

**SKYLINE LANDFILL**

**APPENDIX IIH**

**FEDERAL AVIATION ADMINISTRATION DOCUMENTATION**



**BIGGS & MATHEWS ENVIRONMENTAL**  
*Consulting Engineers • Hydrogeologists*

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**Mansfield • Arlington • Dallas • Wichita Falls**

September 21, 2011

Mr. Joseph G. Washington  
Airports Division, Safety and Standards Branch  
U.S. Department of Transportation  
Federal Aviation Administration (FAA)  
2601 Meacham Boulevard  
Fort Worth, Texas 76137

Re: Waste Management of Texas, Inc. (WMTX)  
Skyline Landfill  
Proposed Permit Amendment Application  
Documentation of Coordination Relating to Airport Safety

Dear Mr. Washington:

On behalf of Waste Management of Texas, Inc. (WMTX), Biggs & Mathews Environmental is preparing a permit amendment application for an expansion of the existing Skyline Landfill located in Dallas and Ellis Counties, Texas. Texas Commission on Environmental Quality (TCEQ) rules (30 TAC §330.61(i)(5)) require documentation of coordination with the Federal Aviation Administration for impacts of landfills on airport safety.

The Skyline Landfill is a Type I municipal solid waste landfill located approximately 2.0 miles southeast of the Lancaster Regional Airport, as shown on attached Drawing 2 – Aerial Photograph. The site's coordinates are approximately 32°30'18" north latitude and 96°39'58" west longitude. The site's location in relation to highways in Dallas and Ellis Counties is shown on attached Drawing 1 – General Highway Map – Dallas and Ellis Counties.

WMTX has coordinated and met with the Lancaster Regional Airport on March 3, 2011 to confirm the proposed landfill expansion horizontal and vertical design parameters. As noted on the attached drawings, the horizontal limits of the landfill footprint will be decreased on the northwest corner of the landfill, resulting in an increased distance between the end of the airport runway and the landfill footprint. Further, the proposed landfill expansion does not increase the currently permitted landfill height.

The maximum landfill elevations for the proposed permitted expansion configuration will not exceed the maximum landfill elevations for the existing permitted configuration, as shown in Table 1 below.

**Table 1 – Maximum Landfill Elevations**

<b>Existing Configuration</b>	<b>Proposed Configuration</b>
249 feet AGL	249 feet AGL
688 feet AMSL	688 feet AMSL

In accordance with the existing landfill's TCEQ permit that was issued in April 1995, WMTX has adopted a "Bird Control Plan" at the Skyline Landfill to eliminate bird hazards to aircraft. WMTX conducts daily bird control activities. WMTX submits monthly and annual reports to TCEQ and

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Mr. Joseph G. Washington  
September 21, 2011  
Page 2

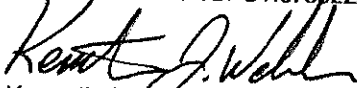
FAA, documenting bird activity within the existing landfill boundary. The monthly and annual bird monitoring activity reports demonstrate that the landfill does not pose bird hazards to aircrafts. The Skyline Landfill will continue to follow the Bird Control Plan.

Please indicate in writing if the Skyline Landfill expansion has an impact on airport operations at the Lancaster Regional Airport. We believe that the proposed expansion of the landfill will not exceed obstruction standards and will not be a hazard to air navigation, as demonstrated on attached Drawings 1 through 8 and based on the information provided in this letter.

Please call or e-mail me at 817-563-1144 or [kwelch@biggsandmathews.com](mailto:kwelch@biggsandmathews.com) if you have any questions or need additional information. We look forward to your response.

Sincerely,

BIGGS & MATHEWS ENVIRONMENTAL  
TBPE No. F-256 ♦ TBPG No. 50222

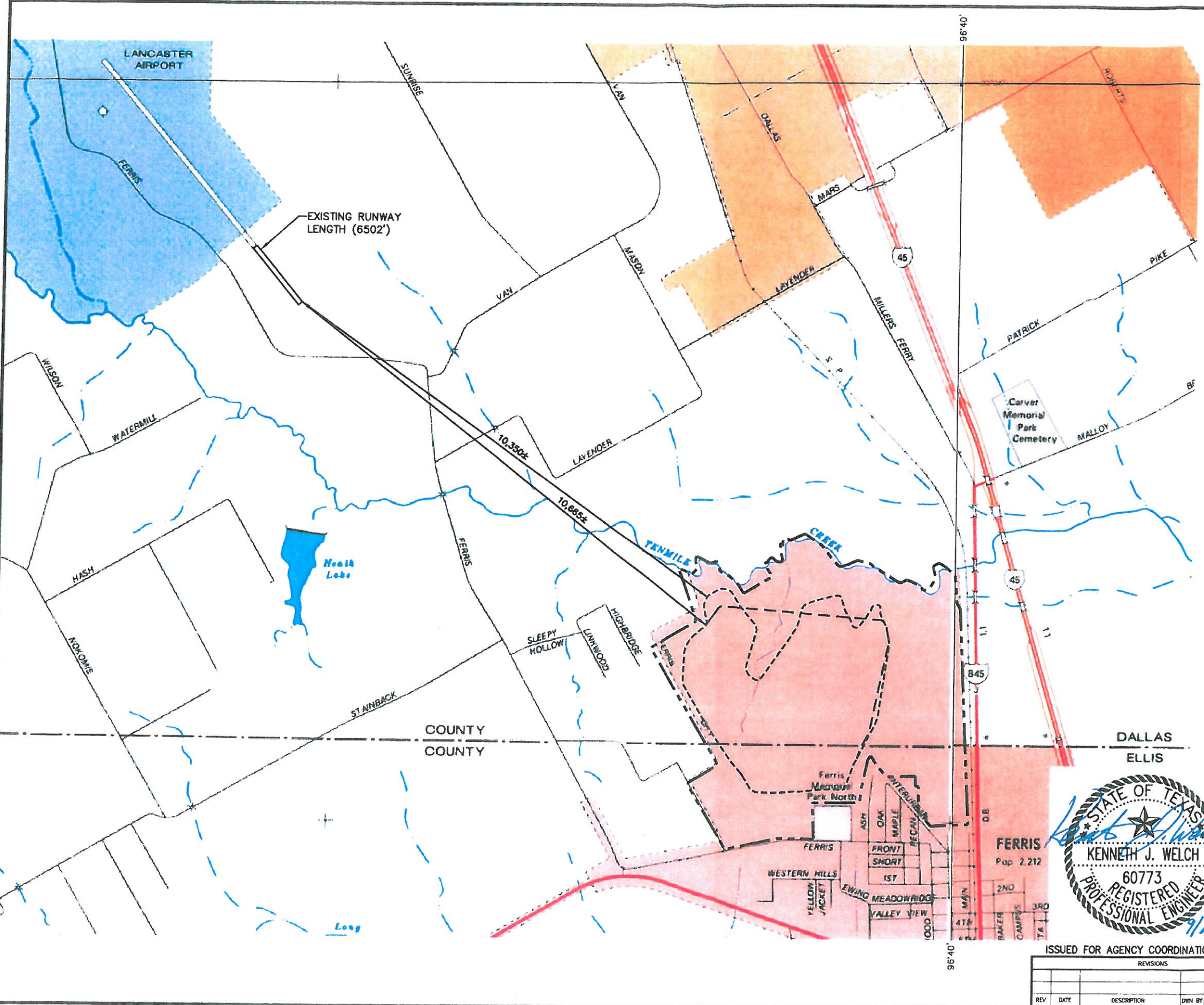


Kenneth J. Welch, P.E.  
Principal Engineer

Attachments: Drawing 1 – General Highway Map – Dallas and Ellis Counties  
Drawing 2 – Aerial Photograph  
Drawing 3 – General Site Plan  
Drawing 4 – Airport Map  
Drawing 5 – FAA Protection Zones – Horizontal and Conical Surfaces  
Drawing 6 – FAA Protection Zones – Horizontal and Conical Surfaces  
Drawing 7 – FAA Protection Zones – Cross Section A  
Drawing 8 – FAA Protection Zones – Cross Section B

cc: Mr. Rick Losa, WMTX (1)  
Mr. Walter Hunt, P.E., WMTX (1)

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- LEGEND**
- NATIONAL OR STATE BOUNDARY
  - COUNTY BOUNDARY
  - LIMIT OF ENGAGED DETAIL
  - CITY LIMIT
  - RETIRED ROAD
  - STATE-OTHER
  - DIVIDED ROAD
  - PAVED ROAD
  - ALL WEATHER ROAD
  - EARTH ROAD
  - NOT COUNTY MAINTAINED ROAD
  - ROAD TO CITY
  - DIVIDED ROADWAY WITH FRONTAGE ROADS
  - MILEAGE BETWEEN POINTS
  - INTERSTATE HIGHWAY
  - U.S. NUMBERED HIGHWAY
  - STATE HIGHWAY
  - STATE HIGHWAY LOOP OR SPUR
  - STATE HIGHWAY PARK ROAD
  - FARM OR RANCH TO MARKET ROAD
  - RECREATIONAL ROAD
  - BUSINESS ROUTES
  - COUNTY SEAT
  - TOWN SYMBOLS
  - BRIDGE OR CROSSING SEPARATION OVER 20'
  - 100' WATER CROSSING
  - INTERMITTENT STREAM
  - FLOWING STREAM
  - SHIP OR DUNE CHANNEL
  - LAKE WITH DAM
  - AREA SUBJECT TO INUNDATION
  - INTERMITTENT LAKE
  - PROMINENT ELEVATION
  - ESCAPEMENT OR BLUFF
  - AIRPORT WITH FACILITIES
  - MILITARY AIRBASE
  - HISTORIC SITE
  - TRADY CO. LINE MARKER
  - U.S. CUSTOMS PORT OF ENTRY
  - TRAVEL INFORMATION CENTER
  - CEMETERY
  - TRADY DISTRICT OFFICE
  - COUNTRY CLUB / GOLF COURSE
  - LANDFILL PERMIT BOUNDARY
  - PERMITTED LANDFILL FOOTPRINT
  - PROPOSED LANDFILL FOOTPRINT

**GENERAL HIGHWAY MAP  
DALLAS & ELLIS COUNTY  
TEXAS**  
PREPARED BY THE  
TEXAS DEPARTMENT OF TRANSPORTATION  
TRANSPORTATION PLANNING AND PROGRAMMING DIVISION  
IN COOPERATION WITH THE  
U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
1990  
1990 CENSUS FIGURES  
HIGHWAYS REVISED TO MARCH 1, 1996



ISSUED FOR AGENCY COORDINATION PURPOSES

REVISIONS							TBPE FIRM NO. F-256	TBPG FIRM NO. 50222	
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY	DSN. SAB	DATE: 9/11	DRAWING
							DWN. SRC	SCALE: GRAPHIC	1
							CHK. KJW	DWG: HwyMap.dwg	

**GENERAL HIGHWAY MAP  
DALLAS & ELLIS COUNTIES  
WASTE MANAGEMENT OF TEXAS, INC.  
SKYLINE LANDFILL  
MAJOR PERMIT AMENDMENT**



**BIGGS & MATHEWS  
ENVIRONMENTAL  
CONSULTING ENGINEERS**  
MANSFIELD • WICHITA FALLS  
817-563-1144

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- LEGEND**
- PERMIT BOUNDARY
  - PERMITTED LANDFILL FOOTPRINT
  - PROPOSED LANDFILL FOOTPRINT
  - 32°32'30" — LATITUDE-LONGITUDE GRID

- NOTES:**
1. LATITUDE-LONGITUDE LINES DERIVED FROM TEXAS STATE PLANE COORDINATE SYSTEM NORTH CENTRAL ZONE (NAD 83 DATUM).
  2. AERIAL PHOTOGRAPH IS US TOPO 7.5 MINUTE QUADRANGLE - FERRIS, TEXAS. IMAGERY DATE IS JULY, 2008 AND IS MOST RECENT AVAILABLE IMAGERY AS OF SEPTEMBER 2011. IMAGERY OF THE SOUTH RUNWAY ADDITION OF LANCASTER REGIONAL AIRPORT HAS BEEN SUPPLEMENTED BY GOOGLE EARTH, DATED MARCH 31, 2011.



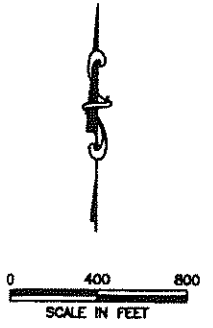
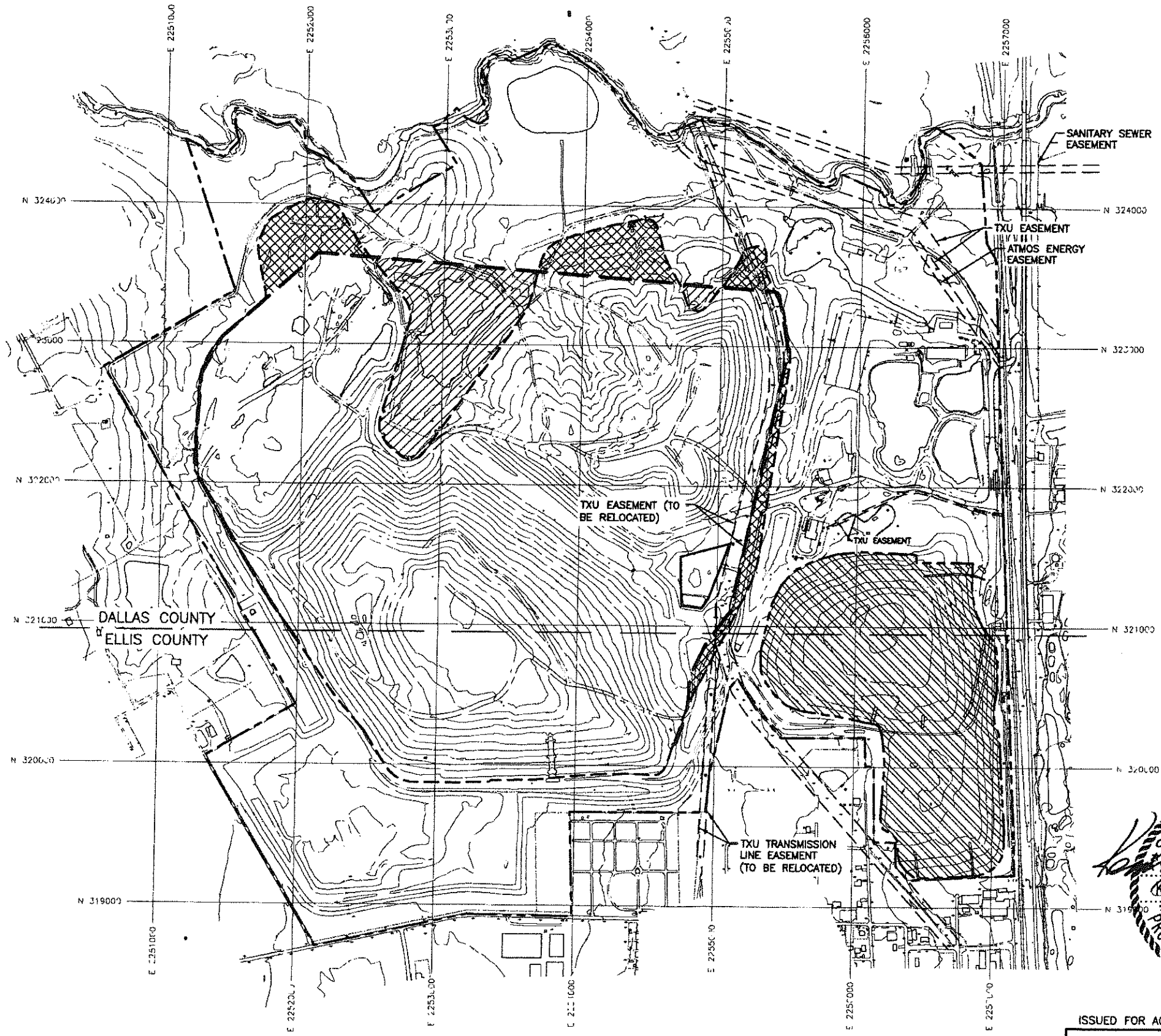
**AERIAL PHOTOGRAPH**  
**WASTE MANAGEMENT OF TEXAS, INC.**  
**SKYLINE LANDFILL**  
**MAJOR PERMIT AMENDMENT**

 **BIGGS & MATHEWS**  
**ENVIRONMENTAL**  
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REVISIONS						TBPE FIRM NO. F-256	DATE : 9/11	TBPG FIRM NO. 50222
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							DWN. SRC	2
							CHK. KJW	DWG : AerialPhoto.dwg

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**LEGEND**

---	PROPERTY BOUNDARY
---	PERMIT BOUNDARY
---	PERMITTED FOOTPRINT
---	PROPOSED FOOTPRINT
~	EXISTING CONTOUR
N 319000	STATE PLANE GRID (NAD 27)
[Cross-hatch]	PERMIT 42A - CLOSED
[Diagonal lines]	FOOTPRINT ADDED
[Grid pattern]	FOOTPRINT REMOVED

**NOTE:**  
 1. EXISTING CONTOURS COMPILED BY AEROMETRIC FROM AERIAL PHOTOGRAPHY. FLOWN MARCH 6, 2011. COORDINATE SYSTEM IS BASED ON TEXAS STATE PLANE NAD 27, TEXAS NORTH CENTRAL ZONE, US FEET.

WASTE DISPOSAL FOOTPRINT	
PERMITTED FOOTPRINT	282.2 Ac.
FOOTPRINT REMOVED	-20.1 Ac.
FOOTPRINT ADDED	+22.3 Ac.
PROPOSED FOOTPRINT	284.4 Ac.



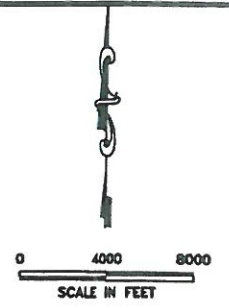
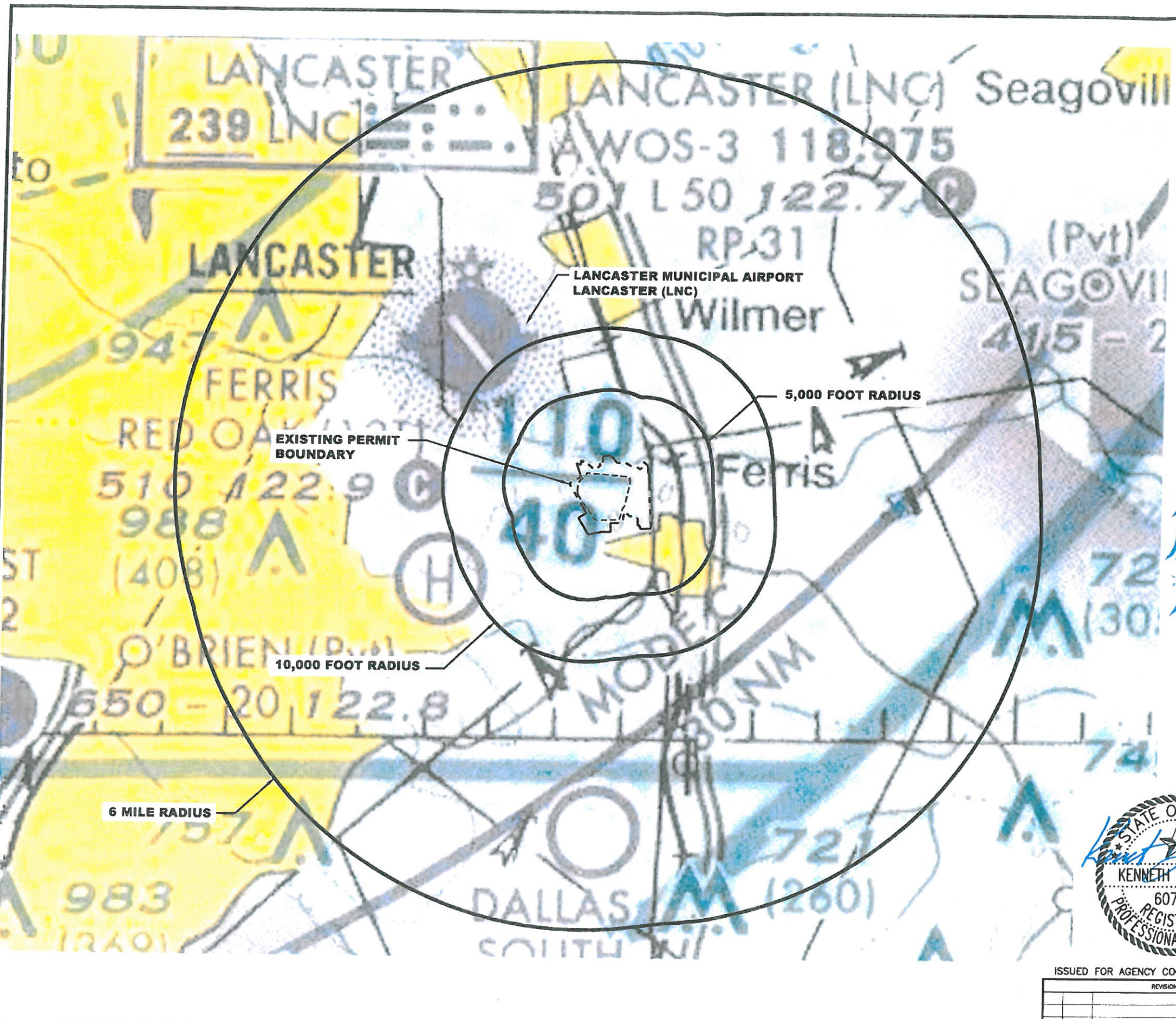
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**GENERAL SITE PLAN**  
**WASTE MANAGEMENT OF TEXAS, INC.**  
**SKYLINE LANDFILL**  
**MAJOR PERMIT AMENDMENT**

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REVISIONS				TBPE FIRM NO. F-256	TBPG FIRM NO. 50222
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				CHK. KJW DWG: GenSitePlan.dwg	

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**LEGEND**

--- PERMIT BOUNDARY  
 --- 5 MILE RADIUS

**AIRPORTS**

- Other than hard surfaced runways
- Hard surfaced runways 1500 ft. to 8069 ft. in length
- ⊕ Hard surfaced runways greater than 8069 ft. or some multiple runways less than 8069 ft.
- ⊕ Open dot within hard surfaced runway configuration indicates approximate VOR, VOR DME, or VORTAC location.

All recognizable hard surfaced runways, including those closed, are shown for visual identification. Airports may be public or private.

**OBSTRUCTIONS**

- 1000 ft and higher AGL
- below 1000 ft. AGL
- Group Obstruction
- Obstruction with high intensity lights, may operate part-time
- Elevation of the top above mean sea level (1149)
- Height above ground
- Under construction or reported position and elevation unverified

**TOPOGRAPHIC INFORMATION**

- Roads & Road Markers
- Railroad
- Power Transmission Line
- Aerial Cable
- Lanmark Feature - stadium, factory, school, golf course, etc.
- Outdoor Theater
- Look-out Tower 618 (Elevation Base of Tower)
- CG Coast Guard Station

- NOTES:**
1. THE ONLY PUBLIC-USE AIRPORT LOCATED WITHIN SIX MILES IS THE LANCASTER MUNICIPAL AIRPORT, LOCATED APPROXIMATELY 2.0 MILES NORTHWEST OF THE FACILITY.
  2. BASE MAP IS FAA SECTIONAL AERONAUTICAL CHART DALLAS-FT.WORTH, 81st EDITION, EFFECTIVE SEPTEMBER 25, 2008.



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**AIRPORT MAP**

**WASTE MANAGEMENT OF TEXAS, INC.  
 SKYLINE LANDFILL  
 MAJOR PERMIT AMENDMENT**

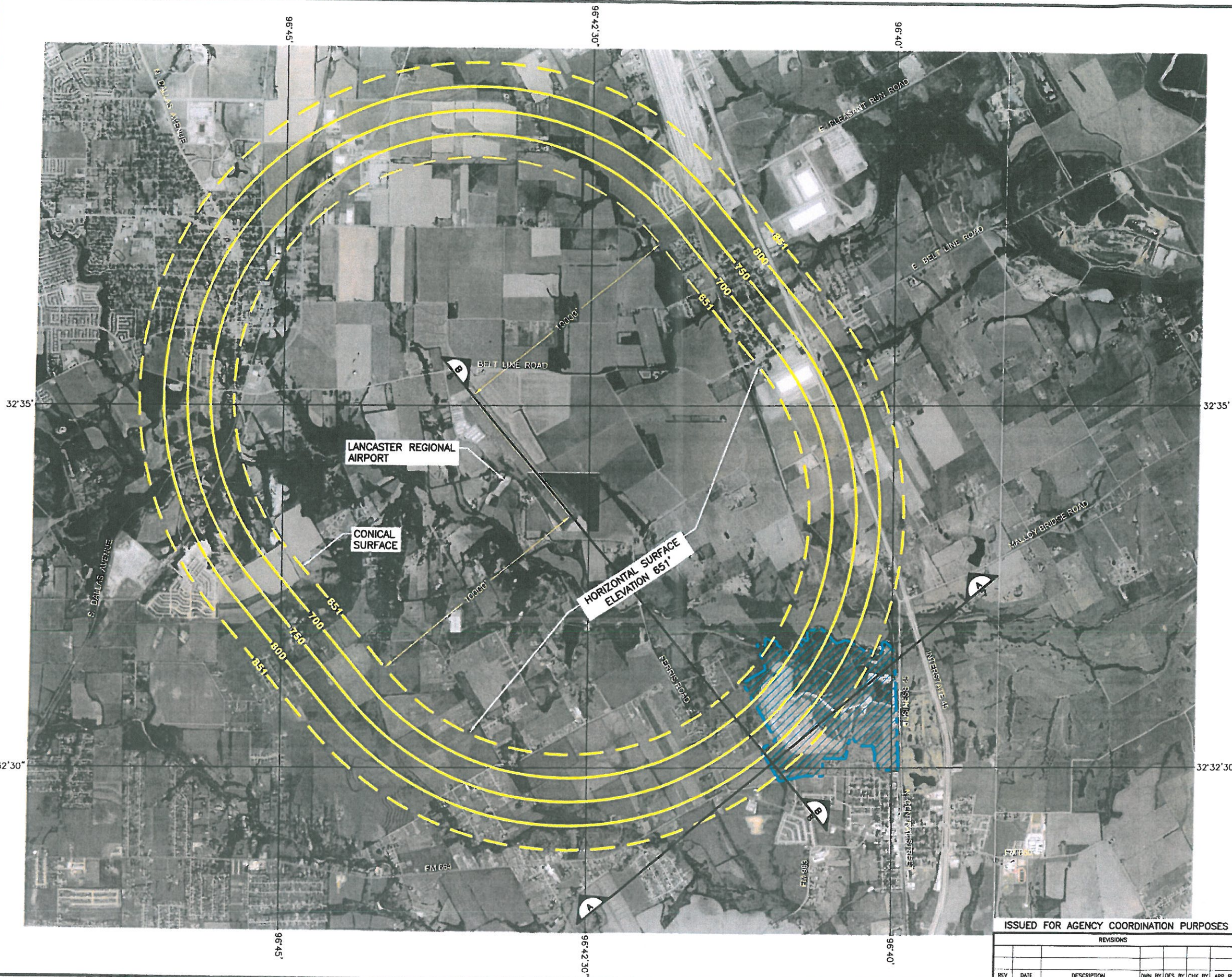
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REVISIONS					DATE	DESCRIPTION

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**LEGEND**

	PERMIT BOUNDARY
	LATITUDE-LONGITUDE GRID
	AIRPORT RUNWAY

- NOTES:**
1. LATITUDE-LONGITUDE LINES DERIVED FROM TEXAS STATE PLANE COORDINATE SYSTEM NORTH CENTRAL ZONE (NAD 83 DATUM).
  2. AERIAL PHOTOGRAPH IS US TOPO 7.5 MINUTE QUADRANGLE - FERRIS, TEXAS. IMAGERY DATE IS JULY, 2008 AND IS MOST RECENT AVAILABLE IMAGERY AS OF SEPTEMBER 2011. IMAGERY OF THE SOUTH RUNWAY ADDITION OF LANCASTER REGIONAL AIRPORT HAS BEEN SUPPLEMENTED BY GOOGLE EARTH, DATED MARCH 31, 2011.
  3. FAA HORIZONTAL AND CONICAL SURFACES HAVE BEEN PREPARED IN ACCORDANCE WITH 14CFR77.25.



**FAA PROTECTION ZONES  
HORIZONTAL AND CONICAL SURFACES  
WASTE MANAGEMENT OF TEXAS, INC.  
SKYLINE LANDFILL  
MAJOR PERMIT AMENDMENT**

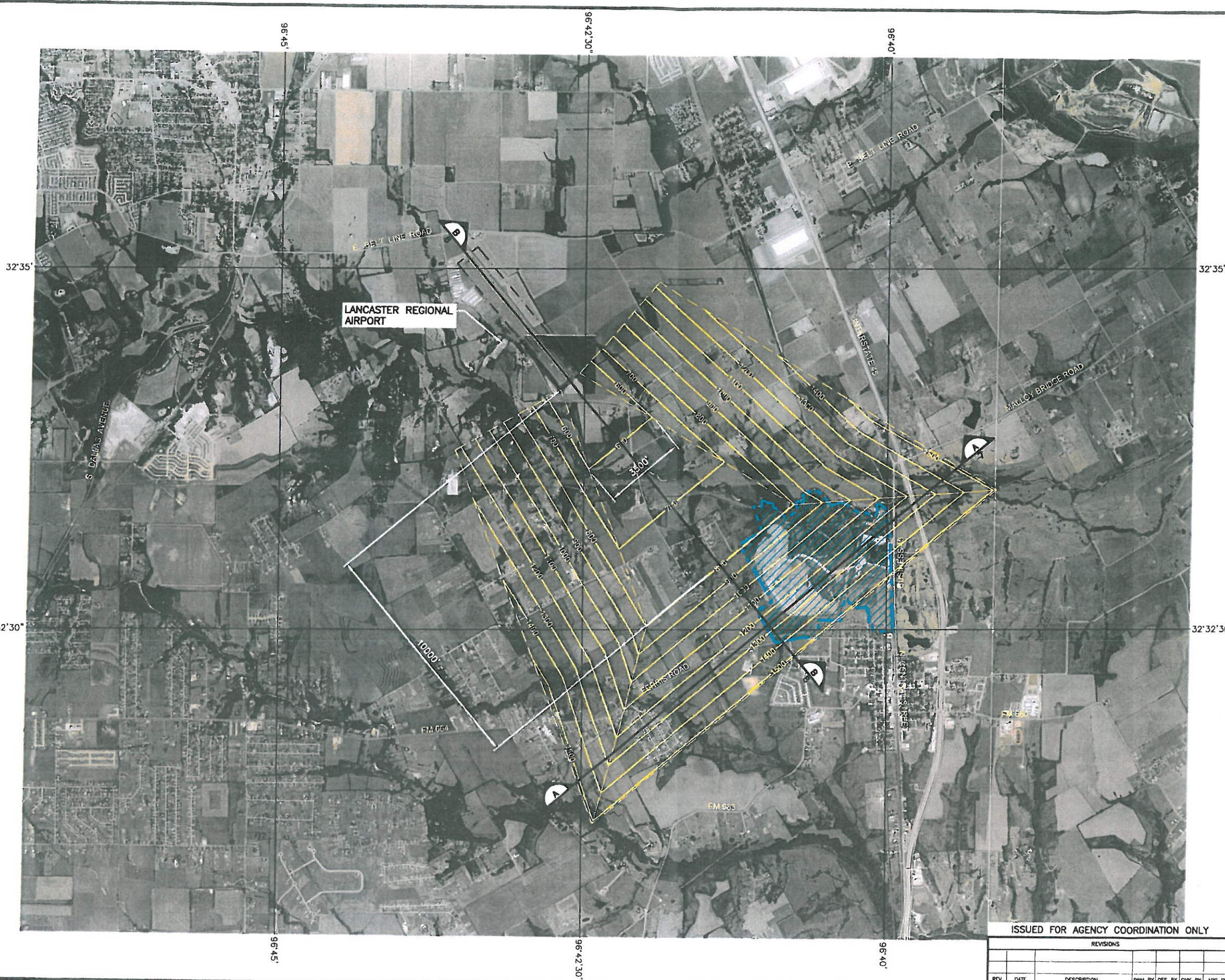
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- LEGEND**
- PERMIT BOUNDARY
  - LATITUDE-LONGITUDE GRID
  - AIRPORT RUNWAY

**NOTES:**

1. LATITUDE-LONGITUDE LINES DERIVED FROM TEXAS STATE PLANE COORDINATE SYSTEM NORTH CENTRAL ZONE (NAD 83 DATUM).
2. AERIAL PHOTOGRAPH IS US TOPO 7.5 MINUTE QUADRANGLE - FERRIS, TEXAS. IMAGERY DATE IS JULY, 2008 AND IS MOST RECENT AVAILABLE IMAGERY AS OF SEPTEMBER 2011. IMAGERY OF THE SOUTH RUNWAY ADDITION OF LANCASTER REGIONAL AIRPORT HAS BEEN SUPPLEMENTED BY GOOGLE EARTH, DATED MARCH 31, 2011.
3. FAA HORIZONTAL AND CONICAL SURFACES HAVE BEEN PREPARED IN ACCORDANCE WITH 14CFR77.25.

  
 Kenneth J. Welch  
 60773  
 REGISTERED PROFESSIONAL ENGINEER  
 9/21/2011

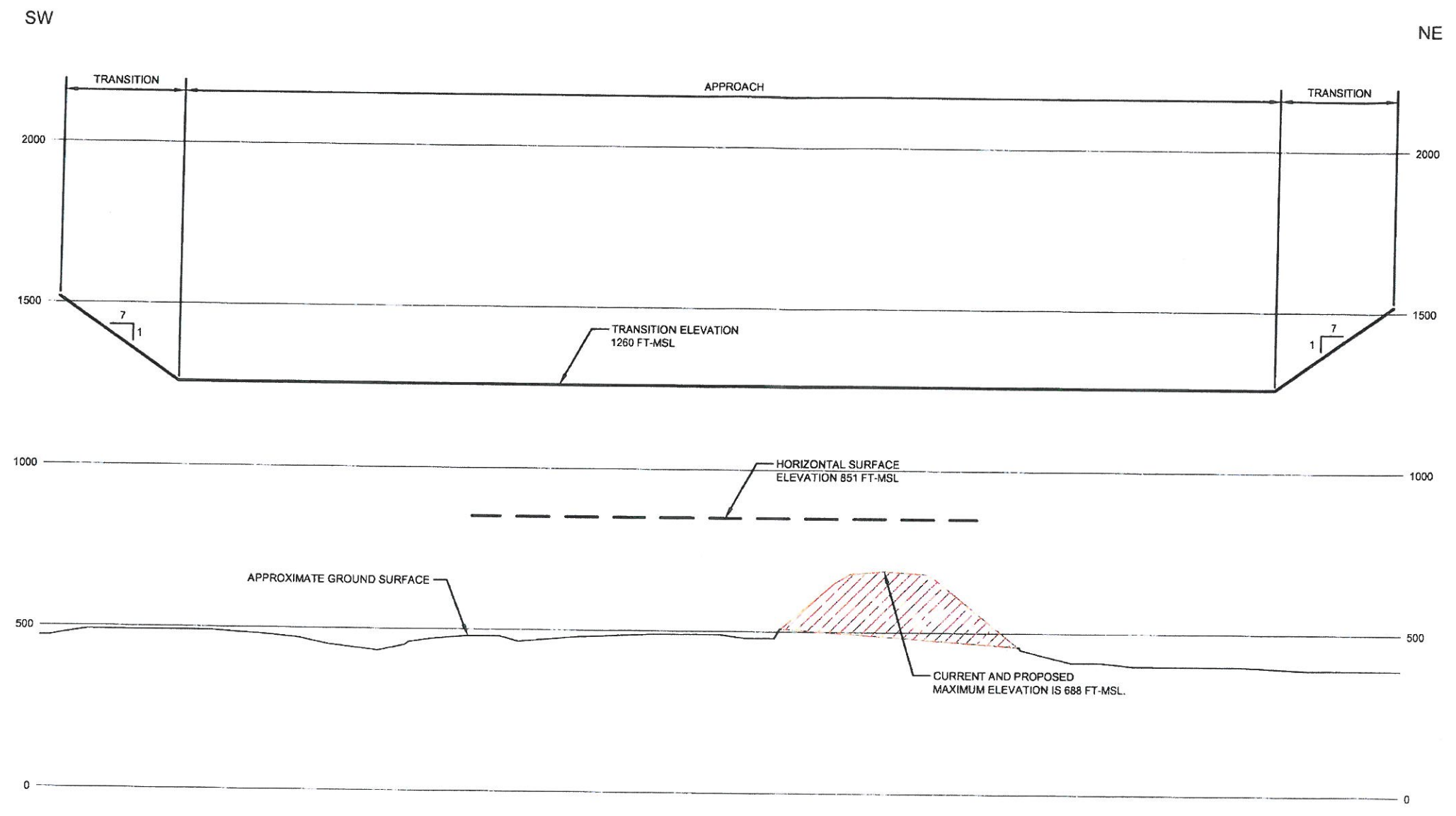
**FAA PROTECTION ZONES  
HORIZONTAL AND CONICAL SURFACES  
WASTE MANAGEMENT OF TEXAS, INC.  
SKYLINE LANDFILL  
MAJOR PERMIT AMENDMENT**

  
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SECTION A - A

0 1000 2000  
HORIZONTAL SCALE IN FEET

0 200 400  
VERTICAL SCALE IN FEET

NOTES:

- PLEASE NOTE THAT THE EXISTING AND PROPOSED LANDFILL SECTIONS AND ELEVATIONS ARE APPROXIMATE AND ARE SHOWN FOR RELATIVE DISTANCE FROM FAA RESTRICTED AREAS ONLY.
- FAA APPROACH AND TRANSITIONAL SURFACES HAVE BEEN PREPARED IN ACCORDANCE WITH 14CFR77.19.



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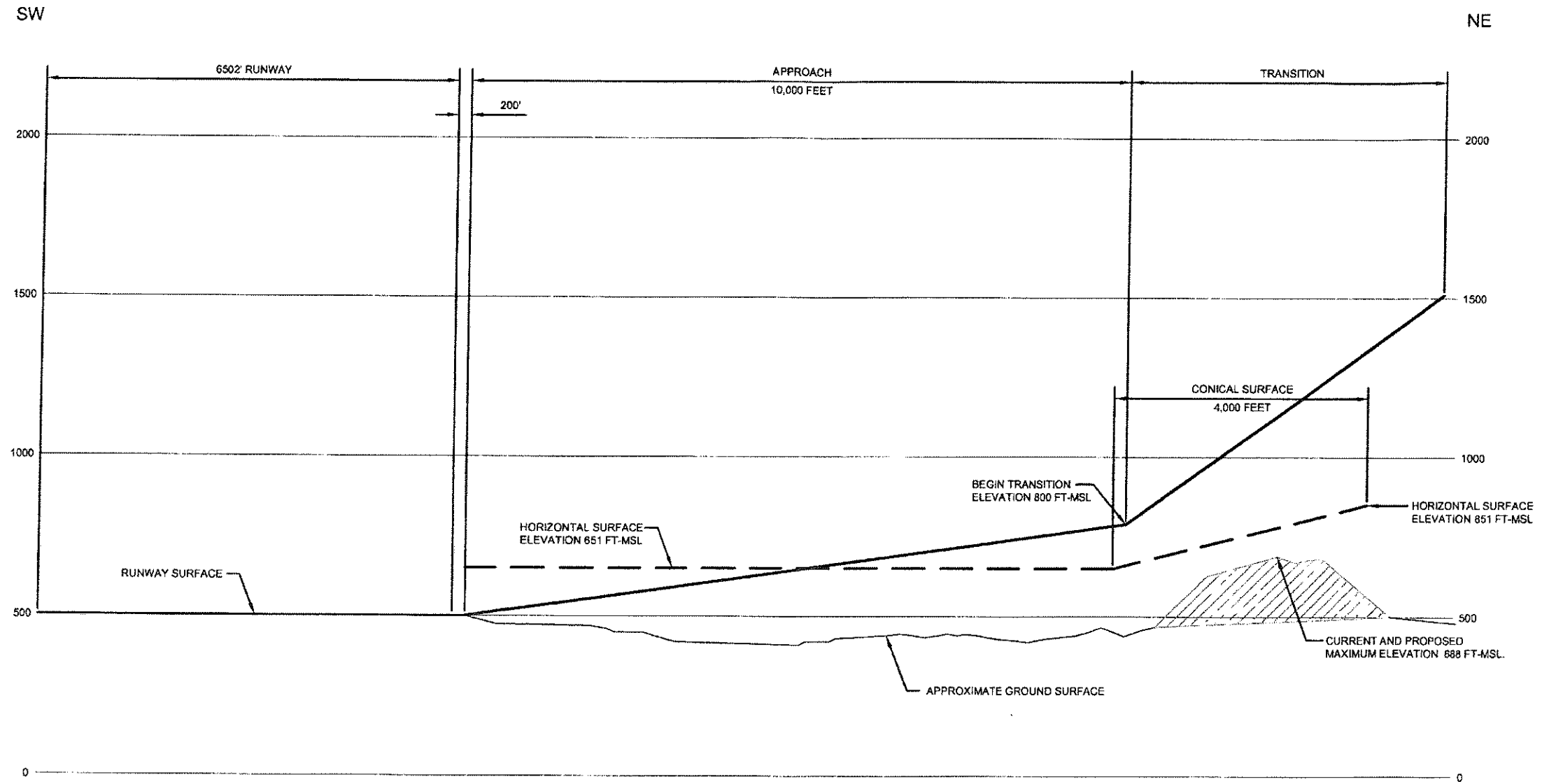
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**FAA PROTECTION ZONES  
CROSS SECTION A**  
**WASTE MANAGEMENT OF TEXAS, INC.**  
**SKYLINE LANDFILL**  
**MAJOR PERMIT AMENDMENT**

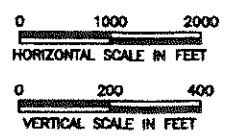


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**SECTION B - B**



**NOTES:**

- PLEASE NOTE THAT THE EXISTING AND PROPOSED LANDFILL SECTIONS AND ELEVATIONS ARE APPROXIMATE AND ARE SHOWN FOR RELATIVE DISTANCE FROM FAA RESTRICTED AREAS ONLY.
- FAA APPROACH AND TRANSITIONAL SURFACES HAVE BEEN PREPARED IN ACCORDANCE WITH 14CFR77.19.



**FAA PROTECTION ZONES  
CROSS SECTION B**  
**WASTE MANAGEMENT OF TEXAS, INC.**  
**SKYLINE LANDFILL**  
**MAJOR PERMIT AMENDMENT**



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REVISIONS				TBPE FIRM NO. F-256		TBPG FIRM NO. 50222		
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REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY	CHK. KUW	
							DWG :	CrossSections.dwg
							DRAWING	8

File



**NORTH TEXAS MARKET AREA**

1201 North Central Avenue  
Ferris, TX 75125  
(972) 842-5892  
(972) 842-2811 Fax



September 30, 2011

Mr. Mark Divita  
Airport Manager  
City of Lancaster Airport  
730 Ferris Rd. Suite 102  
P.O. Box 940  
Lancaster, Texas 75146

Dear Mr. Divita

The purpose of this letter is to follow up our meeting last spring regarding the future potential expansion of the Waste Management (WM) Landfill in Ferris, Texas. As discussed during that meeting the expansion of the landfill requires coordination with the Federal Aviation Administration (FAA).

Attached is a copy of a letter recently submitted to the FAA regarding the expansion. The attached copy is for your information and files. Should you need additional information from WM regarding any information contained in the letter and/or information regarding the expansion, please feel free to contact me.

Sincerely  
Waste Management of Texas, Inc.

A handwritten signature in black ink, appearing to read "Walter C. Hunt". The signature is fluid and cursive.

Walter C. Hunt, P.E.  
Engineering Manager North Texas, Oklahoma and Arkansas.

Cc: Kano Galindo  
Rick Losa  
File

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



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Airports Division  
Southwest Region  
Arkansas, Louisiana,  
New Mexico, Oklahoma,  
Texas

2601 Meacham Boulevard  
Fort Worth, Texas 76137

February 22, 2012

Mr. Kenneth J. Welch, P.E.  
Principal Engineer  
1700 Robert Road, Suite 100  
Mansfield, TX 76063

Dear Mr. Welch:

This is in response to your letter of September 21, 2011, about the proposed expansion of the Skyline Landfill in Lancaster Texas. Based on the information provided, we have no objection to the proposal from the standpoint of potential wildlife hazards to aircraft provide you continue submitting the Monthly and Annual Bird Monitoring reports.

We have assigned this proposed landfill site File No. 2012-003TX. Please use this number in any future correspondence about this facility. Thank you for coordinating this project with the Federal Aviation Administration.

If you have any questions, please call me at (817) 222-5656.

Sincerely,

A handwritten signature in black ink, appearing to read 'F. Nedderman', followed by a long horizontal line extending to the right.

Faye Nedderman  
Executive Technical Assistant

cc:  
Texas Department of Transportation  
Division of Aviation  
125 East 11<sup>th</sup> Street  
Austin, TX 78701-2483