

NEW BOSTON LANDFILL

APPENDIX III

FEDERAL AVIATION ADMINISTRATION DOCUMENTATION



BIGGS & MATHEWS ENVIRONMENTAL

Consulting Engineers • Hydrogeologists

Mansfield • Wichita Falls

April 3, 2012

Mr. Joseph G. Washington
Airports Division
Safety and Standards Branch, ASW-623
U.S. Department of Transportation
Federal Aviation Administration
2601 Meacham Boulevard
Fort Worth, Texas 76137

Re: Waste Management of Texas, Inc. (WMTX)
New Boston Landfill
Proposed Landfill Expansion
Documentation of Coordination Relating to Airport Safety

Dear Mr. Washington:

On behalf of Waste Management of Texas, Inc., Biggs & Mathews Environmental is preparing a permit amendment application for the New Boston Landfill located in Bowie County, Texas. Texas Commission on Environmental Quality rules (30 TAC §330.61(i)(5)) require documentation of coordination with the Federal Aviation Administration.

The facility location is shown on the attached Drawing 2 – FAA Airport Location Map that uses the FAA Sectional Aeronautical Chart Memphis, 87th Edition, dated September 22, 2011. The existing and proposed expansion is a Type I municipal solid waste landfill with a proposed maximum elevation of approximately 525 feet above mean sea level, which is approximately 150 feet above the existing highest ground elevation (380 feet above mean sea level) of the site as shown on the attached Drawing 1 – General Topographic Map.

Please indicate in writing if the facility is (1) located within 10,000 feet of any public airport runway used by turbojet aircraft, (2) within 5,000 feet of any public airport runway used by only piston-type aircraft, and (3) advise us of the locations of public-use airports within a 5-mile radius of the site, if any. Also please confirm that there are no General Aviation Airports as defined in H.R. Bill 1000, Section 503, within a 6-mile radius of the existing facility.

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

Sincerely,

BIGGS & MATHEWS ENVIRONMENTAL, INC.


Kenneth J. Welch, P.E.
Principal Engineer

Attachments: Drawing 1 – General Topographic Map
Drawing 2 – FAA Airport Location Map

cc: Mr. Steve Jacobs, Waste Management of Texas (1)
Mr. Guy Campbell, Waste Management of Texas (1)

M:\PROJ\101\05\112\PCOORDLTR FAA 3-12.DOC

1700 Robert Road, Suite 100 • Mansfield, Texas 76063 • Phone: 817-563-1144 • Fax: 817-563-1224

Biggs & Mathews Environmental

IIH-1

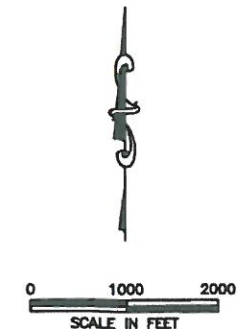
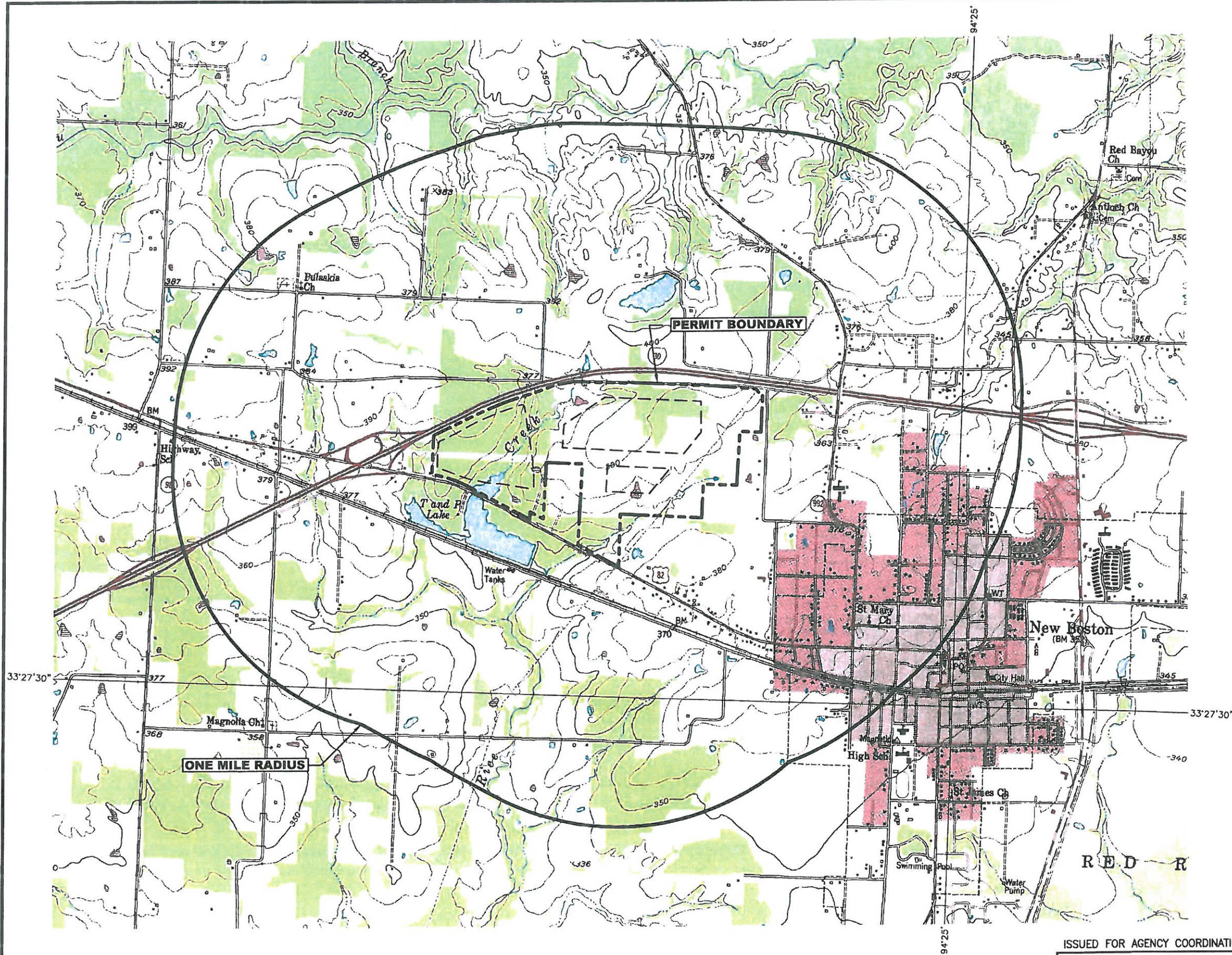
New Boston Landfill

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Rev. 0, 7/01/13

Appendix IIH

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- LEGEND**
- PROPERTY BOUNDARY
 - - - LANDFILL FOOTPRINT
 - ONE MILE RADIUS

NEW BOSTON, TEX.
 33094-D4-TF-024
 PHOTOINSPECTED 1975
 1984
 PHOTOREVISED 1970
 DMA 7150 IV MW-SERIES V882

- ROAD CLASSIFICATION**
- Heavy-duty _____
 - Medium-duty _____
 - Light-duty _____
 - Unimproved dirt _____
 - Interstate Route (I-shield)
 - U. S. Route (circle with number)
 - State Route (circle with number)

NOTE:
 1. TOPOGRAPHIC BASE MAP DOWNLOADED FROM USGS WEBSITE ON MARCH 1, 2012.



GENERAL TOPOGRAPHIC MAP
WASTE MANAGEMENT OF TEXAS, INC.
NEW BOSTON LANDFILL
PERMIT AMENDMENT APPLICATION

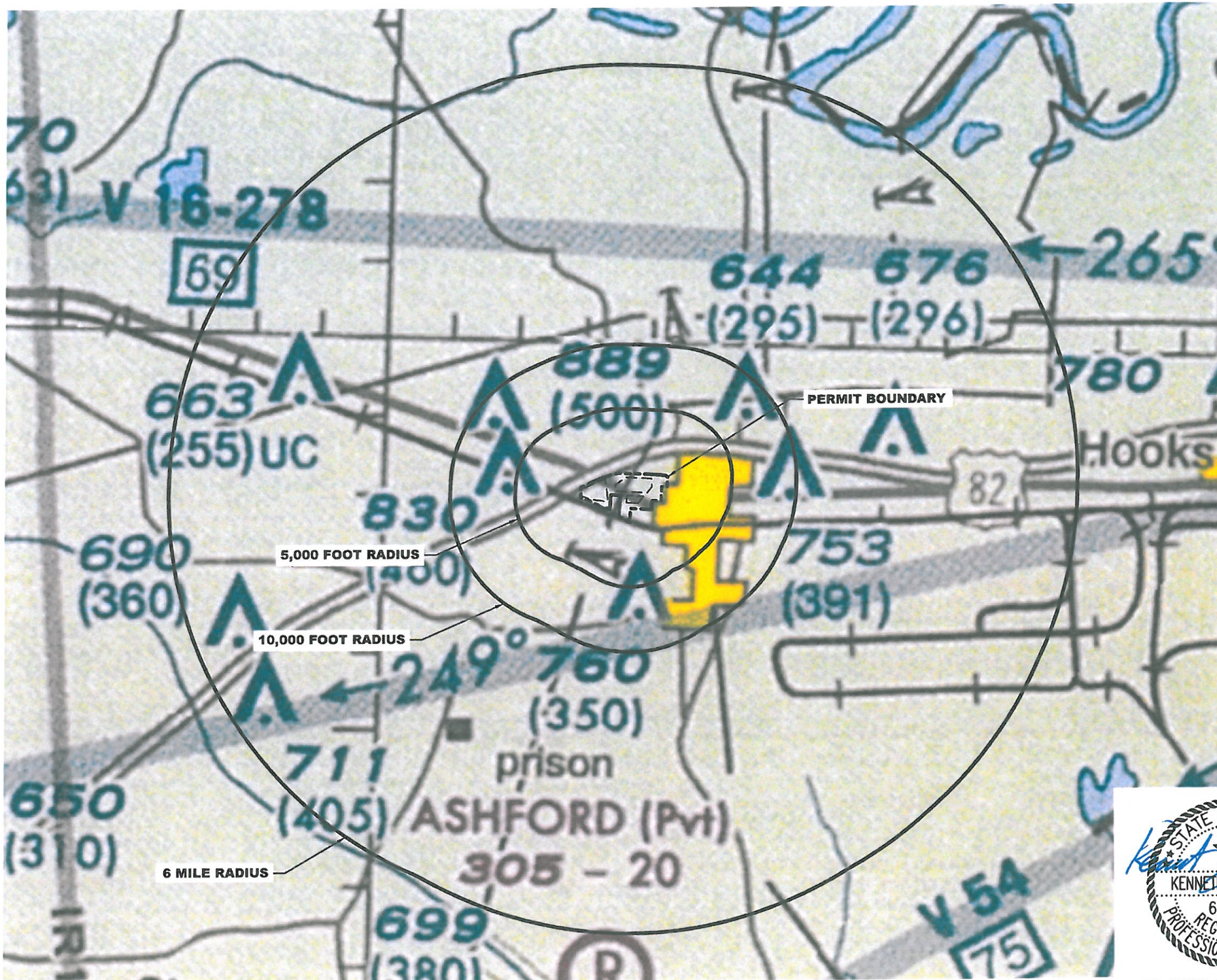


BIGGS & MATHEWS
ENVIRONMENTAL
CONSULTING ENGINEERS
 MANSFIELD
 DALLAS • WICHITA FALLS
 817-563-1144

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. KJW DATE: 04/12
							DWN. SRC SCALE: GRAPHIC
							CHK. KJW DWG: 1-GenTopoMap.dwg
							DRAWING
							1

j:\101\05\112\FAA\2-AirportMap.dwg Layout: Layout1 User: scundiff



LEGEND

--- PERMIT BOUNDARY
 - - - LANDFILL FOOTPRINT

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.
- ⚓ Seaplane Base

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

ADDITIONAL AIRPORT INFORMATION

Ⓜ Private "(Pvt)" - Non-public use having emergency or landmark value

OBSTRUCTIONS

- ▲ 1000 ft. and higher AGL
- ▲ below 1000 ft. AGL
- ▲ or ▲ Obstruction with high-intensity lights; may operate part-time.
- 2049 (1149) UC - Elevation of the top above mean sea level; Height above ground; Under construction or reported; position and elevation unverified

TOPOGRAPHIC INFORMATION

- Ⓜ Roads & Road Markers
- Ⓜ Railroad
- Ⓜ Power Transmission Line
- Ⓜ Aerial Cable
- Landmark Feature - stadium, factory, school, golf course, etc.
- Ⓜ Outdoor Theater
- Ⓜ Lookout Tower 618 (Elevation Base of Tower)

- NOTE:**
1. THERE ARE NO PUBLIC USE AIRPORTS LOCATED WITHIN SIX MILES OF THE FACILITY.
 2. BASE MAP IS FAA SECTIONAL AERONAUTICAL CHART MEMPHIS, 87th EDITION, EFFECTIVE SEPT. 22, 2011.



ISSUED FOR AGENCY COORDINATION PURPOSES

REVISIONS						TBPE FIRM NO. F-258	TBPG FIRM NO. 50222
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY	DRAWING
							2

AIRPORT MAP

WASTE MANAGEMENT OF TEXAS, INC.
 NEW BOSTON LANDFILL
 PERMIT AMENDMENT APPLICATION

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



BIGGS & MATHEWS ENVIRONMENTAL

Consulting Engineers • Hydrogeologists

Mansfield • Wichita Falls

March 11, 2013

Mr. Bill Mitchell
Airports Division
Safety and Standards Branch, ASW-623
U.S. Department of Transportation
Federal Aviation Administration
2601 Meacham Boulevard
Fort Worth, Texas 76137

Re: Waste Management of Texas, Inc. (WMTX)
New Boston Landfill
Proposed Landfill Expansion
Documentation of Coordination Relating to Airport Safety
Additional Information

Dear Mr. Mitchell:

As we have discussed, Biggs & Mathews Environmental is preparing a permit amendment application for the New Boston Landfill located in Bowie County, Texas, on behalf of Waste Management of Texas, Inc. Texas Commission on Environmental Quality rules (30 TAC §330.61(i)(5)) require documentation of coordination with the Federal Aviation Administration. We submitted an initial request to FAA in April 2012 regarding the proposed landfill expansion. Based on your initial review and our discussion, we are providing additional information to assist in your review.

We have revised Drawing 1 – General Topographic Map and Drawing 2 – Airport Map previously submitted. Both drawing base maps have been updated to use the most recent base map published. Drawing 2 uses the FAA Sectional Aeronautical Chart Memphis, 89th Edition, dated September 20, 2012. Drawing 1 uses a USGS base map updated in 2012. Both of these base maps were downloaded in February 2013.

The New Boston Landfill, MSW Permit No. 576B, was previously expanded in 2002. Coordination with FAA was conducted as part of the 2002 landfill expansion, and was assigned File No. 21-012TX. A copy of the FAA response letter is attached. The response indicates there is no record of existing or planned public-use airports within 5 miles of the site and that FAA had no objection to the proposed expansion from the standpoint of potential bird hazards to aircraft.

The existing and proposed expansion is a Type I municipal solid waste landfill with a proposed maximum elevation of approximately 525 feet above mean sea level, which is approximately 150 feet above the existing highest ground elevation (380 feet above mean sea level) of the site. The proposed expansion adds additional property to the east of the existing landfill permit boundary and adds two new waste disposal footprints. The existing landfill is designated as the West Disposal Area for this expansion. The maximum elevation of 525 feet above mean sea level occurs within the existing or West Disposal Area. The two expansion areas are designated as the North Disposal Area, which will receive municipal solid waste and the South Disposal Area which will receive only construction and demolition waste and no putrescible wastes. Refer to Drawing 3 – Site Layout Plan and Drawing 4 – Landfill Completion Plan for the location of each disposal area within the overall landfill permit boundary and the landfill completion plan with the maximum elevation and its location identified for each disposal area. We have added the facility coordinates to Drawing 1. We have also added the coordinates to the maximum elevation of each waste disposal area, shown on Drawing 4.

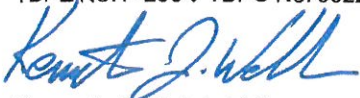
Mr. Bill Mitchell
March 11, 2013
Page 2

Please indicate in writing if the facility is (1) located within 10,000 feet of any public airport runway used by turbojet aircraft, (2) within 5,000 feet of any public airport runway used by only piston-type aircraft, and (3) advise us of the locations of public-use airports within a 5-mile radius of the site, if any. Also please confirm that there are no General Aviation Airports as defined in H.R. Bill 1000, Section 503, within a 6-mile radius of the existing and proposed expansion of the facility.

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

Sincerely,

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



Kenneth J. Welch, P.E.
Principal Engineer

Attachments: FAA Coordination Letter – May 4, 2001
Drawing 1 – General Topographic Map
Drawing 2 – Airport Map
Drawing 3 – Site Layout Plan
Drawing 4 – Landfill Completion Plan

cc: Mr. Steve Jacobs, Waste Management of Texas (1)
Mr. Guy Campbell, Waste Management of Texas (1)



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

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

Fort Worth, Texas 76193-0000

MAY 4 2001

Mr. Robert H. Murray, P.E.
President/CEO
Murray, Thomas & Griffin, Inc.
P.O. Box 3786
Texarkana, TX 75501

Dear Mr. Murray:

We have reviewed the proposed permit application for a expansion of the existing New Boston Landfill on the west side of New Boston, Texas, as described in your April 27, 2001 letter. We have no record of any existing or planned public-use airports within 5 miles of the site and we have no objection to the proposal from the standpoint of potential bird hazards to aircraft. The 6-mile legal restriction against new landfills does not apply to this site.

This site has been assigned our File No. 21-012TX. Please refer to this number in any future correspondence regarding this site. Thank you for coordinating it with us.

Enclosed are copies of Advisory Circulars 150/5200-33 and 150/5200-34, which explain land-use recommendations with respect to bird hazards near public-use airports.

Sincerely,

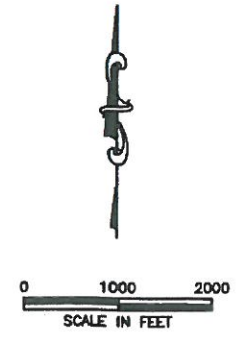
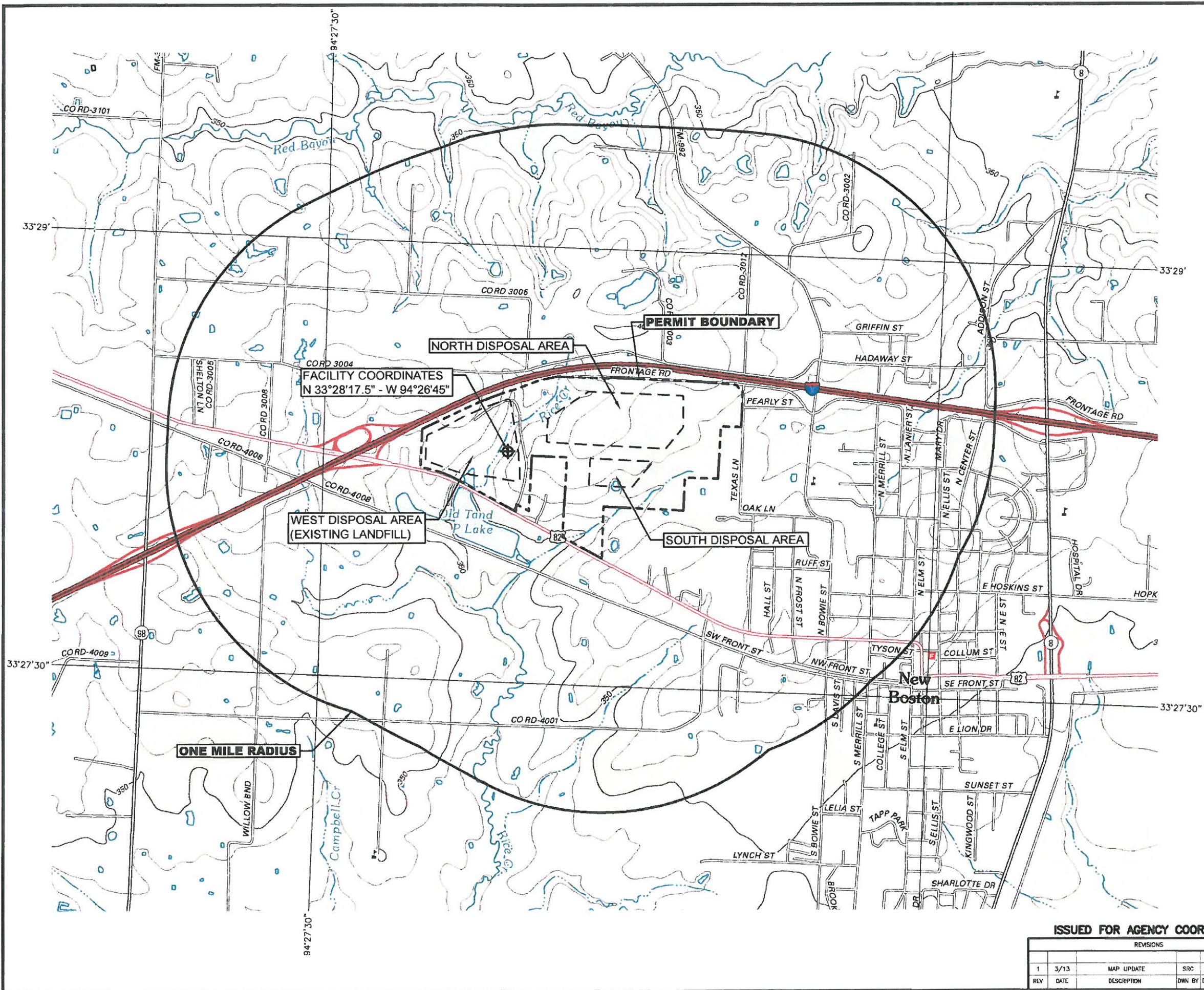
Joseph G. Washington
Manager, Safety and Standards Branch

Enclosures

NEW BOSTON LANDFILL
TECHNICALLY COMPLETE JUNE 10, 2002

IIA-2.2

J:\101\05\112\FAA\1-GenTopoMap.dwg Layout: Layout 1 User: scundiff



- LEGEND**
- PERMIT BOUNDARY
 - LANDFILL FOOTPRINT
 - ONE MILE RADIUS

**NEW BOSTON, TX
2012**

- ROAD CLASSIFICATION**
- Interstate Route
 - US Route
 - Ramp
 - State Route
 - Local Road
 - 4WD

NOTE:
1. TOPOGRAPHIC BASE MAP IS US TOPO 7.5 MINUTE QUADRANGLE NEW BOSTON, TEX 2012 DOWNLOADED FROM USGS WEBSITE ON FEBRUARY 6, 2013



GENERAL TOPOGRAPHIC MAP
WASTE MANAGEMENT OF TEXAS, INC.
NEW BOSTON LANDFILL
PERMIT AMENDMENT APPLICATION

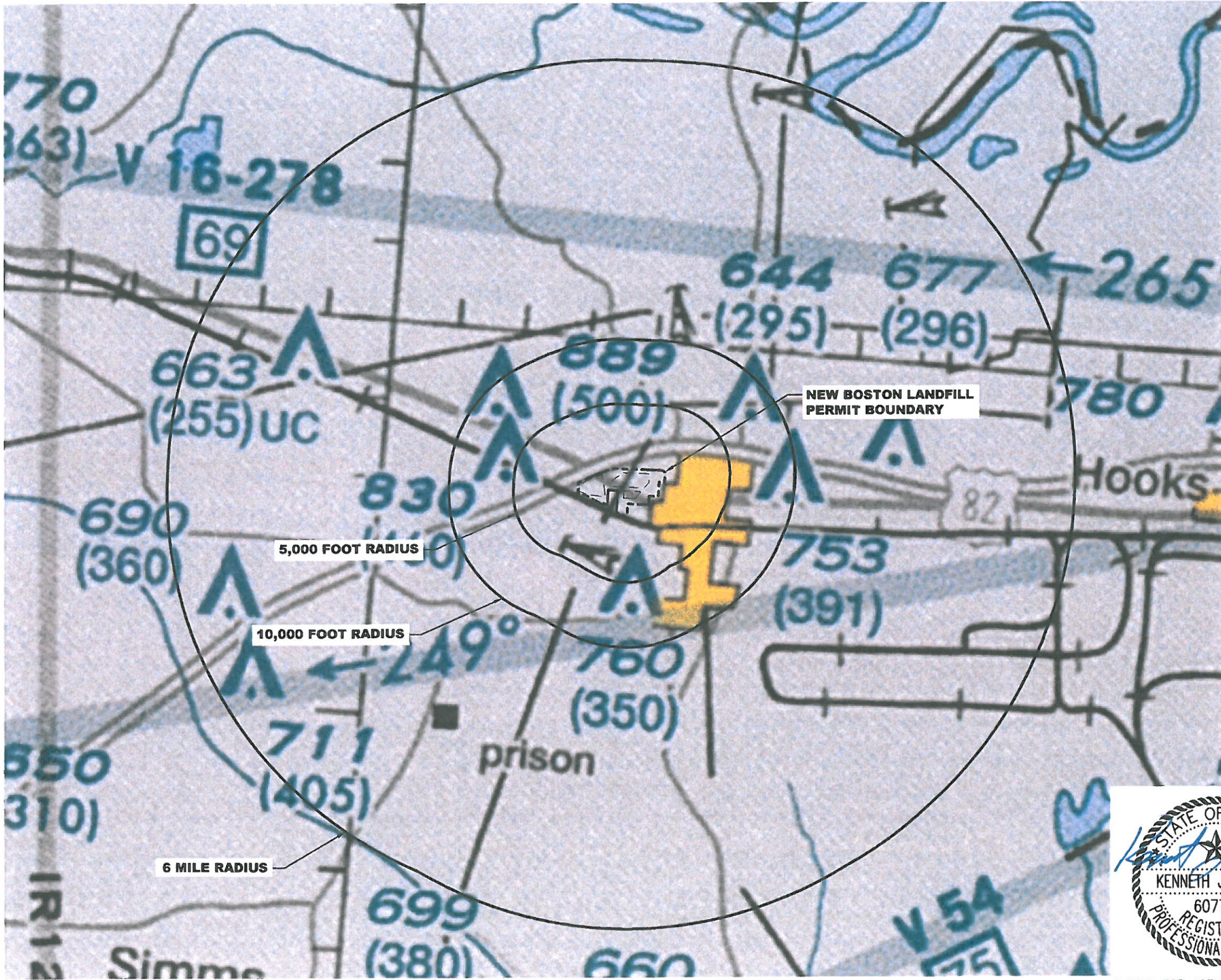


BIGGS & MATHEWS
ENVIRONMENTAL
CONSULTING ENGINEERS
MANSFIELD
DALLAS • WICHITA FALLS
817-563-1144

ISSUED FOR AGENCY COORDINATION

REVISIONS							TBPE FIRM NO. F-256		TBPG FIRM NO. 50222	
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY	DSN.	MJW	DATE	SCALE
1	3/13	MAP UPDATE	SRC	KJW	KJW	KJW	DWN.	SRC	04/12	GRAPHIC
							CHK.	KJW	DWG : 1-GenTopoMap.dwg	

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- LEGEND**
- PERMIT BOUNDARY
 - LANDFILL FOOTPRINT
- AIRPORTS**
- Other than hard-surfaced runways
 - Seaplane Base
 - ⊗ 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.
- ADDITIONAL AIRPORT INFORMATION**
- Ⓜ Private "Pvt" - Non-public use having emergency or landmark value

- OBSTRUCTIONS**
- Ⓜ 1000 ft. and higher AGL
 - Ⓜ below 1000 ft. AGL
 - Ⓜ or Ⓜ Group Obstruction
 - Ⓜ or Ⓜ Obstruction with high-intensity lights; may operate part-time.
 - 2049 → Elevation of the top above mean sea level
 - (1149) ← Height above ground
 - UC ← Under construction or reported; position and elevation unverified
- TOPOGRAPHIC INFORMATION**
- 85 40 Roads & Road Markers
 - Ⓜ Railroad
 - Ⓜ Power Transmission Line
 - Ⓜ Aerial Cable
 - Ⓜ Landmark Feature - stadium, factory, school, golf course, etc.
 - Ⓜ Outdoor Theater
 - Ⓜ Lookout Tower
 - 618 (Elevation Base of Tower)

- NOTE:**
1. THERE ARE NO PUBLIC USE AIRPORTS LOCATED WITHIN SIX MILES OF THE FACILITY.
 2. BASE MAP IS FAA SECTIONAL AERONAUTICAL CHART MEMPHIS, 89th EDITION, EFFECTIVE SEPT. 20, 2012.



ISSUED FOR AGENCY COORDINATION

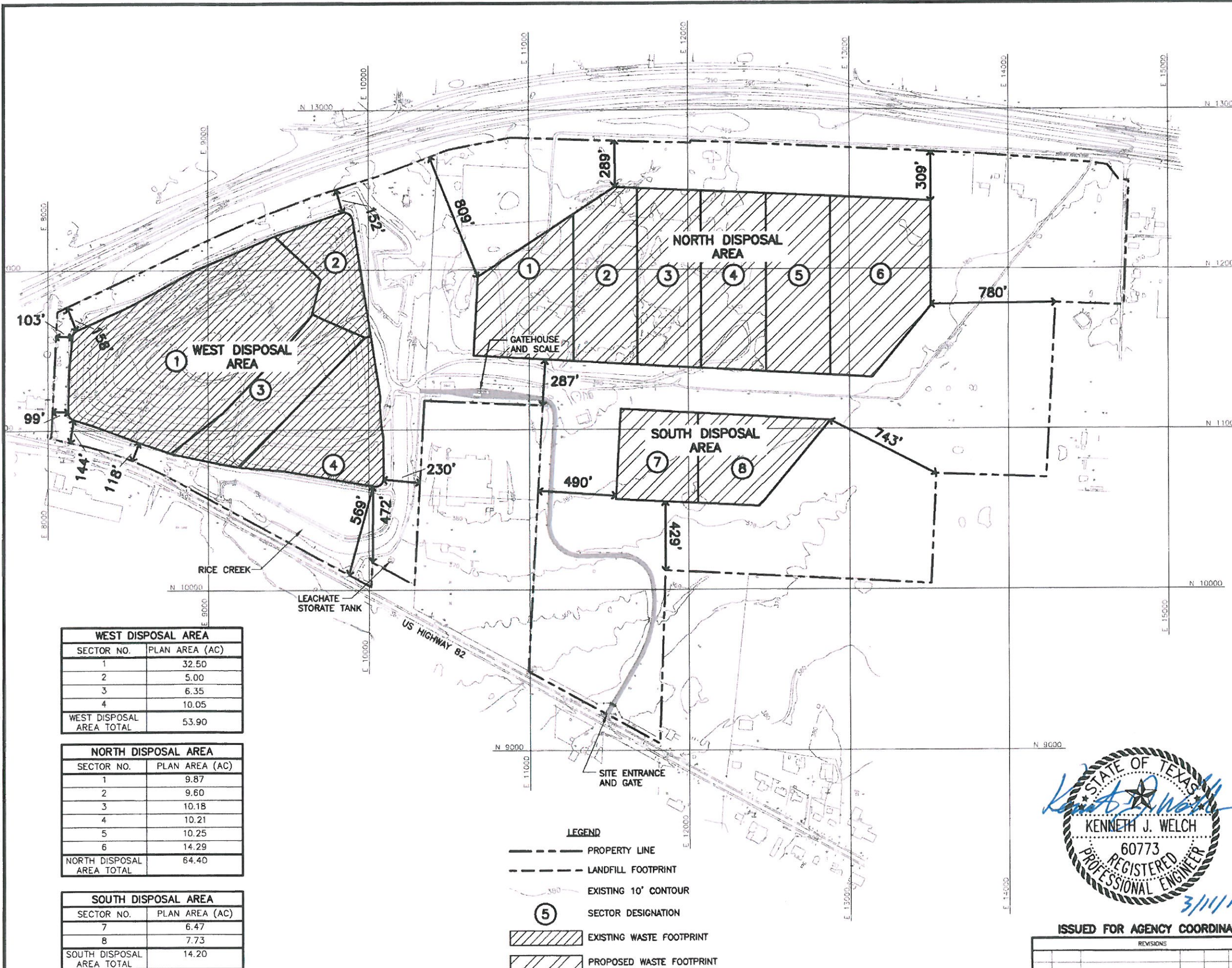
AIRPORT MAP

WASTE MANAGEMENT OF TEXAS, INC.
NEW BOSTON LANDFILL
PERMIT AMENDMENT APPLICATION

BIGGS & MATHEWS
 ENVIRONMENTAL
 CONSULTING ENGINEERS
 MANSFIELD
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 817-563-1144

REVISIONS					TBPE FIRM NO. F-256		TBPC FIRM NO. 50222	
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REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY	CHK	SCALE : GRAPHIC
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								DRAWING 2

U:\101\05\112\FAA\3-SiteLayout.dwg Layout: LAYOUT 1 User: soundiff



NOTES:

1. EXISTING CONTOURS COMPILED BY AIR SURVEY FROM AERIAL PHOTOGRAPHY FLOWN MARCH 5, 2012.
2. PERMIT BOUNDARY PROVIDED BY MTG ENGINEERS AND SURVEYORS, INC.
3. ACTIVE WASTE DISPOSAL AREA IS THE WEST DISPOSAL AREA.
4. EXISTING VEGETATION AND FENCING PROVIDE SCREENING OF DEPOSITED WASTE. VISUAL SCREENING IS PROVIDED AS PART OF ONGOING WASTE DISPOSAL OPERATIONS AND SEQUENCE OF DEVELOPMENT.
5. THE SITE ENTRANCE ROAD IS AN EXISTING CONCRETE PAVED ROADWAY THROUGH THE GATEHOUSE AREA.
6. THERE ARE NO PIPELINE OR UTILITY EASEMENTS THAT WILL AFFECT SOLID WASTE UNLOADING, STORAGE, DISPOSAL OR PROCESSING OPTIONS.
7. SOLID WASTE UNLOADING, STORAGE, DISPOSAL, AND PROCESSING OPERATIONS IN THE NORTH AND SOUTH DISPOSAL AREAS WILL NOT OCCUR WITHIN THE 125-FOOT BUFFER ZONE. EXISTING FACILITIES THAT HAVE LESS THAN A 125-FOOT BUFFER SUCH AS THE LEACHATE STORAGE FACILITY, GATE HOUSE AND SCALES, AND TRUCK WHEEL WASH ARE IN ACCORDANCE WITH §330.543(b)(2).
8. DISTANCES FROM THE PERMIT BOUNDARY TO THE LANDFILL ARE SHOWN. OPERATIONS LOCATED WITHIN THE LANDFILL FOOTPRINT INCLUDE THE WASTE DISPOSAL AREAS, LARGE ITEM STORAGE AREA, AND REUSABLE MATERIALS STAGING AREA.
9. DISTANCED FROM THE PERMIT BOUNDARY TO THE OPERATIONS LOCATED BETWEEN THE LANDFILL FOOTPRINT AND THE PERMIT BOUNDARY ARE SHOWN. THESE OPERATIONS INCLUDE THE FLARE FACILITY, CITIZEN'S CONVENIENCE CENTER, LEACHATE STORAGE FACILITY, AND TRUCK WHEEL WASH.

WEST DISPOSAL AREA	
SECTOR NO.	PLAN AREA (AC)
1	32.50
2	5.00
3	6.35
4	10.05
WEST DISPOSAL AREA TOTAL	
	53.90

NORTH DISPOSAL AREA	
SECTOR NO.	PLAN AREA (AC)
1	9.87
2	9.60
3	10.18
4	10.21
5	10.25
6	14.29
NORTH DISPOSAL AREA TOTAL	
	64.40

SOUTH DISPOSAL AREA	
SECTOR NO.	PLAN AREA (AC)
7	6.47
8	7.73
SOUTH DISPOSAL AREA TOTAL	
	14.20

- LEGEND**
- PROPERTY LINE
 - LANDFILL FOOTPRINT
 - EXISTING 10' CONTOUR
 - ⑤ SECTOR DESIGNATION
 - EXISTING WASTE FOOTPRINT
 - PROPOSED WASTE FOOTPRINT



3/11/13

ISSUED FOR AGENCY COORDINATION

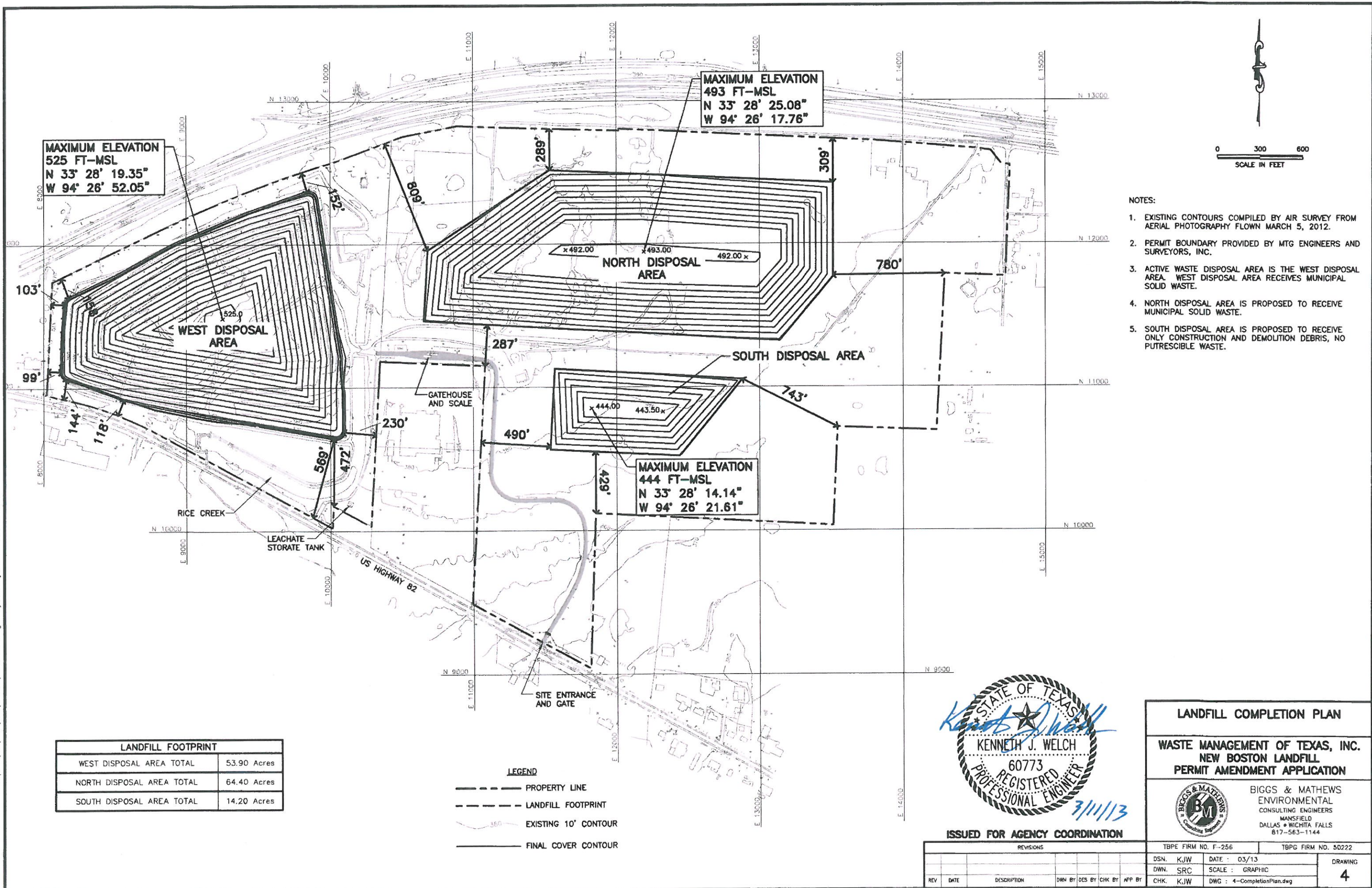
REVISIONS							TBPE FIRM NO. F-256	TBPG FIRM NO. 50222
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY	DSN. KJW	DATE : 03/13
							DWN. SRC	SCALE : GRAPHIC
							CHK. KJW	DWG : 3-SiteLayout.dwg

SITE LAYOUT PLAN

WASTE MANAGEMENT OF TEXAS, INC.
NEW BOSTON LANDFILL
PERMIT AMENDMENT APPLICATION

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

J:\101\05\112\FAA\4-CompletionPlan.dwg Layout: Layout 1 User: scundiff



- NOTES:
- EXISTING CONTOURS COMPILED BY AIR SURVEY FROM AERIAL PHOTOGRAPHY FLOWN MARCH 5, 2012.
 - PERMIT BOUNDARY PROVIDED BY MTG ENGINEERS AND SURVEYORS, INC.
 - ACTIVE WASTE DISPOSAL AREA IS THE WEST DISPOSAL AREA. WEST DISPOSAL AREA RECEIVES MUNICIPAL SOLID WASTE.
 - NORTH DISPOSAL AREA IS PROPOSED TO RECEIVE MUNICIPAL SOLID WASTE.
 - SOUTH DISPOSAL AREA IS PROPOSED TO RECEIVE ONLY CONSTRUCTION AND DEMOLITION DEBRIS, NO PUTRESCIBLE WASTE.

LANDFILL FOOTPRINT	
WEST DISPOSAL AREA TOTAL	53.90 Acres
NORTH DISPOSAL AREA TOTAL	64.40 Acres
SOUTH DISPOSAL AREA TOTAL	14.20 Acres

- LEGEND
- PROPERTY LINE
 - ... LANDFILL FOOTPRINT
 - 10' EXISTING 10' CONTOUR
 - FINAL COVER CONTOUR



ISSUED FOR AGENCY COORDINATION

LANDFILL COMPLETION PLAN

WASTE MANAGEMENT OF TEXAS, INC.
NEW BOSTON LANDFILL
PERMIT AMENDMENT APPLICATION

BIGGS & MATHEWS
ENVIRONMENTAL
CONSULTING ENGINEERS
MANSFIELD
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817-563-1144

REVISIONS						TBPE FIRM NO. F-256	TBPG FIRM NO. 50222
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY	DRAWING
							4

DSN: KJW DATE: 03/13
DWN: SRC SCALE: GRAPHIC
CHK: KJW DWG: 4-CompletionPlan.dwg



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

March 19, 2013

Mr. Kenneth J. Welch
Principle Engineer
Biggs and Mathews Environmental
1700 Robert Road, Suite 100
Mansfield, TX 76063

Re: New Boston Landfill, Bowie County TX
Proposed landfill expansion
FAA File Number: 21-012-TX

Dear Mr. Welch:

We have received your March 12, 2013 e-mailed containing the data for the proposed expansion of the New Boston Landfill, on the behalf of Waste Management of Texas, Inc. The existing landfill is a Type-1 Municipal Solid Waste Landfill with a proposed maximum elevation of approximately 525 feet above mean sea level. The proposed expansion adds additional property to the east of the existing landfill permit boundary and adds two new waste disposal footprints.

We reviewed the proposed amendment dated April 3, 2012 and March 12, 2013 and have made a determination of no objection to the proposed expansion of the New Boston Type-1 Municipal Solid Waste Landfill. The determination of no objection was based on the data and coordinates provided in your March 12, 2013 e-mail. Using the coordinates of 33 28' 19.35"N, 26 52' 52.05W and 33 28' 25.08N, 94 26' 17.16W, we determine that there are no public use airports located within 5 miles of the proposed expansion area of the New Boston Landfill.

This proposed landfill expansion application review has been included under the existing FAA file number of 21-012-TX. 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 feel free to contact me.

Sincerely,

William Mitchell
Lead Airport Certification Safety Inspector
(817) 222-5621
bill.mitchell@faa.gov

cc: Mr. Jeff Holderread, Team Leader
Municipal Solid Waste Permits Section
Waste Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, TX 78711-3087

Texas Department of Transportation
Division of Aviation
125 East 11th Street
Austin, TX 78701-2483