



An employee-owned company

August 28, 2006

Susan J. Pelz, P.E.
Solid Waste Manager
Southwest District
13051 North Telecom Parkway
Temple Terrace, Florida 33637

Dept. of Environmental Protection

AUG 29 2006

Southwest District

RE: Lena Road Landfill, Manatee County
WACS ID No.: SWD-41-44795
Landfill Operation Permit No.: 39884-010-SO/01
Capacity Report

Dear Ms Pelz:

PBS&J is submitting this Capacity Report on behalf of Manatee County as required by Landfill Operation Permit Specific Condition D.1.e. Capacity Report.

Enclosed with this letter are four copies of the annual aerial photograph dated July 16, 2006, topographic maps of the Stage I Landfill and Stage III Landfill based on this aerial photograph and a spread sheet entitled "Manatee County Lena Road Landfill – Remaining Landfill Life Estimate." The topographic map shows that the overall exterior landfill side slopes are no greater than 5H:1V, and the Stage I Landfill at El. 132.2 is less than the permitted design peak elevation of 136. The aerial photograph and topographic landfill show that the other design features and related improvements conform to the Department-approved Permit Renewal Drawings and other supporting information.

Sincerely,

Joseph L. Miller, P.E. #39177
Project Engineer
Cc: Gus DiItonzo, Manatee County w/ 2 copies
File 120498.34

List of Attachments

Aerial Photograph Dated July 16, 2006
Stage I Landfill and Stage III Landfill Topography based on 07/16/06 Aerial Photograph
Spread sheet "Manatee County Lena Road Landfill – Remaining Landfill Life Estimate"

U:\SO\Projects\Manatee County\SW-49 Aerial Survey 2005\Landfill Life Ltr to FDEP August 28, 2006.doc

Manatee County Lena Road Landfill

REMAINING LANDFILL LIFE ESTIMATE

August 10, 2006

Landfill	Estimated Design Capacity Cubic Yards	Estimated Volume Used as of July 26, 2005 Cubic Yards	Estimated Volume Used July 26, 2005 to July 16, 2006 Cubic Yards	Estimated Volume Remaining as of July 16, 2006 Cubic Yards
Stage I	13,179,520	13,158,153	Note 2	-
Stage II	12,705,440	-	-	12,705,440
Stage III	6,751,640	1,439,400	659,200	4,653,040
Totals	32,636,600	14,597,553	659,200	17,358,480

Remaining Landfill Life in Years Based on Annualized Filling Rate of 677,800 CY for 2006 **25.6**
Estimated Final Year of Landfill Based on Filling Rate for 2006 **2032**

Remaining Landfill Life in Years Based on Average Annual Filling Rate from 1999 to 2006 **33**
Estimated Final Year of Landfill Based on Average Annual Filling Rate from 1999 to 2006 **2039**

Notes:

1. Landfill volumes were calculated by I.F. Rooks & Associates, Inc. based on an aerial photograph taken on July 16, 2006.
2. Solid waste disposal moved from the Stage I Landfill to the Stage III Landfill on January 15, 2004.

COMPARISON OF PERCENT CHANGE IN FILLING RATE TO PERCENT CHANGE IN SOLID WASTE TONNAGE LANDFILLED				
Year	FILLING RATE		SOLID WASTE TONNAGE LANDFILLED	
	Annual Rate in CY	Percent Change	Annual Tonnage Landfilled	Percent Change
1999	461,500		338,746	
2000	610,800	32%	339,358	0%
2001	518,100	-15%	363,925	7%
2002	479,600	-7%	340,977	-6%
2003	479,500	0%	343,500	1%
2004	446,800	-7%	363,387	6%
2005	569,200	27%	389,258	7%
2006	677,800	19%	376,493	-3%

Total 4,243,300 cubic yards 2,855,644 tons

Average 530,413 cubic yards per year 356,956 tons per year
Average Density **1,346** pounds per cubic yard

FLORIDA DEPARTMENT OF
 ENVIRONMENTAL PROTECTION
 AUG 23 2006
 SOUTHWEST DISTRICT
 TAMPA

AUG 29 2006

Southwest District
SCALE: 1"=200'

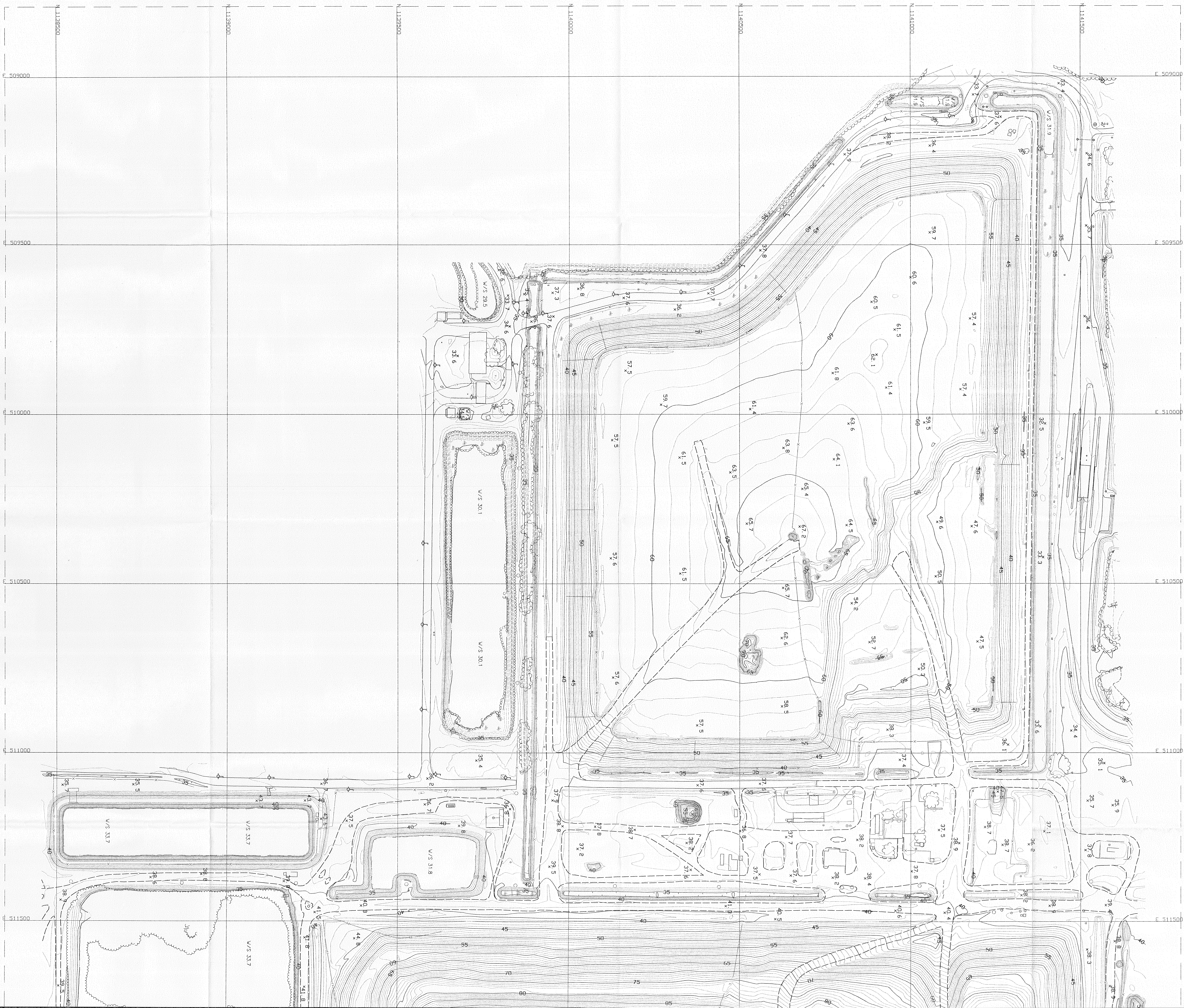
*Manatee County
Lena Road Landfill*

AERIAL FLOW ON:
07-16-06



071606.dwg

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LEGEND

- | | | | | | |
|--|---|---|--|---|---|
| PAVED ROAD
CURB-GUTTER
DIRT ROAD
TRAIL
DRIVEWAYS
PARK-LOTS
SIDEWALKS
RUNWAYS
RR SINGLE
RR DOUBLE
WALLS
DRAINAGE | GUARDRAIL
RETAINING WALL
FENCES
PIPELINES
LAKE
RIVER
STREAM
TREE LINE
BRUSH LINE
BRIDGE
DITCH | INDEX CONTOUR
OBSCURED INDEX
DEPRESSED INDEX
OBSCURED DEP INDEX
INTERMEDIATE CONTOUR
DEPRESSED INTERMEDIATE
OBSCURED DEP INTERMEDIATE
STRUCTURES
BUILDINGS
OUTLINE | SPOT HEIGHT
OBSCURED SPOT HEIGHT
CONTROL POINT
WATER SURFACE ELEV.
SWAMP
EDGE OF PAVEMENT
BUMPER
RAILROAD SIGNAL
RAILROAD SWITCH
RAILROAD CROSSING GATE | STREET LIGHT
TRAFFIC LIGHT
TOWER
UTILITY POLES
VALVE
FIRE HYDRANT
ELECTRICAL BOX
CATCH BASIN
DROP INLET
MANHOLE
MAILBOX
MISC. POST | SIGN
DOUBLE LEGGED SIGN
TELEPHONE BOOTH
ANTENNA
SATELLITE DISH
BIRD BATH
FLAG POLE
SHRUB
SINGLE TREE
PALM TREE
EVERGREEN TREE |
|--|---|---|--|---|---|

I, THE UNDERSIGNED REGISTERED SURVEYOR & MAPPER
CERTIFY THAT THIS MAP WAS COMPILED USING PHOTOGRAMMETRIC
METHODS UNDER MY SUPERVISION AND THAT THE DATA SHOWN IS
TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.
THIS SURVEY MEETS THE MINIMUM TECHNICAL STANDARDS
FLORIDA CHAPTER 61G17-06 (FLORIDA ADMINISTRATIVE CODE).

DATE OF PHOTOGRAPHY 7-16-06 ISSAC F. ROOKS, PSM #6418

THIS MAP IS NEITHER FULL NOR COMPLETE WITHOUT THE
SURVEY AND MAP REPORT AND DIGITAL FILES REFERENCED
IN SAID REPORT. UNLESS THIS MAP OR REPORT BEARS THE
SIGNATURE AND ORIGINAL RAISED SEAL OF THE ABOVE FLORIDA
LICENSED SURVEYOR AND MAPPER, IT IS FOR INFORMATIONAL
PURPOSES ONLY AND IS NOT VALID.

LF. ROOKS & ASSOCIATES, INC.
106 NW DRANE ST.
PLANT CITY, FL 33566
PH 813-855-1111
FAX 813-855-1112

TOPOGRAPHIC SURVEY

FILE NO.: 8159
SCALE: 1" = 100'
DRAWN BY: IMA
DATUM: STATE PLANE FLORIDA WEST ZONE NAD83
REVISER: CHK. BY: B. SIEKIERSKI

PBS&J, INC.
LENA ROAD LANDFILL

Sheet 1 of 2

