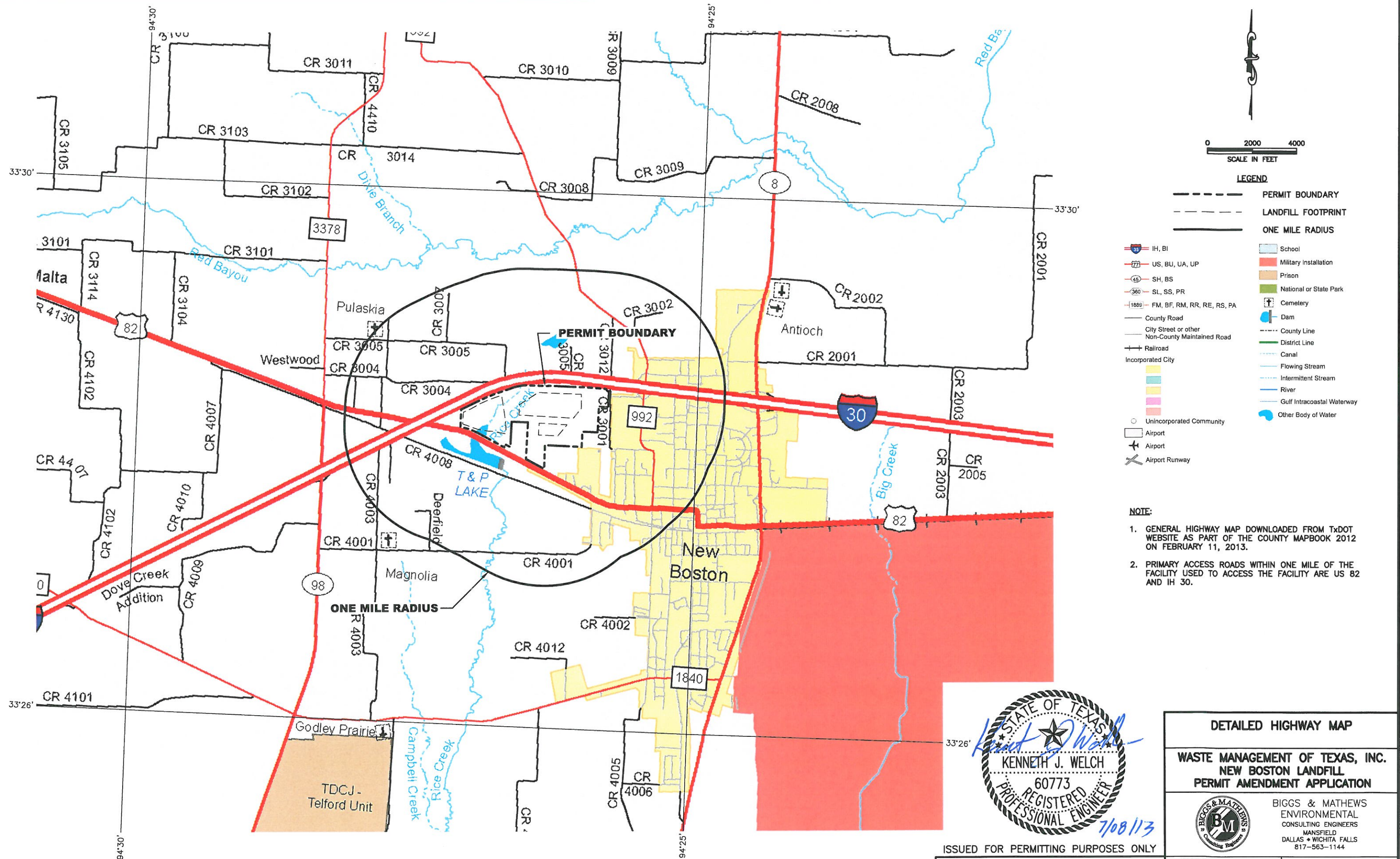


NEW BOSTON LANDFILL
APPENDIX IIA
MAPS AND DRAWINGS

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IIA.2	General Topographic Map
IIA.3	General Land Use
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IIA.6	Airport Map
IIA.7	Aerial Photograph
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IIA.22	Sector 7 Development South Disposal Area
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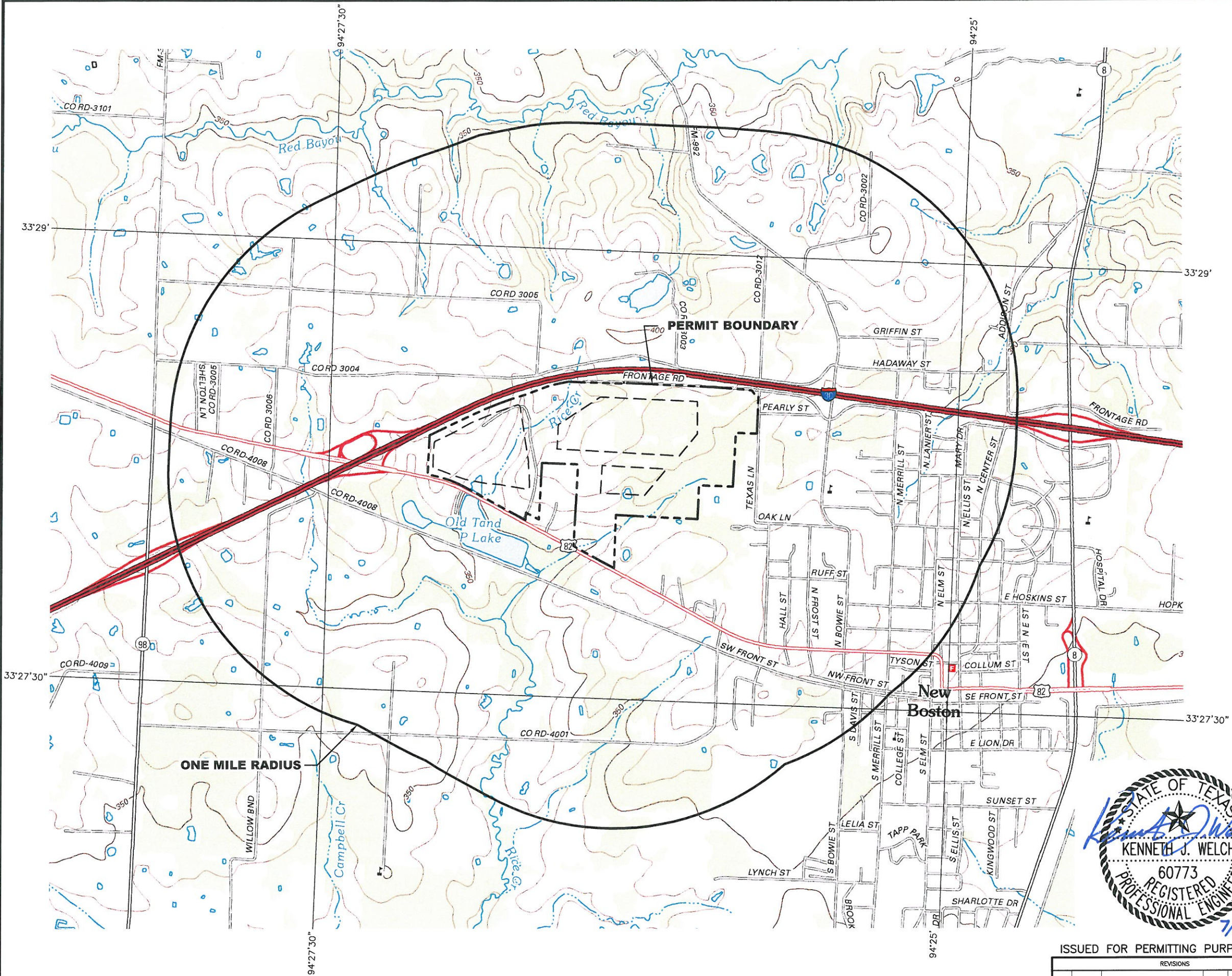
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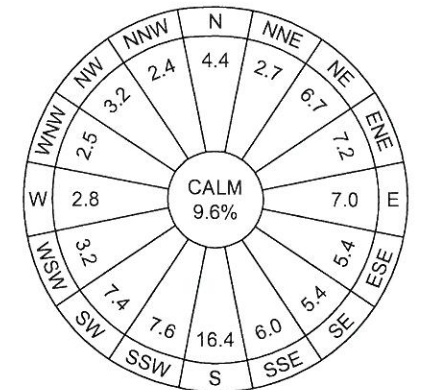
LEGEND

- PERMIT BOUNDARY
- LANDFILL FOOTPRINT
- ONE MILE RADIUS

NEW BOSTON, TX
2012

ROAD CLASSIFICATION

- Interstate Route
- US Route
- Ramp
- State Route
- Local Road
- 4WD



WIND ROSE

NOTE: WIND ROSE VALUES ARE EXPRESSED IN AVERAGE PERCENTAGE OF TIME FROM 16 COMPASS DIRECTIONS.
SOURCE: NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
PERIOD OF RECORD: SEPTEMBER 1, 1964 THRU AUGUST 31, 1968
STATION NUMBER: 13997, TEXARKANA, ARKANSAS

NOTE:

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



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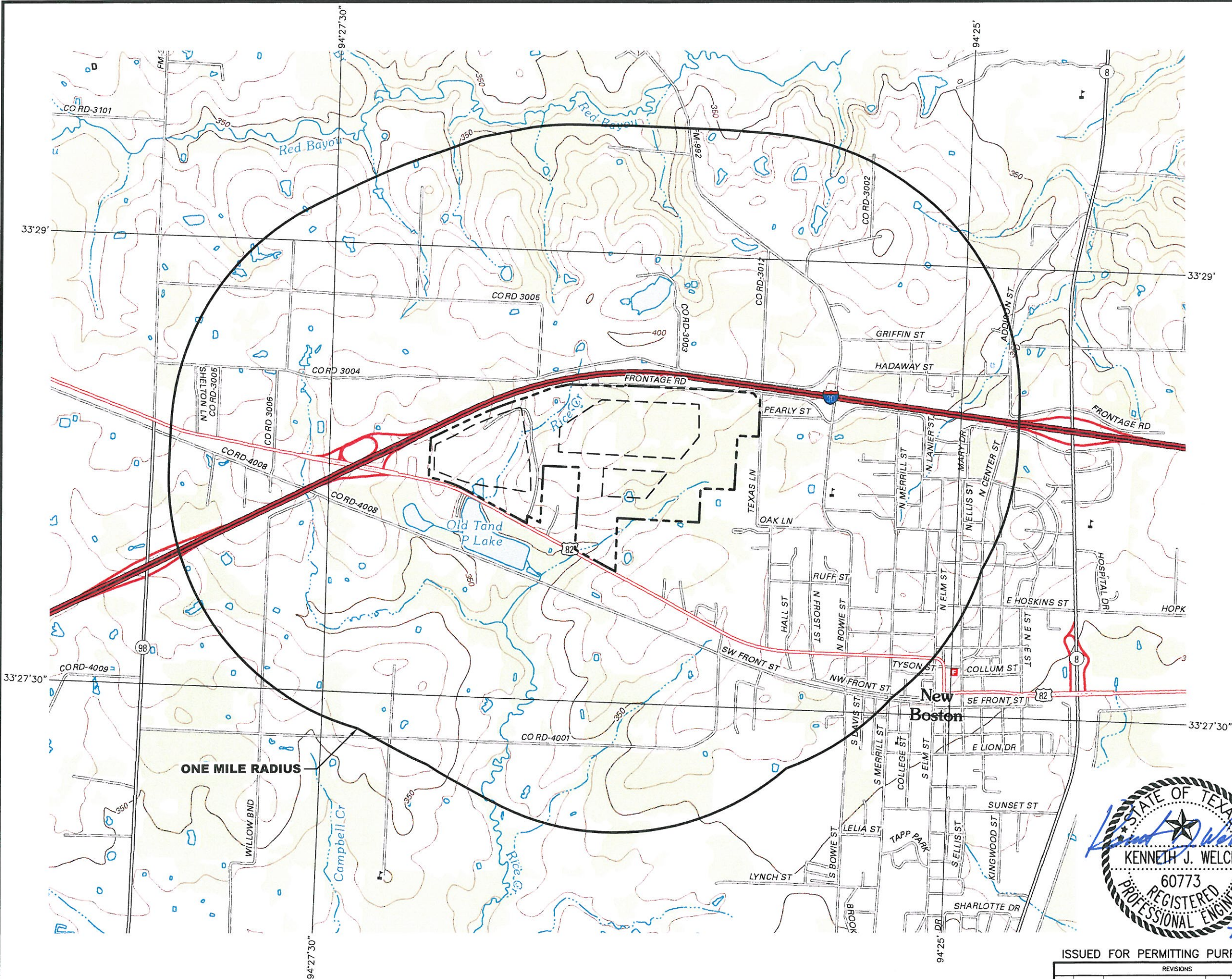
GENERAL TOPOGRAPHIC MAP

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



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STON, TX
ROAD CLASSIFICATION

Interstate Route	State Route
US Route	Local Road
Ramp	4WD

Interstate Route US Route State Route

LEGEND

---	PERMIT BOUNDARY
- - -	LANDFILL FOOTPRINT
Blue Area	SURFACE WATER BODY OR OTHER WATER

NOTE:

1. TOPOGRAPHIC BASE MAP IS US TOPO 7.5 MINUTE QUADRANGLE NEW BOSTON, TEX 2012 DOWNLOADED FROM USGS WEBSITE ON FEBRUARY 6, 2013.
2. REFER TO PART II, APPENDIX B—LAND USE ANALYSIS FOR DETAILED LAND USE INFORMATION AND LAND USE MAP. LAND USE ANALYSIS AND MAP HAS BEEN PREPARED BY MTG ENGINEERS AND SURVEYORS, INC.
3. THERE ARE 1,254 RESIDENCES AND 51 INDUSTRIAL/COMMERCIAL ESTABLISHMENTS WITHIN ONE MILE OF THE PERMIT BOUNDARY.
4. THERE ARE 8 CHURCHES, NO DAY CARE CENTERS, 1 CEMETERY, AND 1 SCHOOL WITHIN ONE MILE OF THE PERMIT BOUNDARY.
5. THERE ARE NO TEXAS STATE HISTORICAL COMMISSION HISTORIC MARKERS WITHIN ONE MILE OF THE PERMIT BOUNDARY.
6. THERE ARE NO ARCHAEOLOGICAL SITES AND NO SITES HAVING EXCEPTIONAL AESTHETIC QUALITY WITHIN ONE MILE OF THE PERMIT BOUNDARY.
7. THERE ARE NO INTAKE/DISCHARGE STRUCTURES LOCATED WITHIN OR ASSOCIATED WITH THE FACILITY.
8. THERE ARE NO WASTE DISPOSAL ACTIVITIES WITHIN THE PERMIT BOUNDARY THAT ARE NOT INCLUDED IN THIS PERMIT AMENDMENT APPLICATION.
9. REFER TO DRAWING IIA.13—GENERAL SITE PLAN FOR DRAINAGE, PIPELINE, AND UTILITY EASEMENT LOCATIONS WITHIN THE PERMIT BOUNDARY.



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DRAWING	
IIA.3	

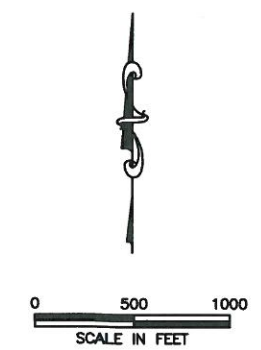
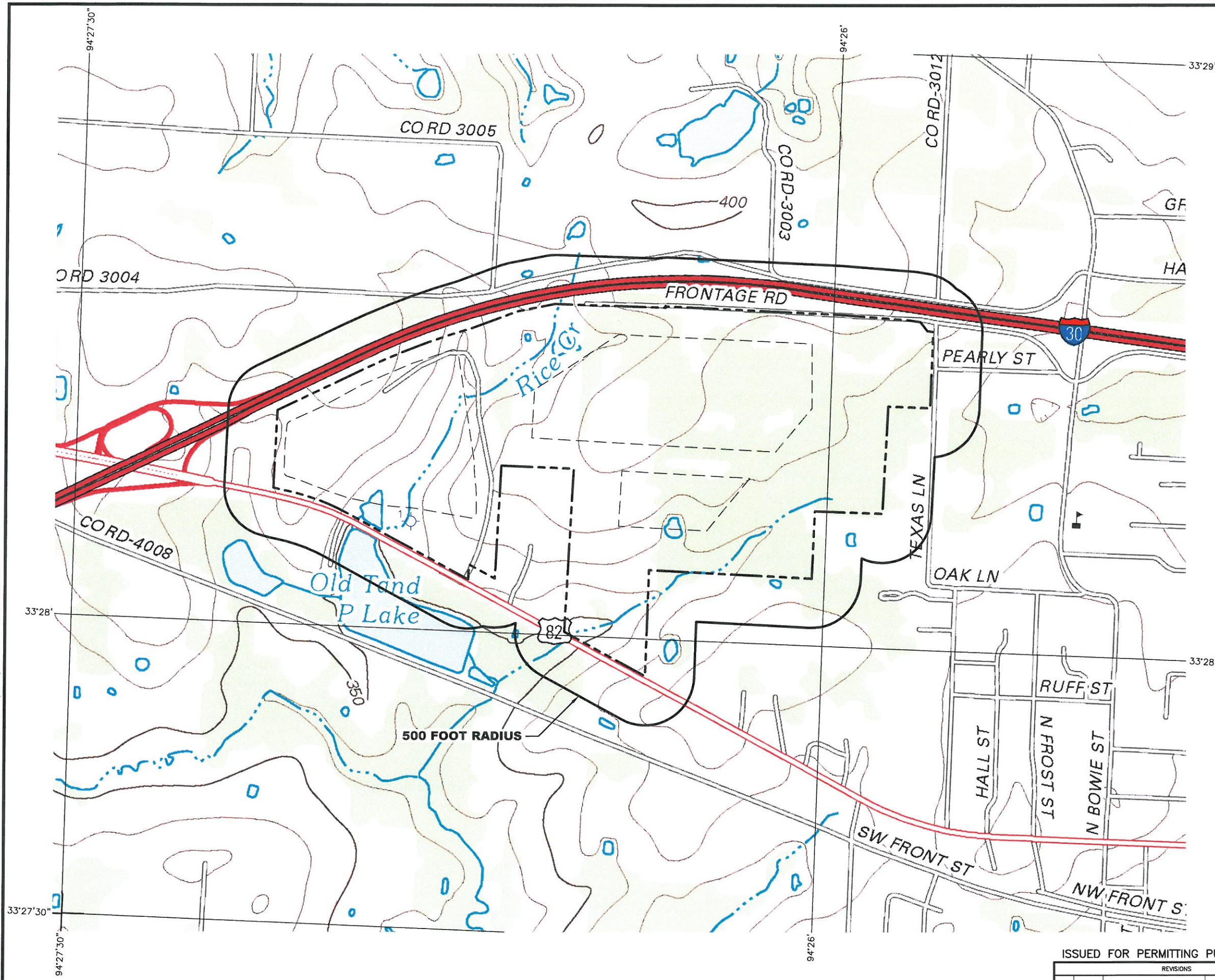
GENERAL LAND USE

WASTE MANAGEMENT OF TEXAS, INC.
NEW BOSTON LANDFILL
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NEW BOSTON, TX
2012

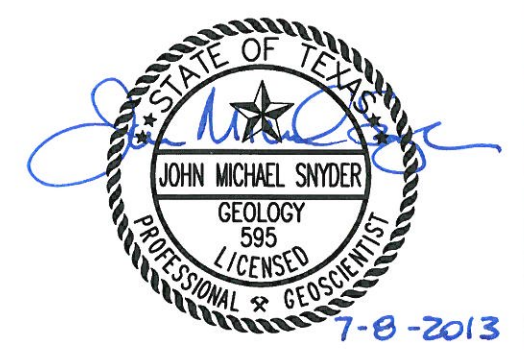
ROAD CLASSIFICATION

Interstate Route	State Route
US Route	Local Road
Ramp	4WD

LEGEND

Interstate Route	US Route	State Route
PERMIT BOUNDARY	LANDFILL FOOTPRINT	SURFACE WATER BODY OR OTHER WATER

- NOTE:**
1. TOPOGRAPHIC BASE MAP IS US TOPO 7.5 MINUTE QUADRANGLE NEW BOSTON, TEX 2012 DOWNLOADED FROM USGS WEBSITE ON FEBRUARY 6, 2013.
 2. WATER WELLS IDENTIFIED FROM ONLINE STATE RECORDS. REFER TO PART III, ATTACHMENT E FOR WATER WELL INFORMATION.
 3. THERE ARE NO KNOWN WATER WELLS WITHIN 500 FEET OF THE PERMIT BOUNDARY.
 4. THERE ARE NO SPRINGS LOCATED WITHIN ONE MILE OF THE PERMIT BOUNDARY.



WATER WELL LOCATION MAP

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

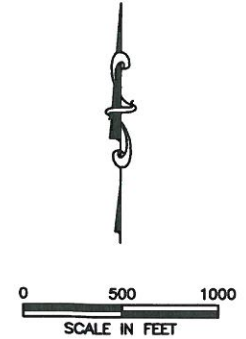
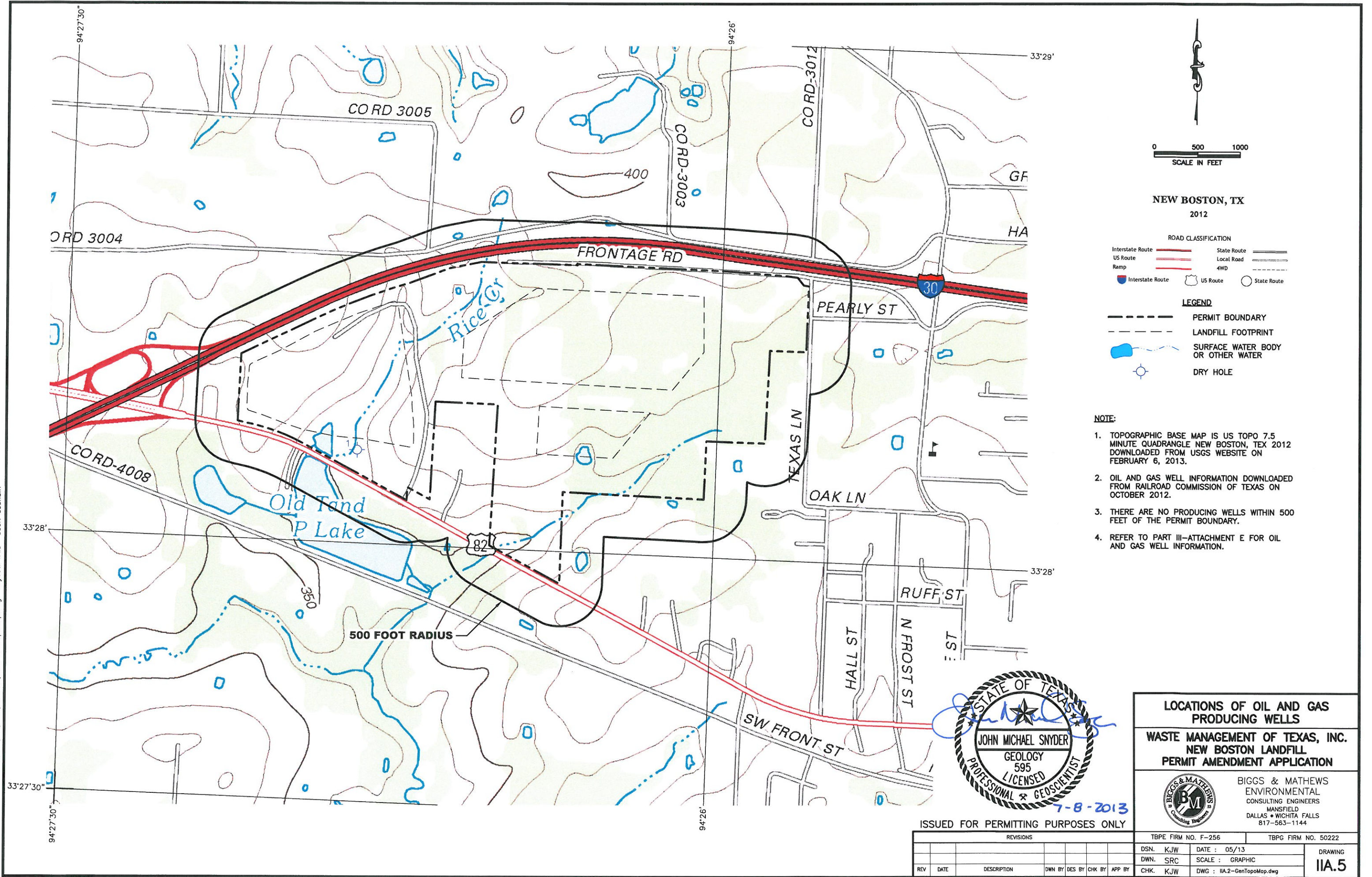


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							DWN. SRC	SCALE : GRAPHIC		
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NEW BOSTON, TX
2012

ROAD CLASSIFICATION

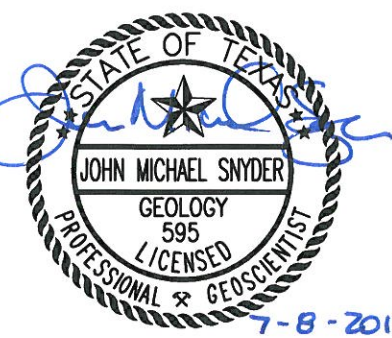
Interstate Route	State Route
US Route	Local Road
Ramp	4WD

Interstate Route US Route State Route

LEGEND

- PERMIT BOUNDARY
- LANDFILL FOOTPRINT
- SURFACE WATER BODY OR OTHER WATER
- DRY HOLE


- NOTE:**
1. TOPOGRAPHIC BASE MAP IS US TOPO 7.5 MINUTE QUADRANGLE NEW BOSTON, TEX 2012 DOWNLOADED FROM USGS WEBSITE ON FEBRUARY 6, 2013.
 2. OIL AND GAS WELL INFORMATION DOWNLOADED FROM RAILROAD COMMISSION OF TEXAS ON OCTOBER 2012.
 3. THERE ARE NO PRODUCING WELLS WITHIN 500 FEET OF THE PERMIT BOUNDARY.
 4. REFER TO PART III-ATTACHMENT E FOR OIL AND GAS WELL INFORMATION.



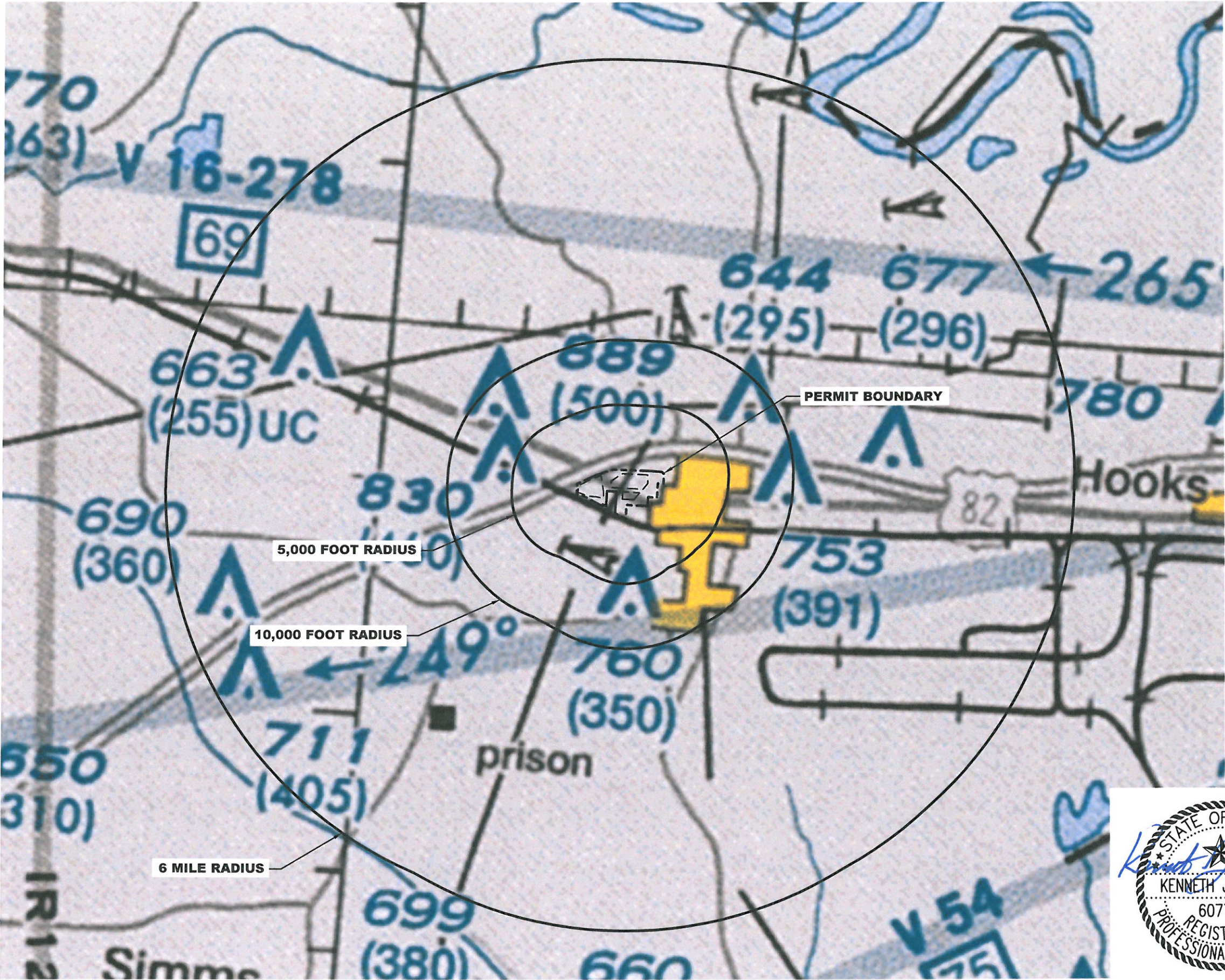
7-8-2013

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REVISIONS						
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

LOCATIONS OF OIL AND GAS PRODUCING WELLS	
WASTE MANAGEMENT OF TEXAS, INC. NEW BOSTON LANDFILL PERMIT AMENDMENT APPLICATION	
	BIGGS & MATHEWS ENVIRONMENTAL CONSULTING ENGINEERS MANSFIELD DALLAS • WICHITA FALLS 817-563-1144
DSN. KJW DWN. SRC CHK. KJW	DATE : 05/13 SCALE : GRAPHIC DWG : IIA.2-GenTopoMap.dwg
TBPE FIRM NO. F-256	TBPG FIRM NO. 50222
DRAWING IIA.5	

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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.
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
95 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)

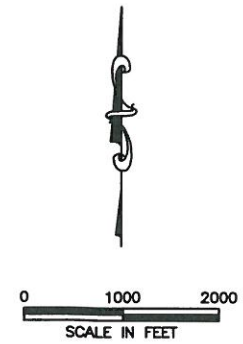
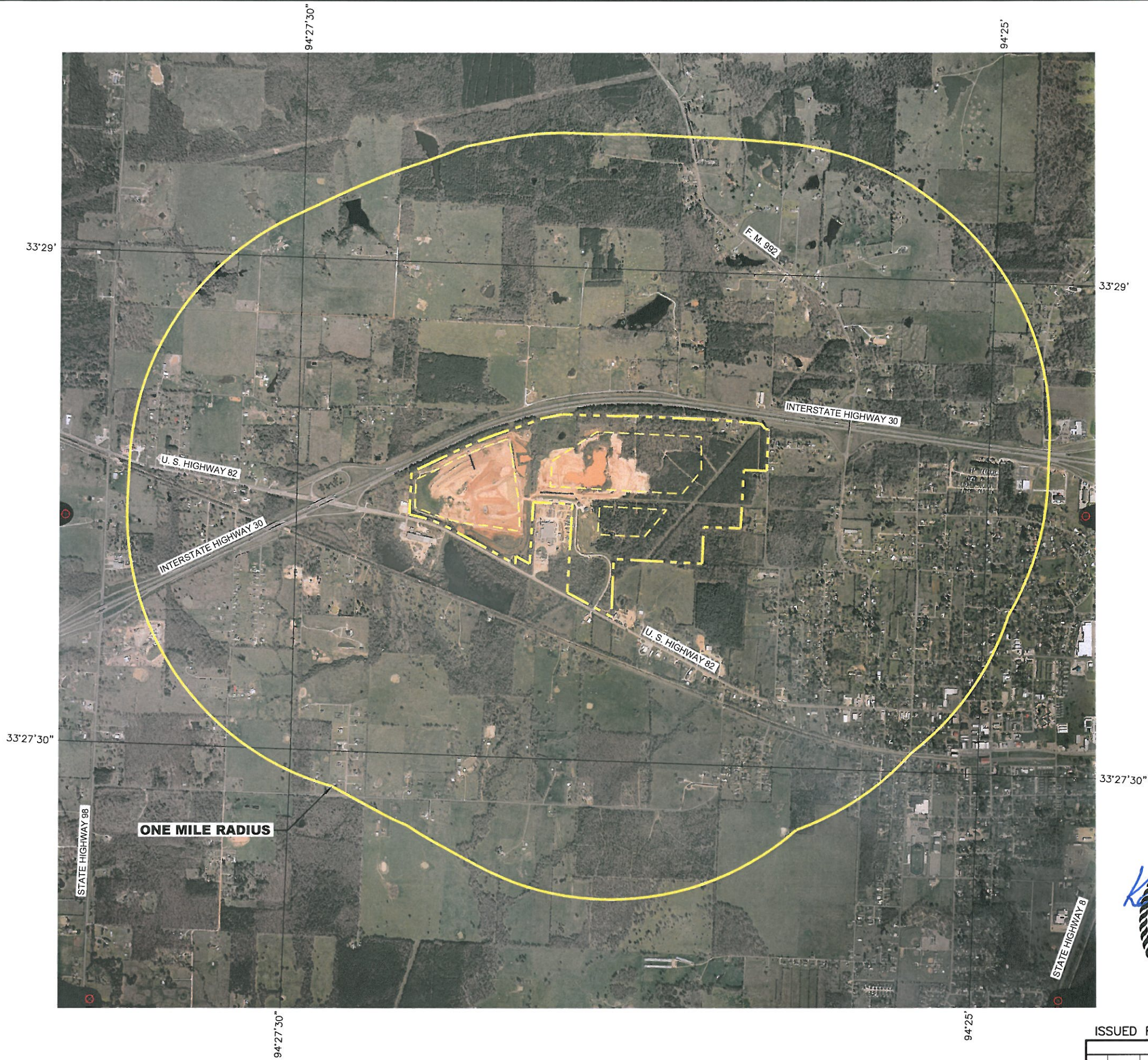
NOTE:
1. THERE ARE NO PUBLIC USE AIRPORTS LOCATED WITHIN SIX MILES OF THE FACILITY.
2. BASE MAP IS FAA SECTIONAL AERONAUTICAL CHART MEMPHIS, 89th EDITION, EFFECTIVE SEPT. 20, 2012.



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DWN.	SRC	SCALE :	GRAPHIC								
CHK.	KJW	DWG :	IIA.6-AirportMap.dwg								

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LEGEND	
	PERMIT BOUNDARY
	LANDFILL FOOTPRINT
	ONE MILE RADIUS

- NOTES:
1. AERIAL PHOTOGRAPH PROVIDED BY AERO-METRIC FROM AERIAL PHOTOGRAPHY FLOWN MARCH 5, 2012.
 2. REFER TO PART II, APPENDIX IIB—LAND USE ANALYSIS FOR DETAILED LAND USE INFORMATION, LAND USE MAP, AND GENERAL CHARACTER OF AREAS ADJACENT TO THE FACILITY AS PREPARED BY MTG ENGINEERS AND SURVEYORS, INC.
 3. GENERAL CHARACTER OF AREAS WITHIN ONE MILE OF THE PERMIT BOUNDARY PROVIDED BY MTG ENGINEERS AND SURVEYORS, INC.

GENERAL CHARACTER	
LAND USE	PERCENT
OPEN	72.4
RESIDENTIAL	18.4
PUBLIC/QUASI-PUBLIC	0.6
INDUSTRIAL	7.4
COMMERCIAL	1.2
TOTAL	100%



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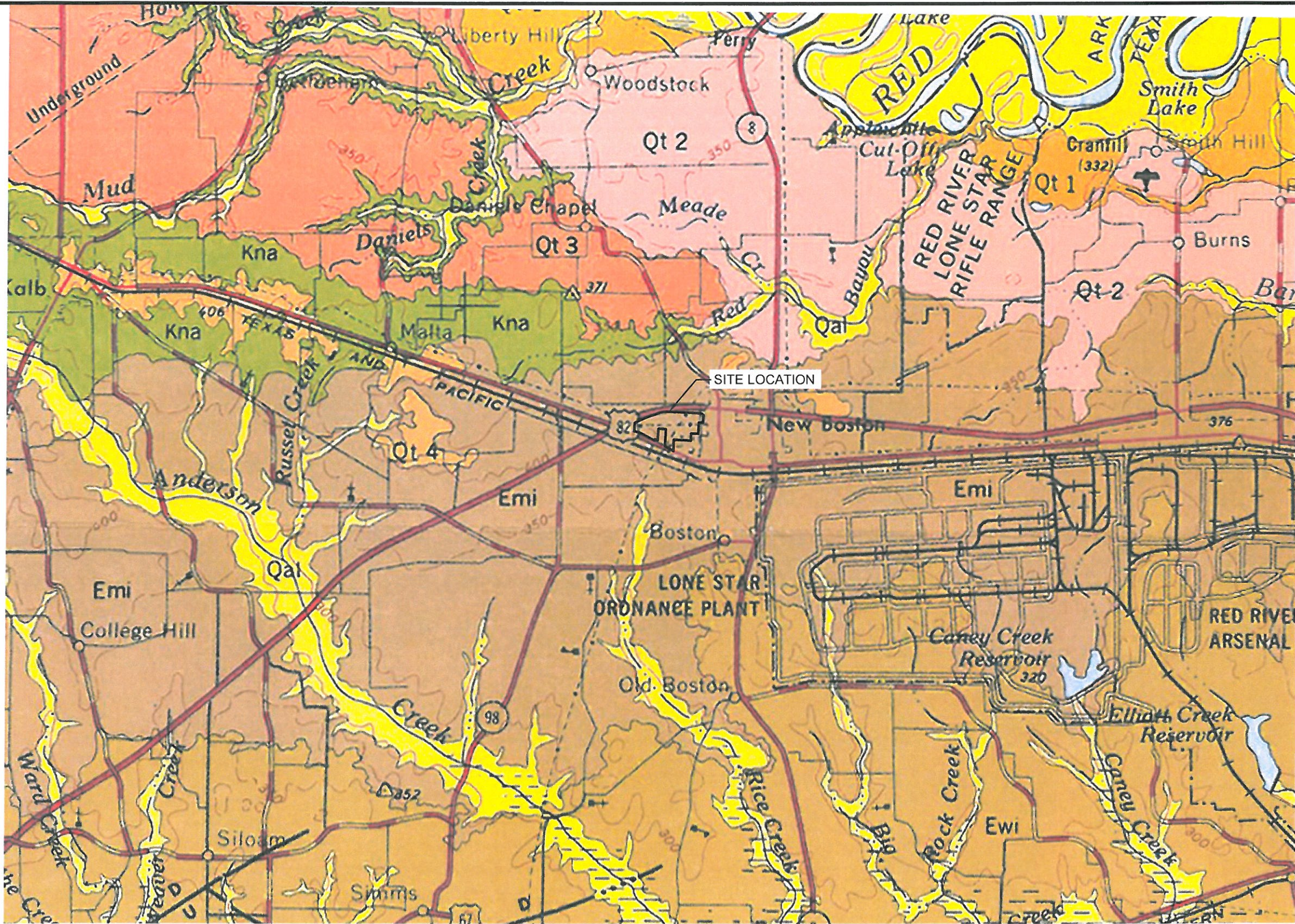
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							DWN.	SRC	SCALE :	GRAPHIC	
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AERIAL PHOTOGRAPH

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



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CONSULTING ENGINEERS
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817-563-1144



Prepared by the Army Map Service (AMTV), Corps of Engineers, U.S. Army, Washington, D.C. Compiled in 1954 by photogrammetric methods from USGS and USCE quadrangles, 1:24,000 and 1:50,000, metric detail revised by photo-planimetric methods. Horizontal and vertical control by USGS, USCGS, and USCE. Map field checked 1953. Limited revision by U.S. Geological Survey 1963.

CONTOUR INTERVAL 100 FEET
WITH SUPPLEMENTARY CONTOURS AT 50 FOOT INTERVALS

TRANSVERSE MERCATOR PROJECTION
1960 MAGNETIC DECLINATION FOR THIS SHEET VARIES FROM 6°45' EASTERLY FOR THE CENTER OF THE WEST
EDGE TO 7°30' EASTERLY FOR THE CENTER OF THE EAST EDGE. MEAN ANNUAL CHANGE IS 0.3' WESTERLY.

GEOLOGIC ATLAS OF TEXAS, TEXARKANA SHEET

ELIAS H. SELLARDS MEMORIAL EDITION

REPRINTED 1979

INDEX OF GEOLOGIC MAPPING
Numbers in outlined areas refer to items in bibliography in "Index to Areal Geologic Maps in Texas, 1891-1961," by T. E. Brown, Bureau of Economic Geology, The University of Texas (1963). For area A in Arkansas, see C. H. Dane, Upper Cretaceous Formations of Southwestern Arkansas, Arkansas Geologic Survey Bulletin 1, Plate 2 (1929). For Oklahoma, area B, see L. V. Davis, Geology and Ground-Water Resources of Southern McCurtain County, Oklahoma, Oklahoma Geological Survey Bulletin 86, Plate 1 (1960); area C, see J. D. Miser, Geologic Map of Oklahoma, U. S. Geological Survey (1954); area D, see H. D. Gibbs, Geologic Map of Eastern Choctaw County, Oklahoma, Thesis, The University of Oklahoma (1950); and for area E, in Texas, see J. C. Frye and A. B. Leonard, Pleistocene Geology of Red River Basin in Texas, University of Texas Bureau of Economic Geology Report Inv. 49 (1963).

VIRGIL E. BARNES, PROJECT DIRECTOR
Geologic mapping in Texas mostly by Humble Oil & Refining company and Shell Oil Company, supplemented by mapping from Pan American Petroleum Corporation and sources shown on Index of Geologic Mapping. Geologic mapping in Arkansas and Oklahoma in cooperation with Arkansas Geological and Conservation Commission, N. F. Williams, Director, and Oklahoma Geological Survey, C. C. Branson, Director. Oil company mapping mostly compiled by members of Geologic Atlas Project Committee, East Texas Geological Society, A. C. Wright (Shell Oil Company, retired), Chairman, H. D. McCallum, E. A. Wendlandt, and S. O. Burford (Humble Oil & Refining Company, retired), D. T. Gibson (Pan American Petroleum Corporation), and R. W. Eaton (P. G. Lake, Incorporated).
Alluvium terraces, and unmapped areas compiled by Mary Kathryn Pieper from high altitude aerial photographs and field notes by J. C. Frye and A. B. Leonard with field checking and mapping of Texas portion by C. A. Shelby, D. E. Owen and Mary Kathryn Pieper and of Arkansas portion by T. J. Freeman. Geology scribed by J. W. Macon, W. G. Jones, and Carolyn McClellan.

NOTE:
1. SEE FIGURE IIA.9 FOR LEGEND.



GEOLOGIC VICINITY MAP

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



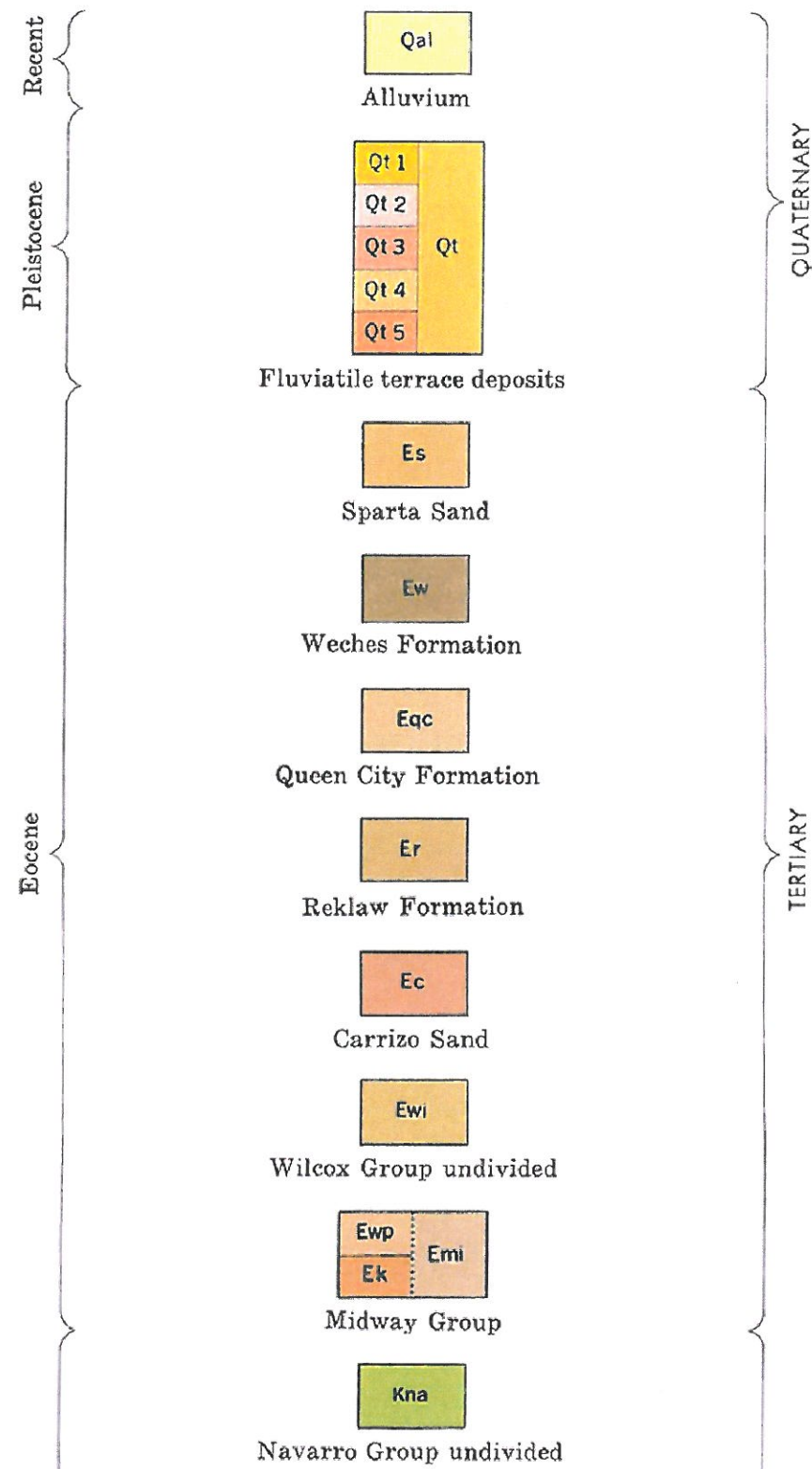
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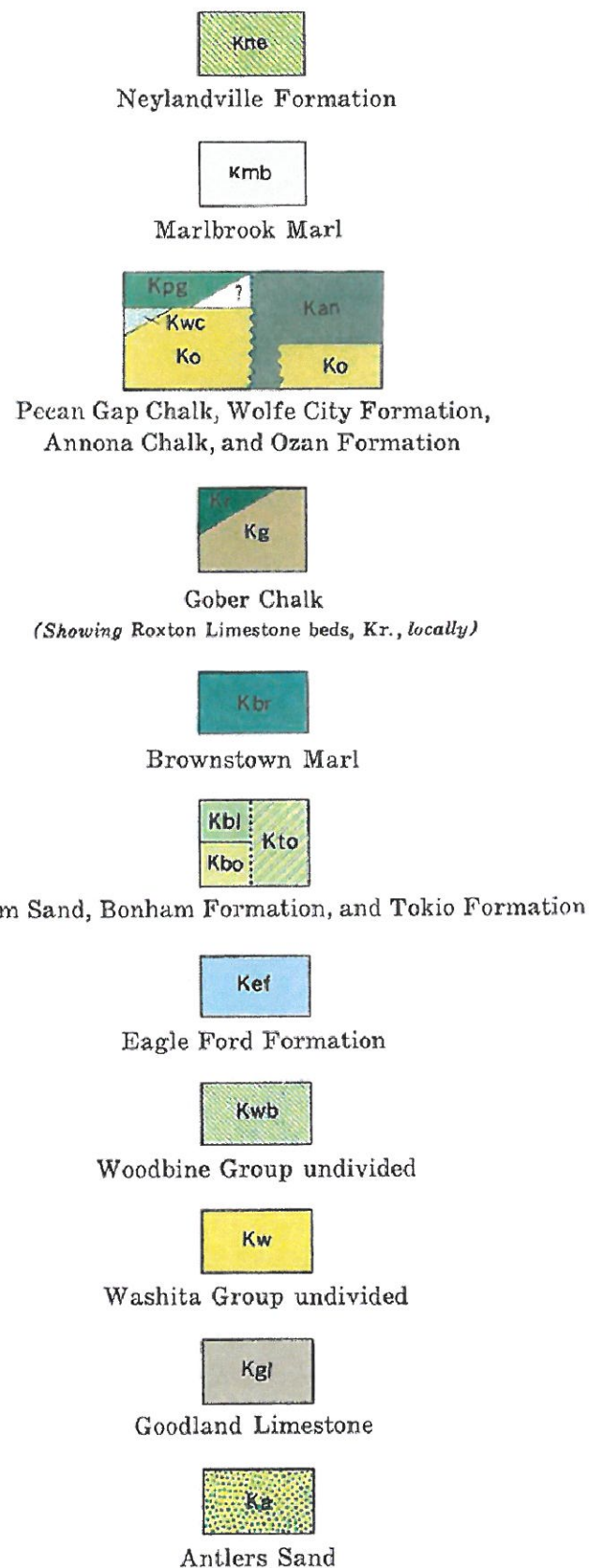
EXPLANATION

(Formations Described in Separate Text)



Upper Cretaceous

Lower Cretaceous



CRETACEOUS

INDEX OF GEOLOGIC MAPPING

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VIRGIL E. BARNES, PROJECT DIRECTOR

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GEOLOGIC VICINITY LEGEND

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



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Prepared by the Army Map Service (AMTV), Corps of Engineers, U.S. Army, Washington, D.C. Compiled in 1954 by photogrammetric methods from USGS and USCE quadrangles, 1:24,000 and 1:50,000, metric detail revised by photo-planimetric methods. Horizontal and vertical control by USGS, USCGS, and USCE. Map field checked 1953. Limited revision by U.S. Geological Survey 1963.

GEOLOGIC ATLAS OF TEXAS, TEXARKANA SHEET

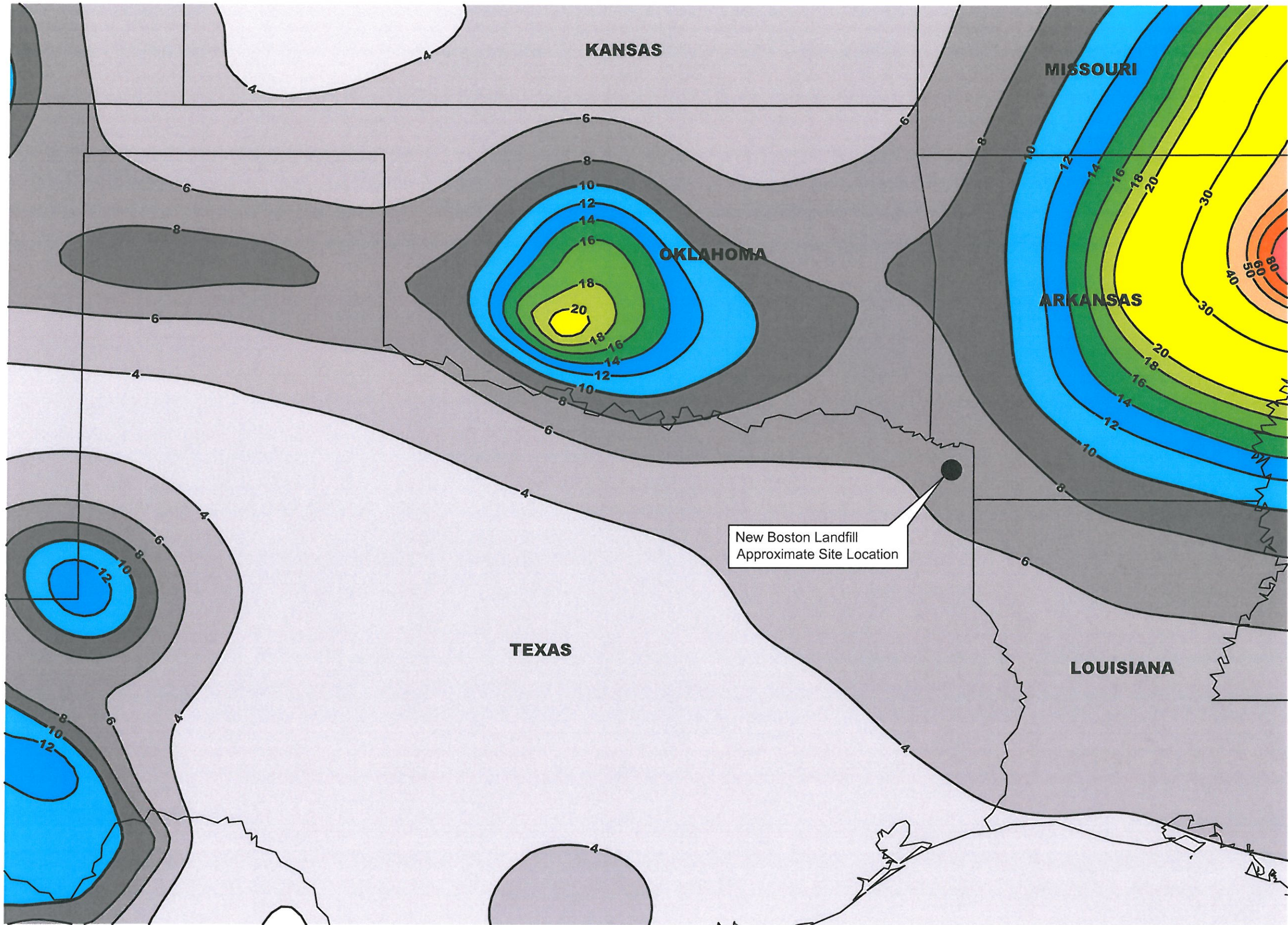
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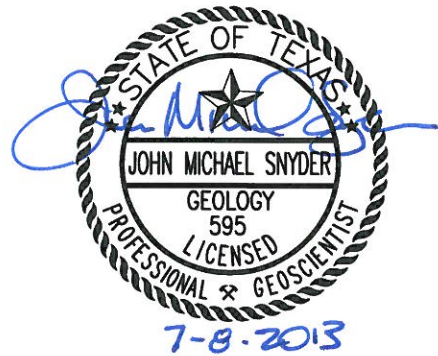
NOT TO SCALE

LEGEND

2% CONTOURS OF PEAK HORIZONTAL ACCELERATION

NOTE:

1. THE FACILITY LIES IN AN AREA OUTSIDE THE 10% SEISMIC IMPACT ZONE CONTOUR DEMONSTRATING THAT THE FACILITY HAS A 90% OR GREATER PROBABILITY THAT THE MAXIMUM HORIZONTAL ACCELERATION WILL NOT BE EXCEEDED IN 250 YEARS AS REQUIRED BY SUBCHAPTER M, LOCATION RESTRICTIONS, §330.557-SEISMIC IMPACT ZONES.



SEISMIC IMPACT ZONE MAP

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DWN. SRC	SCALE : GRAPHIC		
CHK. JMS	DWG : IIA.10-Seismic.dwg		

Source: USGS Interactive National Seismic Hazard Maps - 2008
Peak Horizontal Acceleration (%g) with 2% Probability of Exceedance in 50 years
[Equivalent to 10% Probability of Exceedance in 250 years]
URL: <http://earthquake.usgs.gov/hazards/apps/gis>

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- LEGEND**
- PERMIT BOUNDARY
--- LANDFILL FOOTPRINT
- LEGEND**
- SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD**
- The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.
- ZONE A** No Base Flood Elevations determined.
ZONE AE Base Flood Elevations determined.
ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.
- OTHER FLOOD AREAS**
- ZONE X** Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.
- OTHER AREAS**
- ZONE X** Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D Areas in which flood hazards are undetermined, but possible.
- COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS**
- OTHERWISE PROTECTED AREAS (OPAs)**
- CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.
- Floodplain boundary

NOTES:

1. THIS MAP HAS BEEN COMPILED FROM FEMA FLOOD INSURANCE RATE MAP (FIRM) OF BOWIE COUNTY AND INCORPORATED AREAS COMMUNITY PANEL NUMBER 48037C0300D AND 48037C0285D, EFFECTIVE DATE: OCTOBER 19, 2010.



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REVISIONS					
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY

FLOOD INSURANCE RATE MAP (FIRM)

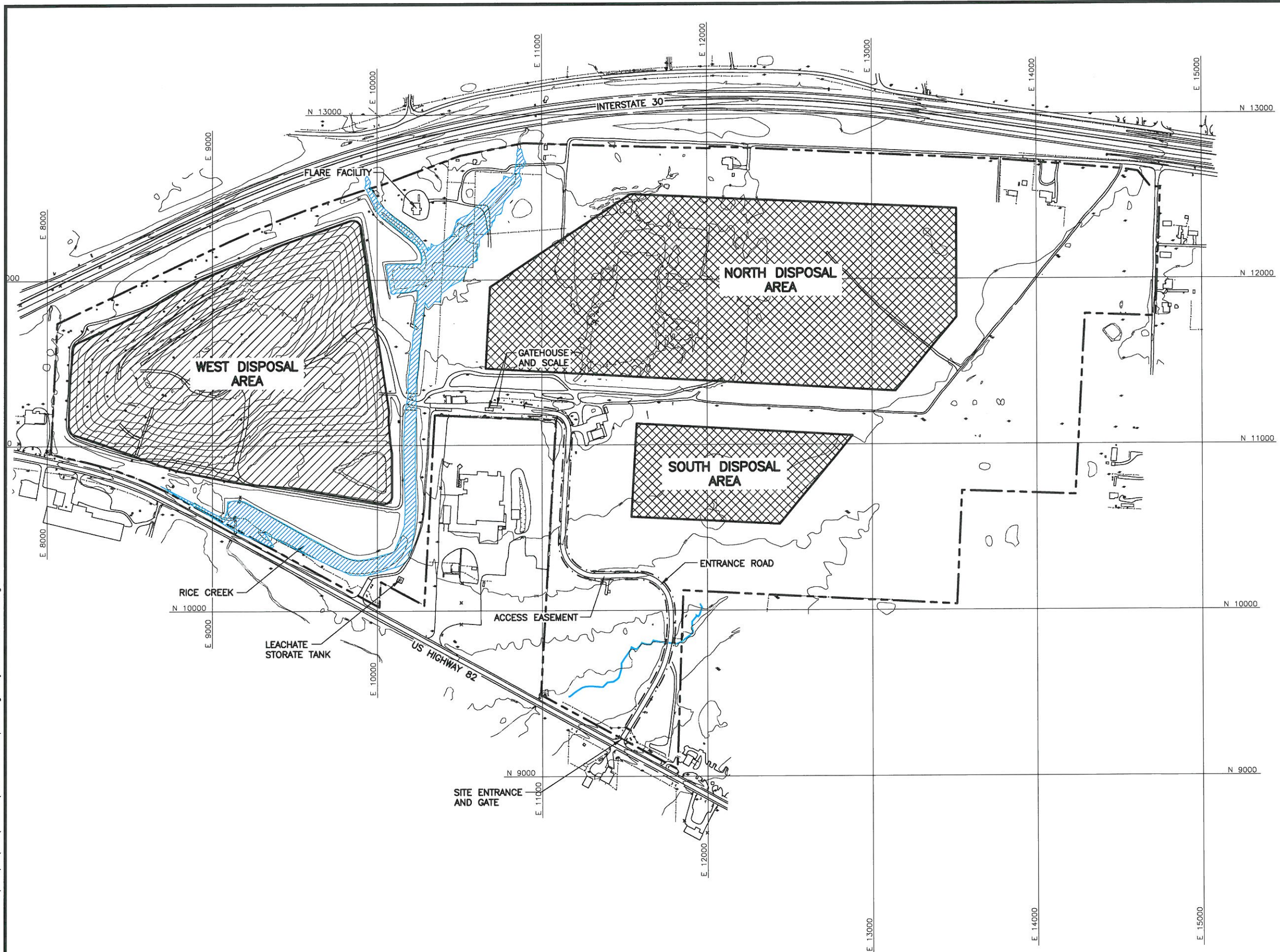
WASTE MANAGEMENT OF TEXAS, INC.
NEW BOSTON LANDFILL
PERMIT AMENDMENT APPLICATION



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

TBPE FIRM NO. F-256		TBPG FIRM NO. 50222	
DSN. MJW	DATE : 05/13	DRAWING	
DWN. SRC	SCALE : GRAPHIC	IIA.11	
CHK. KJW	DWG : IIA.11-FIRM.dwg		

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LEGEND

- PERMIT BOUNDARY
- LANDFILL FOOTPRINT
- 360 EXISTING 10' CONTOUR
- N 11000 SITE GRID
- [Cross-hatch] PERMITTED FOOTPRINT
- [Cross-hatch] FOOTPRINT ADDED
- [Blue hatch] 100-YEAR FLOODPLAIN

NOTES:

- EXISTING CONTOURS COMPILED BY AIR SURVEY FROM AERIAL PHOTOGRAPHY FLOWN MARCH 5, 2012.
- PERMIT BOUNDARY, PROPERTY LINES AND EASEMENTS PROVIDED BY MTG ENGINEERS AND SURVEYORS, INC.
- FEMA 100 YEAR FLOODPLAIN AS DEFINED BY THE LETTER OF MAP REVISION REQUEST DATED JUNE 25, 2013. REFER TO APPENDIX IJ FLOODPLAIN DOCUMENTATION.



CURRENT PERMITTED LANDFILL WITH
100-YEAR FLOODPLAIN

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



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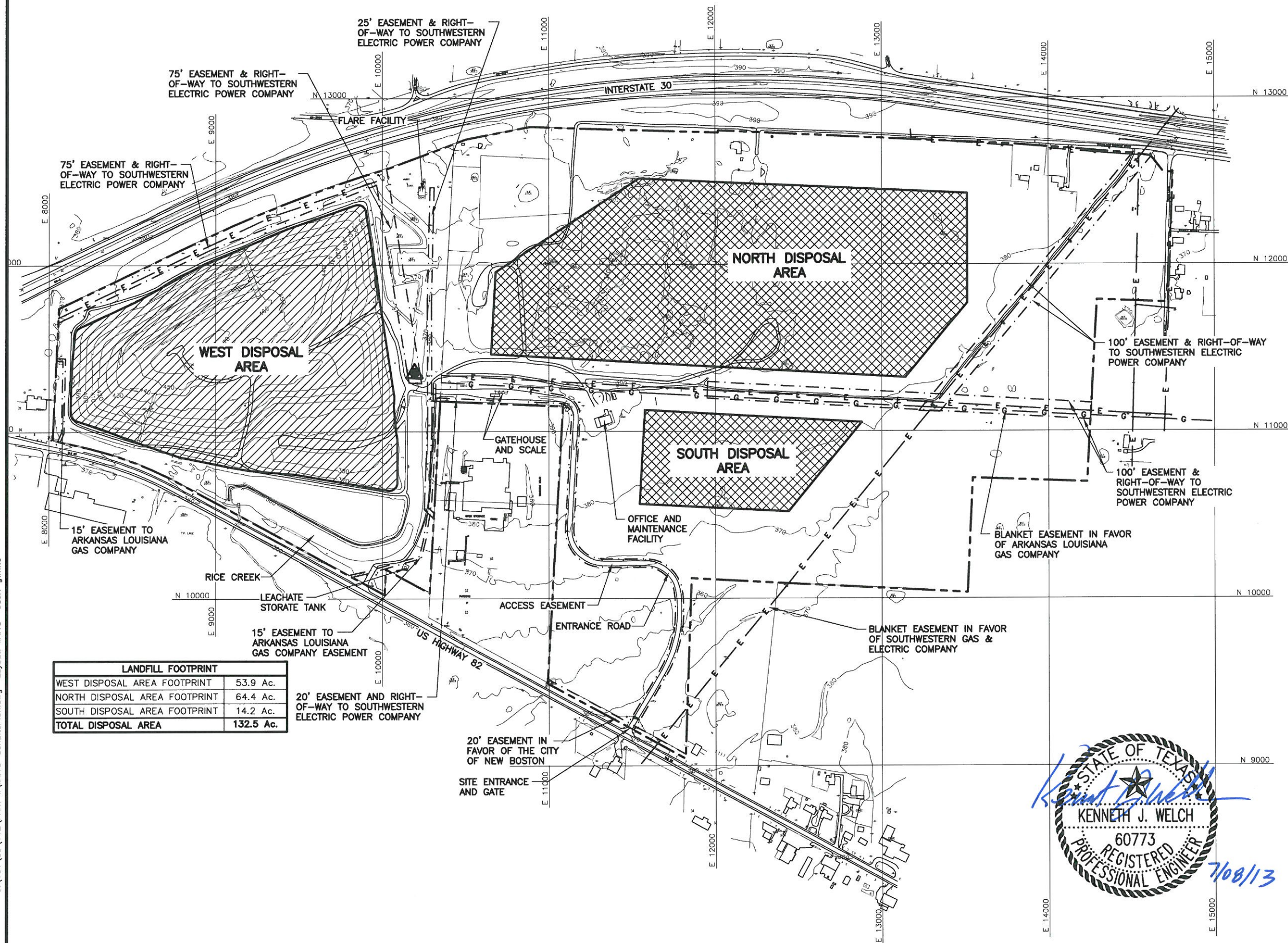
ISSUED FOR PERMITTING PURPOSES ONLY

REVISIONS						
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

TBPE FIRM NO. F-256		TBPG FIRM NO. 50222	
SN. KJW	DATE : 6/13		DRAWING IIA.12
WN. MJW	SCALE : GRAPHIC		
HK. KJW	DWG : IIA.12-CPFloodplain.dwg		

TBPE FIRM NO. F-256

TBPG FIRM NO. 50222



LANDFILL FOOTPRINT	
WEST DISPOSAL AREA FOOTPRINT	53.9 Ac.
NORTH DISPOSAL AREA FOOTPRINT	64.4 Ac.
SOUTH DISPOSAL AREA FOOTPRINT	14.2 Ac.
TOTAL DISPOSAL AREA	132.5 Ac.

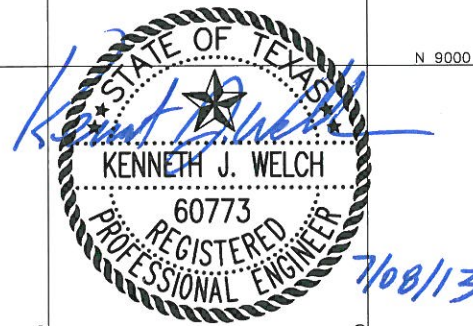


LEGEND

- PERMIT BOUNDARY
- LANDFILL FOOTPRINT
- EXISTING 10' CONTOUR
- SITE GRID
- EASEMENT
- GAS LINE
- ELECTRICAL LINE
- PERMITTED FOOTPRINT
- FOOTPRINT ADDED
- ▲ SITE BENCHMARK

NOTES:

- EXISTING CONTOURS COMPILED BY AEROMETRIC FROM AERIAL PHOTOGRAPHY FLOWN MARCH 5, 2012.
- PERMIT BOUNDARY, PROPERTY LINES AND EASEMENTS PROVIDED BY MTG ENGINEERS AND SURVEYORS, INC. REFER TO PART I, APPENDIX IC FOR PERMIT BOUNDARY LEGAL DESCRIPTION.
- SITE BENCHMARK: N 11353.174
E 10193.997
EL. 382.03
- ACCESS CONTROL PROVIDED BY FENCE LOCATED ALONG PROPERTY BOUNDARY. SITE ENTRANCE IS GATED.
- REFER TO PART II, APPENDIX IID FOR WETLANDS DOCUMENTATION FOR WATERS OF THE UNITED STATES WITHIN THE PERMIT BOUNDARY AS PREPARED BY HALFF ASSOCIATES.



GENERAL SITE PLAN

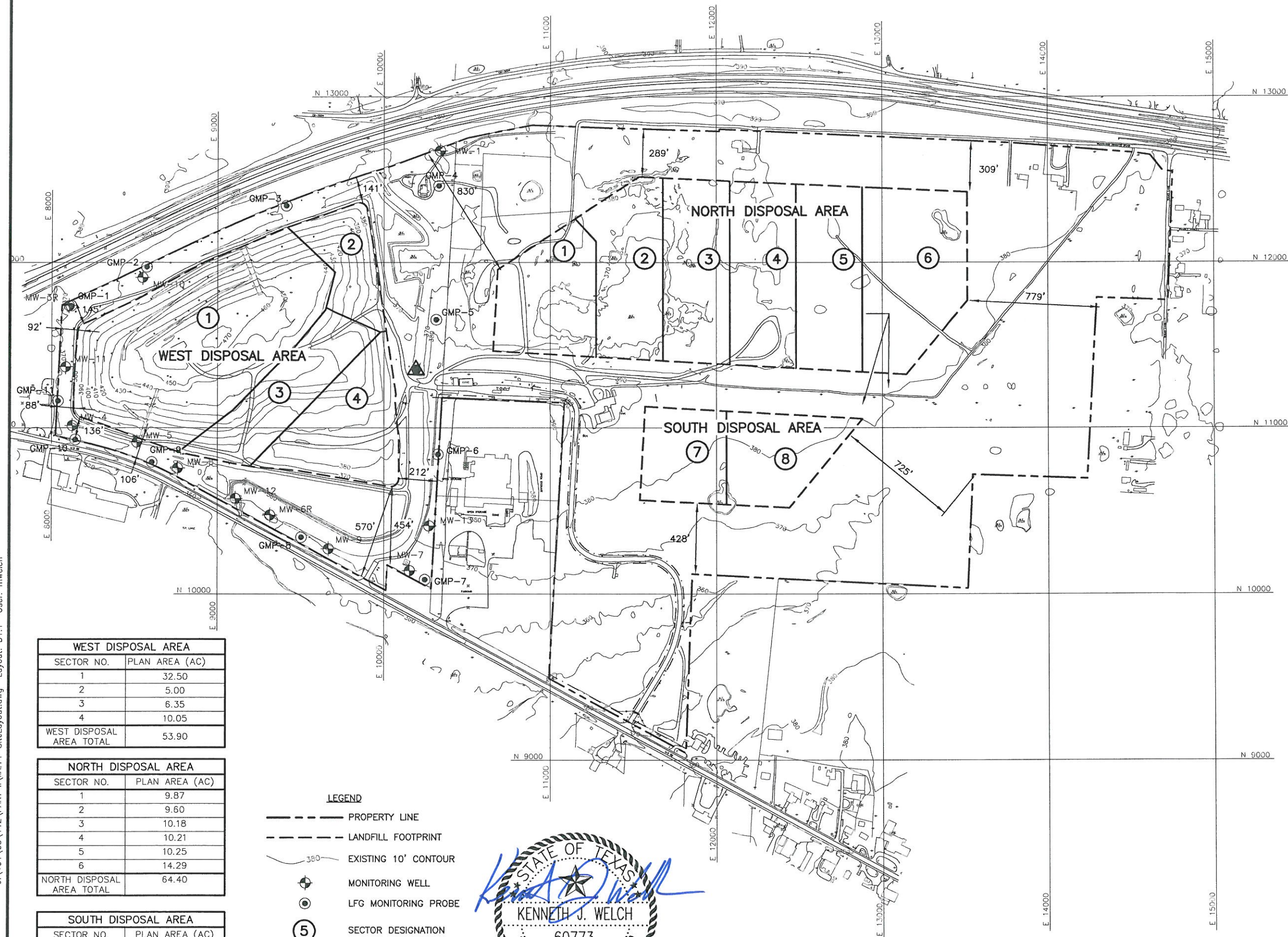
WASTE MANAGEMENT OF TEXAS, INC.
NEW BOSTON LANDFILL
PERMIT AMENDMENT APPLICATION



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REVISIONS							TBPE FIRM NO. F-256		TBPG FIRM NO. 50222	
							DSN. KJW	DATE : 6/13		DRAWING IIA.13
							DWN. MJW	SCALE : GRAPHIC		
REV	DATE	DESCRIPTION			DWN BY	DES BY	CHK BY	APP BY	CHK. KJW	



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
 - ⊕ MONITORING WELL
 - ⊙ LFG MONITORING PROBE
 - ⑤ SECTOR DESIGNATION



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.
- EXISTING VEGETATION AND FENCING PROVIDE SCREENING OF DEPOSITED WASTE. VISUAL SCREENING IS PROVIDED AS PART OF ONGOING WASTE DISPOSAL OPERATIONS AND SEQUENCE OF DEVELOPMENT.
- THE SITE ENTRANCE ROAD IS AN EXISTING CONCRETE PAVED ROADWAY THROUGH THE GATEHOUSE AREA.
- THERE ARE NO PIPELINE OR UTILITY EASEMENTS THAT WILL AFFECT SOLID WASTE UNLOADING, STORAGE, DISPOSAL OR PROCESSING OPTIONS.

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).

- 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.
- 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.

SITE LAYOUT PLAN

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

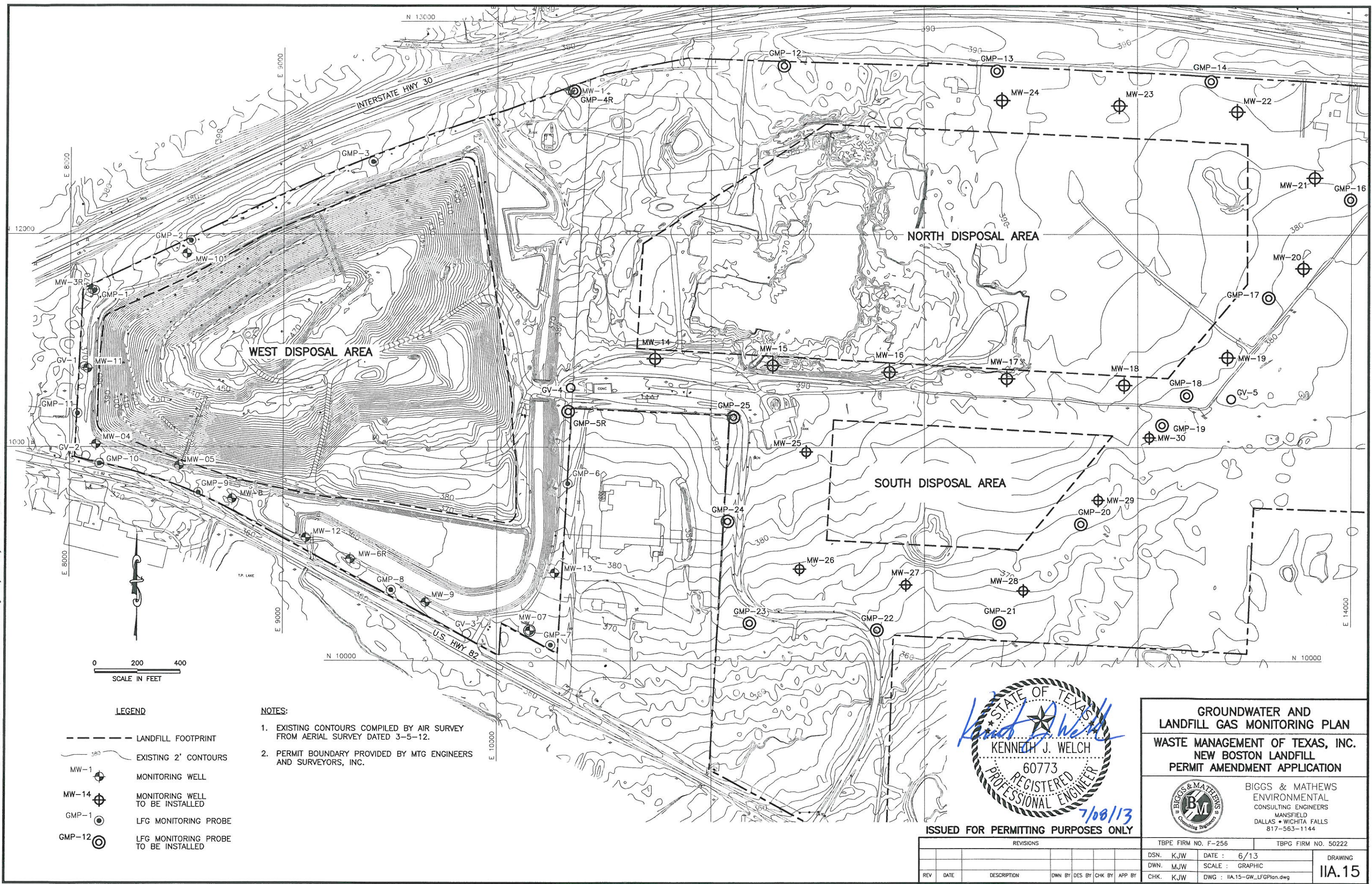


BIGGS & MATHEWS
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 CONSULTING ENGINEERS
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 817-563-1144

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REVISIONS						TBPE FIRM NO. F-256		TBPG FIRM NO. 50222	
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY	DSN. KJW	DATE : 6/13	DRAWING
							DWN. MJW	SCALE : GRAPHIC	IIA.14
							CHK. KJW	DWG : IIA.14-SiteLayout.dwg	

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LEGEND

- LANDFILL FOOTPRINT
- EXISTING 2' CONTOURS
- MW-1 MONITORING WELL
- MW-14 MONITORING WELL TO BE INSTALLED
- GMP-1 LFG MONITORING PROBE
- GMP-12 LFG MONITORING PROBE TO BE INSTALLED

NOTES:

- EXISTING CONTOURS COMPILED BY AIR SURVEY FROM AERIAL SURVEY DATED 3-5-12.
- PERMIT BOUNDARY PROVIDED BY MTG ENGINEERS AND SURVEYORS, INC.



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REVISIONS						
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

**GROUNDWATER AND
LANDFILL GAS MONITORING PLAN**

WASTE MANAGEMENT OF TEXAS, INC.

NEW BOSTON LANDFILL

PERMIT AMENDMENT APPLICATION

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CONSULTING ENGINEERS
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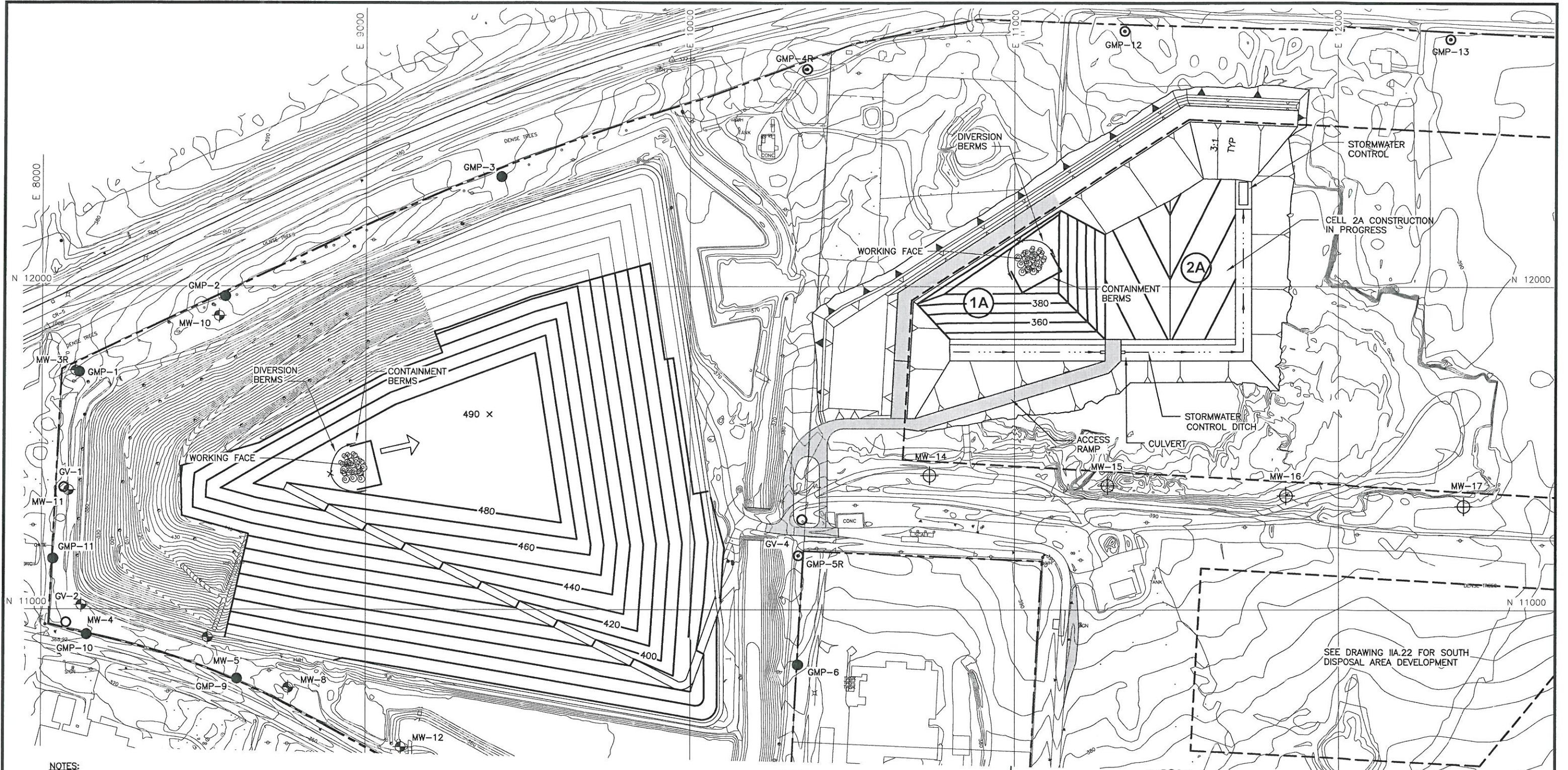
7/08/13

ISSUED FOR PERMITTING PURPOSES ONLY

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DWN. MJW	SCALE : GRAPHIC	
CHK. KJW	DWG : IIA.15-GW_LFGPlan.dwg	

TBPE FIRM NO. F-256	TBPG FIRM NO. 50222
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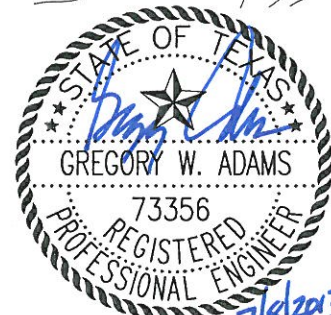
NOTES:

1. EXISTING TOPOGRAPHY COMPILED BY AIR SURVEY FROM AERIAL PHOTOGRAPHY DATED MARCH 5, 2012.
2. WASTE FILL OPERATIONS WILL BE ONGOING IN THE WEST DISPOSAL AREA WHILE CELL 1A IS BEING DEVELOPED.
3. THIS PLAN IS FOR GENERAL CONDITIONS AND MAY NOT REFLECT THE EXACT CONFIGURATION OF THE LANDFILL. THE ACTUAL SIZE OF THE INCREMENTS FOR EXCAVATION, LINING, OR FINAL COVER MAY VARY WITH SITE OPERATIONS.
4. THE LANDFILL ACCESS AND HAUL ROADS WILL BE SURFACED TO PROVIDE ALL WEATHER ACCESS. ROAD LOCATIONS TO BE DETERMINED DURING SITE OPERATIONS AND LOCATIONS WILL VARY.
5. THE RUN-ON STORMWATER CONTROL SYSTEM WILL CONSIST OF THE PERIMETER DRAINAGE CHANNEL, RUN-ON STORMWATER DIVERSION BERM, AND UNCONTAMINATED STORMWATER SUMP.
6. REFER TO PART III, ATTACHMENT C-FACILITY SURFACE WATER DRAINAGE REPORT FOR STORMWATER SYSTEMS AND EROSION AND SEDIMENT CONTROL PLAN. REFER TO PART III, ATTACHMENT D6-LEACHATE AND CONTAMINATED WATER MANAGEMENT PLAN FOR CONTAINMENT AND DIVERSION BERM CALCULATIONS.
7. UNCONTAMINATED STORMWATER WILL BE PERIODICALLY REMOVED OR USED IN SITE OPERATIONS (DUST CONTROL, IRRIGATIONS, ROAD AND LINER CONSTRUCTION).

LEGEND

- PERMIT BOUNDARY
- LANDFILL FOOTPRINT
- 250 EXISTING 2' CONTOURS
- N 11000 SITE GRID
- ← DIRECTION OF FILL
- MW-4 EXISTING MONITORING WELL
- MW-10 PROPOSED MONITORING WELL
- GMP-8 EXISTING LFG MONITORING PROBE
- GMP-19 PROPOSED LFG MONITORING PROBE

0 150 300
SCALE IN FEET



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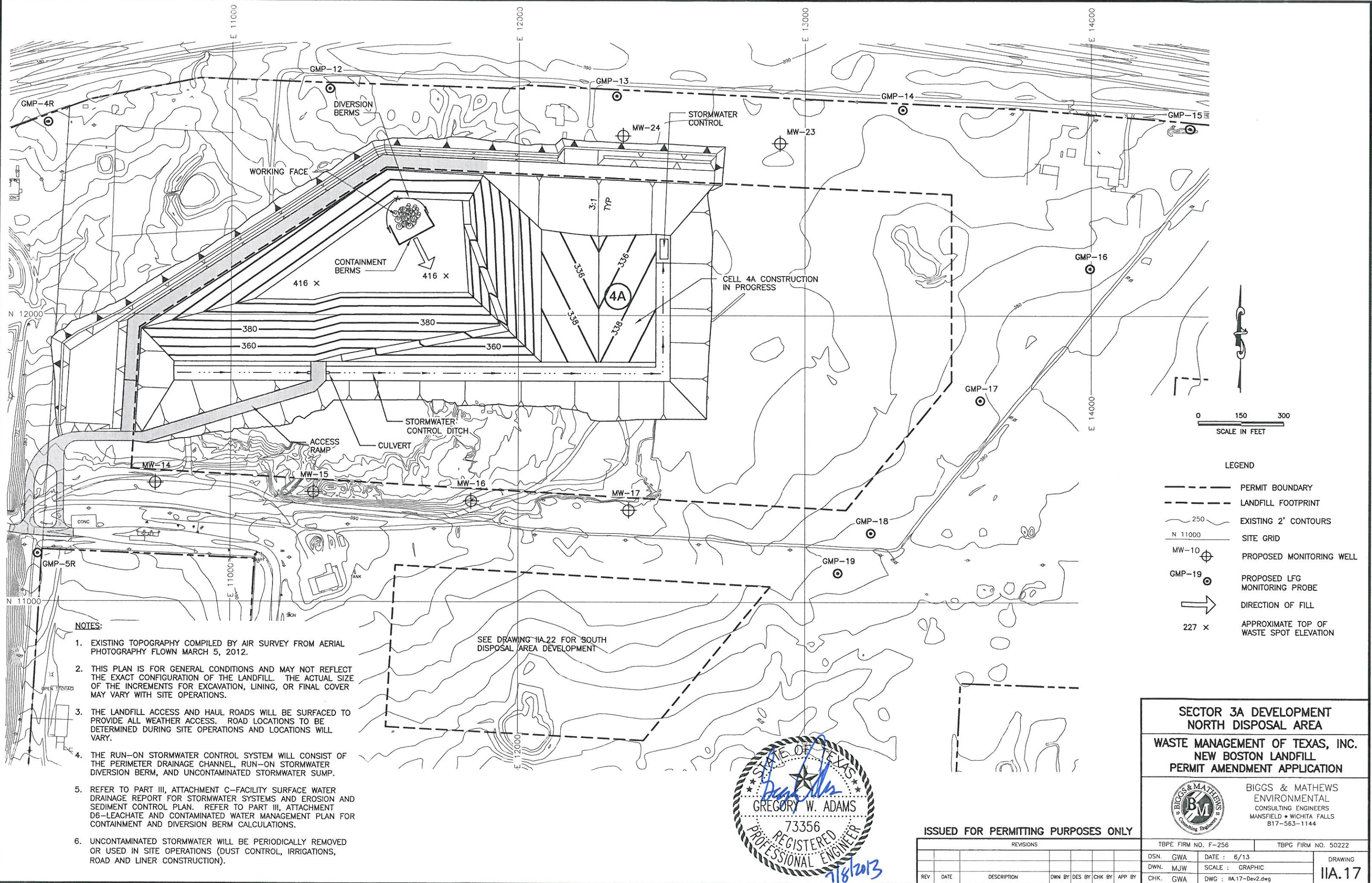
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REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY

SECTOR 1A DEVELOPMENT NORTH DISPOSAL AREA WASTE MANAGEMENT OF TEXAS, INC. NEW BOSTON LANDFILL PERMIT AMENDMENT APPLICATION

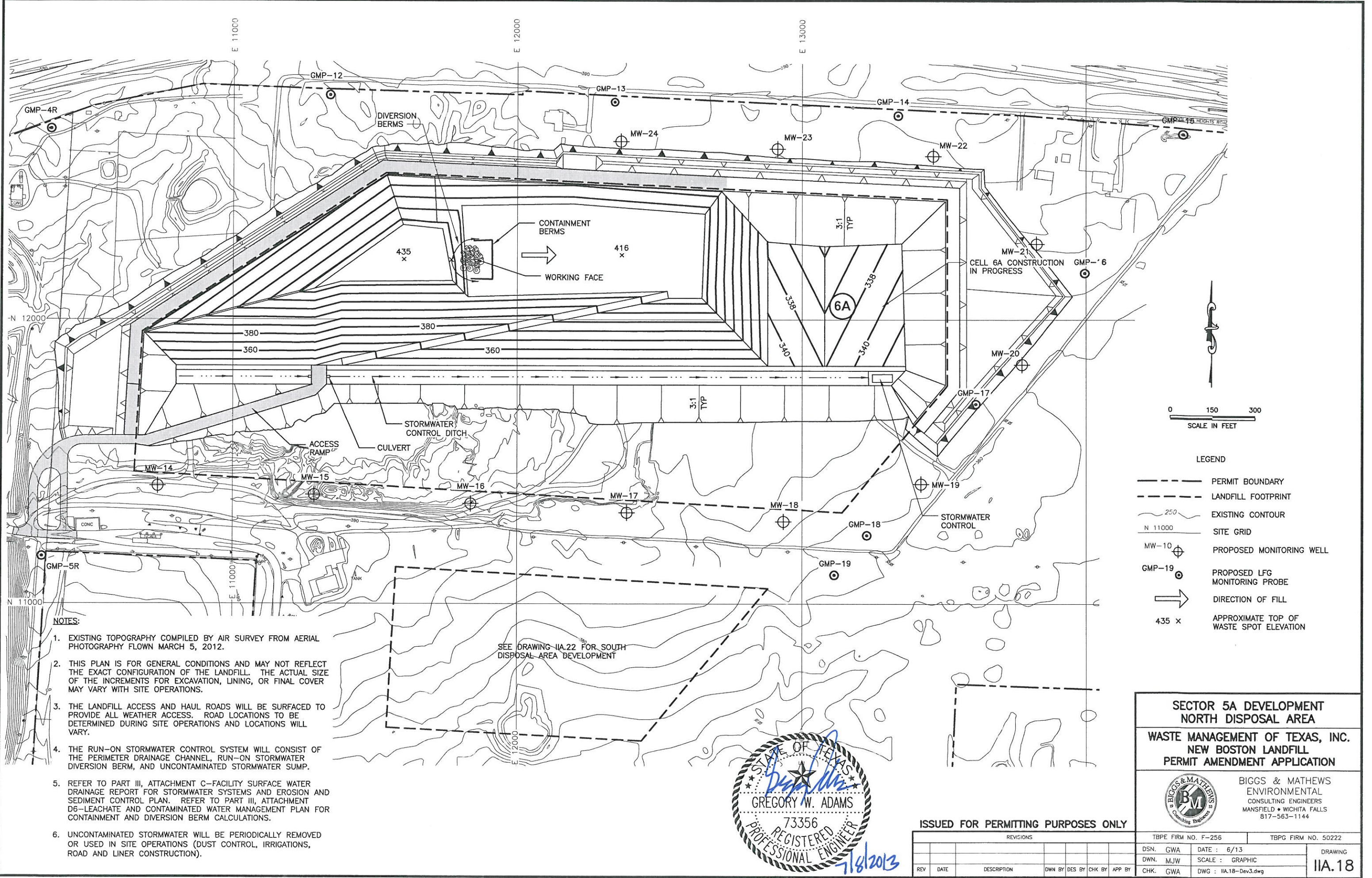


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TBPE FIRM NO. F-256		TBPG FIRM NO. 50222	
DSN. GWA	DATE : 6/13	DRAWING	
DWN. MJW	SCALE : GRAPHIC	IIA.16	
CHK. GWA	DWG : IIA.16-Dev1.dwg		




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- NOTES:
1. EXISTING TOPOGRAPHY COMPILED BY AIR SURVEY FROM AERIAL PHOTOGRAPHY FLOWN MARCH 5, 2012.
 2. THIS PLAN IS FOR GENERAL CONDITIONS AND MAY NOT REFLECT THE EXACT CONFIGURATION OF THE LANDFILL. THE ACTUAL SIZE OF THE INCREMENTS FOR EXCAVATION, LINING, OR FINAL COVER MAY VARY WITH SITE OPERATIONS.
 3. THE LANDFILL ACCESS AND HAUL ROADS WILL BE SURFACED TO PROVIDE ALL WEATHER ACCESS. ROAD LOCATIONS TO BE DETERMINED DURING SITE OPERATIONS AND LOCATIONS WILL VARY.
 4. THE RUN-ON STORMWATER CONTROL SYSTEM WILL CONSIST OF THE PERIMETER DRAINAGE CHANNEL, RUN-ON STORMWATER DIVERSION BERM, AND UNCONTAMINATED STORMWATER SUMP.
 5. REFER TO PART III, ATTACHMENT C-FACILITY SURFACE WATER DRAINAGE REPORT FOR STORMWATER SYSTEMS AND EROSION AND SEDIMENT CONTROL PLAN. REFER TO PART III, ATTACHMENT D6-LEACHATE AND CONTAMINATED WATER MANAGEMENT PLAN FOR CONTAINMENT AND DIVERSION BERM CALCULATIONS.
 6. UNCONTAMINATED STORMWATER WILL BE PERIODICALLY REMOVED OR USED IN SITE OPERATIONS (DUST CONTROL, IRRIGATIONS, ROAD AND LINER CONSTRUCTION).

SECTOR 5A DEVELOPMENT
NORTH DISPOSAL AREA

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



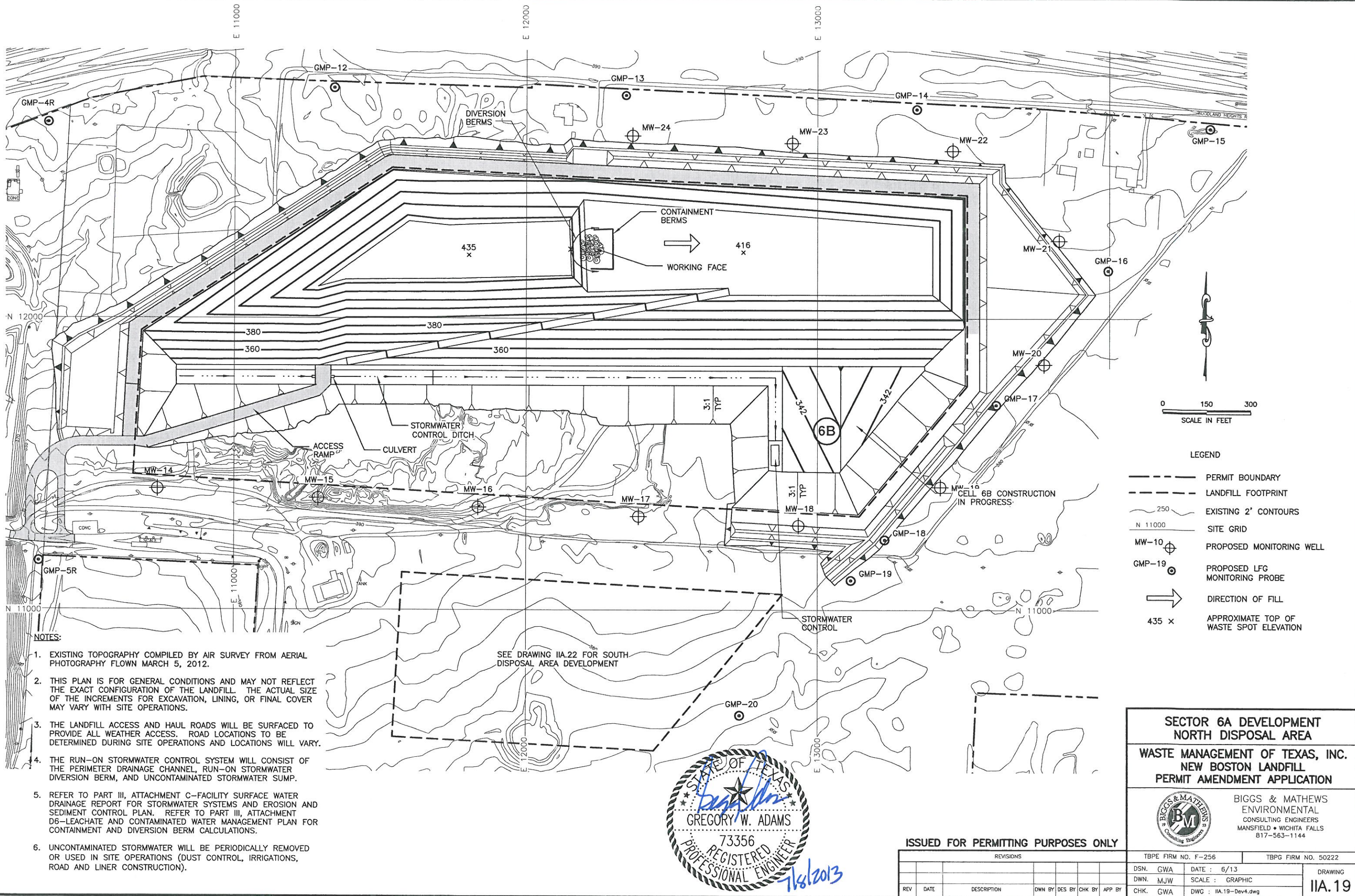
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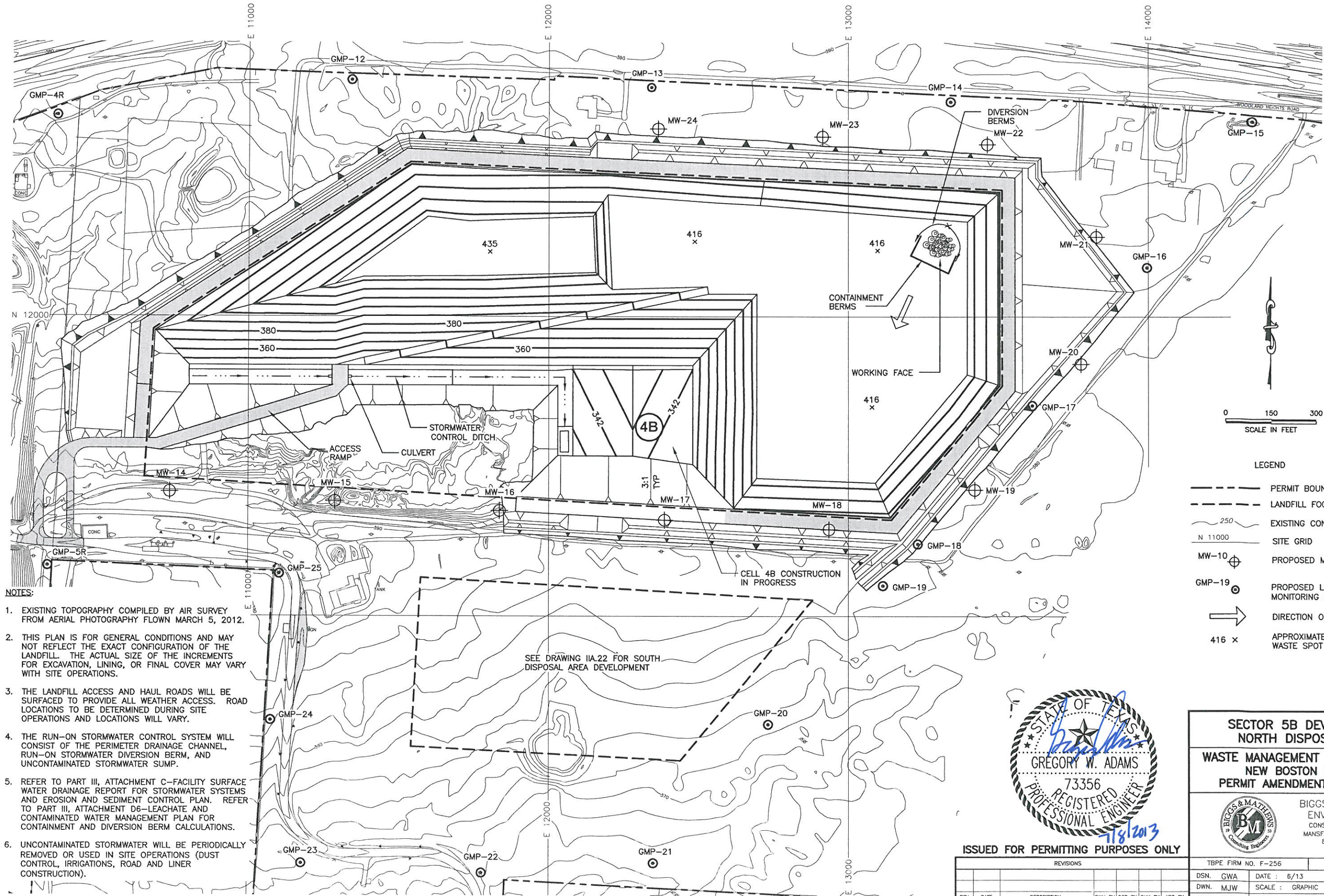
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DRAWING
IIA.18

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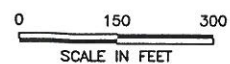


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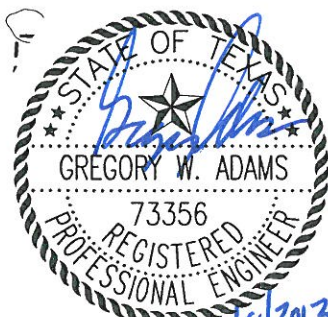
NOTES:

1. EXISTING TOPOGRAPHY COMPILED BY AIR SURVEY FROM AERIAL PHOTOGRAPHY FLOWN MARCH 5, 2012.
2. THIS PLAN IS FOR GENERAL CONDITIONS AND MAY NOT REFLECT THE EXACT CONFIGURATION OF THE LANDFILL. THE ACTUAL SIZE OF THE INCREMENTS FOR EXCAVATION, LINING, OR FINAL COVER MAY VARY WITH SITE OPERATIONS.
3. THE LANDFILL ACCESS AND HAUL ROADS WILL BE SURFACED TO PROVIDE ALL WEATHER ACCESS. ROAD LOCATIONS TO BE DETERMINED DURING SITE OPERATIONS AND LOCATIONS WILL VARY.
4. THE RUN-ON STORMWATER CONTROL SYSTEM WILL CONSIST OF THE PERIMETER DRAINAGE CHANNEL, RUN-ON STORMWATER DIVERSION BERM, AND UNCONTAMINATED STORMWATER SUMP.
5. REFER TO PART III, ATTACHMENT C-FACILITY SURFACE WATER DRAINAGE REPORT FOR STORMWATER SYSTEMS AND EROSION AND SEDIMENT CONTROL PLAN. REFER TO PART III, ATTACHMENT D6-LEACHATE AND CONTAMINATED WATER MANAGEMENT PLAN FOR CONTAINMENT AND DIVERSION BERM CALCULATIONS.
6. UNCONTAMINATED STORMWATER WILL BE PERIODICALLY REMOVED OR USED IN SITE OPERATIONS (DUST CONTROL, IRRIGATIONS, ROAD AND LINER CONSTRUCTION).



LEGEND

- PERMIT BOUNDARY
- LANDFILL FOOTPRINT
- 250 EXISTING CONTOUR
- N 11000 SITE GRID
- MW-10 PROPOSED MONITORING WELL
- GMP-19 PROPOSED LFG MONITORING PROBE
- DIRECTION OF FILL
- 416 x APPROXIMATE TOP OF WASTE SPOT ELEVATION



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REVISIONS						
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

SECTOR 5B DEVELOPMENT
NORTH DISPOSAL AREA

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

BIGGS & MATHEWS
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817-563-1144

TBPE FIRM NO. F-256

TBPG FIRM NO. 50222

DSN. GWA

DWN. MJW

CHK. GWA

DATE : 6/13

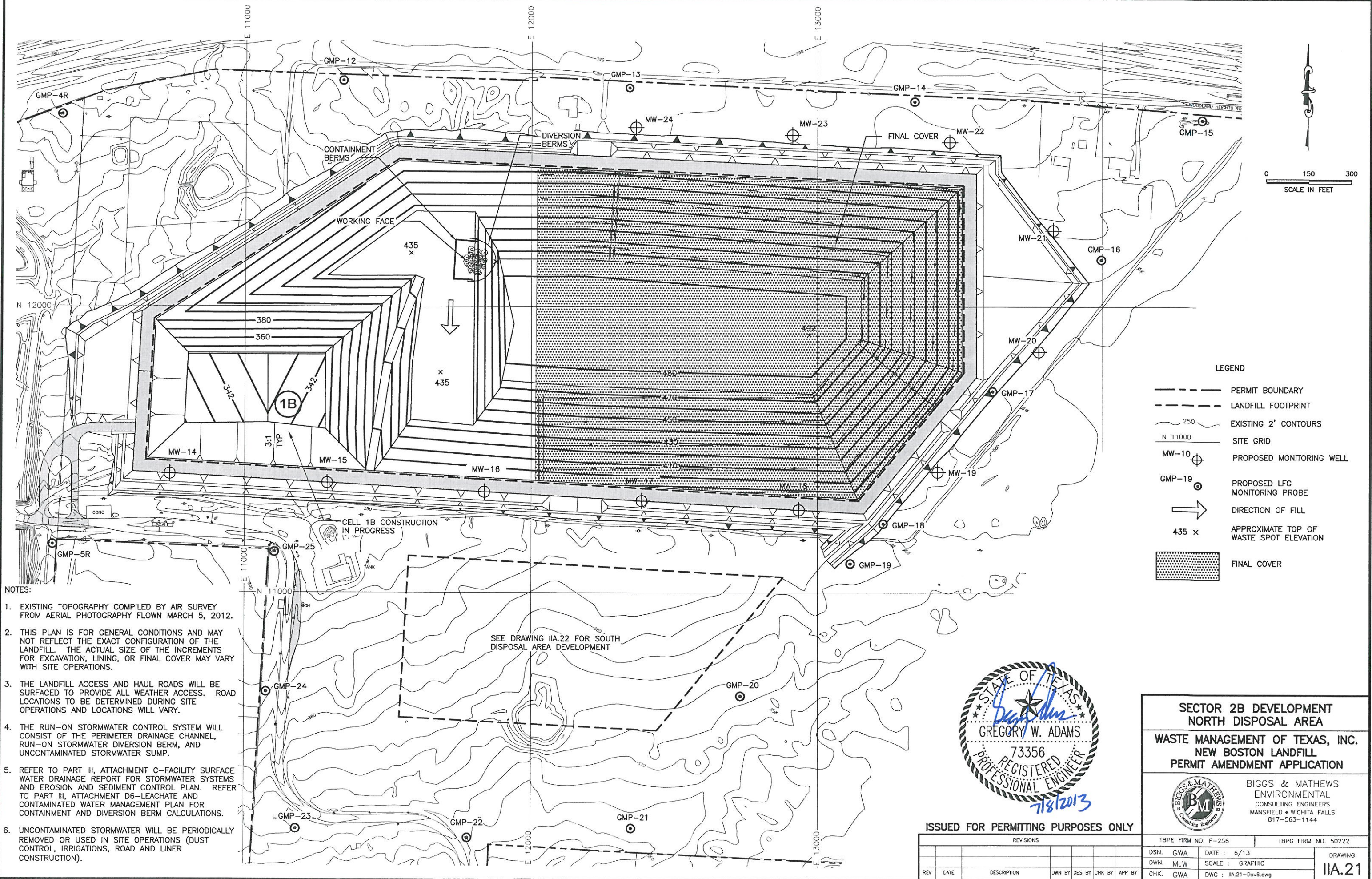
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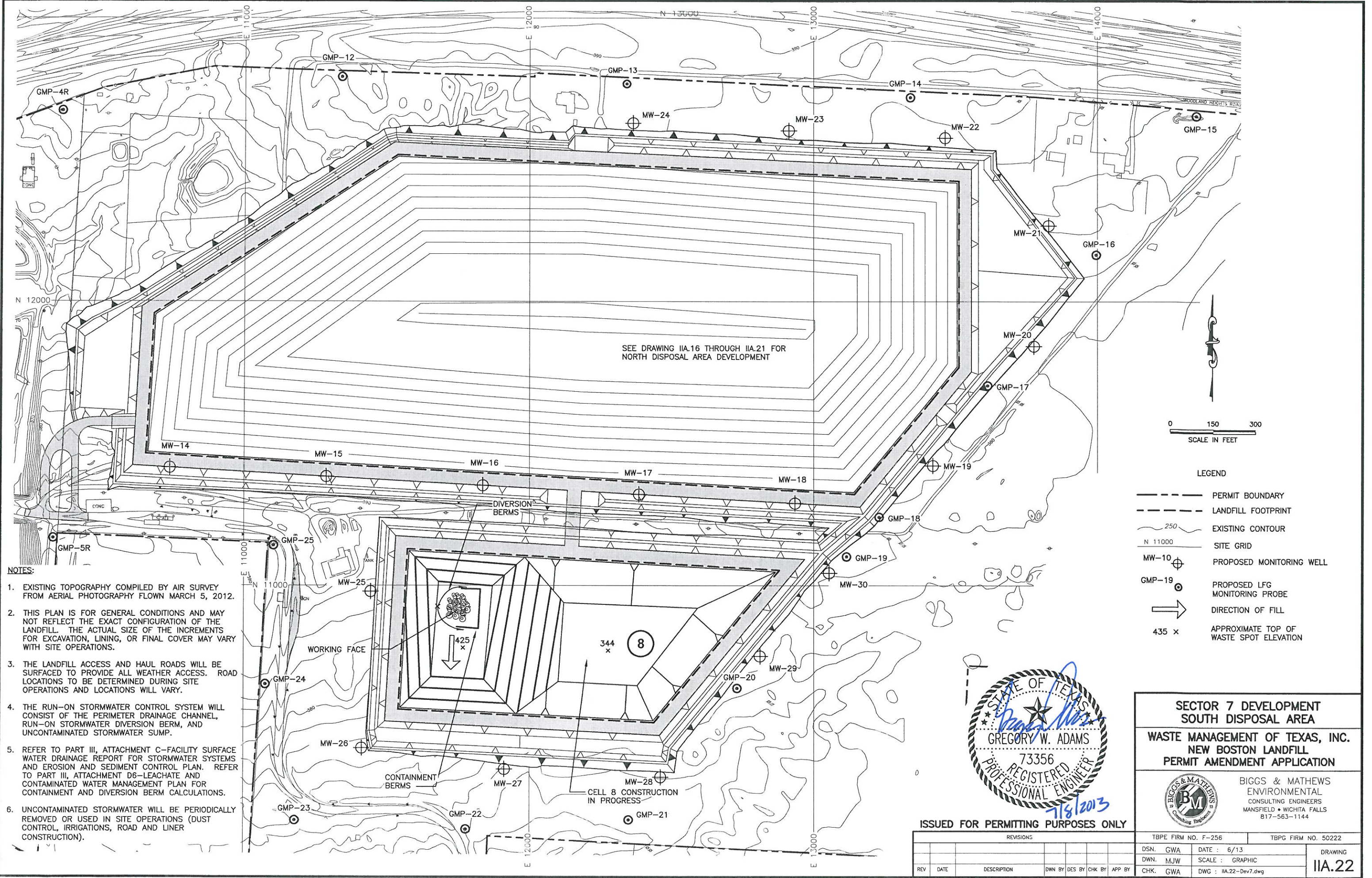
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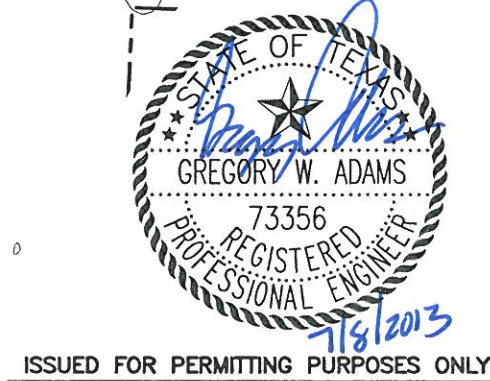
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- NOTES:
1. EXISTING TOPOGRAPHY COMPILED BY AIR SURVEY FROM AERIAL PHOTOGRAPHY FLOWN MARCH 5, 2012.
 2. THIS PLAN IS FOR GENERAL CONDITIONS AND MAY NOT REFLECT THE EXACT CONFIGURATION OF THE LANDFILL. THE ACTUAL SIZE OF THE INCREMENTS FOR EXCAVATION, LINING, OR FINAL COVER MAY VARY WITH SITE OPERATIONS.
 3. THE LANDFILL ACCESS AND HAUL ROADS WILL BE SURFACED TO PROVIDE ALL WEATHER ACCESS. ROAD LOCATIONS TO BE DETERMINED DURING SITE OPERATIONS AND LOCATIONS WILL VARY.
 4. THE RUN-ON STORMWATER CONTROL SYSTEM WILL CONSIST OF THE PERIMETER DRAINAGE CHANNEL, RUN-ON STORMWATER DIVERSION BERM, AND UNCONTAMINATED STORMWATER SUMP.
 5. REFER TO PART III, ATTACHMENT C-FACILITY SURFACE WATER DRAINAGE REPORT FOR STORMWATER SYSTEMS AND EROSION AND SEDIMENT CONTROL PLAN. REFER TO PART III, ATTACHMENT D6-LEACHATE AND CONTAMINATED WATER MANAGEMENT PLAN FOR CONTAINMENT AND DIVERSION BERM CALCULATIONS.
 6. UNCONTAMINATED STORMWATER WILL BE PERIODICALLY REMOVED OR USED IN SITE OPERATIONS (DUST CONTROL, IRRIGATIONS, ROAD AND LINER CONSTRUCTION).

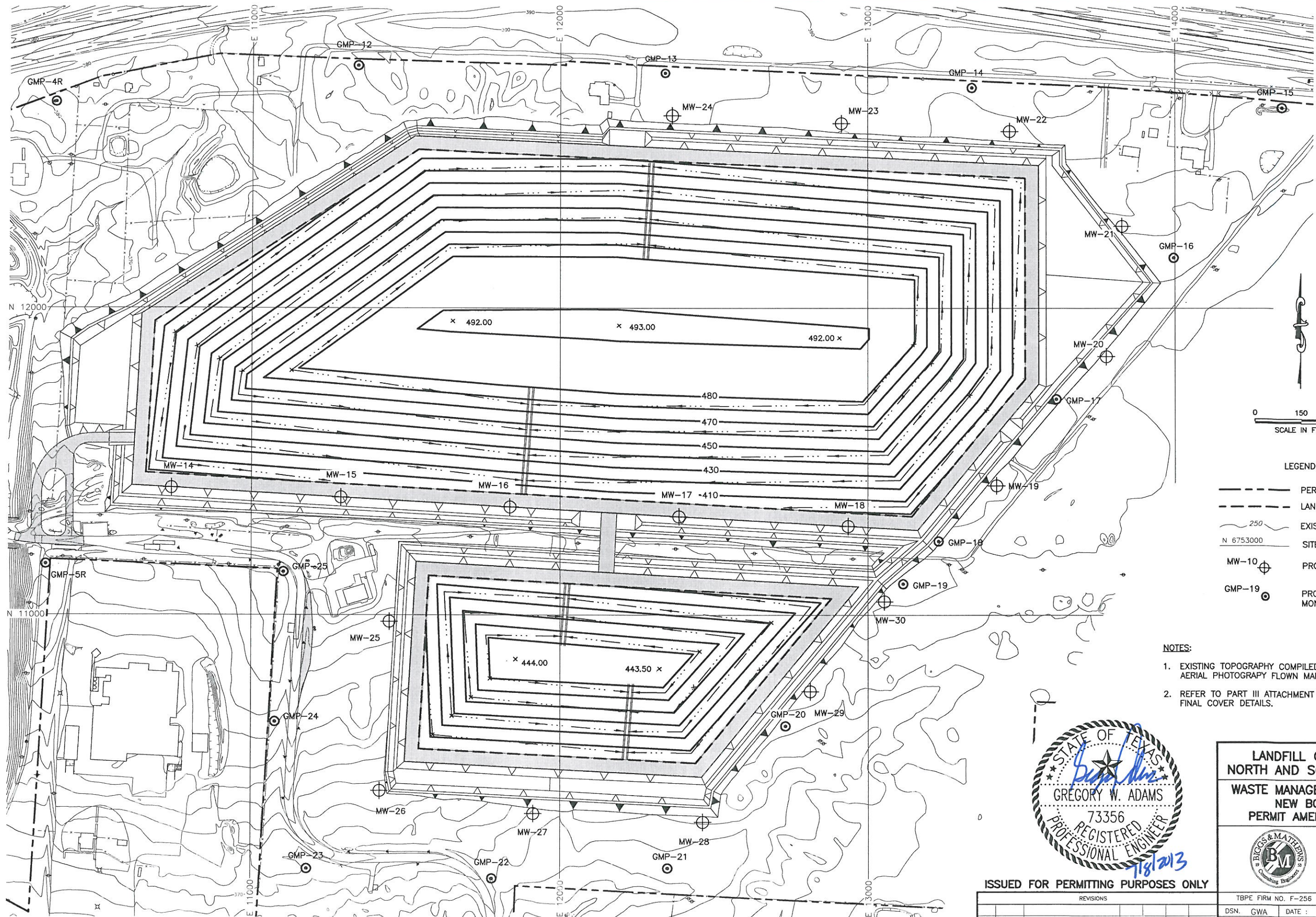


ISSUED FOR PERMITTING PURPOSES ONLY

REVISIONS						
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

SECTOR 7 DEVELOPMENT SOUTH DISPOSAL AREA		
WASTE MANAGEMENT OF TEXAS, INC. NEW BOSTON LANDFILL PERMIT AMENDMENT APPLICATION		
 BIGGS & MATHEWS ENVIRONMENTAL CONSULTING ENGINEERS MANSFIELD • WICHITA FALLS 817-563-1144		
TBPE FIRM NO. F-256		TBPG FIRM NO. 50222
DSN. GWA	DATE : 6/13	DRAWING IIA.22
DWN. MJW	SCALE : GRAPHIC	
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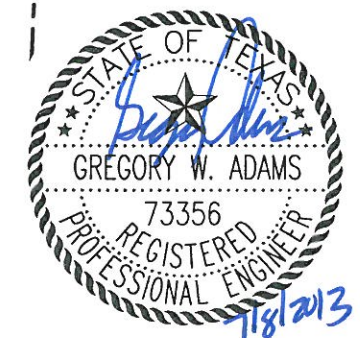
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SCALE IN FEET

LEGEND

- PERMIT BOUNDARY
- LANDFILL FOOTPRINT
- EXISTING 2' CONTOURS
- SITE GRID
- PROPOSED MONITORING WELL
- PROPOSED LFG MONITORING PROBE

NOTES:

- EXISTING TOPOGRAPHY COMPILED BY AIR SURVEY FROM AERIAL PHOTOGRAPHY FLOWN MARCH 5, 2012.
- REFER TO PART III ATTACHMENT H - CLOSURE PLAN FOR FINAL COVER DETAILS.



ISSUED FOR PERMITTING PURPOSES ONLY

REVISIONS						
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

LANDFILL COMPLETION PLAN
NORTH AND SOUTH DISPOSAL AREA

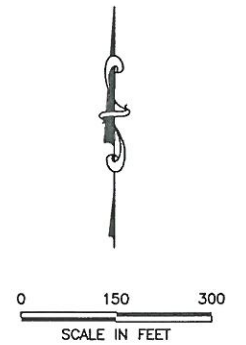
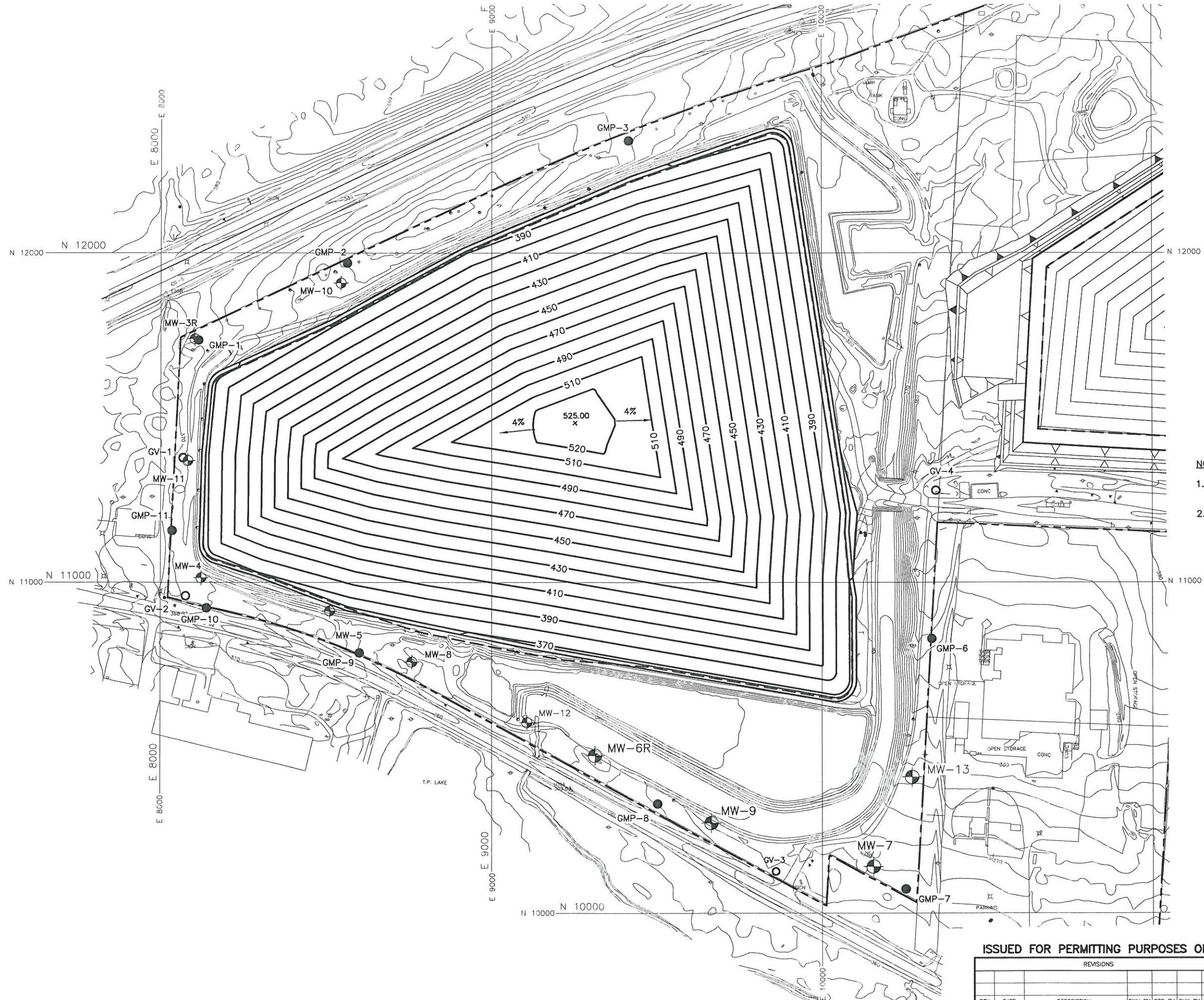
WASTE MANAGEMENT OF TEXAS, INC.
NEW BOSTON LANDFILL
PERMIT AMENDMENT APPLICATION

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

TBPE FIRM NO. F-256 TBPG FIRM NO. 50222

DSN. GWA	DATE : 6/13	DRAWING IIA.23
DWN. MJW	SCALE : GRAPHIC	
CHK. GWA	DWG : IIA.23-Dev8.dwg	

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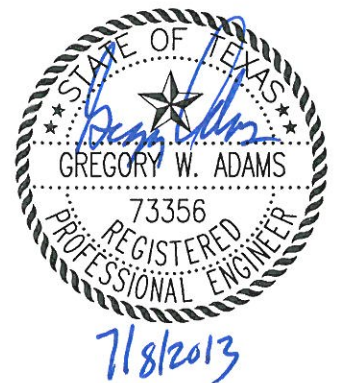


LEGEND

- PERMIT BOUNDARY
- LANDFILL FOOTPRINT
- 250 EXISTING 2' CONTOURS
- N 6753000 SITE GRID
- MW-4 EXISTING MONITORING WELL
- MW-10 PROPOSED MONITORING WELL
- GMP-8 EXISTING LFG MONITORING PROBE
- GMP-19 PROPOSED LFG MONITORING PROBE

NOTES:

1. EXISTING TOPOGRAPHY COMPILED BY AIR SURVEY FROM AERIAL PHOTOGRAPHY FLOWN MARCH 5, 2012.
2. REFER TO PART III ATTACHMENT H - CLOSURE PLAN FOR FINAL COVER DETAILS.



LANDFILL COMPLETION PLAN
WEST DISPOSAL AREA
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 PERMITTING PURPOSES ONLY

REVISIONS						TBPE FIRM NO. F-256		TBPG FIRM NO. 50222	
REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY	DSN. GWA	DATE : 6/13	DRAWING
							DWN. MJW	SCALE : GRAPHIC	IIA.24
							CHK. GWA	DWG : IIA.24-Dev9.dwg	