Contractor has been advised that the CHS&B Part 1 project has been covered by the drawing and the related detail have been constructed as indicated or as modified by the notes and graphics shown. As noted a note or graphic to the contrary, the improvements have been constructed exactly as indicated and no other improvements have been constructed.

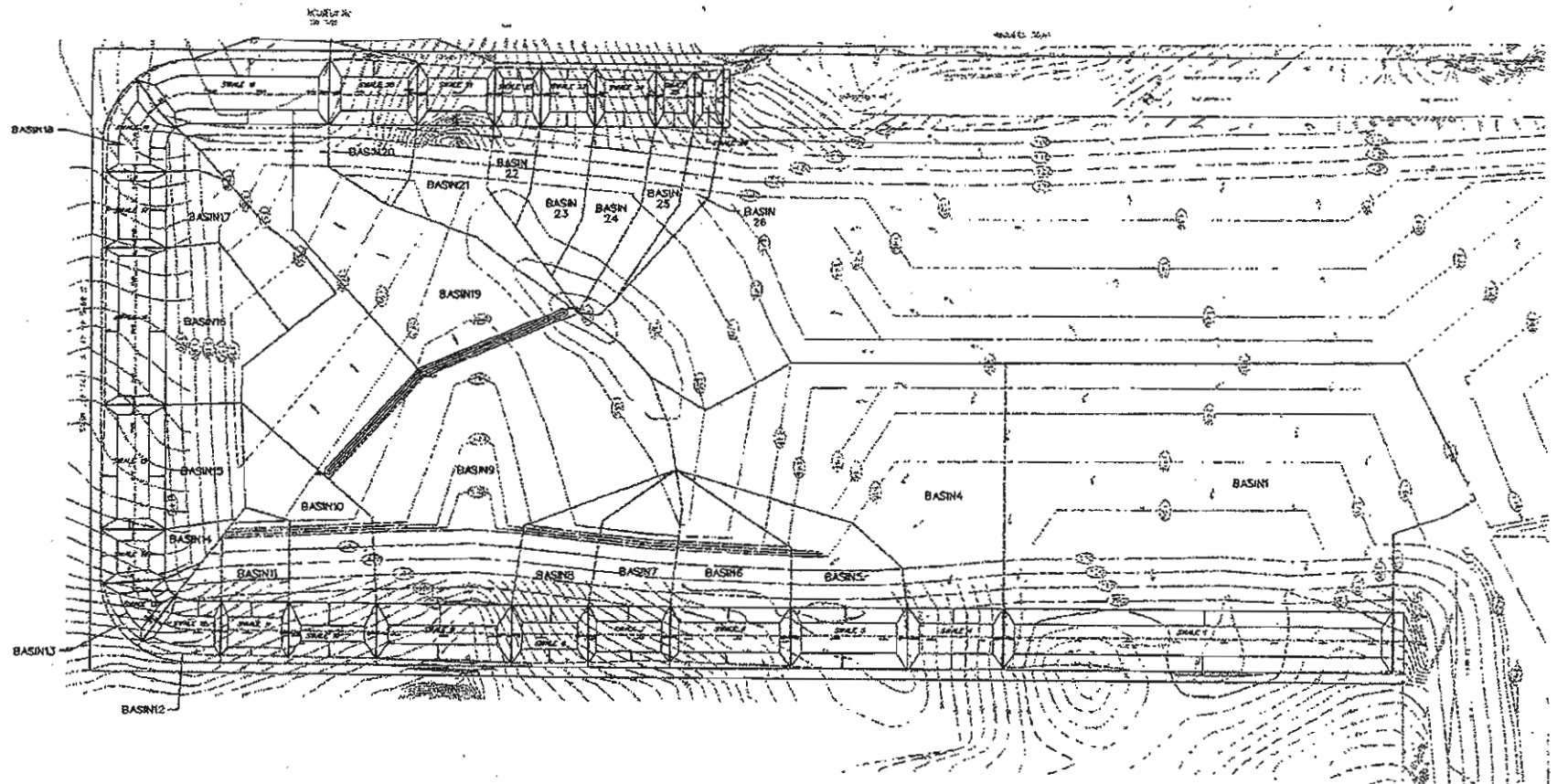
Signature _____

APR 28 2005

1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 31-32 33-34 35-36 37-38 39-40 41-42 43-44 45-46 47-48 49-50 51-52 53-54 55-56 57-58 59-60 61-62 63-64 65-66 67-68 69-70 71-72 73-74 75-76 77-78 79-80 81-82 83-84 85-86 87-88 89-90 91-92 93-94 95-96 97-98 99-100 101-102 103-104 105-106 107-108 109-110 111-112 113-114 115-116 117-118 119-120 121-122 123-124 125-126 127-128 129-130 131-132 133-134 135-136 137-138 139-140 141-142 143-144 145-146 147-148 149-150 151-152 153-154 155-156 157-158 159-160 161-162 163-164 165-166 167-168 169-170 171-172 173-174 175-176 177-178 179-180 181-182 183-184 185-186 187-188 189-190 191-192 193-194 195-196 197-198 199-200 201-202 203-204 205-206 207-208 209-210 211-212 213-214 215-216 217-218 219-220 221-222 223-224 225-226 227-228 229-230 231-232 233-234 235-236 237-238 239-240 241-242 243-244 245-246 247-248 249-250 251-252 253-254 255-256 257-258 259-260 261-262 263-264 265-266 267-268 269-270 271-272 273-274 275-276 277-278 279-280 281-282 283-284 285-286 287-288 289-290 291-292 293-294 295-296 297-298 299-300 301-302 303-304 305-306 307-308 309-310 311-312 313-314 315-316 317-318 319-320 321-322 323-324 325-326 327-328 329-330 331-332 333-334 335-336 337-338 339-340 341-342 343-344 345-346 347-348 349-350 351-352 353-354 355-356 357-358 359-360 361-362 363-364 365-366 367-368 369-370 371-372 373-374 375-376 377-378 379-380 381-382 383-384 385-386 387-388 389-390 391-392 393-394 395-396 397-398 399-400 401-402 403-404 405-406 407-408 409-410 411-412 413-414 415-416 417-418 419-420 421-422 423-424 425-426 427-428 429-430 431-432 433-434 435-436 437-438 439-440 441-442 443-444 445-446 447-448 449-450 451-452 453-454 455-456 457-458 459-460 461-462 463-464 465-466 467-468 469-470 471-472 473-474 475-476 477-478 479-480 481-482 483-484 485-486 487-488 489-490 491-492 493-494 495-496 497-498 499-500 501-502 503-504 505-506 507-508 509-510 511-512 513-514 515-516 517-518 519-520 521-522 523-524 525-526 527-528 529-530 531-532 533-534 535-536 537-538 539-540 541-542 543-544 545-546 547-548 549-550 551-552 553-554 555-556 557-558 559-560 561-562 563-564 565-566 567-568 569-570 571-572 573-574 575-576 577-578 579-580 581-582 583-584 585-586 587-588 589-590 591-592 593-594 595-596 597-598 599-600 601-602 603-604 605-606 607-608 609-610 611-612 613-614 615-616 617-618 619-620 621-622 623-624 625-626 627-628 629-630 631-632 633-634 635-636 637-638 639-640 641-642 643-644 645-646 647-648 649-650 651-652 653-654 655-656 657-658 659-660 661-662 663-664 665-666 667-668 669-670 671-672 673-674 675-676 677-678 679-680 681-682 683-684 685-686 687-688 689-690 691-692 693-694 695-696 697-698 699-700 701-702 703-704 705-706 707-708 709-710 711-712 713-714 715-716 717-718 719-720 721-722 723-724 725-726 727-728 729-730 731-732 733-734 735-736 737-738 739-740 741-742 743-744 745-746 747-748 749-750 751-752 753-754 755-756 757-758 759-760 761-762 763-764 765-766 767-768 769-770 771-772 773-774 775-776 777-778 779-780 781-782 783-784 785-786 787-788 789-790 791-792 793-794 795-796 797-798 799-800 801-802 803-804 805-806 807-808 809-810 811-812 813-814 815-816 817-818 819-820 821-822 823-824 825-826 827-828 829-830 831-832 833-834 835-836 837-838 839-840 841-842 843-844 845-846 847-848 849-850 851-852 853-854 855-856 857-858 859-860 861-862 863-864 865-866 867-868 869-870 871-872 873-874 875-876 877-878 879-880 881-882 883-884 885-886 887-888 889-890 891-892 893-894 895-896 897-898 899-900 901-902 903-904 905-906 907-908 909-910 911-912 913-914 915-916 917-918 919-920 921-922 923-924 925-926 927-928 929-930 931-932 933-934 935-936 937-938 939-940 941-942 943-944 945-946 947-948 949-950 951-952 953-954 955-956 957-958 959-960 961-962 963-964 965-966 967-968 969-970 971-972 973-974 975-976 977-978 979-980 981-982 983-984 985-986 987-988 989-990 991-992 993-994 995-996 997-998 999-1000	1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 31-32 33-34 35-36 37-38 39-40 41-42 43-44 45-46 47-48 49-50 51-52 53-54 55-56 57-58 59-60 61-62 63-64 65-66 67-68 69-70 71-72 73-74 75-76 77-78 79-80 81-82 83-84 85-86 87-88 89-90 91-92 93-94 95-96 97-98 99-100 101-102 103-104 105-106 107-108 109-110 111-112 113-114 115-116 117-118 119-120 121-122 123-124 125-126 127-128 129-130 131-132 133-134 135-136 137-138 139-140 141-142 143-144 145-146 147-148 149-150 151-152 153-154 155-156 157-158 159-160 161-162 163-164 165-166 167-168 169-170 171-172 173-174 175-176 177-178 179-180 181-182 183-184 185-186 187-188 189-190 191-192 193-194 195-196 197-198 199-200 201-202 203-204 205-206 207-208 209-210 211-212 213-214 215-216 217-218 219-220 221-222 223-224 225-226 227-228 229-230 231-232 233-234 235-236 237-238 239-240 241-242 243-244 245-246 247-248 249-250 251-252 253-254 255-256 257-258 259-260 261-262 263-264 265-266 267-268 269-270 271-272 273-274 275-276 277-278 279-280 281-282 283-284 285-286 287-288 289-290 291-292 293-294 295-296 297-298 299-300 301-302 303-304 305-306 307-308 309-310 311-312 313-314 315-316 317-318 319-320 321-322 323-324 325-326 327-328 329-330 331-332 333-334 335-336 337-338 339-340 341-342 343-344 345-346 347-348 349-350 351-352 353-354 355-356 357-358 359-360 361-362 363-364 365-366 367-368 369-370 371-372 373-374 375-376 377-378 379-380 381-382 383-384 385-386 387-388 389-390 391-392 393-394 395-396 397-398 399-400 401-402 403-404 405-406 407-408 409-410 411-412 413-414 415-416 417-418 419-420 421-422 423-424 425-426 427-428 429-430 431-432 433-434 435-436 437-438 439-440 441-442 443-444 445-446 447-448 449-450 451-452 453-454 455-456 457-458 459-460 461-462 463-464 465-466 467-468 469-470 471-472 473-474 475-476 477-478 479-480 481-482 483-484 485-486 487-488 489-490 491-492 493-494 495-496 497-498 499-500 501-502 503-504 505-506 507-508 509-510 511-512 513-514 515-516 517-518 519-520 521-522 523-524 525-526 527-528 529-530 531-532 533-534 535-536 537-538 539-540 541-542 543-544 545-546 547-548 549-550 551-552 553-554 555-556 557-558 559-560 561-562 563-564 565-566 567-568 569-570 571-572 573-574 575-576 577-578 579-580 581-582 583-584 585-586 587-588 589-590 591-592 593-594 595-596 597-598 599-600 601-602 603-604 605-606 607-608 609-610 611-612 613-614 615-616 617-618 619-620 621-622 623-624 625-626 627-628 629-630 631-632 633-634 635-636 637-638 639-640 641-642 643-644 645-646 647-648 649-650 651-652 653-654 655-656 657-658 659-660 661-662 663-664 665-666 667-668 669-670 671-672 673-674 675-676 677-678 679-680 681-682 683-684 685-686 687-688 689-690 691-692 693-694 695-696 697-698 699-700 701-702 703-704 705-706 707-708 709-710 711-712 713-714 715-716 717-718 719-720 721-722 723-724 725-726 727-728 729-730 731-732 733-734 735-736 737-738 739-740 741-742 743-744 745-746 747-748 749-750 751-752 753-754 755-756 757-758 759-760 761-762 763-764 765-766 767-768 769-770 771-772 773-774 775-776 777-778 779-780 781-782 783-784 785-786 787-788 789-790 791-792 793-794 795-796 797-798 799-800 801-802 803-804 805-806 807-808 809-810 811-812 813-814 815-816 817-818 819-820 821-822 823-824 825-826 827-828 829-830 831-832 833-834 835-836 837-838 839-840 841-842 843-844 845-846 847-848 849-850 851-852 853-854 855-856 857-858 859-860 861-862 863-864 865-866 867-868 869-870 871-872 873-874 875-876 877-878 879-880 881-882 883-884 885-886 887-888 889-890 891-892 893-894 895-896 897-898 899-900 901-902 903-904 905-906 907-908 909-910 911-912 913-914 915-916 917-918 919-920 921-922 923-924 925-926 927-928 929-930 931-932 933-934 935-936 937-938 939-940 941-942 943-944 945-946 947-948 949-950 951-952 953-954 955-956 957-958 959-960 961-962 963-964 965-966 967-968 969-970 971-972 973-974 975-976 977-978 979-980 981-982 983-984 985-986 987-988 989-990 991-992 993-994 995-996 997-998 999-1000	1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 31-32 33-34 35-36 37-38 39-40 41-42 43-44 45-46 47-48 49-50 51-52 53-54 55-56 57-58 59-60 61-62 63-64 65-66 67-68 69-70 71-72 73-74 75-76 77-78 79-80 81-82 83-84 85-86 87-88 89-90 91-92 93-94 95-96 97-98 99-100 101-102 103-104 105-106 107-108 109-110 111-112 113-114 115-116 117-118 119-120 121-122 123-124 125-126 127-128 129-130 131-132 133-134 135-136 137-138 139-140 141-142 143-144 145-146 147-148 149-150 151-152 153-154 155-156 157-158 159-160 161-162 163-164 165-166 167-168 169-170 171-172 173-174 175-176 177-178 179-180 181-182 183-184 185-186 187-188 189-190 191-192 193-194 195-196 197-198 199-200 201-202 203-204 205-206 207-208 209-210 211-212 213-214 215-216 217-218 219-220 221-222 223-224 225-226 227-228 229-230 231-232 233-234 235-236 237-238 239-240 241-242 243-244 245-246 247-248 249-250 251-252 253-254 255-256 257-258 259-260 261-262 263-264 265-266 267-268 269-270 271-272 273-274 275-276 277-278 279-280 281-282 283-284 285-286 287-288 289-290 291-292 293-294 295-296 297-298 299-300 301-302 303-304 305-306 307-308 309-310 311-312 313-314 315-316 317-318 319-320 321-322 323-324 325-326 327-328 329-330 331-332 333-334 335-336 337-338 339-340 341-342 343-344 345-346 347-348 349-350 351-352 353-354 355-356 357-358 359-360 361-362 363-364 365-366 367-368 369-370 371-372 373-374 375-376 377-378 379-380 381-382 383-384 385-386 387-388 389-390 391-392 393-394 395-396 397-398 399-400 401-402 403-404 405-406 407-408 409-410 411-412 413-414 415-416 417-418 419-420 421-422 423-424 425-426 427-428 429-430 431-432 433-434 435-436 437-438 439-440 441-442 443-444 445-446 447-448 449-450 451-452 453-454 455-456 457-458 459-460 461-462 463-464 465-466 467-468 469-470 471-472 473-474 475-476 477-478 479-480 481-482 483-484 485-486 487-488 489-490 491-492 493-494 495-496 497-498 499-500 501-502 503-504 505-506 507-508 509-510 511-512 513-514 515-516 517-518 519-520 521-522 523-524 525-526 527-528 529-530 531-532 533-534 535-536 537-538 539-540 541-542 543-544 545-546 547-548 549-550 551-552 553-554 555-556 557-558 559-560 561-562 563-564 565-566 567-568 569-570 571-572 573-574 575-576 577-578 579-580 581-582 583-584 585-586 587-588 589-590 591-592 593-594 595-596 597-598 599-600 601-602 603-604 605-606 607-608 609-610 611-612 613-614 615-616 617-618 619-620 621-622 623-624 625-626 627-628 629-630 631-632 633-634 635-636 637-638 639-640 641-642 643-644 645-646 647-648 649-650 651-652 653-654 655-656 657-658 659-660 661-662 663-664 665-666 667-668 669-670 671-672 673-674 675-676 677-678 679-680 681-682 683-684 685-686 687-688 689-690 691-692 693-694 695-696 697-698 699-700 701-702 703-704 705-706 707-708 709-710 711-712 713-714 715-716 717-718 719-720 721-722 723-724 725-726 727-728 729-730 731-732 733-734 735-736 737-738 739-740 741-742 743-744 745-746 747-748 749-750 751-752 753-754 755-756 757-758 759-760 761-762 763-764 765-766 767-768 769-770 771-772 773-774 775-776 777-778 779-780 781-782 783-784 785-786 787-788 789-790 791-792 793-794 795-796 797-798 799-800 801-802 803-804 805-806 807-808 809-810 811-812 813-814 815-816 817-818 819-820 8
---	---	---

Figure 2 of 6





Basin	Area (ac)	CN	Basin	Area (ac)	CN
1	12.51	88	15	1.66	72
4	5.95	84	16	2.34	75
5	1.84	76	17	1.57	82
6	1.83	76	18	0.61	53
7	1.36	78	19	6.88	90
8	1.27	78	20	1.16	68
9	6.56	82	21	1.77	81
10	1.92	83	22	0.65	74
11	0.96	74	23	1.06	81
12	0.66	66	24	1.26	82
13	0.33	46	25	0.87	84
14	0.55	64	26	0.51	79



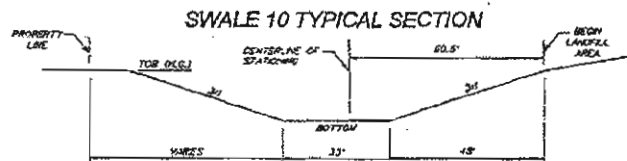
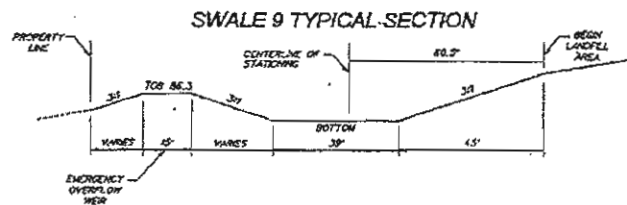
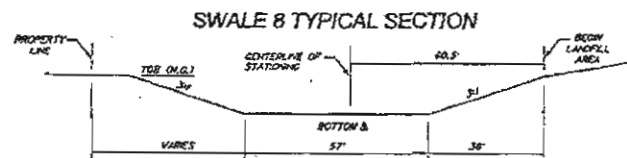
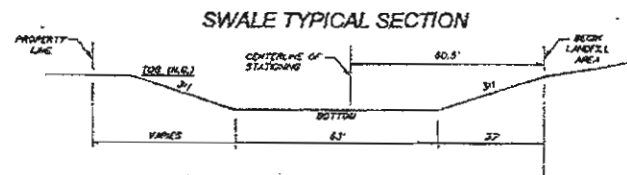
Symbol	Description
[Symbol]	Basin Boundary
[Symbol]	Channel Boundary
[Symbol]	Property Line
[Symbol]	Other

Field	Acquire
Channel	SWP
Property	SWP
Basin	SWP
Other	SWP

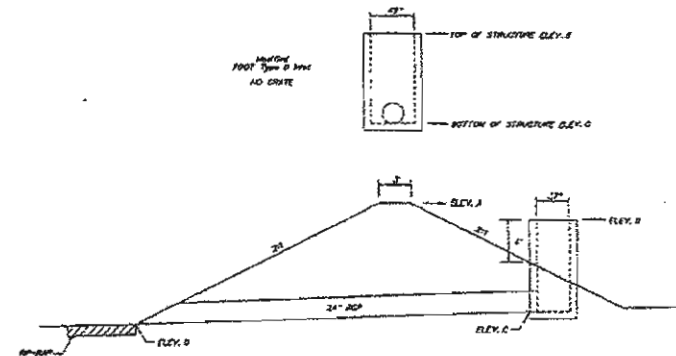
GTC Engineering Corporation
 10000 Highway 100, Suite 100
 Houston, Texas 77055
 Phone: (281) 415-1000
 Fax: (281) 415-1001
 Email: gtc@gtceng.com
 Website: www.gtceng.com

DRAINAGE MAP
 Gutter Development, LLC
 DATE: 04/28/2005
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 SCALE: 1" = 100'

Figure 4 of 6



DROP STRUCTURE DETAIL
(Typical)



Drop Structure Number	Birth Elevation (Elev. A)	Top of Structure (Elev. B)	Upstream Inlet (Elev. C)	Pipe Length (ft)	Downstream Inlet (Elev. D)
3	87.89	88.18	88.40	37	88.35
4	102.73	101.23	91.49	37	91.45
5	102.73	101.23	92.61	34	92.57
6	96.63	95.35	88.70	38	88.67
7	93.45	91.85	83.38	34	83.34
8	88.47	85.97	74.40	42	74.35
9	85.50	85.00	73.34	30	73.30
10	82.54	82.04	78.01	37	77.97
11	82.54	80.85	80.01	20	80.00
12	84.38	82.88	88.12	27	88.09
13	80.64	88.14	88.83	35	88.69
14	102.78	101.28	90.97	38	90.93
15	106.46	104.96	98.88	33	98.84
16	112.91	111.41	103.68	33	103.62
17	115.33	114.03	105.94	32	105.90
18	116.80	117.39	108.75	34	108.71
19	116.89	117.39	107.39	32	107.35
20	114.13	112.53	108.81	27	108.80
21	107.75	106.25	98.05	31	98.01
22	104.75	103.25	95.82	32	95.78
23	100.91	98.17	92.03	31	91.99
24	98.19	95.84	87.72	29	87.69
25	91.78	90.60	84.08	28	84.03

APR 28 2005

PROJECT: LOCATION: DRAWING NO.: DATE: DESIGNED BY: CHECKED BY: SCALE:		GTC Engineering Corporation 1000 Highway 100, Suite 100 Raleigh, NC 27605 Phone: (919) 871-1111 Fax: (919) 871-1112		SHEET: OF: DATE: BY: CHECKED BY:
---	--	--	--	--

Figure 6 of 6



Jeb Bush
Governor

Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

David B. Struhs
Secretary

NOTICE OF PERMIT

CERTIFIED

7001 2510 0000 9619 1570

In the Matter of an
Application for Permit by:
Buttrey Development Three, LLC
6239 Edgewater Drive, Suite D-1
Orlando, Florida 32810

Attention: John Buttrey, Manager

Orange County - ERP
DEP File Number: 48-0187635-001
Keene Road Borrow Pit (Future Class III Landfill)

Dear Mr. Buttrey:

Enclosed is Permit Number ERP48-0187635-001-EI to construct a surface water management system associated with the excavation of a borrow pit, which is intended to serve as the footprint for a future Class III landfill, located on McQueen Road, Apopka, Orange County, Florida, issued pursuant to Section 373.118, 373.413, 373.416, and 373.426, *Florida Statutes* (F.S.) and Rules 62-4, 62-113, 62-302, 62-330, 62-343, 40C-4, 40C-40, 40C-41, and 40C-42, *Florida Administrative Code* (F.A.C.).

Pursuant to Operating Agreements executed between the Department and the water management districts, as referenced in Chapter 62-113, F.A.C., the Department is responsible for reviewing this application.

Mediation under section 120.573 of the Florida Statutes is not available for this proceeding.

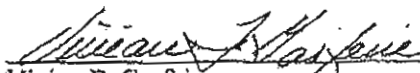
"More Protection, Less Process"

Printed on recycled paper.

If there are any questions, please contact Gail Mowry of the Submerged Lands and Environmental Resource Program by telephone (407/893-3307), fax (407/893-3075), or internet (Gail.Mowry@dep.state.fl.us).

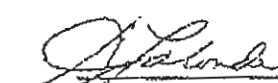
Executed in Orlando, Florida.


STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


Vivian F. Garfein
Director of District Management

Date: February 18, 2002

FILING AND ACKNOWLEDGEMENT FILED, on this date, pursuant to §120.52(11), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

 2/18/2002
Clerk Date

VFG/sw/glm ¹² 

Enclosure: Permit Number ERP48-0187635-001-EI

Copies furnished to: Ed Chesney, P.E., Bishop & Buttrey
Joan Budzynski, P.E., SJRWMD-Orlando (email)
Jim Bradner, P.E., FDEP Waste Management

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on 2/18/02 to the listed persons by Ultimani Dero

Rev. 4/91



Jeb Bush
Governor

Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

David B. Struhs
Secretary

PROJECT INFORMATION:

Permit Number: Permit Number ERP48-0187635-001-EI
Expiration Date: January 30, 2007
County: Orange
Latitude: 28°38' 6"N;
Longitude: 81°30' 55.5"W;
Section 28/Township 21 South/Range 28 East
Project: Keene Road Borrow Pit (Future Class III Landfill)

PERMITTEE:

Buttrey Development Three, LLC
6239 Edgewater Drive, Suite D-1
Orlando, Florida 32810

Attention: John Buttrey, Manager

Orange County - ERP
DEP File Number: 48-0187635-001-EI

Dear Mr. Buttrey:

This permit is issued under the provisions of Part IV of Chapter 373, *Florida Statutes* (F.S.) and Chapters 62-4, 62-113, 62-302, 62-330, 62-343, 40C-4, 40C-40, 40C-41, and 40C-42, *Florida Administrative Code* (F.A.C.). The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

Construct and Operate: A surface water management system associated with the excavation of a borrow pit. The excavated area is intended to serve as the footprint for a future Class III landfill.

The borrow pit will have a finished bottom elevation of 66 feet N.G.V.D., top of bank of 80 feet N.G.V.D., side slopes of 5:1, and total storage capacity of 328 acre-feet.

A swale system will be located on both sides of the access road located in the northwest corner of the proposed pit area. The swales will be a minimum of one (1) foot in depth with side slopes of 2:1. The outer top of bank elevations for the swales will match that of existing grade.

Figures 1 through 3 will be attached to, and become a part of, this permit.

Other Permits: DEP Solid Waste Construct Permit is required for the landfill phase of project.

"More Protection, Less Process"

Printed on recycled paper.

Permittee: Buttrey Development Three, LLC.
Attention: John Buttrey, Manager

Permit Number: ERP48-0187635-001-EI
Expiration Date: January 30, 2007

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violations of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
 - (a) Have access to and copy any records that must be kept under conditions of the permit;
 - (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
 - (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.Reasonable time may depend on the nature of the concern being investigated.
8. If, for any reason, the permittee does not comply with or will be unable to comply with any conditions or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
 - (a) A description of and cause of noncompliance; and
 - (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

Permittee: Buttrey Development Three, LLC.
Attention: John Buttrey, Manager

Permit Number: ERP48-0187635-001-EI
Expiration Date: January 30, 2007

GENERAL CONDITIONS:

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Section 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-30.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
 - () Determination of Best Available Control Technology (BACT)
 - () Determination of Prevention of Significant Deterioration (PSD)
 - () Certification of compliance with state Water Quality Standards (Section 401, PL 92-500)
 - () Compliance with New Source Performance Standards
14. The permittee shall comply with the following:
 - (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
 - (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date the sample, measurement, report, or application unless otherwise specified by Department rule.
 - (c) Records of monitoring information shall include:
 1. the date, exact place, and time of sampling or measurements;
 2. the person responsible for performing the sampling or measurements;
 3. the dates analyses were performed;
 4. the person responsible for performing the analyses;
 5. the analytical techniques or methods used;
 6. the results of such analyses.
15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

Permittee: Buttrey Development Three, LLC.
Attention: John Buttrey, Manager

Permit Number: ERP48-0187635-001-EI
Expiration Date: January 30, 2007

SPECIFIC CONDITIONS:

PERMIT ALTERATIONS

1. All construction, operation, and maintenance shall be as set forth in the plans, specifications and performance criteria contained in the Department's files and approved by this permit. Any alteration or modification to the stormwater system as permitted requires prior approval from the Department.
2. If any other regulatory agency should require revisions or modifications to the permitted project, the Department is to be notified of the revisions so that a determination can be made whether a permit modification is required.
3. Permittee must obtain a permit from the Department prior to beginning construction of subsequent phases or any other work associated with this project not specifically authorized by this permit. Works not specifically authorized by this permit include the surface water management system required for the future Class III landfill phase of the project. The surface water management system for the future Class III landfill phase must meet all the permitting requirements as required by Rules 40C-4, 40C-40, 40C-41, and 40C-42, F.A.C. and any future requirements placed into Statute or Rule prior to obtaining the necessary permit. No waste material is allowed to be placed into the borrow pit excavation until all appropriate permits have been received by the Department and any other regulating agency.

SITE INSPECTION BY DEP STAFF

4. Department-authorized staff, upon proper identification, will have permission to enter, inspect, and observe the system to insure conformity with the plans and specifications approved by the permit. The plans are on file in the Central District Office of the Department of Environmental Protection.

WATER QUALITY

5. Turbidity must be controlled to prevent violations of water quality pursuant to Rule 62-302.530(70), *Florida Administrative Code*. Turbidity shall not exceed 29 Nephelometric Turbidity Units above natural background conditions. Turbidity barriers shall be correctly installed at all locations where the possibility of transferring suspended solids into the receiving waterbody exists due to the proposed work. It is understood that "receiving waterbody" shall not be construed to mean the permittee's settling pond, dredge lake, or other parts of the permittee's closed water system. Turbidity barriers shall remain in place at all locations until construction is completed, soils are stabilized, and vegetation has been established.

Upon final completion of the project and upon reasonable assurance that the project is no longer a potential turbidity source, the permittee will be responsible for the removal of the barriers.

Permittee: Buttrey Development Three, LLC.
Attention: John Buttrey, Manager

Permit Number: ERP48-0187635-001-E1
Expiration Date: January 30, 2007

SPECIFIC CONDITIONS:

CONSTRUCTION DETAILS

6. The permittee shall require the contractor to review and to maintain in good condition at the construction site a copy of this permit complete with all conditions, attachments, exhibits, and permit modifications issued for this permit. The complete permit copy must be available for review upon request by Department representatives.
7. Before any offsite discharge from the stormwater management system occurs, the retention and detention storage must be excavated to rough grade prior to building construction or placement of impervious surface within the area served by those systems.

Adequate measures must be taken to prevent siltation of these treatment systems and control structures during construction or siltation must be removed prior to final grading and stabilization.

8. The attached construction commencement notice [Form 62-343,900(3) F.A.C.] must be received by the Department at least seven (7) days prior to the start of construction. The notice should include when construction will begin and approximately how long it will continue. If the construction term should exceed one year, an Annual Status Report for Surface Water Management System Construction is required to be submitted.

EROSION CONTROL MEASURES

9. Prior to and during construction, the permittee shall correctly implement and maintain all erosion and sediment control measures (best management practices) required to retain sediment on-site and to prevent violations of state water quality standards. All practices must be in accordance with the guidelines and specifications in Chapter 6 of the Florida Land Development Manual: A Guide to Sound Land and Water Management (FDEP 1988), which are hereby incorporated by reference, unless a project specific erosion and sediment control plan is approved as part of the permit, in which case the practices must be in accordance with the plan.

If site specific conditions require additional measures during any phase of construction or operation to prevent erosion or control sediment, beyond those specified in the erosion and sediment control plan, the permittee shall implement additional best management practices as necessary, in accordance with the specification in Chapter 6 of the Florida Land Development Manual: A Guide to Sound Land and Water Management (FDEP 1988). The permittee shall correct any erosion or shoaling that causes adverse impacts to the water courses.

Permittee: Buttrey Development Three, LLC.
Attention: John Buttrey, Manager

Permit Number: ERP48-0187635-001-E1
Expiration Date: January 30, 2007

SPECIFIC CONDITIONS:

10. The following measures shall be taken to minimize erosion:

- A. Swales and dry ponds: sodding of all side slopes; seeding and mulching of flat-lying bottom areas; and
- B. Berms and other disturbed flat-lying areas: seed and mulch.

Stabilization measures shall be initiated for erosion and sediment control on disturbed areas as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than seven (7) days after the construction activity in that portion of the site has temporarily or permanently ceased.

11. All wetland areas or water bodies which are outside of the specific limits of construction authorized by this permit must be protected from erosion, siltation, scouring or excess turbidity and dewatering.

SUBMITTAL OF AS-BUILT PLANS

12. Within 30 days after completion of construction of the surface water management system, the permittee shall submit the attached form [Form 62-343.900(5) F.A.C.] and two sets of record drawings of the project as actually constructed thereby notifying the Department that the facilities are ready for final inspection and approval. The permit will be converted from a construction permit to an operation permit once the project is determined to be in compliance with the permitted plans and with conditions provided in Rule 40C-4.361, F.A.C.

13. The location of at least one bench mark (and its corresponding elevation) per stormwater pond should be placed in the vicinity of each inlet or outlet structure and will be clearly shown on the as-built plans provided to the Department.

INSPECTION REPORTS

14. Inspection reports for surface water management system shall be submitted to the Department two years after completion of construction and every two years thereafter on the attached form [Form 62-343.900(6) F.A.C.].

Permittee: Buttrey Development Three, LLC.
Attention: John Buttrey, Manager

Permit Number: ERP48-0187635-001-EI
Expiration Date: January 30, 2007

SPECIFIC CONDITIONS:

MAINTENANCE ACTIVITIES

15. The following maintenance activities shall be performed on

A. All permitted systems:

1. remove trash and debris;
2. inspect inlets and outlets;
3. remove sediments when the storage volume or conveyance capacity of the stormwater management system is below design levels; and
4. stabilize and restore eroded areas.

B. Retention and swale systems:

1. mow and remove grass clippings;
2. aerate, till, or replace topsoil; and
3. re-establish vegetation on disturbed surfaces.

16. If the system is not functioning as designed and permitted, operational maintenance must be performed immediately to restore the system. If operational maintenance measures are insufficient to enable the system to meet the design and performance standards of this chapter, the permittee must either replace the system or construct an alternative design. A permit modification must be obtained from the Department prior to constructing such an alternate design pursuant to section 40C-4.331, F.A.C.

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


Vivian F. Garfein
Director of District Management

Date February 18, 2008

Form #62-343,900(3) F.A.C.
Form Title: Construction
Commencement Notice
Effective Date: October 3, 1995

ENVIRONMENTAL RESOURCE PERMIT
CONSTRUCTION COMMENCEMENT NOTICE

Project Name: _____ Phase: _____

I hereby notify the Department of Environmental Protection that the construction of the surface water management system authorized by Environmental Resource Permit No. _____ has commenced/is expected to commence on _____ and will require a duration of approximately _____ months _____ weeks to complete. It is understood that should the construction term extend beyond one year, I am obligated to submit the Annual Status Report for Surface Water Management System Construction.

PLEASE NOTE: If the actual construction commencement date is not known, Department staff should be so notified in writing to satisfy permit conditions.

Permittee or Authorized Agent _____

Title and Company _____

Company Address _____

Date _____

City, State, Zip Code _____

Telephone Number _____

Please send the completed form to:

Florida Department of Environmental Protection
Submerged Lands and Environmental Resources Program
3310 Maguire Blvd., Suite 232
Orlando, FL 32803

Form #62-343-200(5), F.A.C.
Form Title: As-Built Certification
by a Registered Professional
Date: October 3, 1995

ENVIRONMENTAL RESOURCE PERMIT
AS-BUILT CERTIFICATION BY A REGISTERED PROFESSIONAL

Permit Number: _____

Project Name: _____

I hereby certify that all components of this surface water management system have been built substantially in accordance with the approved plans and specifications and are ready for inspection. Any substantial deviations (noted below) from the approved plans and specifications will not prevent the system from functioning as designed when properly maintained and operated. These determinations are based upon on-site observation of the system conducted by me or by my designee under my direct supervision and/or my review of as-built plans certified by a registered professional or other appropriate individual as authorized by law.

Name (please print)

Signature of Professional

Company Name

Florida Registration Number

Company Address

Date

City, State, Zip Code

Telephone Number

(Affix Seal)

Substantial deviations from the approved plans and specifications:

(Note: attach two copies of as-built plans when there are substantial deviations)

Within 30 days of completion of the system, submit two copies of the form to:

Form # 62-343.900(6) F.A.C.
Form Title: Inspection Certification
Date: October 3, 1995

ENVIRONMENTAL RESOURCE PERMIT INSPECTION CERTIFICATION

Permit Number: _____

Project Name: _____

Inspection Date(s): _____

Inspection Results: (check one)

____ I hereby certify that I or my designee under my direct supervision have inspected the system at the above referenced project and that the system appears to be functioning in accordance with the requirements of the permit and Chapter 373 F.S. (as applicable).

____ The following necessary maintenance was conducted:

____ I hereby certify that I or my designee under my direct supervision has inspected the system at the above referenced project and that the system does not appear to be functioning in accordance with the requirements of the permit and Chapter 373 F.S. (as applicable). I have informed the operation and maintenance entity of the following: (a) that the system does not appear to be functioning properly, (b) that maintenance is required to bring the system into compliance, and (c) if maintenance measures are not adequate to bring the system into compliance, the system may have to be replaced or an alternative design constructed subsequent to Department approval.

____ Name (please print)

____ Signature of Professional Engineer

____ Company Name

____ Florida Registration Number

____ Company Address

____ Date

____ City, State, Zip Code

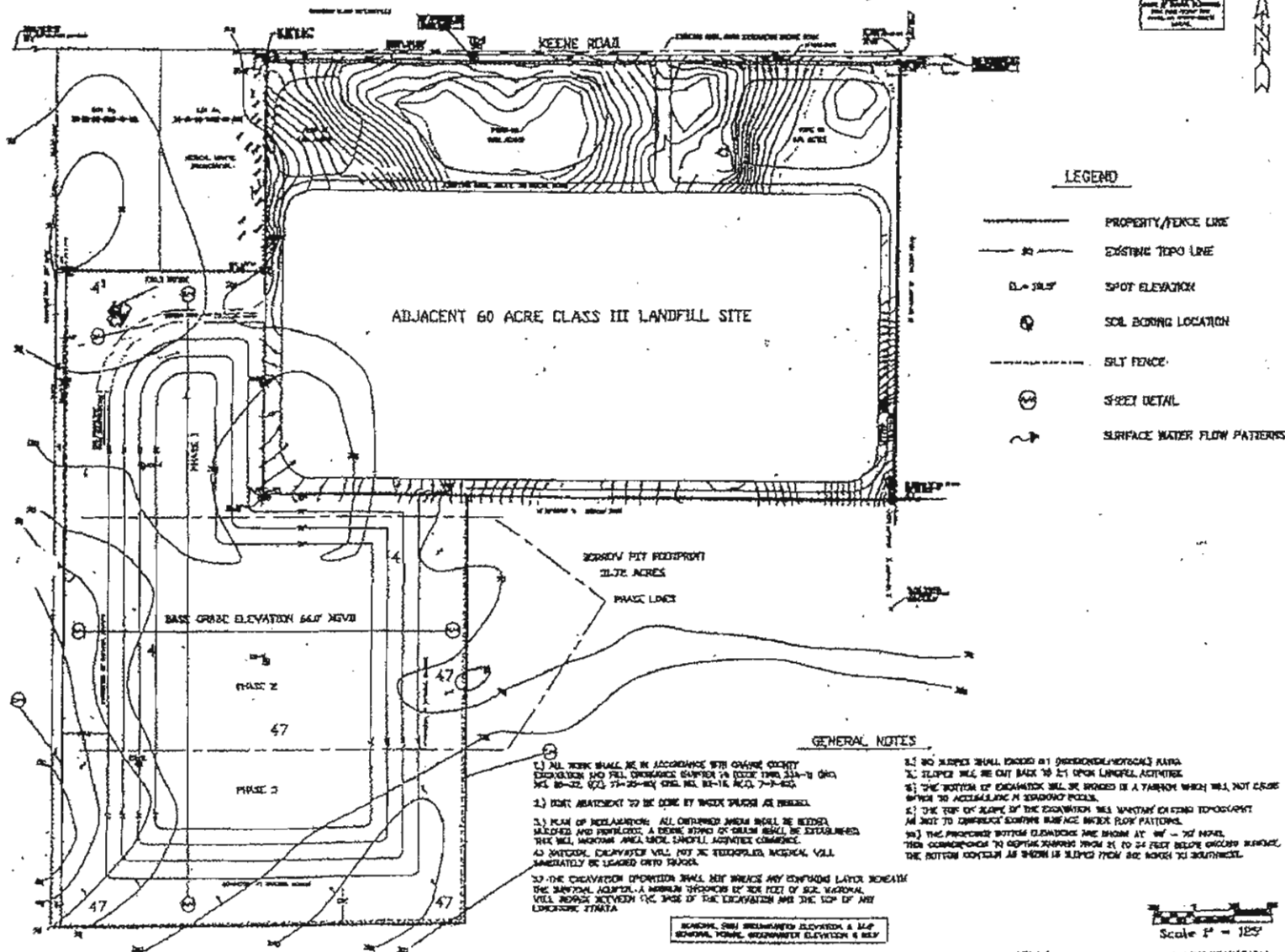
____ Telephone Number

(Affix Seal)

Within 30 days of completion of the inspection, submit two copies of this form to the following Department Office:

Department of Environmental Protection

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26



BUTTREY DEVELOPMENT THREE, L.L.C.

BUTTREY DEVELOPMENT THREE, L.L.C.
KEENE ROAD DISPOSAL LAND EXCAVATION NO. 125

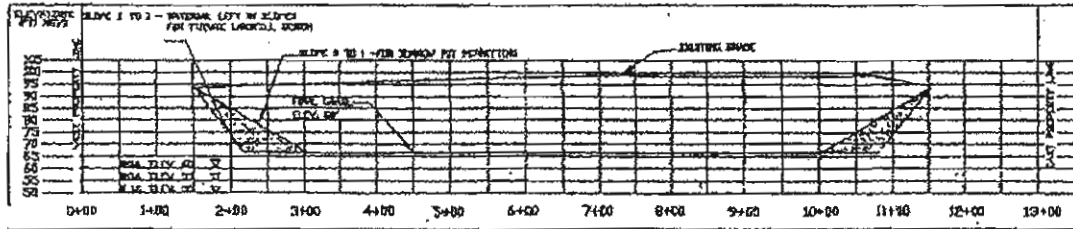
FIGURE 2

REVISIONS

NO.	DATE	DESCRIPTION
1	08/28/01	EXCAVATION PLAN
2		
3		
4		
5		
6		
7		
8		
9		
10		

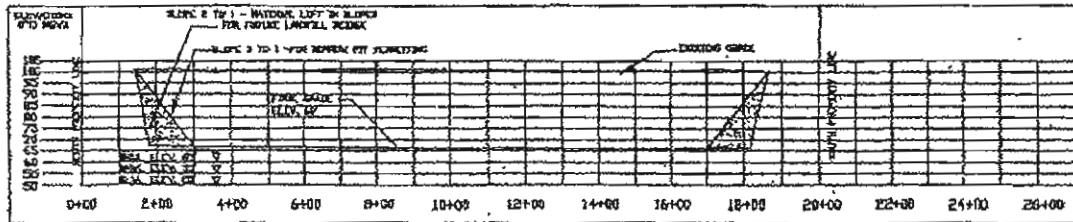
EXCAVATION PLAN

Sheet 3 of 4



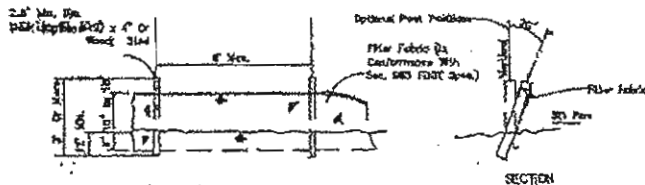
CROSS SECTION A - A - WEST TO EAST

(A/A)



CROSS SECTION B - B - NORTH TO SOUTH

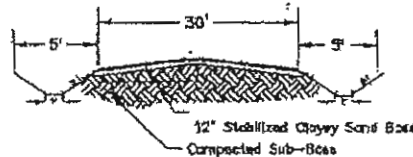
(B/B)



ELEVATION

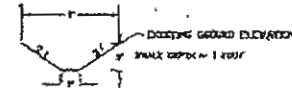
TYPE III SILT FENCE

(C/C)



DETAIL OF ACCESS ROAD OUT TO ADJACENT SITE (TYPICAL)

(D/D)



TYPICAL SWALE

DESIGNED BY:
 DATE: 03/08/01
 CHECKED BY:
 DATE: 03/08/01
 REVISIONS:
 1. 03/28/01
 2. 11/20/01
 3. 11/20/01
 PROFILE SHEET
 SHEET 1 OF 4

BUTTREY DEVELOPMENT THREE, L.L.C.

KEENE ROAD DISPOSAL LAND EXCAVATION NO. 125

FIGURE 3

DESIGN &
 SURVEY
 11/20/01