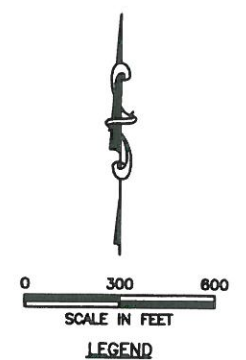
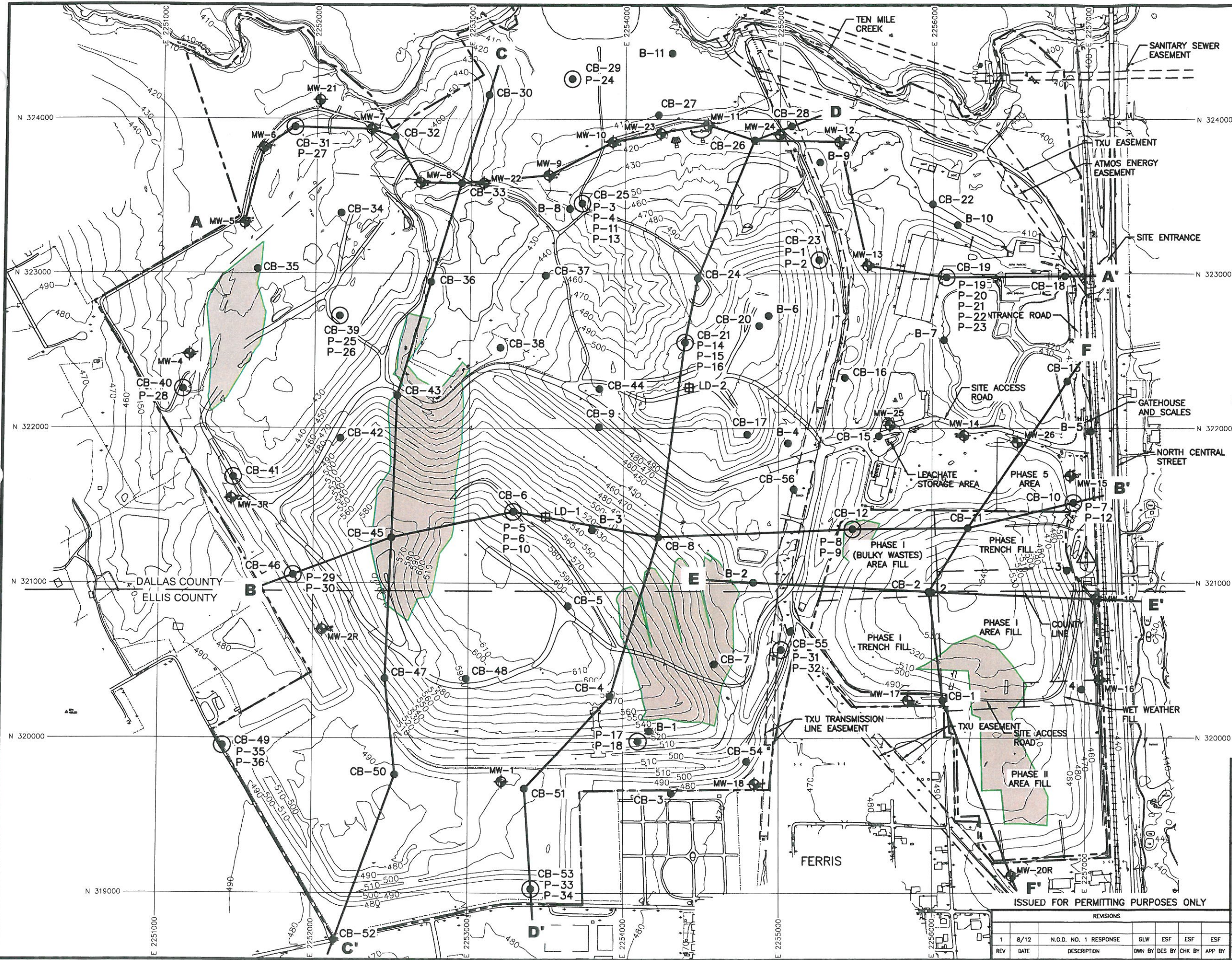




SKYLINE LANDFILL
APPENDIX E3
SITE GEOLOGIC DATA

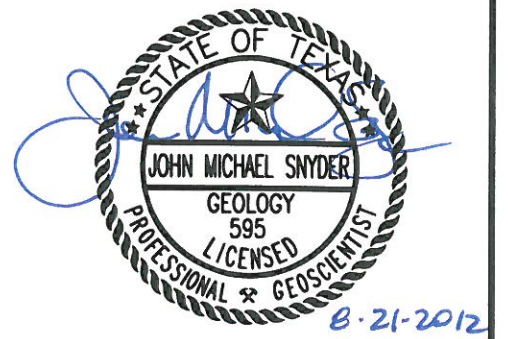
Geologic Cross Section Location Map	E3-1
Geologic Cross Section A-A' (<u>Full Version</u>)	E3-2
<u>Geologic Cross Section A-A' (Split Version)</u>	<u>E3-2a</u>
Geologic Cross Section B-B'	E3-3
Geologic Cross Section C-C'	E3-4
Geologic Cross Section D-D'	E3-5
<u>Geologic Cross Section E-E'</u>	<u>E3-6</u>
<u>Geologic Cross Section F-F'</u>	<u>E3-7</u>
Structural Contour Map of the Unweathered Taylor	E3-8

J:\101\01\120\ATT E3-1_XSecLocs.dwg Layout: Layout 1 User: gwhite



- LEGEND**
- PERMIT BOUNDARY
 - LANDFILL FOOTPRINT
 - 410 EXISTING 10' GROUND CONTOUR
 - MW-5 EXISTING MONITORING WELL
 - CB-15 BORING
 - P-1 PIEZOMETER
 - WEATHERED TAYLOR REMAINING

- NOTES:**
1. MONITORING WELL LOCATION MAP MODIFIED FROM ORIGINAL HDR DRAWING.
 2. 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.
 3. PLEASE SEE ATTACHMENT E, SECTION 4 FOR INFORMATION EXPLAINING THE VARIOUS SETS OF SOIL BORINGS.
 4. BOTTOM OF 42-A EXCAVATION IS ESTIMATED BASED ON INFORMATION FROM THE 1978 ORIGINAL PERMIT APPLICATION AND INFORMATION PROVIDED BY WASTE MANAGEMENT.



**GEOLOGIC CROSS SECTION
LOCATION MAP**

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



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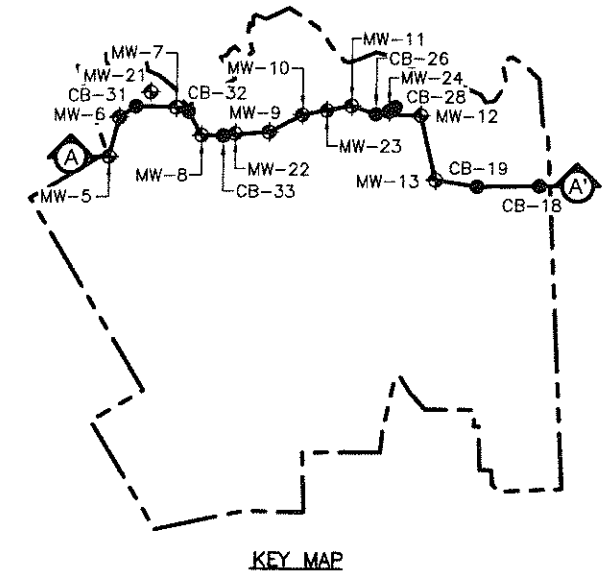
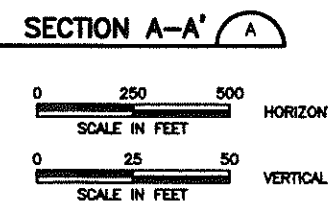
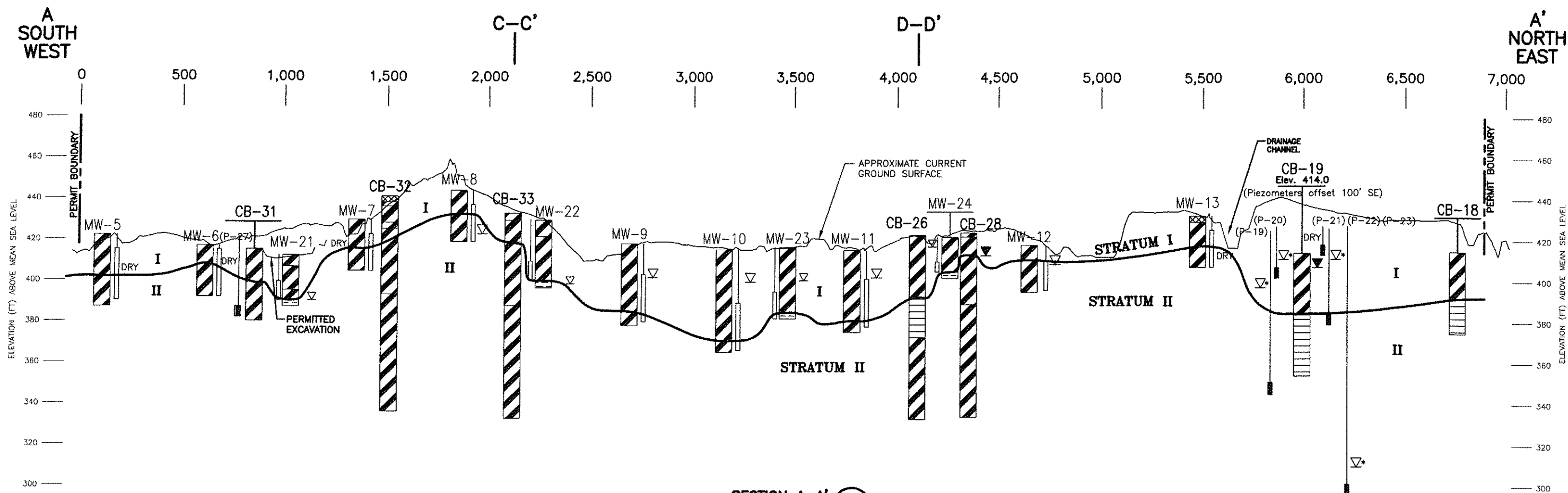
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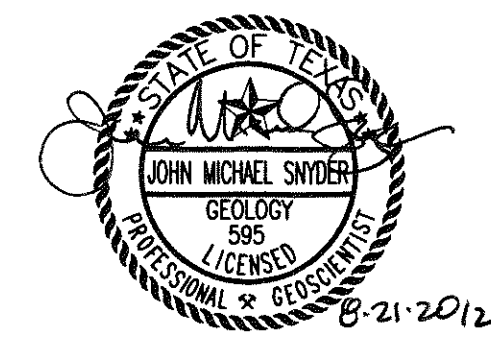
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CHK. JMS DWG : E3-1_XSecLocs.dwg

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

J:\101\01\120\ATT E\E3-2-7_XSections.dwg Layout: E3-2 User: gwhite



- LEGEND**
- Clay (CH)
 - Fill
 - Claystone (Unweathered Taylor Marl)
 - Shale
 - WATER LEVEL ELEVATION TAKEN DURING JUNE 2010 SAMPLING EVENT
 - STABILIZED DEPTH TO WATER OBSERVED AFTER DRILLING PRIOR TO PLUGGING
 - WATER LEVEL OBSERVED IN PIEZOMETERS ON JUNE 12, 1991
 - DRY NO WATER WAS OBSERVED DURING THE JUNE 2010 SAMPLING EVENT



GEOLOGIC CROSS SECTION A-A'
FULL LENGTH

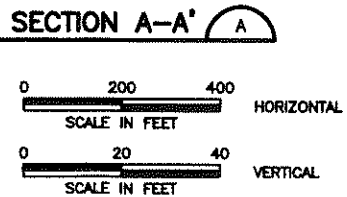
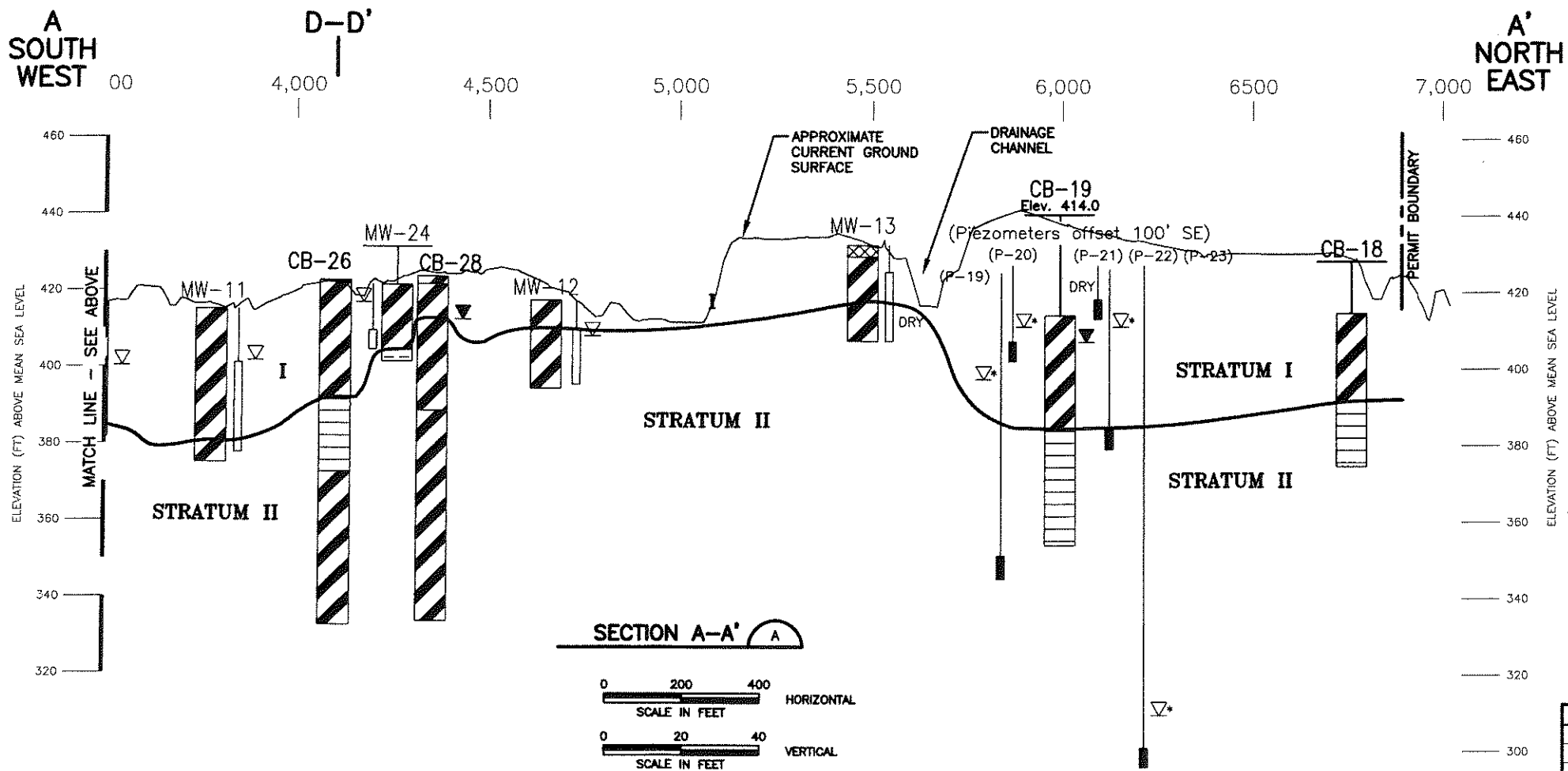
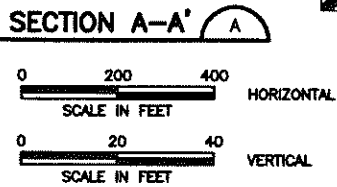
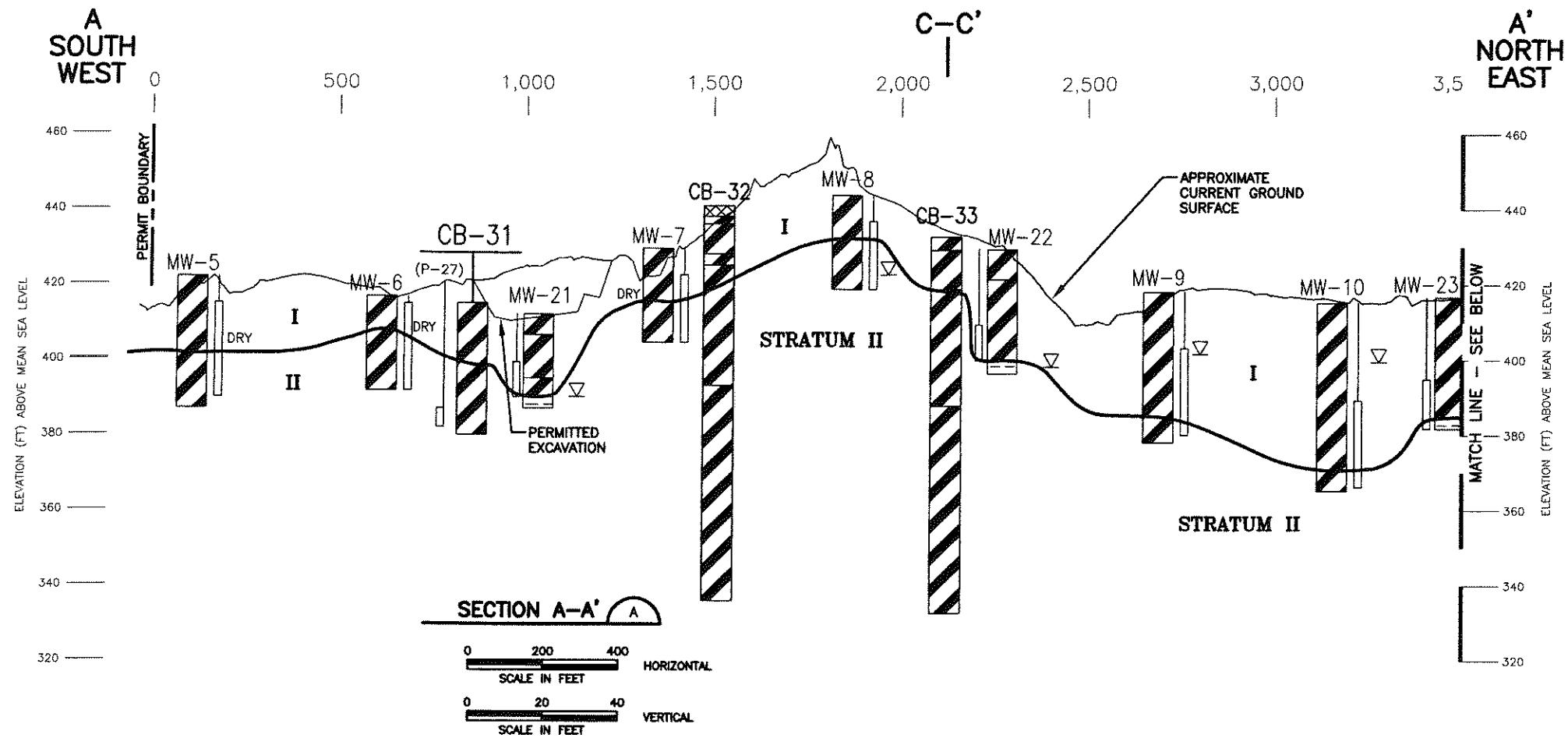
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SKYLINE LANDFILL
MAJOR PERMIT AMENDMENT

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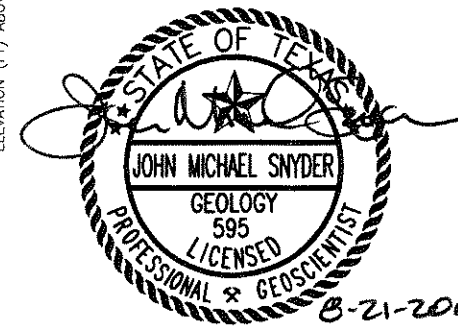
ISSUED FOR PERMITTING PURPOSES ONLY

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							CHK.	JMS	SCALE : GRAPHIC	
							DWG : E3-2-7_XSections.dwg			

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- LEGEND**
- Clay (CH)
 - Fill
 - Claystone (Unweathered Taylor Marl)
 - Shale
 - WATER LEVEL ELEVATION TAKEN DURING JUNE 2010 SAMPLING EVENT
 - STABILIZED DEPTH TO WATER OBSERVED AFTER DRILLING PRIOR TO PLUGGING
 - WATER LEVEL OBSERVED IN PIEZOMETERS ON JUNE 12, 1991
 - NO WATER WAS OBSERVED DURING THE JUNE 2010 SAMPLING EVENT

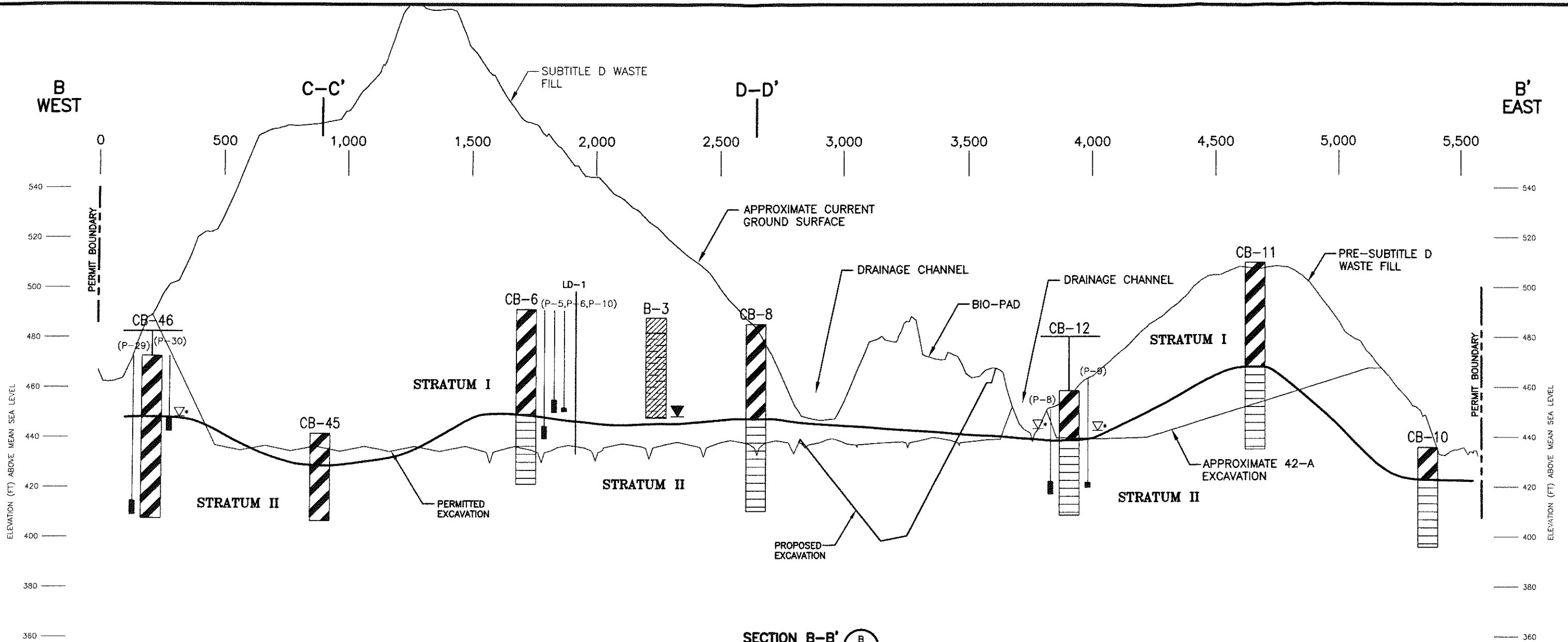


ISSUED FOR PERMITTING PURPOSES ONLY

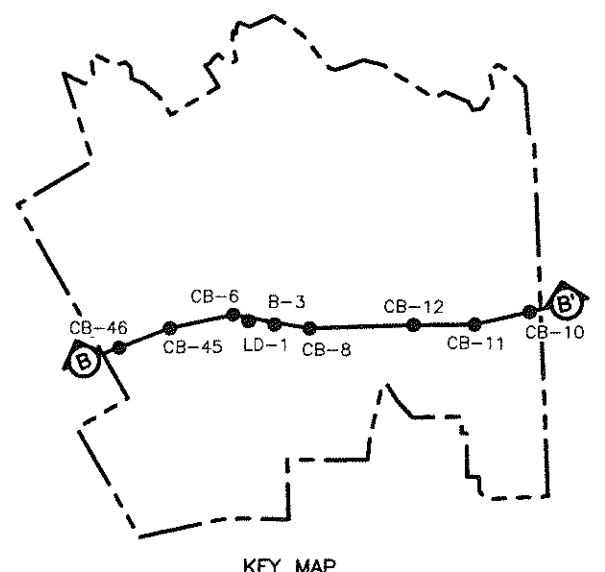
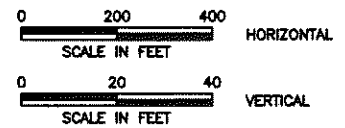
GEOLOGIC CROSS SECTION A-A' (SPLIT)	
WASTE MANAGEMENT OF TEXAS, INC. SKYLINE LANDFILL MAJOR PERMIT AMENDMENT	
	BIGGS & MATHEWS ENVIRONMENTAL CONSULTING ENGINEERS MANSFIELD • WICHITA FALLS 817-563-1144
TBPE FIRM NO. F-256	TBPG FIRM NO. 50222
DSN. ESF	DATE : 07/12
DWN. SRC	SCALE : GRAPHIC
CHK. JMS	DWG : E3-2-7_XSections.dwg
FIGURE E3-2A	

REVISIONS						
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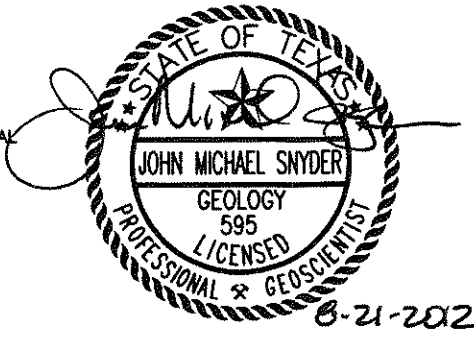
SECTION B-B'



LEGEND

- Clay (CH)
- Claystone (Unweathered Taylor Marl)
- WATER LEVEL ELEVATION TAKEN DURING JUNE 2010 SAMPLING EVENT
- STABILIZED DEPTH TO WATER OBSERVED AFTER DRILLING PRIOR TO PLUGGING
- WATER LEVEL OBSERVED IN PIEZOMETERS ON JUNE 12, 1991
- DRY** NO WATER WAS OBSERVED DURING THE JUNE 2010 SAMPLING EVENT

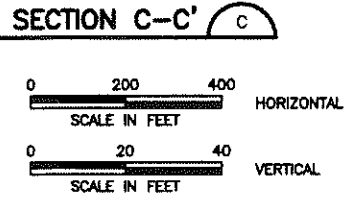
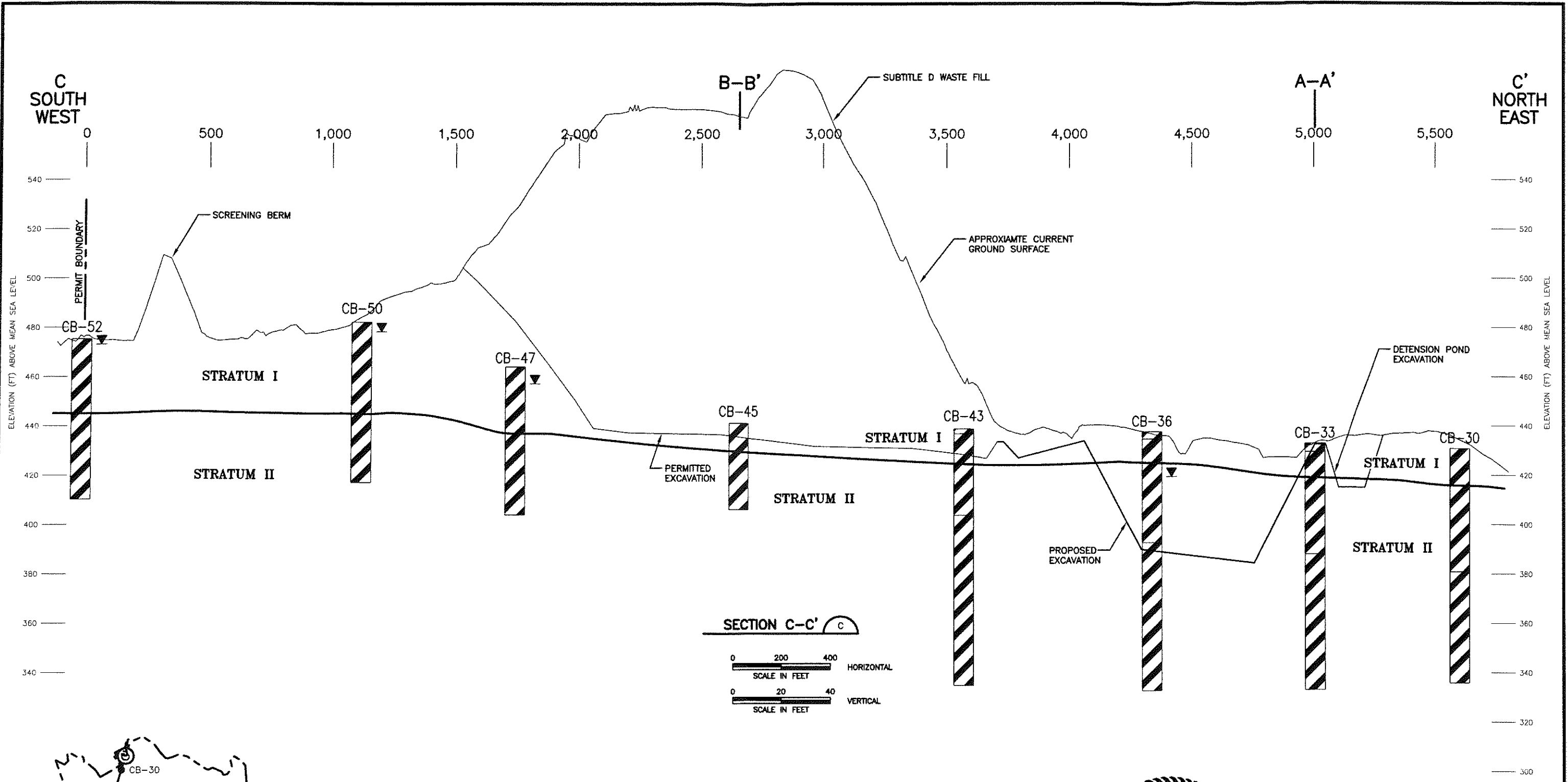
NOTE:
 1. BOTTOM OF 42-1 EXCAVATION IS ESTIMATED BASED ON INFORMATION FROM THE 1978 ORIGINAL PERMIT APPLICATION AND INFORMATION PROVIDED BY WASTE MANAGEMENT.



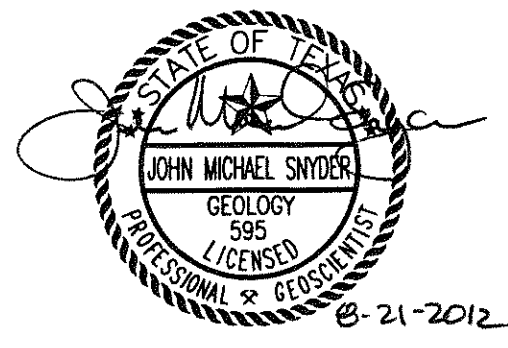
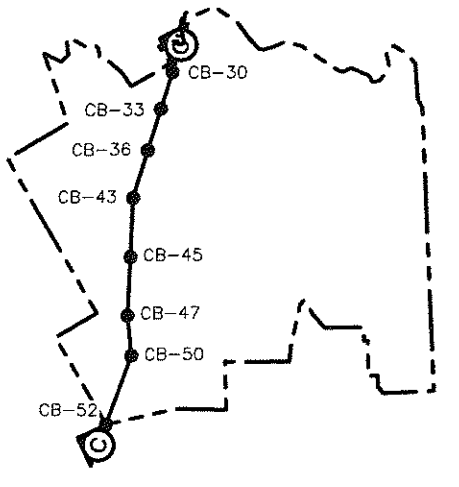
GEOLOGIC CROSS SECTION B-B'	
WASTE MANAGEMENT OF TEXAS, INC. SKYLINE LANDFILL MAJOR PERMIT AMENDMENT	
	BIGGS & MATHEWS ENVIRONMENTAL CONSULTING ENGINEERS MANSFIELD • WICHITA FALLS 817-563-1144
TBPE FIRM NO. F-256	TBPG FIRM NO. 50222

REVISIONS		DSN.	ESF	DATE	FIGURE			
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REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY	SCALE : GRAPHIC	
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- LEGEND**
- Clay (CH)
 - STABILIZED DEPTH TO WATER OBSERVED AFTER DRILLING PRIOR TO PLUGGING



GEOLOGIC CROSS SECTION C-C'

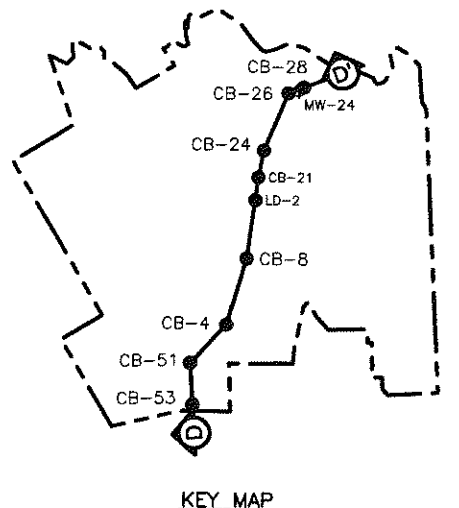
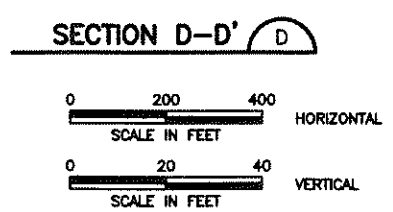
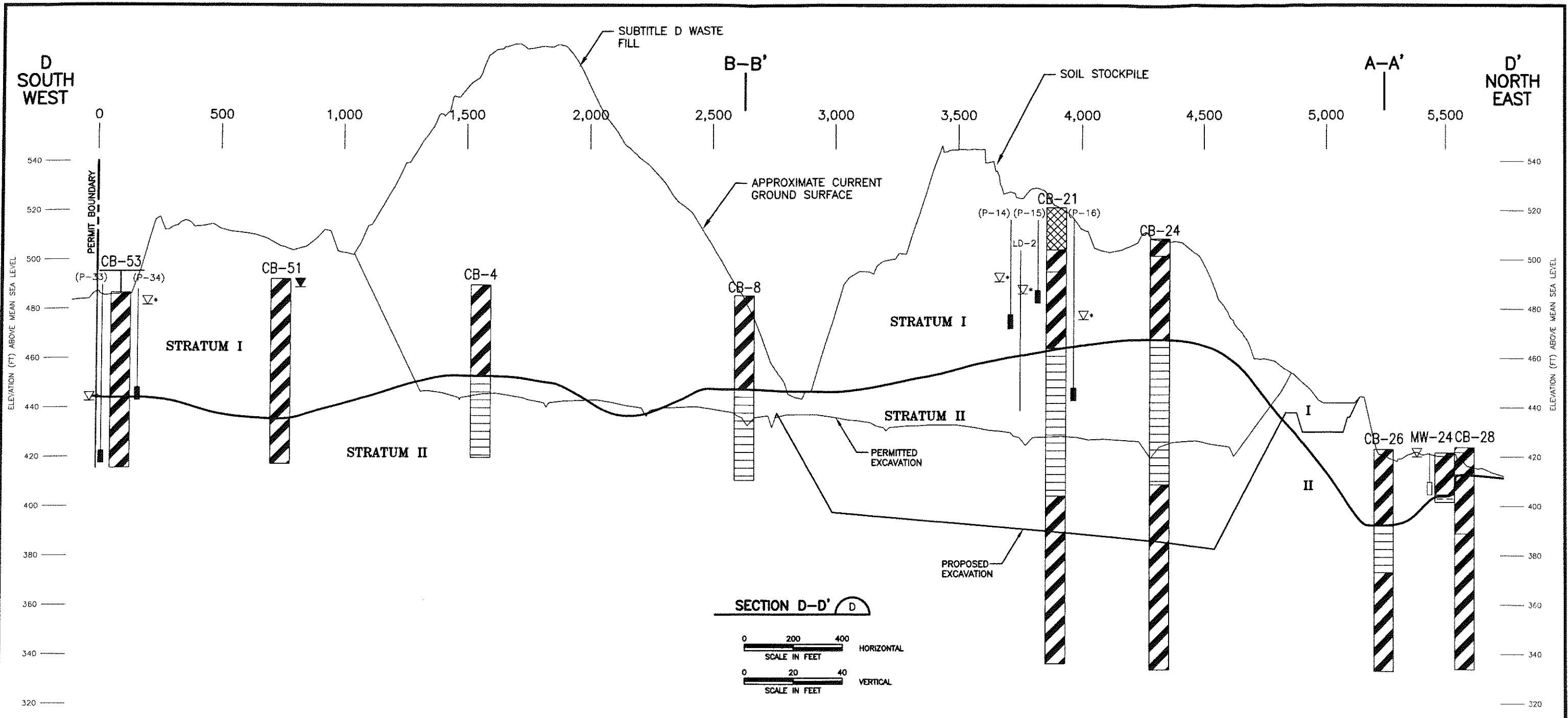
WASTE MANAGEMENT OF TEXAS, INC.
SKYLINE LANDFILL
MAJOR PERMIT AMENDMENT

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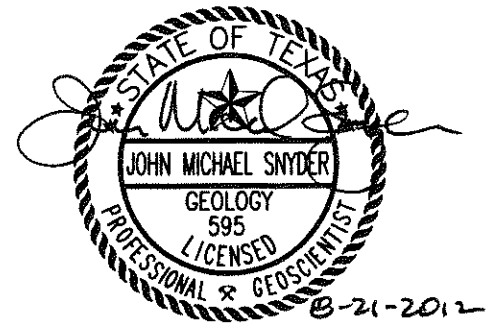
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LEGEND

- Clay (CH)
- Fill
- Claystone (Unweathered Taylor Marl)
- STABILIZED DEPTH TO WATER OBSERVED AFTER DRILLING PRIOR TO PLUGGING
- WATER LEVEL OBSERVED IN PIEZOMETERS ON JUNE 12, 1991

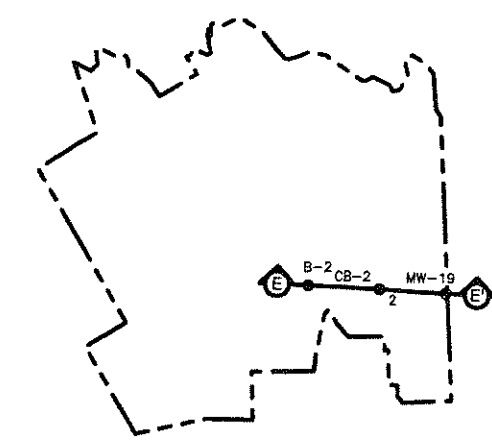
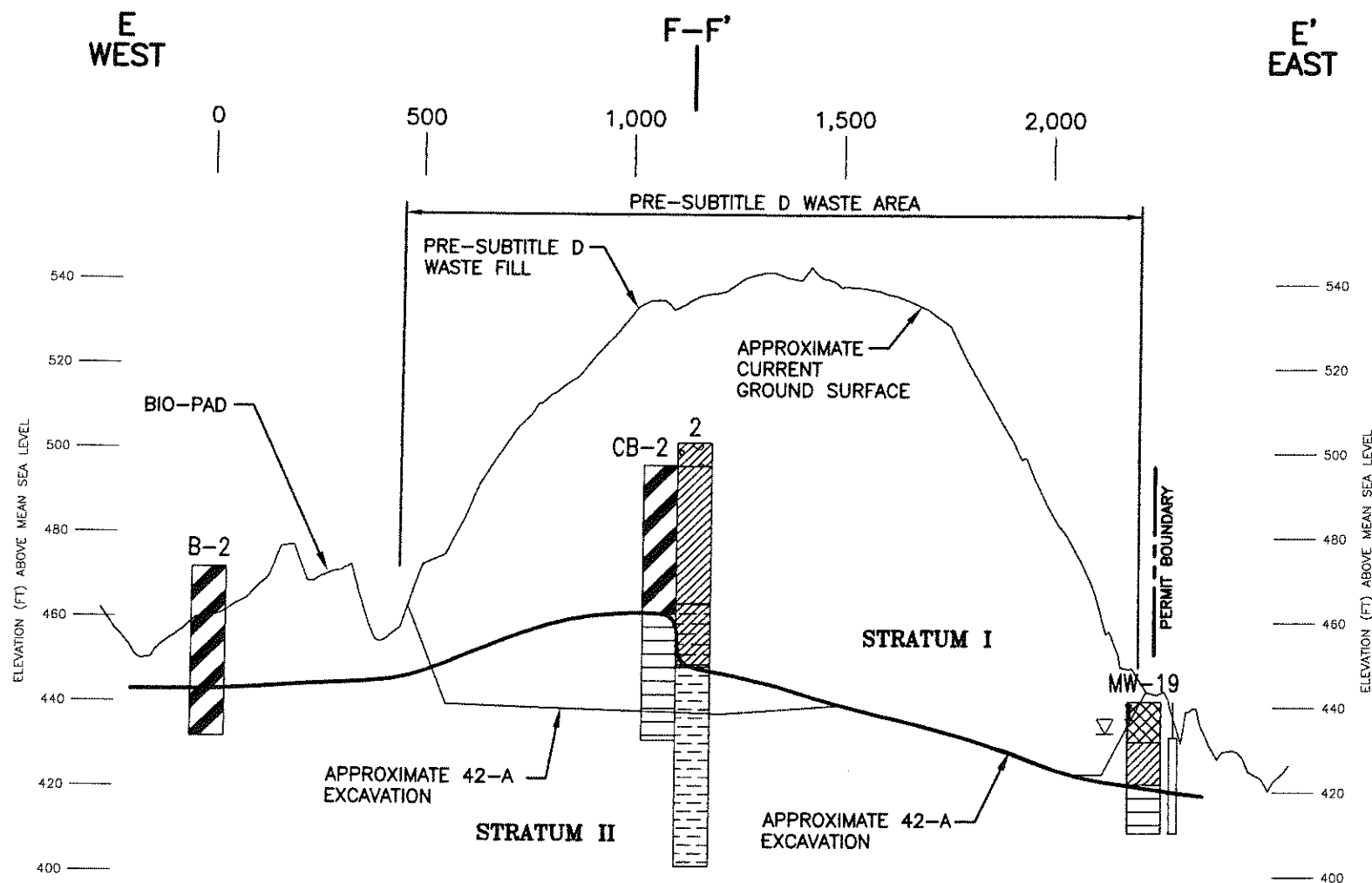


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GEOLOGIC CROSS SECTION D-D'	
WASTE MANAGEMENT OF TEXAS, INC. SKYLINE LANDFILL MAJOR PERMIT AMENDMENT	
	BIGGS & MATHEWS ENVIRONMENTAL CONSULTING ENGINEERS MANSFIELD • WICHITA FALLS 817-563-1144
TBPE FIRM NO. F-256	TBPG FIRM NO. 50222

REVISIONS						DSN.	ESF	DATE	04/12	FIGURE
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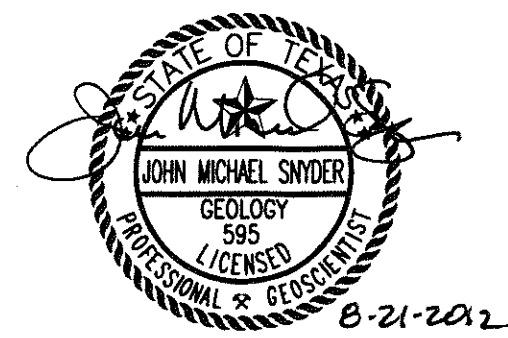
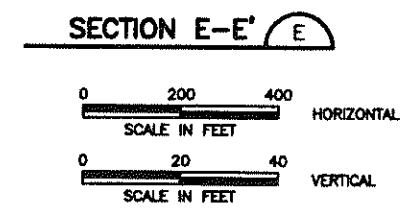
KEY MAP

LEGEND

- Clay (CH)
- Shale
- Clay (CL)
- Shaley Clay
- Fill
- Gravelly Clay
- Claystone (Unweathered Taylor Marl)
- WATER LEVEL ELEVATION TAKEN DURING JUNE 2010 SAMPLING EVENT

NOTES:

1. BOTTOM OF 42-A EXCAVATION IS ESTIMATED BASED ON INFORMATION FROM THE 1978 ORIGINAL PERMIT APPLICATION AND INFORMATION PROVIDED BY WASTE MANAGEMENT.



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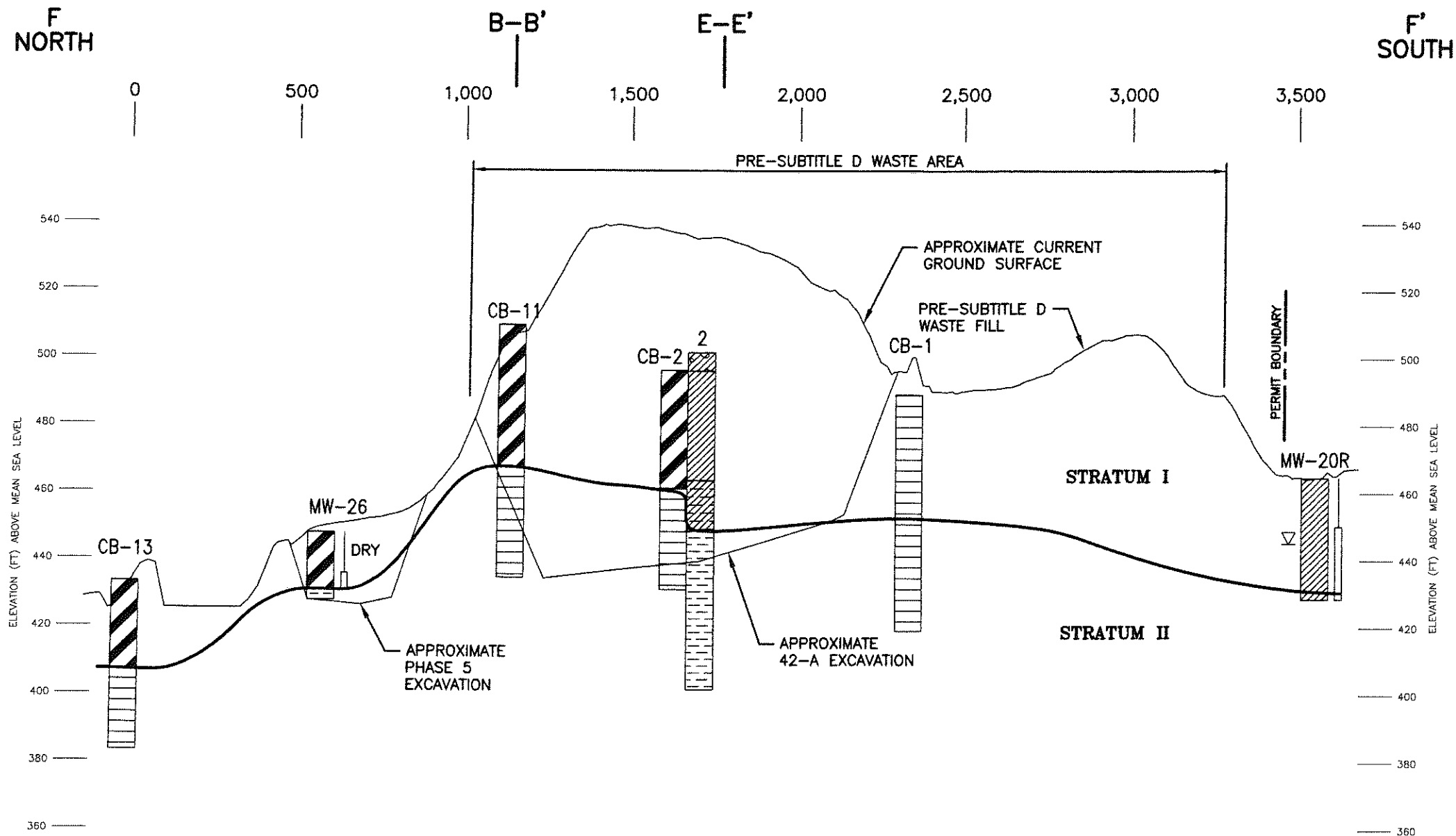
GEOLOGIC CROSS SECTION E-E'

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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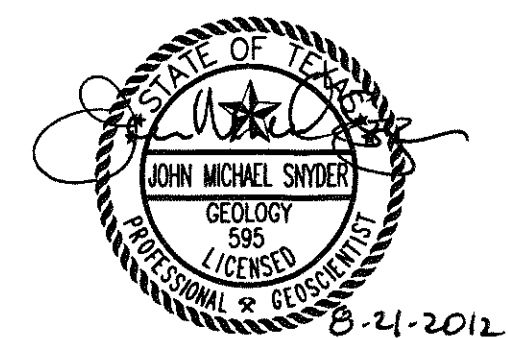
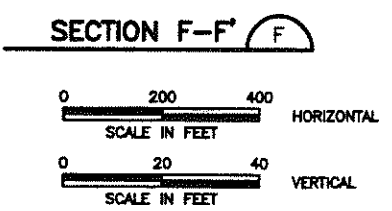
KEY MAP

LEGEND

- Clay (CH)
- Shale
- Clay (CL)
- Shaley Clay
- Claystone (Unweathered Taylor Marl)
- Gravelly Clay
- WATER LEVEL ELEVATION TAKEN DURING JUNE 2010 SAMPLING EVENT

NOTES:

1. BOTTOM OF 42-A EXCAVATION IS ESTIMATED BASED ON INFORMATION FROM THE 1978 ORIGINAL PERMIT APPLICATION AND INFORMATION PROVIDED BY WASTE MANAGEMENT.



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GEOLOGIC CROSS SECTION F-F'

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

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817-563-1144

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