

**NEW BOSTON LANDFILL  
BOWIE COUNTY, TEXAS  
TCEQ PERMIT APPLICATION NO. MSW 576C**

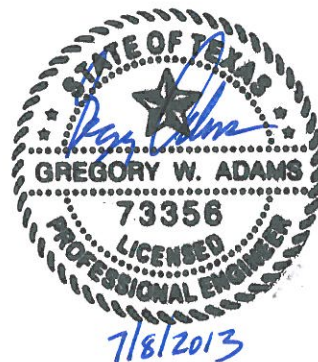
**PERMIT AMENDMENT APPLICATION**

**PART III – FACILITY INVESTIGATION AND DESIGN  
ATTACHMENT D1 – SITE LAYOUT PLANS**

Prepared for

**Waste Management of Texas, Inc.**

July 2013



Prepared by

**BIGGS & MATHEWS ENVIRONMENTAL**

1700 Robert Road, Suite 100 ♦ Mansfield, Texas 76063 ♦ 817-563-1144

TEXAS BOARD OF PROFESSIONAL ENGINEERS  
FIRM REGISTRATION No. F-256

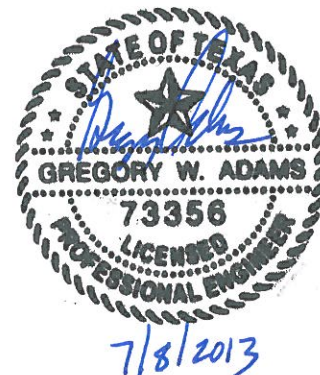
TEXAS BOARD OF PROFESSIONAL GEOSCIENTISTS  
FIRM REGISTRATION No. 50222

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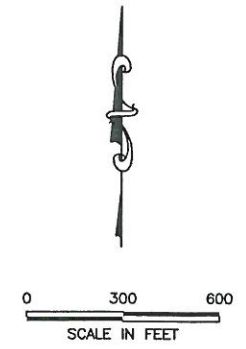
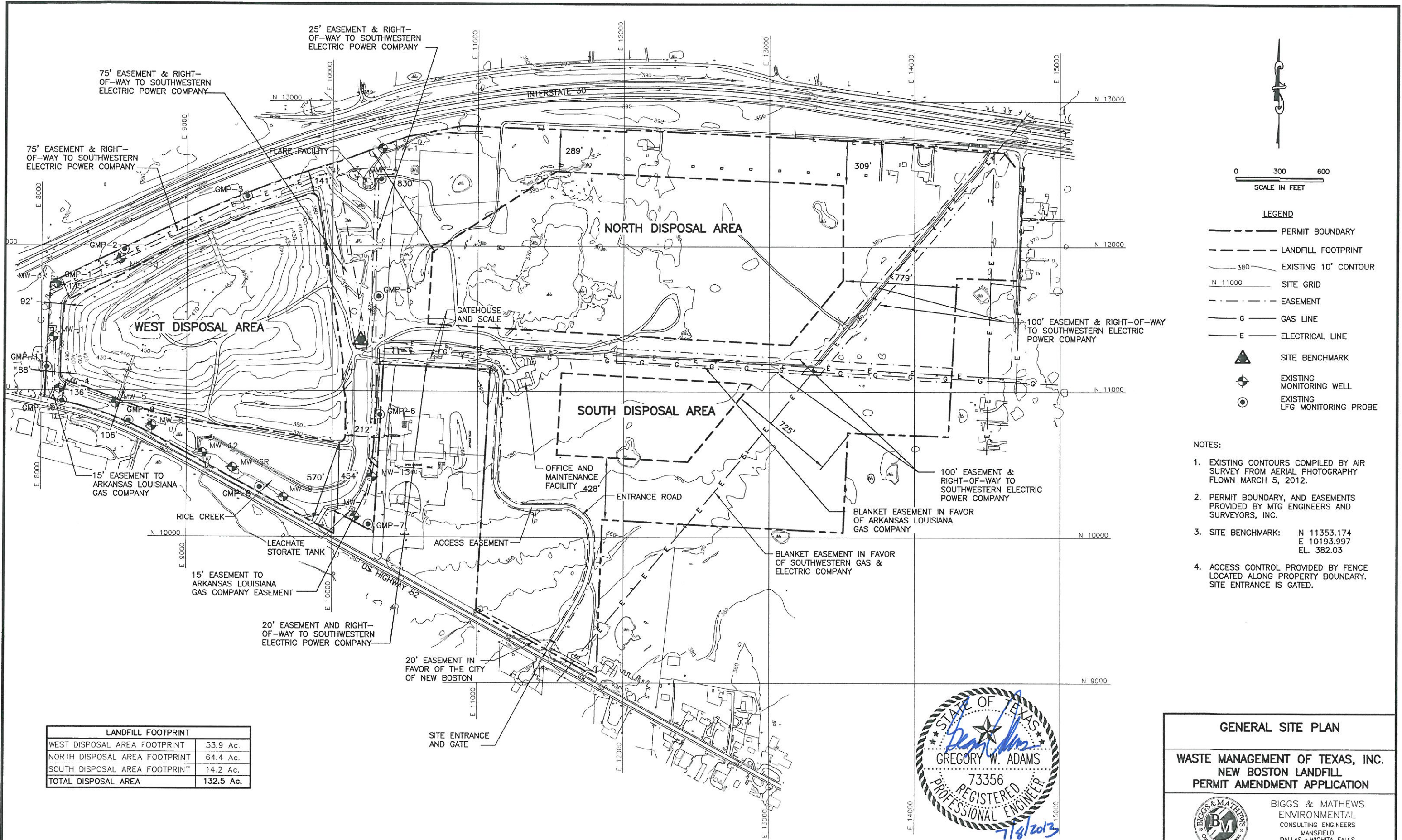
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30 TAC §330.63(d)

- D1.1 – General Site Plan
- D1.2 – Processing and/or Storage Units
- D1.3 – Landfill Units Plan
- D1.4 – Landfill Entrance Facilities and Access Roads
- D1.5 – Excavation Plan North Disposal Area
- D1.6 – Excavation Plan South Disposal Area
- D1.7 – Landfill Completion Plan West Disposal Area
- D1.8 – Landfill Completion Plan North Disposal Area
- D1.9 – Landfill Completion Plan South Disposal Area



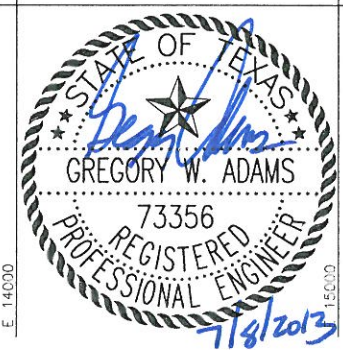
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- LEGEND**
- PERMIT BOUNDARY
  - LANDFILL FOOTPRINT
  - 380 --- EXISTING 10' CONTOUR
  - N 11000 --- SITE GRID
  - - - EASEMENT
  - G --- GAS LINE
  - E --- ELECTRICAL LINE
  - ▲ SITE BENCHMARK
  - ⊕ EXISTING MONITORING WELL
  - ⊙ EXISTING LFG MONITORING PROBE

- NOTES:**
1. EXISTING CONTOURS COMPILED BY AIR SURVEY FROM AERIAL PHOTOGRAPHY FLOWN MARCH 5, 2012.
  2. PERMIT BOUNDARY, AND EASEMENTS PROVIDED BY MTG ENGINEERS AND SURVEYORS, INC.
  3. SITE BENCHMARK: N 11353.174  
E 10193.997  
EL. 382.03
  4. ACCESS CONTROL PROVIDED BY FENCE LOCATED ALONG PROPERTY BOUNDARY. SITE ENTRANCE IS GATED.


LANDFILL FOOTPRINT	
WEST DISPOSAL AREA FOOTPRINT	53.9 Ac.
NORTH DISPOSAL AREA FOOTPRINT	64.4 Ac.
SOUTH DISPOSAL AREA FOOTPRINT	14.2 Ac.
<b>TOTAL DISPOSAL AREA</b>	<b>132.5 Ac.</b>



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**GENERAL SITE PLAN**

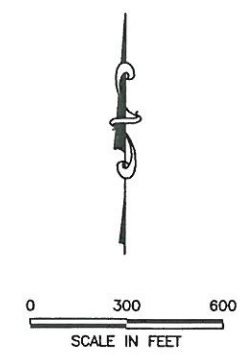
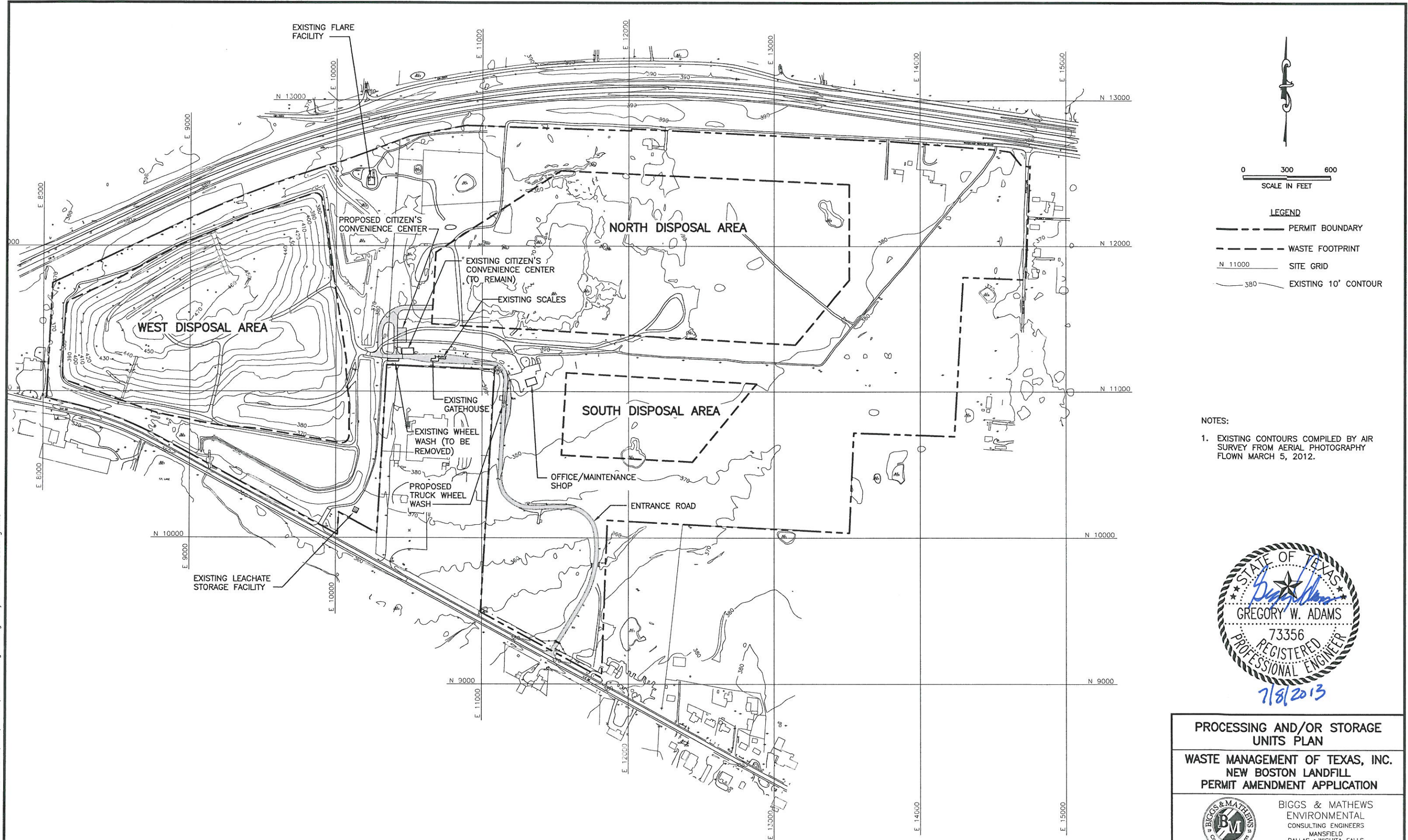
**WASTE MANAGEMENT OF TEXAS, INC.**  
**NEW BOSTON LANDFILL**  
**PERMIT AMENDMENT APPLICATION**



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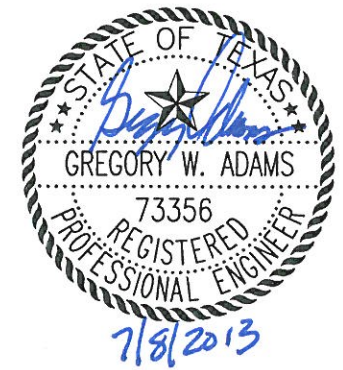
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- LEGEND**
- PERMIT BOUNDARY
  - · - · - WASTE FOOTPRINT
  - N 11000 SITE GRID
  - 380 EXISTING 10' CONTOUR

- NOTES:**
- EXISTING CONTOURS COMPILED BY AIR SURVEY FROM AERIAL PHOTOGRAPHY FLOWN MARCH 5, 2012.



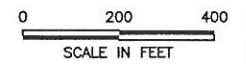
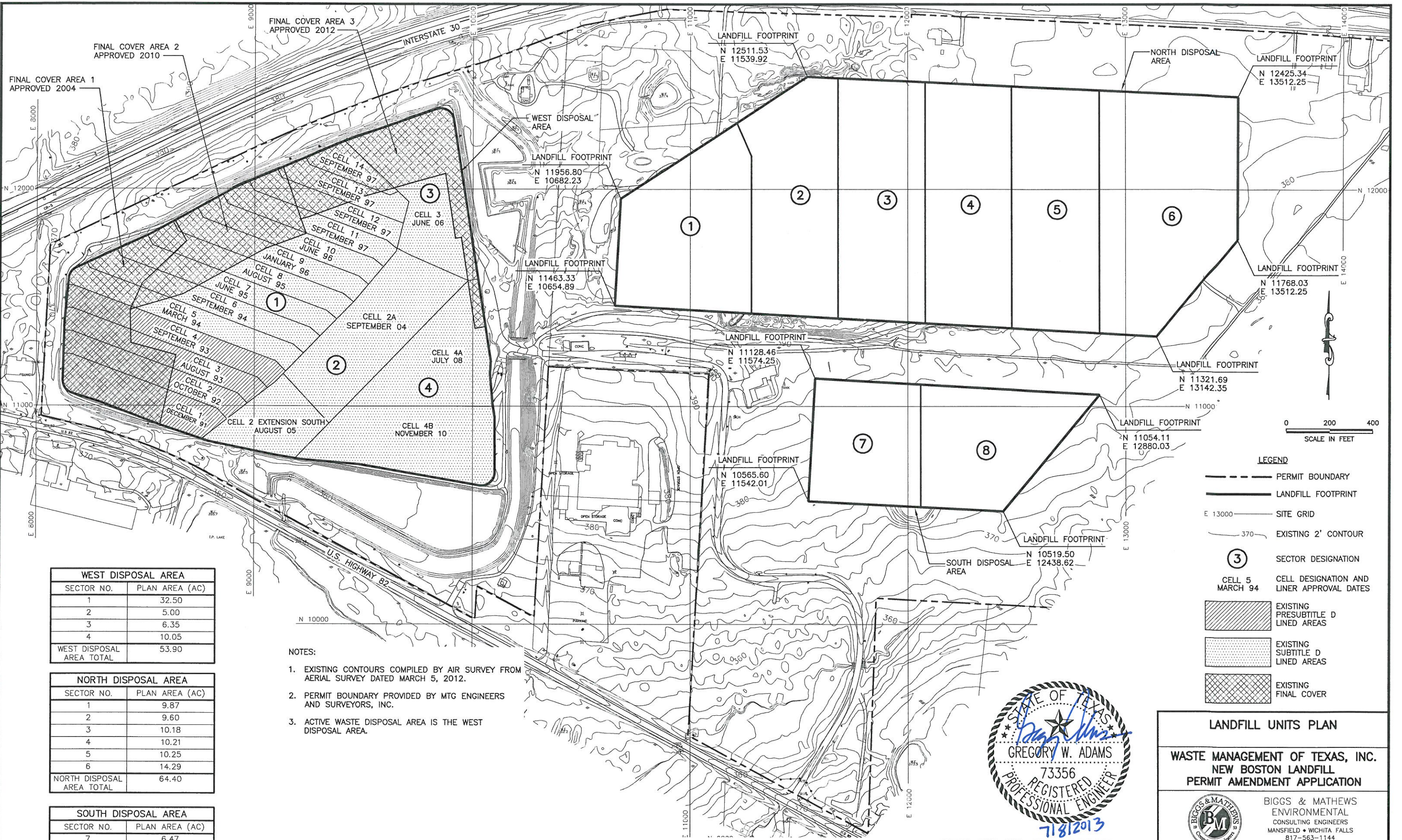
**PROCESSING AND/OR STORAGE  
UNITS PLAN**  
**WASTE MANAGEMENT OF TEXAS, INC.**  
**NEW BOSTON LANDFILL**  
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- LEGEND**
- PERMIT BOUNDARY
  - LANDFILL FOOTPRINT
  - E 13000 — SITE GRID
  - 370 — EXISTING 2' CONTOUR
  - ③ SECTOR DESIGNATION
  - CELL 5 MARCH 94 CELL DESIGNATION AND LINER APPROVAL DATES
  - [Hatched Box] EXISTING PRESUBTITLE D LINED AREAS
  - [Dotted Box] EXISTING SUBTITLE D LINED AREAS
  - [Cross-hatched Box] EXISTING FINAL COVER

**WEST DISPOSAL AREA**

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

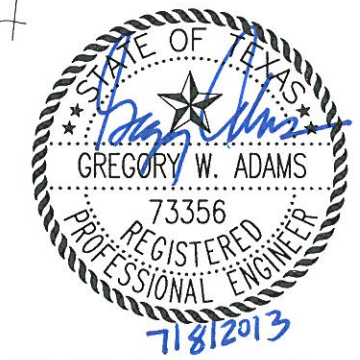
**NORTH DISPOSAL AREA**

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

**SOUTH DISPOSAL AREA**

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

- NOTES:**
- EXISTING CONTOURS COMPILED BY AIR SURVEY FROM AERIAL SURVEY DATED MARCH 5, 2012.
  - PERMIT BOUNDARY PROVIDED BY MTG ENGINEERS AND SURVEYORS, INC.
  - ACTIVE WASTE DISPOSAL AREA IS THE WEST DISPOSAL AREA.



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**LANDFILL UNITS PLAN**

**WASTE MANAGEMENT OF TEXAS, INC.**  
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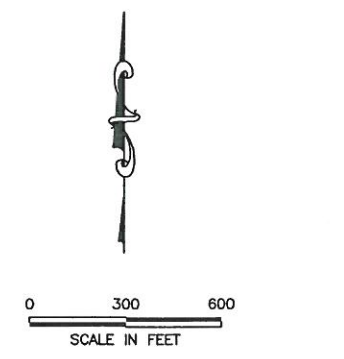
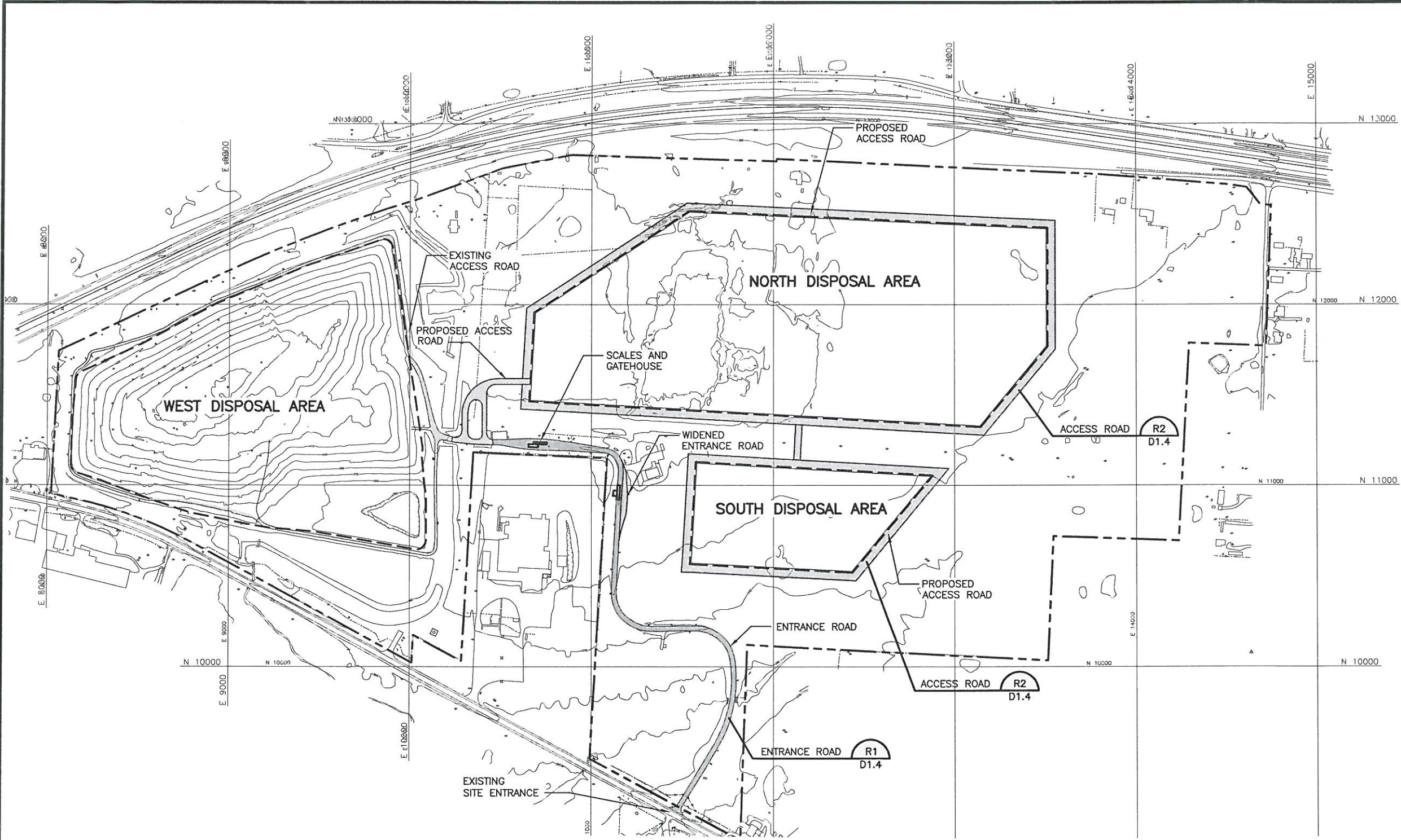


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REVISIONS					DATE	DESCRIPTION

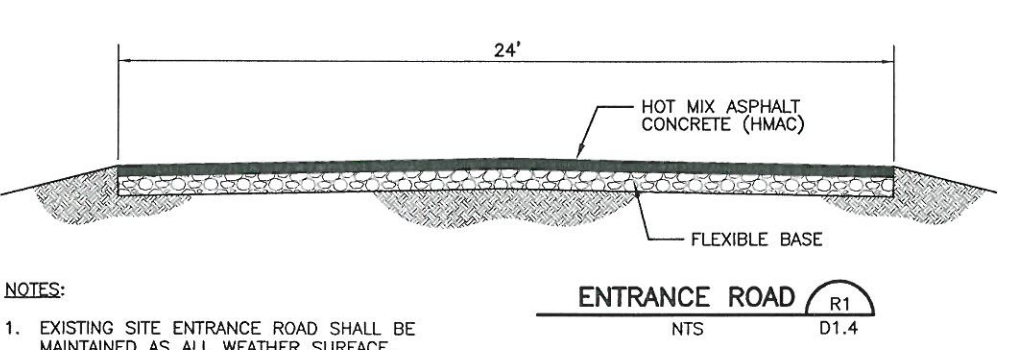
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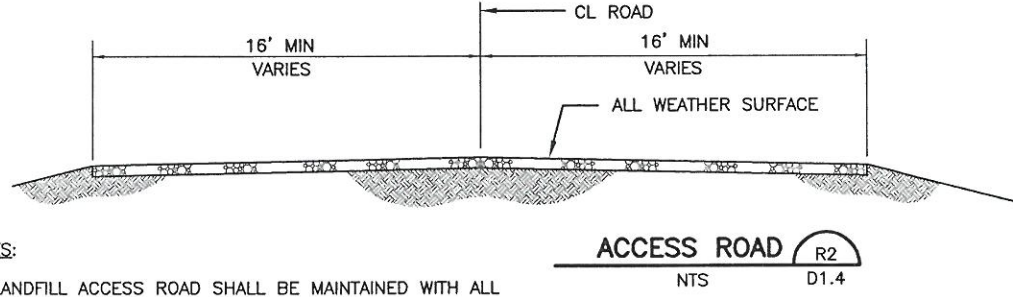


- LEGEND**
- PERMIT BOUNDARY
  - · - · - LANDFILL FOOTPRINT
  - N 11000 SITE GRID
  - 380 — EXISTING 10' CONTOUR

- NOTES:**
1. EXISTING CONTOURS COMPILED BY AIR SURVEY FROM AERIAL PHOTOGRAPHY FLOWN MARCH 5, 2012.
  2. ACCESS CONTROL PROVIDED BY FENCE LOCATED ALONG PROPERTY BOUNDARY. SITE ENTRANCE IS GATED.



- NOTES:**
1. EXISTING SITE ENTRANCE ROAD SHALL BE MAINTAINED AS ALL WEATHER SURFACE.



- NOTES:**
1. LANDFILL ACCESS ROAD SHALL BE MAINTAINED WITH ALL WEATHER SURFACE (CRUSHED STONE, GRAVEL, CONCRETE RUBBLE, MASONRY RUBBLE, WOOD CHIPS, OR OTHER SIMILAR MATERIALS) WHERE USED AS ACCESS TO WORKING FACE BY WASTE HAUL VEHICLES.

**LANDFILL ENTRANCE FACILITIES AND ACCESS ROADS**  
**WASTE MANAGEMENT OF TEXAS, INC.**  
**NEW BOSTON LANDFILL**  
**PERMIT AMENDMENT APPLICATION**

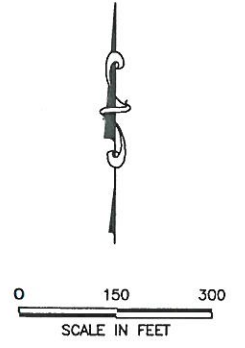
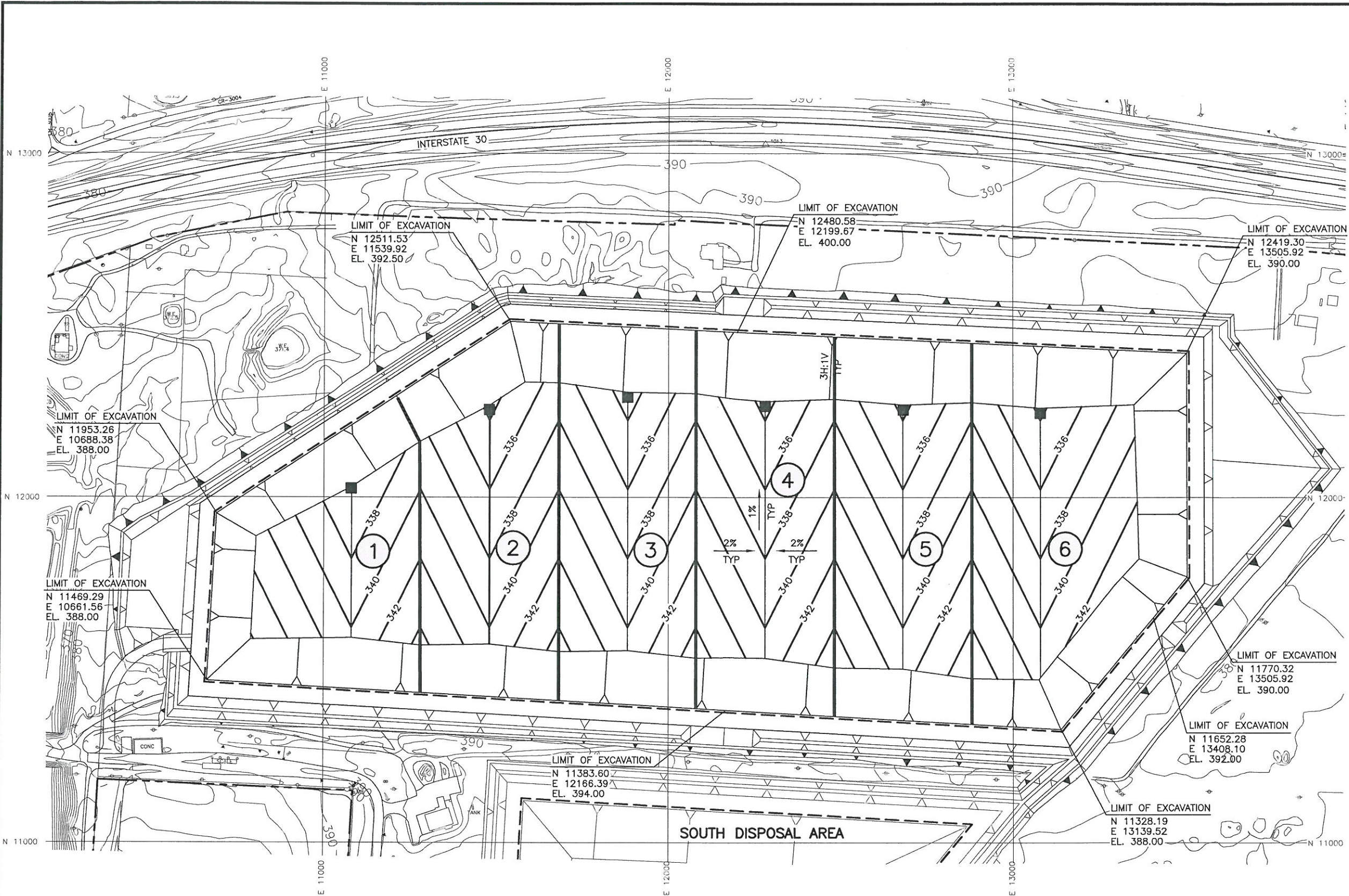
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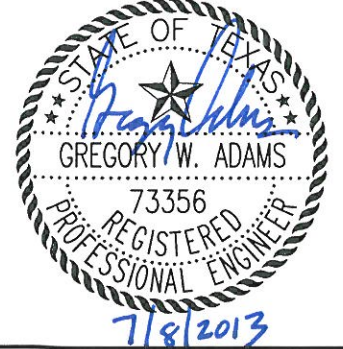
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- LEGEND**
- PERMIT BOUNDARY
  - - - LANDFILL FOOTPRINT
  - 380 EXISTING 2' CONTOUR
  - N 11000 SITE GRID
  - 338 PROPOSED CONTOUR
  - SUMP
  - ⑥ SECTOR DESIGNATION

- NOTES:**
1. EXISTING CONTOURS COMPILED BY AIR SURVEY FROM AERIAL SURVEY DATED MARCH 5, 2012.
  2. PERMIT BOUNDARY PROVIDED BY MTG ENGINEERS AND SURVEYORS, INC.
  3. PROPOSED CONTOURS DEPICT LINER SUBGRADE (EXCAVATION) GRADES.
  4. ELEVATION OF DEEPEST EXCAVATION AT THE BOTTOM OF SECTOR 3 SUMP = 330.0 FT. MSL.



**EXCAVATION PLAN  
NORTH DISPOSAL AREA  
WASTE MANAGEMENT OF TEXAS, INC.  
NEW BOSTON LANDFILL  
PERMIT AMENDMENT APPLICATION**



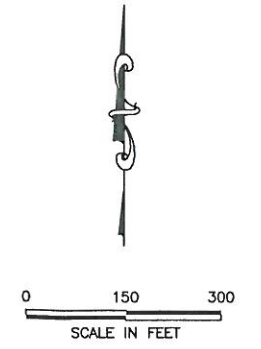
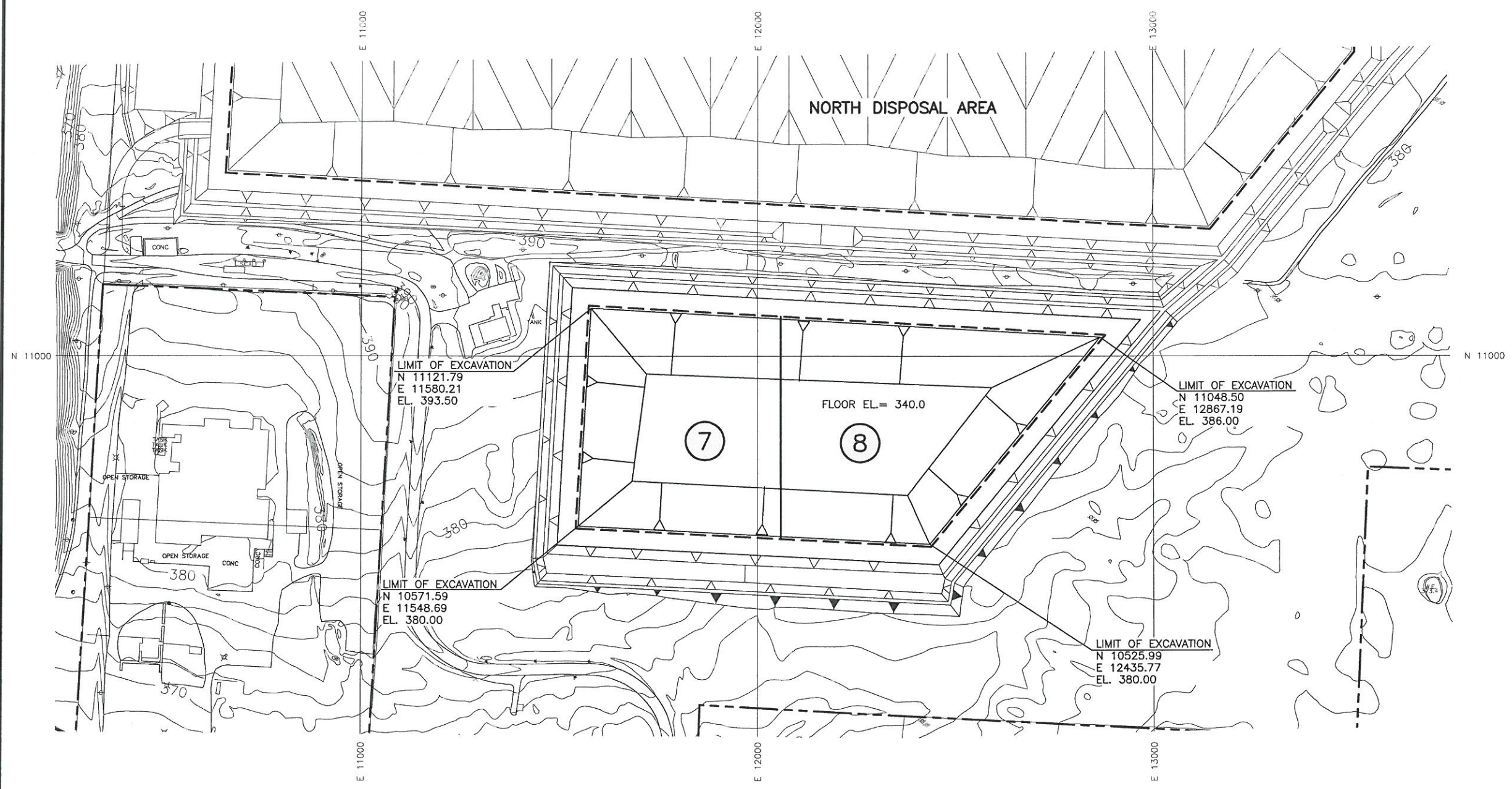
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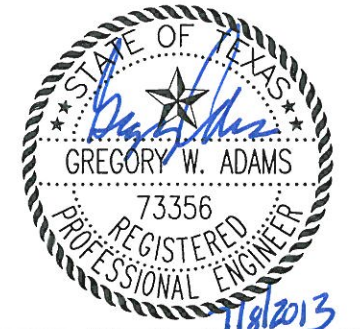
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- LEGEND**
- PERMIT BOUNDARY
  - - - LANDFILL FOOTPRINT
  - ~ 250 EXISTING 2' CONTOURS
  - N 11000 SITE GRID
  - 7** SECTOR DESIGNATION

- NOTES:**
1. EXISTING CONTOURS COMPILED BY AIR SURVEY FROM AERIAL SURVEY DATED MARCH 5, 2012.
  2. PERMIT BOUNDARY PROVIDED BY MTG ENGINEERS AND SURVEYORS, INC.
  3. PROPOSED CONTOURS DEPICT LINER SUBGRADE (EXCAVATION) GRADES.
  4. ELEVATION OF DEEPEST EXCAVATION = 340.0 FT. MSL.



**EXCAVATION PLAN  
 SOUTH DISPOSAL AREA**

**WASTE MANAGEMENT OF TEXAS, INC.  
 NEW BOSTON LANDFILL  
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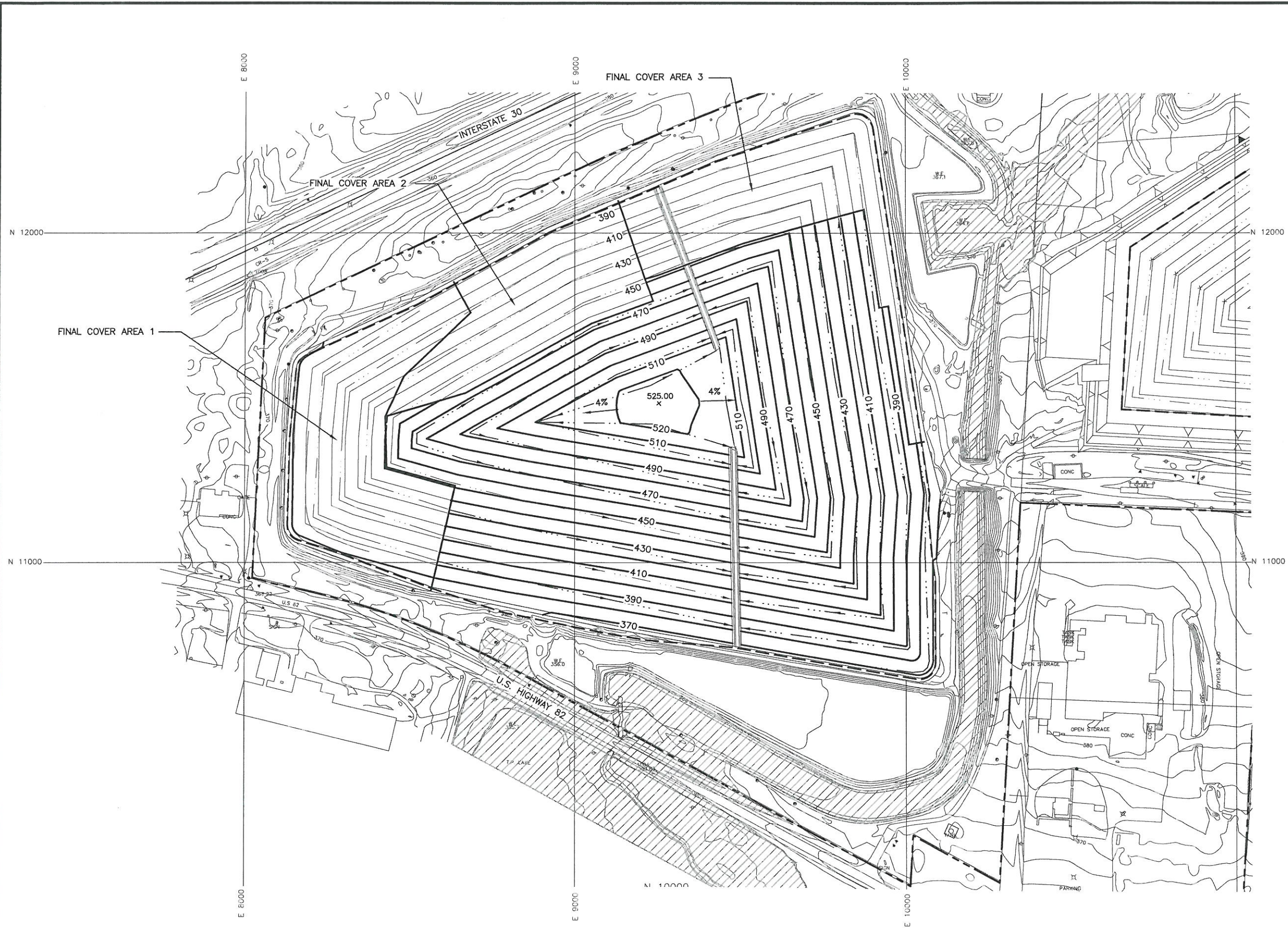
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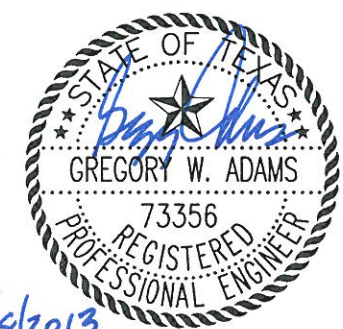
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**LEGEND**

	PERMIT BOUNDARY
	EXISTING 2' CONTOURS
	SITE GRID
	PROPOSED CONTOUR
	EXISTING SWALE
	PROPOSED SWALE
	LETDOWN CHUTE
	100-YEAR FLOODPLAIN

- NOTES:**
- EXISTING CONTOURS COMPILED BY AIR SURVEY FROM AERIAL SURVEY DATED MARCH 5, 2012.
  - PERMIT BOUNDARY PROVIDED BY MTG ENGINEERS AND SURVEYORS, INC.
  - PROPOSED CONTOURS DEPICT TOP OF FINAL COVER GRADES.
  - MAXIMUM TOP OF WASTE ELEVATION = 520.5 FT. MSL.



**LANDFILL COMPLETION PLAN  
WEST DISPOSAL AREA**  
**WASTE MANAGEMENT OF TEXAS, INC.**  
**NEW BOSTON LANDFILL**  
**PERMIT AMENDMENT APPLICATION**

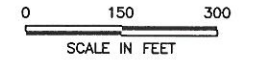
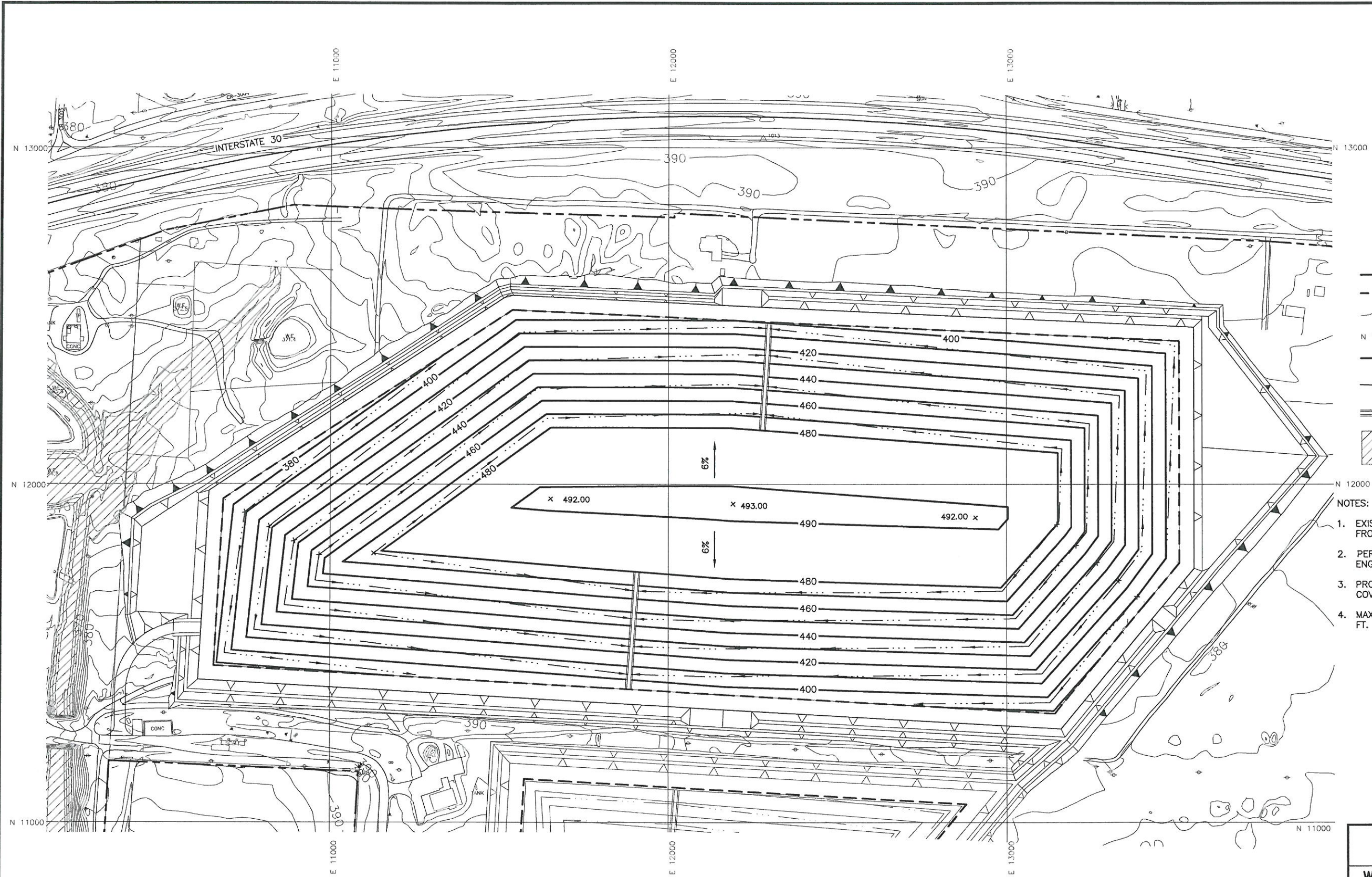


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**LEGEND**

	PERMIT BOUNDARY
	LANDFILL FOOTPRINT
	EXISTING 2' CONTOURS
	SITE GRID
	PROPOSED CONTOUR
	SWALE
	LETDOWN CHUTE
	100-YEAR FLOODPLAIN

- NOTES:**
- EXISTING CONTOURS COMPILED BY AIR SURVEY FROM AERIAL SURVEY DATED MARCH 5, 2012.
  - PERMIT BOUNDARY PROVIDED BY MTG ENGINEERS AND SURVEYORS, INC.
  - PROPOSED CONTOURS DEPICT TOP OF FINAL COVER GRADES.
  - MAXIMUM TOP OF WASTE ELEVATION = 488.5 FT. MSL.



**LANDFILL COMPLETION PLAN  
NORTH DISPOSAL AREA**  
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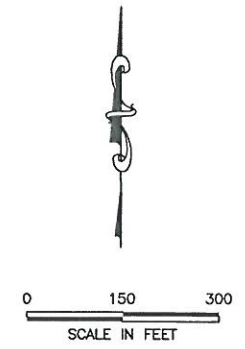
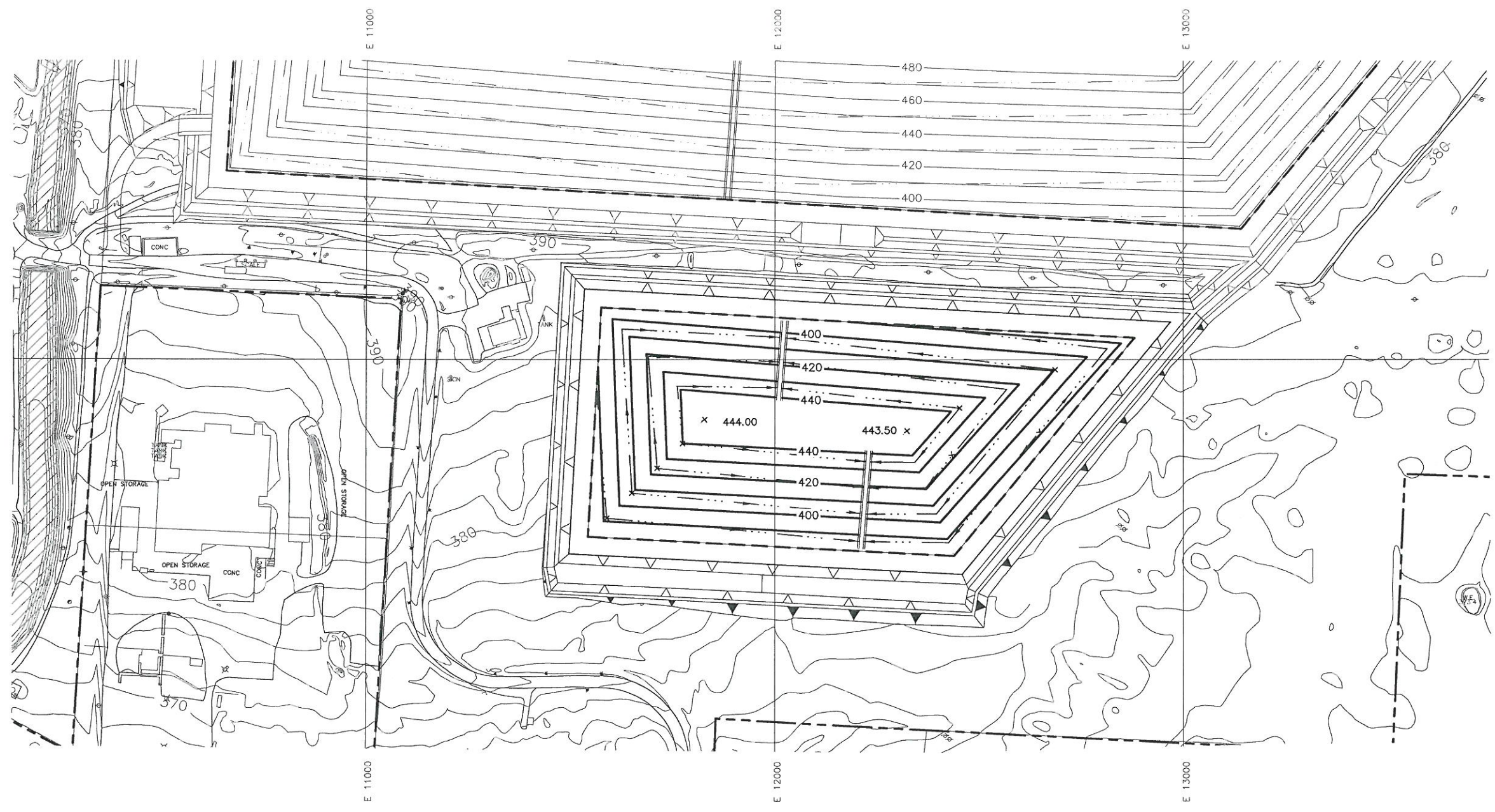
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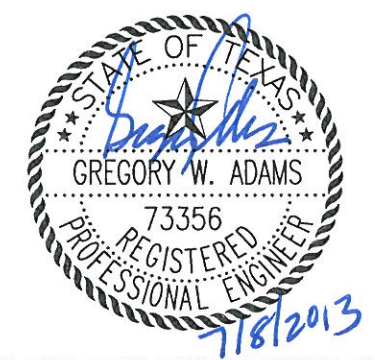
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- LEGEND**
- PERMIT BOUNDARY
  - LANDFILL FOOTPRINT
  - EXISTING 2' CONTOURS
  - SITE GRID
  - PROPOSED CONTOUR
  - SWALE
  - LETDOWN CHUTE
  - 100-YEAR FLOODPLAIN

- NOTES:**
1. EXISTING CONTOURS COMPILED BY AIR SURVEY FROM AERIAL SURVEY DATED MARCH 5, 2012.
  2. PERMIT BOUNDARY PROVIDED BY MTG ENGINEERS AND SURVEYORS, INC.
  3. PROPOSED CONTOURS DEPICT TOP OF FINAL COVER GRADES.
  4. MAXIMUM TOP OF WASTE ELEVATION = 439.5 FT. MSL.



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SOUTH DISPOSAL AREA**

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**DRAWING  
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