



Texas Commission on Environmental Quality

Waste Permits Division Correspondence

Cover Sheet

Date: March 5, 2025

Facility Name: WM Skyline Landfill

Permit or Registration No.: 42D

Nature of Correspondence:

☒ Initial/New

☐ Response/Revision to TCEQ Tracking No.:
_____ (from subject line of TCEQ letter
regarding initial submission)

Affix this cover sheet to the front of your submission to the Waste Permits Division. Check appropriate box for type of correspondence. Contact WPD at (512) 239-2335 if you have questions regarding this form.

Table 1 - Municipal Solid Waste Correspondence

Applications	Reports and Notifications
<input type="checkbox"/> New Notice of Intent	<input type="checkbox"/> Alternative Daily Cover Report
<input type="checkbox"/> Notice of Intent Revision	<input type="checkbox"/> Closure Report
<input type="checkbox"/> New Permit (including Subchapter T)	<input type="checkbox"/> Compost Report
<input type="checkbox"/> New Registration (including Subchapter T)	<input type="checkbox"/> Groundwater Alternate Source Demonstration
<input type="checkbox"/> Major Amendment	<input type="checkbox"/> Groundwater Corrective Action
<input type="checkbox"/> Minor Amendment	<input type="checkbox"/> Groundwater Monitoring Report
<input type="checkbox"/> Limited Scope Major Amendment	<input type="checkbox"/> Groundwater Background Evaluation
<input checked="" type="checkbox"/> Notice Modification	<input type="checkbox"/> Landfill Gas Corrective Action
<input type="checkbox"/> Non-Notice Modification	<input type="checkbox"/> Landfill Gas Monitoring
<input type="checkbox"/> Transfer/Name Change Modification	<input type="checkbox"/> Liner Evaluation Report
<input type="checkbox"/> Temporary Authorization	<input type="checkbox"/> Soil Boring Plan
<input type="checkbox"/> Voluntary Revocation	<input type="checkbox"/> Special Waste Request
<input type="checkbox"/> Subchapter T Disturbance Non-Enclosed Structure	<input type="checkbox"/> Other:
<input type="checkbox"/> Other:	

Table 2 - Industrial & Hazardous Waste Correspondence

Applications	Reports and Responses
<input type="checkbox"/> New	<input type="checkbox"/> Annual/Biennial Site Activity Report
<input type="checkbox"/> Renewal	<input type="checkbox"/> CPT Plan/Result
<input type="checkbox"/> Post-Closure Order	<input type="checkbox"/> Closure Certification/Report
<input type="checkbox"/> Major Amendment	<input type="checkbox"/> Construction Certification/Report
<input type="checkbox"/> Minor Amendment	<input type="checkbox"/> CPT Plan/Result
<input type="checkbox"/> CCR Registration	<input type="checkbox"/> Extension Request
<input type="checkbox"/> CCR Registration Major Amendment	<input type="checkbox"/> Groundwater Monitoring Report
<input type="checkbox"/> CCR Registration Minor Amendment	<input type="checkbox"/> Interim Status Change
<input type="checkbox"/> Class 3 Modification	<input type="checkbox"/> Interim Status Closure Plan
<input type="checkbox"/> Class 2 Modification	<input type="checkbox"/> Soil Core Monitoring Report
<input type="checkbox"/> Class 1 ED Modification	<input type="checkbox"/> Treatability Study
<input type="checkbox"/> Class 1 Modification	<input type="checkbox"/> Trial Burn Plan/Result
<input type="checkbox"/> Endorsement	<input type="checkbox"/> Unsaturated Zone Monitoring Report
<input type="checkbox"/> Temporary Authorization	<input type="checkbox"/> Waste Minimization Report
<input type="checkbox"/> Voluntary Revocation	<input type="checkbox"/> Other:
<input type="checkbox"/> 335.6 Notification	
<input type="checkbox"/> Other:	



BIGGS & MATHEWS ENVIRONMENTAL, INC

TBPELS No. F-256 TBPELS No. 10194895 TBPB No. 50222

March 5, 2025

Megan Henson, Manager
MSW Permits Section, Waste Permits Division
MC-124
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

Re: Waste Management Skyline Landfill, Dallas/Ellis County
TCEQ Permit No. MSW 42D
Permit Modification: Part III, Attachment F – Groundwater Monitoring Plan
RN100542232; CN602613069

Dear Ms. Henson:

On behalf of Waste Management of Texas, Inc., the enclosed is a permit modification for the Skyline Landfill, TCEQ Permit No. MSW 42D. This permit modification has been prepared to be consistent with Title 30 of the Texas Administrative Code (TAC) §305.70(k). This permit modification includes revisions to Part III, Attachment F - Groundwater Monitoring Plan, that proposes the replacement/relocation of MW-10 and MW-23 due to damage. A permit modification narrative is included in this submittal.

Please process this permit modification request per §305.70(k)(4), which allows for changes to groundwater monitor well depth or design that are consistent with the groundwater characterization and approved monitoring system design, and that improve the effectiveness of the system in detecting contamination. The original and one copy of the permit modification are provided for your use and distribution. To facilitate your review, we have included copies of the groundwater monitoring plan revisions in both clean and redline/strikeout formats. In addition, one copy has been provided to the appropriate regional office and one copy has been placed in the site operating record.

We believe the enclosed modification to be consistent with the requirements of the Texas Commission on Environmental Quality. Please contact me or Elizabeth Lowry if you have any questions at 817-563-1144.

Sincerely,

BIGGS & MATHEWS ENVIRONMENTAL

Elizabeth Floyd, P.G.
Senior Hydrogeologist

Attachment: Permit Modification (original and one copy)

cc: Mayra Lopez, Environmental Protection Manager, Waste Management
Erin Gorman, Waste Section Manager, TCEQ Region 4

**SKYLINE LANDFILL
CITY OF FERRIS
DALLAS AND ELLIS COUNTIES, TEXAS
TCEQ PERMIT NO. MSW 42D**

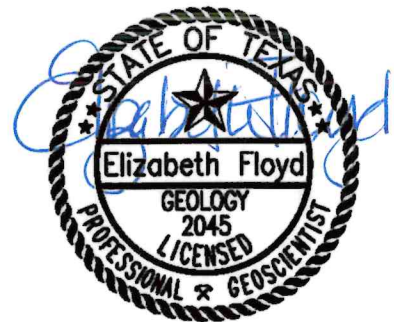
PERMIT MODIFICATION

**PART III – FACILITY INVESTIGATION AND DESIGN
ATTACHMENT F
GROUNDWATER MONITORING PLAN**

Prepared for

Waste Management of Texas, Inc.

March 2025



Biggs & Mathews Environmental, Inc.
Firm Registration No. 50222

3/5/2025

Prepared by



BIGGS & MATHEWS ENVIRONMENTAL, INC
TBPELS No. F-256 TBPELS No. 10194895 TBPG No. 50222

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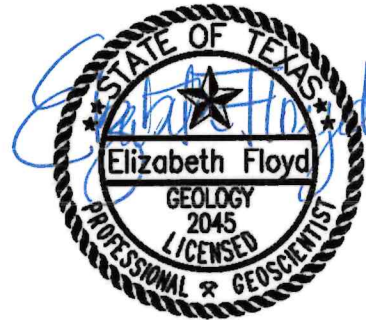
PERMIT MODIFICATON APPLICATION FORM (TCEQ 20650)

PERMIT MODIFICATION NARRATIVE

ATTACHMENT 1 – LAND OWNERSHIP MAP AND LAND OWNERSHIP LIST

ATTACHMENT 2 – MARKED (REDLINE/STRIKEOUT) PAGES

ATTACHMENT 3 – UNMARKED REVISED PAGES



Biggs & Mathews Environmental, Inc.
Firm Registration No. 50222

3/5/2025



Texas Commission on Environmental Quality

Application Form for Municipal Solid Waste Permit or Registration Modification or Temporary Authorization

Application Tracking Information

Facility Name: Skyline Landfill

Permittee or Registrant Name: Waste Management of Texas, Inc.

MSW Authorization Number: 42D

Initial Submission Date: 3/5/2025

Revision Date: _____

Instructions for completing this form are provided in [form TCEQ-20650-instr](#)¹. If you have questions, contact the Municipal Solid Waste Permits Section by email to [\[REDACTED\]](#) or by phone at 512-239-2335.

Application Data

1. Submission Type
<input checked="" type="checkbox"/> Initial Submission <input type="checkbox"/> Notice of Deficiency (NOD) Response
2. Authorization Type
<input checked="" type="checkbox"/> Permit <input type="checkbox"/> Registration
3. Application Type
<input checked="" type="checkbox"/> Modification with Public Notice <input type="checkbox"/> Modification without Public Notice
<input type="checkbox"/> Temporary Authorization (TA) <input type="checkbox"/> Modification for Name Change or Transfer
4. Application Fee
Amount The application fee for a modification or temporary authorization is \$150.
Payment Method <input type="checkbox"/> Check <input checked="" type="checkbox"/> Online through ePay portal www3.tceq.texas.gov/epay/ If paid online, enter ePay Trace Number: _____

¹ www.tceq.texas.gov/downloads/permitting/waste-permits/msw/forms/20650-instr.pdf

5. Electronic Versions of Application

For modifications that require notice, TCEQ will publish electronic versions of the application online. Applicants must provide a clean copy of the administratively complete application and technically complete application. TCEQ will also publish electronic versions of NOD responses online.

6. Party Responsible for Mailing Notice

For modifications that require notice, indicate who will be responsible for mailing notice:

☐ Applicant ☐ Agent in Service ☒ Consultant

Contact Name: Elizabeth Lowry

Title: Principal Scientist

Email Address: [REDACTED]

7. Confidential Documents

Does the application contain confidential documents?

☐ Yes ☒ No

If "Yes", reference the confidential documents in the application, but submit the confidential documents as an attachment in a separate binder marked "CONFIDENTIAL."

8. Facility General Information

Facility Name: Skyline Landfill

Contact Name: Mayra Lopez Title: Environmental Protection Manager

MSW Authorization Number (if existing): 42D

Regulated Entity Reference Number: **RN** 100542232

Physical or Street Address: 1201 N. Central Street

City: Ferris County: Dallas State: TX Zip Code: 75125

Phone Number: (972) 842-5710

Latitude (Degrees, Minutes, Seconds): 32° 33' 05.7" N

Longitude (Degrees, Minutes, Seconds): 96° 39' 57.5" W

9. Facility Types

☒ Type I ☐ Type IV ☐ Type V
☐ Type IAE ☐ Type IVAE ☐ Type VI

10. Description of the Revisions to the Facility

Provide a brief description of revisions to permit or registration conditions and supporting documents referred to by the permit or registration, and a reference to the specific provisions under which the modification or temporary authorization application is being made. Also, provide an explanation of why the modification or temporary authorization is needed:

This permit modification proposes changes to Part III, Attachment F of the facility's permit that will allow the relocation/replacement of damaged monitoring wells MW-10 and MW-23. This permit modification is being submitted per 30 TAC §305.70(k)(4) and §305.70(j).

11. Facility Contact Information

Site Operator (Permittee or Registrant)

Name: Waste Management of Texas, Inc.

Customer Reference Number: **CN** 600127856

Contact Name: Mayra Lopez Title: Environmental Protection Manager

Mailing Address: 1600 S. Railroad St

City: Lewisville County: Denton State: TX Zip Code: 75057

Phone Number: (469) 455-9804

Email Address: [REDACTED]

Texas Secretary of State (SOS) Filing Number: 22300000

Operator (if different from Site Operator)

Name: _____

Customer Reference Number: **CN** _____

Contact Name: _____ Title: _____

Mailing Address: _____

City: _____ County: _____ State: _____ Zip Code: _____

Phone Number: _____

Email Address: _____

Texas Secretary of State (SOS) Filing Number: _____

Consultant (if applicable)Firm Name: Biggs & Mathews Environmental, Inc.Consultant Name: Elizabeth Floyd, P.G. (TBPG No. 50222)Texas Board of Professional Engineers Firm Registration Number: F-256Contact Name: Elizabeth Lowry Title: Principal ScientistMailing Address: 1700 Robert Road, Suite 100City: Mansfield County: Tarrant State: TX Zip Code: 76063Phone Number: (817) 563-1144Email Address: [REDACTED]**Agent in Service (required for out-of-state applicants)**

Name: _____

Mailing Address: _____

City: _____ County: _____ State: TX Zip Code: _____

Phone Number: _____

Email Address: _____

12. Ownership Status of the Facility

Is this a modification that changes the legal description, the property owner, or the Site Operator (Permittee or Registrant)?

☐ Yes ☒ No

If the answer is "No", skip this section.

Does the Site Operator (Permittee or Registrant) own all the facility units and all the facility property?

☐ Yes ☐ No

If "No", provide the following information for other owners.

Owner Name: _____

Mailing Address: _____

City: _____ County: _____ State: TX Zip Code: _____

Phone Number: _____

Email Address: _____

Signature Page

Site Operator or Authorized Signatory

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Mayra Lopez Title: Environmental Protection Manager

Email Address: [REDACTED]

Signature: *Mayra Lopez* Date: 3/05/2025

Operator or Principal Executive Officer Designation of Authorized Signatory

To be completed by the operator if the application is signed by an authorized representative for the operator.

I hereby designate _____ as my representative and hereby authorize said representative to sign any application, submit additional information as may be requested by the Commission; and/or appear for me at any hearing or before the Texas Commission on Environmental Quality in conjunction with this request for a Texas Water Code or Texas Solid Waste Disposal Act permit. I further understand that I am responsible for the contents of this application, for oral statements given by my authorized representative in support of the application, and for compliance with the terms and conditions of any permit which might be issued based upon this application.

Operator or Principal Executive Officer Name: _____

Email Address: _____

Signature: _____ Date: _____

Notary

SUBSCRIBED AND SWORN to before me by the said Mayra Lopez

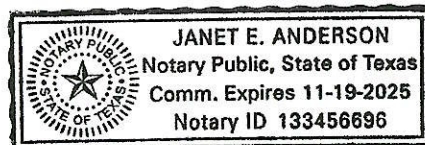
On this 5th day of March, 2025

My commission expires on the 19th day of November 2025

Janet E. Anderson

Notary Public in and for

Tarrant County, Texas



Note: Application Must Bear Signature and Seal of Notary Public

Attachments for Permit or Registration Modification with Public Notice

Refer to instruction document **200650-instr** for professional engineer seal requirements.

Attachments Table 1. Required attachments.

Required Attachments	Attachment Number
Land Ownership Map	1
Landowners List	1
Marked (Redline/Strikeout) Pages	2
Unmarked Revised Pages	3

Attachments Table 2. Additional attachments as applicable.

Additional Attachments as Applicable (select all that apply and add others as needed)	Attachment Number
<input type="checkbox"/> TCEQ Core Data Form(s)	
<input type="checkbox"/> Signatory Authority Delegation	
<input type="checkbox"/> Fee Payment Receipt	
<input type="checkbox"/> Confidential Documents	

PERMIT MODIFICATION NARRATIVE

Background

A certified and TCEQ approved Subtitle D groundwater monitoring system is in place at the Skyline Landfill. The existing groundwater monitoring system consists of a total of 34 monitoring wells, of which 4 wells are upgradient and 29 wells are downgradient.

Proposed Permit Modification

Due to intermittent high turbidity readings at both MW-10 and MW-23 during recent groundwater monitoring events, a site inspection was conducted by Biggs & Mathew's Environmental (BME) and Waste Management of Texas, Inc. (WMTX) personnel to investigate possible sources. Upon visual inspection of MW-10 it was observed that the well had a substantial lean to one side. In addition, a significant amount of soil had accumulated on and around the well pad as a result of site operations in the vicinity of the well. A downhole camera was placed in MW-10 to provide an internal video inspection. During the review of the video footage, it appeared that the joint seal at approximately 2 feet from the top of casing may have been compromised, as evidenced by the presence of a discolored dried residue at the joint seal, that may have allowed surface infiltration to the wellbore. Upon further internal inspection of the well, an obstruction was viewed near the bottom of the well that stretched horizontally across the well. Video inspection was then conducted for MW-23. At approximately 7 feet from top of casing, significant damage to the PVC material was observed. The camera was unable to advance past the damage and the dedicated pump was unable to be released from the well for further evaluation. Upon completion of the investigation, it was determined that the integrity of MW-10 and MW-23 were both compromised and that each well would need to be replaced in order to collect representative groundwater samples from these locations.

Rather than replacing the wells in the general vicinity of their current locations, it was determined that relocating these two wells to the north, away from current site operations would alleviate future issues with the accumulation of soil in and around the monitor well pads. As such, monitoring well MW-10 is proposed to be relocated approximately 160 feet northwest of the current location and will be identified as MW-10R. Monitoring well MW-23 is proposed to be relocated approximately 76 feet north of the current location and will be identified as MW-23R. Each of the relocated wells will be within 500-feet of the original waste footprint, as defined by 30 TAC §330.3. Each of these replacement wells will be monitored on a quarterly basis for two years, in accordance with §330.407(a). The approved background limits for the wells being replaced will be used until new background limits can be established.

Replacement monitoring wells MW-10R and MW-23R will have similar design details as MW-10 and MW-23 (4" in diameter and screened across the interface of the weathered/unweathered Taylor Marl contact). Monitoring well MW-10R and MW-23R will be screened at the appropriate interval that will monitor the full saturated thickness of the

uppermost aquifer, consistent with the monitoring well system design approved in the Subchapter J permit modification and 2015 permit amendment.

This modification has been prepared in accordance with §305.70(k) - *for those modifications requiring notice, the permittee or registrant must send notice of the modification application by first-class mail in accordance with §39.106 of this title and to all persons listed in §39.413 of this title.* The required Adjacent Property Owners List is provided in Attachment 1 to this permit modification. The Adjacent Property Owners List identifies those property owners that are adjacent to or within ¼ mile of the permit boundary, mineral interest ownership under the facility, and the facility easement holders. The adjacent property owners identified were from Dallas and Ellis Counties Tax Appraisal District records.

The replacement of MW-10 and MW-23 is proposed under §305.70(k)(4) – *for changes to groundwater monitor well depth or design that are consistent with the groundwater characterization and approved monitoring system design, and that improve the effectiveness of the system in detecting contamination.*

The plugging of MW-10 and MW-23 will be under 305.70(j)(27) – *the plugging of groundwater monitoring wells when the executive director has determined that the plugging of monitoring wells is appropriate in various situations, including when a monitoring well is being replaced.* °

Conclusion

This permit modification includes only the pages that have been revised. The permit modification includes the following:

- **Part III – Facility Investigation and Design**

Attachment F – Groundwater Monitoring Plan.






- Figure F1-1 has been revised to reflect the currently approved groundwater monitoring system, following the installation of MW-9R and MW-22R2, as well as the plugging of MW-9 and MW-22R in accordance with the June 23, 2022 issued permit modification.
- Figure F1-2 has been revised to show the proposed replacement of MW-10 with MW-10R and MW-23 with MW-23R, as well as the as-built location of MW-9R and MW-22R2.
- Figure F1-3 has been revised to show the proposed well details for MW-10R and MW-23R.

ATTACHMENT 1

LAND OWNERSHIP MAP AND
LAND OWNERSHIP LIST

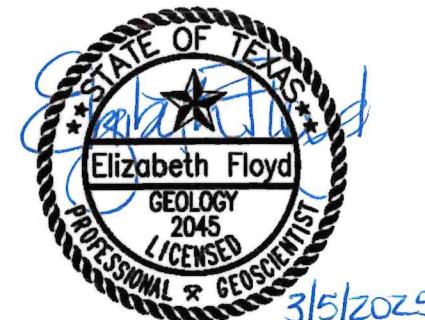


LEGEND

- | | |
|---|--------------------------------|
|  | PERMIT BOUNDARY |
|  | LANDFILL FOOTPRINT |
|  | COUNTY LINE |
|  | LAND OWNERSHIP IDENTIFICATION |
|  | LAND OWNED BY WASTE MANAGEMENT |

NOTES:

1. REFER TO LAND OWNERS LIST ON PAGE IB-1 THROUGH IB-12 FOR ADJACENT LAND OWNER LIST.
2. ADJACENT LAND OWNERS IN DALLAS COUNTY BASED ON DALLAS COUNTY APPRAISAL DISTRICT ONLINE RECORDS FROM DCAD WEBSITE ON FEBRUARY 6, 2025. ADJACENT LAND OWNERS IN ELLIS COUNTY BASED ON ELLIS COUNTY APPRAISAL DISTRICT ONLINE RECORDS WEBSITE ON FEBRUARY 6, 2025.
3. LAND OWNERS HAVE BEEN IDENTIFIED ADJACENT TO AND WITHIN 1/4 MILE OF THE PERMIT BOUNDARY.



Biggs & Mathews Environmental, Inc.
Firm Registration No. 50222

LAND OWNERSHIP MAP

WASTE MANAGEMENT OF TEXAS, INC.
SKYLINE LANDFILL
PERMIT MODIFICATION



**BIGGS & MATHEWS
ENVIRONMENTAL**
1700 ROBERT ROAD, STE. 100
MANSFIELD, TEXAS 76063
817-563-1144

TBPELS FIRM NO. F-256 AND NO. 10194895

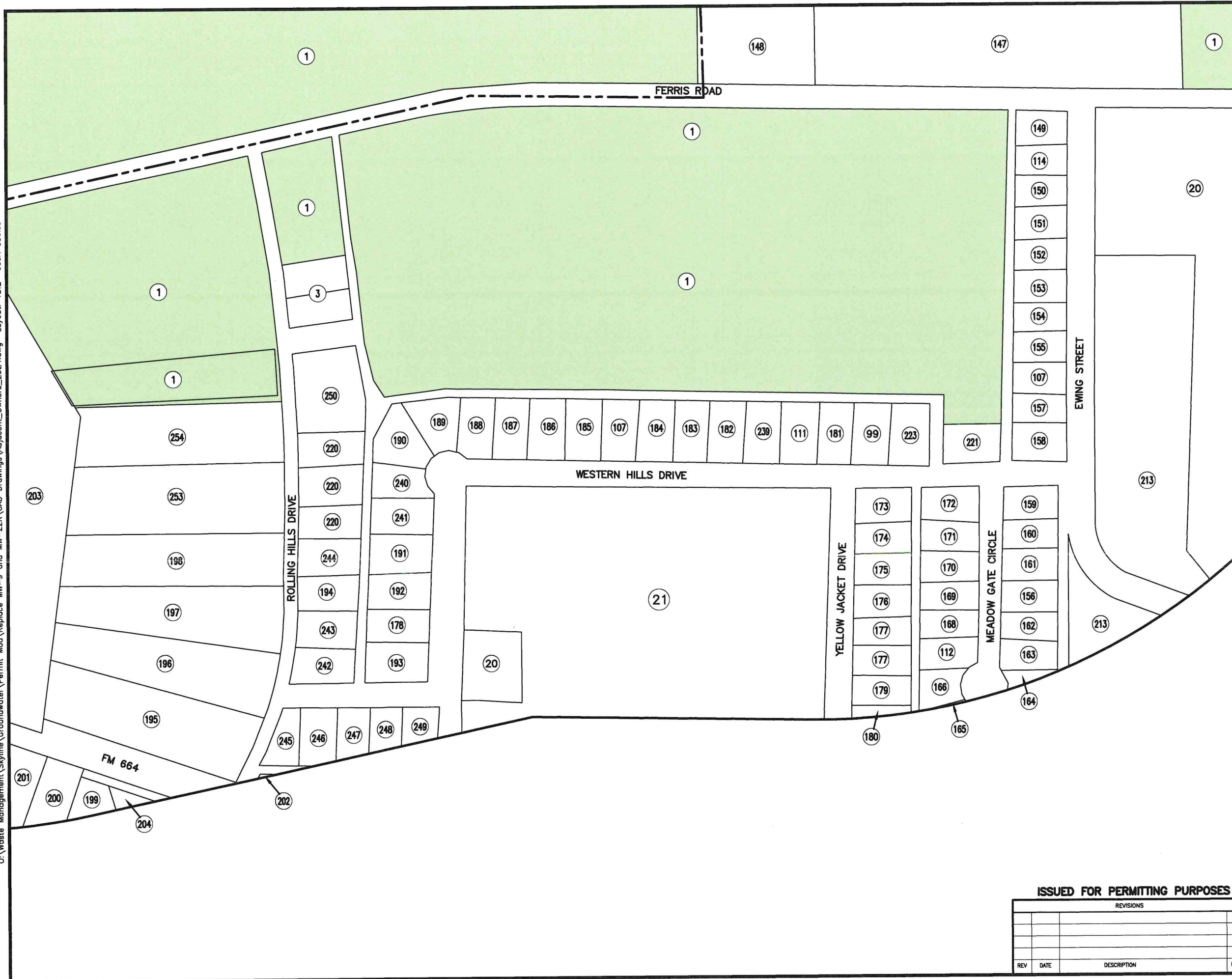
TBPG FIRM NO. 50222

1B.1

ISSUED FOR PERMITTING PURPOSES

REVISIONS			
REV	DATE	DESCRIPTION	DWN

O:\Waste Management\Skyline\Groundwater\Permit Mod\Replace MW-9 and MW-22R\CAD Drawings\Adjacent_Owners_2024.dwg Layout: 1B.2 User: bboles



- LEGEND**
- PERMIT BOUNDARY
 - ① LAND OWNERSHIP IDENTIFICATION
 - LAND OWNED BY WASTE MANAGEMENT

- NOTES:**
1. REFER TO LAND OWNERS LIST ON PAGE IB-1 THROUGH IB-12 FOR ADJACENT LAND OWNER LIST.
 2. ADJACENT LAND OWNERS IN DALLAS COUNTY BASED ON DALLAS COUNTY APPRAISAL DISTRICT ONLINE RECORDS FROM DCAD WEBSITE ON FEBRUARY 6, 2025. ADJACENT LAND OWNERS IN ELLIS COUNTY BASED ON ELLIS COUNTY APPRAISAL DISTRICT ONLINE RECORDS WEBSITE ON FEBRUARY 6, 2025.
 3. LAND OWNERS HAVE BEEN IDENTIFIED ADJACENT TO AND WITHIN 1/4 MILE OF THE PERMIT BOUNDARY.

STATE OF TEXAS
Elizabeth Floyd
GEOLOGY
2045
LICENSED
PROFESSIONAL & GEOSCIENTIST
3/5/2025
Biggs & Mathews Environmental, Inc.
Firm Registration No. 50222

LAND OWNERSHIP MAP

WASTE MANAGEMENT OF TEXAS, INC.
SKYLINE LANDFILL
PERMIT MODIFICATION

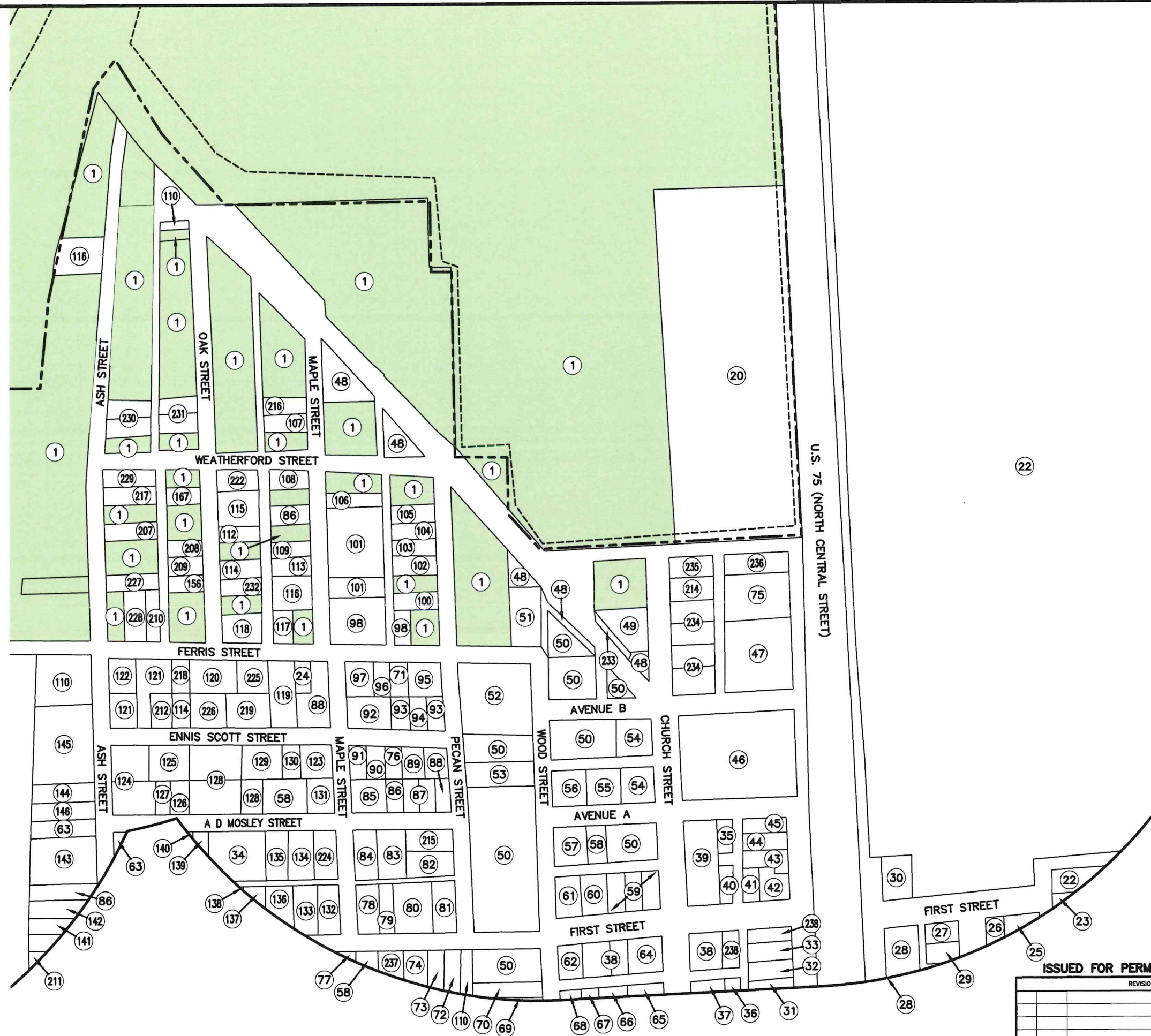
BME **BIGGS & MATHEWS ENVIRONMENTAL**
1700 ROBERT ROAD, STE. 100
MANSFIELD, TEXAS 76063
817-563-1144

TBPES FIRM NO. F-256 AND NO. 10194895
TBPG FIRM NO. 50222

1B.2

ISSUED FOR PERMITTING PURPOSES

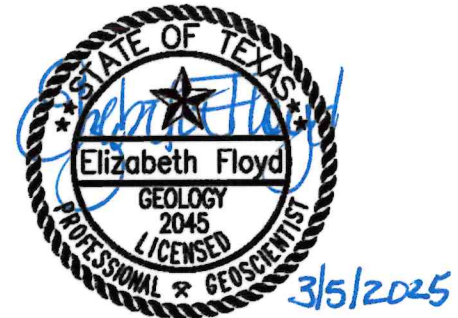
REVISIONS			
REV	DATE	DESCRIPTION	OWN BY



LEGEND

- PERMIT BOUNDARY
- - - LANDFILL FOOTPRINT
- COUNTY LINE
- ① LAND OWNERSHIP IDENTIFICATION
- LAND OWNED BY WASTE MANAGEMENT

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Biggs & Mathews Environmental, Inc.
Firm Registration No. 50222

LAND OWNERSHIP MAP

WASTE MANAGEMENT OF TEXAS, INC.
SKYLINE LANDFILL
PERMIT MODIFICATION

BME

BIGGS & MATHEWS ENVIRONMENTAL
1700 ROBERT ROAD, STE. 100
MANSFIELD, TEXAS 76063
817-563-1144

ISSUED FOR PERMITTING PURPOSES

REV	DATE	DESCRIPTION	OWN BY

TBPES FIRM NO. F-256 AND NO. 10194895

TBPG FIRM NO. 50222

1B.3

REVISIONS			

**Skyline Landfill
Land Owners List**

(From Appraisal District Records for Dallas and Ellis County - February 6, 2025)

1	Waste Management of TX, Inc.	PO Box 1450	Chicago	IL	60690-1450
2	Kenneth Johnson	PO Box 375	Ferris	TX	75125-0375
3	Allen Edwards	504 Rolling Hills Dr.	Ferris	TX	75125
4	John Stephens	1911 Williams Rd	Irving	TX	75060-3362
5	Hector C. & Minerva Perez	2614 Sleepy Hollow Ln	Lancaster	TX	75146-5900
6	Eleno Padierna	3314 Linkwood Dr	Lancaster	TX	75146-5908
7	Veronica Stewart Life Estate	3418 Linkwood Dr	Lancaster	TX	75146-5909
8	HOMY Investments LLC	3420 Linkwood Dr	Lancaster	TX	75146-5909
9	Enrique Martinez	3417 Linkwood Dr	Lancaster	TX	75146-5911
10	Rafael Silva	3421 Linkwood Dr	Lancaster	TX	75146-5911
11	Sabrina Huff	151 Lassetter Dr	Red Oak	TX	75154-5111
12	Hamid Rahmani	5428 Wedgmont Cir. North	Fort Worth	TX	76133-2643
13	Charles Edward Jones	1539 Southerland Ave	Dallas	TX	75203-4336
14	Sassin Investments, Inc.	PO Box 266	Wilmer	TX	75122-0266
15	Sassin and Sons	PO Box 266	Wilmer	TX	75122-0266
16	E. L. Smith III et al c/o Smith Trust Agency	3100 Monticello Ave #575	Dallas	TX	75205-3439
17	TX Utilities Electric Company	PO Box 139100	Dallas	TX	75313-9100
18	Union Pacific Railroad c/o Tax Department	1400 Douglas St Stop 1640	Omaha	NE	68179-1001
19	Prime Rail Interest LLC	PO Box 249	Colleyville	TX	76034-0249
20	City of Ferris	100 Town Plaza	Ferris	TX	75125-2537
21	Ferris ISD	PO Box 428	Ferris	TX	75125-0428
22	Old Brickyard Group LLC	605 N. Interstate Hwy 45	Ferris	TX	75125-1826
23	Maria Duenas	411 Webb St	Ferris	TX	75125-1730
24	BLANK LINE				
25	Juana Gandarilla	408 E. First St	Ferris	TX	75125-1725
26	Cavadian Properties LLC	7929 Brookriver Ste 350	Dallas	TX	75247
27	Arturo M Garcia & Maribel P. Hernandez	106 East 1 st St	Ferris	TX	75125
28	Sergio Salano	7225 W. Flower St	Phoenix	AZ	85033
29	Raymond Caldwell	409 N. Baker St	Ferris	TX	75125
30	Estate of John Ovalle & Victor Garcia	2250 Sara Jane Pkwy Apt 3202	Grand Prairie	TX	75051-4905
31	Ricardo Rodriguez	304 W 3rd St	Ferris	TX	75125
32	Monica Moreno	309 N Main St	Ferris	TX	75125
33	Jaime Garcia	411 N. Main St	Ferris	TX	75125
34	Jesus & Amelia De La Rosa	700 A D Mosley St	Ferris	TX	75125-1545
35	Ellis County Trustee	101 W Main St	Waxahachie	TX	75165-0405
36	Rafael & Maria Mendez	207 W 2nd St	Ferris	TX	75125

**Skyline Landfill
Land Owners List**
(From Appraisal District Records for Dallas and Ellis County - February 6, 2025)

37	Michael D. Johnson	211 W 2 nd St	Ferris	TX	75125-1606
38	Maria G. Garcia	404 N Church St	Ferris	TX	75125-2107
39	Monica Moreno & Cleotilde Moreno	309 N Main St	Ferris	TX	75125
40	Jesus & Lilia Orozco	2921 Holy Cross Ln	Garland	TX	75044-4673
41	Jose Hernandez & Dora Mendez	308 A Ave	Ferris	TX	75125-1613
42	W. W. Wright Estate	8544 Foxwood Ln	Dallas	TX	75217-2057
43	Robert K. & Ofelia Grass	1375 FM 1389 N	Combine	TX	75159
44	Moises Abel & Martha Rojas	2822 McKinney Dr	Lancaster	TX	75134
45	Ophelia Johnson	515 N. Main St	Ferris	TX	75125
46	Lonnie R. & Evelyn M. Mitchell	PO Box 32	Ferris	TX	75125-0032
47	Morris G. Magness	107 Slate Rock Rd	Ennis	TX	75119-0748
48	ONCOR Electric Delivery c/o State & Local Tax Dept.	PO Box 139100	Dallas	TX	75313
49	Pinkie Yeldell	PO Box 150	Ferris	TX	75125-0150
50	Housing Authority of City of Ferris	PO Box 272	Ferris	TX	75125-0272
51	Israel & Arturo Delgadillo	800 Oak St	Ferris	TX	75125
52	Greater Lighthouse Church of God in Christ	707 N Wood St	Ferris	TX	75125-0305
53	Ruben Mendez & Olivia Garcia	607 N. Wood St	Ferris	TX	75125
54	Alfredo H. Morales	305 E. 7 th St	Ferris	TX	75125
55	Maria Lopez	307 Ave A	Ferris	TX	75125
56	Delorice Pates	3009 Sandra Ln	Rowlett	TX	75088-4913
57	Hilario Moreno	518 N. Wood St	Ferris	TX	75125
58	Martin & Maria Mendez	310 S Church St	Ferris	TX	75125-2536
59	Jason P. & Theresa M. Smithey	3161 FM 1446	Waxahachie	TX	75167
60	Jose Ozuna	307 W. First St	Ferris	TX	75125
61	Maria E. Ramirez	311 W. First St	Ferris	TX	75125
62	Marciano Romero et al	3770 FM 660	Ferris	TX	75125
63	Maria G Garcia	404 N Church St	Ferris	TX	75125-1615
64	Mario N. Rivas, Jr.	300 W. 1 st St	Ferris	TX	75125-1605
65	Sandra & Pete Aguinaga c/o Kay and Howard Wickliffe	301 W. 2 nd St	Ferris	TX	75125
66	Hermila & Nicolas Barajas	417 Sunflower St	Red Oak	TX	75154-1563
67	Daniel Hernandez	314 Mable St	Ferris	TX	75125
68	Manuel & Leticia Hernandez	406 N. Wood St	Ferris	TX	75125
69	Augustina C. Luna	405 N. Wood St	Ferris	TX	75125
70	Jamie Garcia Mendez	407 N. Wood St	Ferris	TX	75125
71	Manuel Saucedo	408 Ferris Ave	Ferris	TX	75125
72	Jose E & Matilda Cardenas	500 W 1st St.	Ferris	TX	75125

**Skyline Landfill
Land Owners List**
(From Appraisal District Records for Dallas and Ellis County - February 6, 2025)

73	Carmen Banks	PO Box 103	Ferris	TX	75125-0103
74	Isidro Moreno & Sebastian Moreno	512 W 1 st St	Ferris	TX	75125-0623
75	Magness Cabinet Shop	645 Slate Rock Rd	Ennis	TX	75119-0748
76	Ladd Vien	1015 Ferris Ave	Waxahachie	TX	75165-2588
77	True Vine Missionary Baptist Church	618 Meadow Ridge Dr	Ferris	TX	75125-1507
78	Marvin Joe Carey	517 W. First St	Ferris	TX	75125
79	Marvin Joe & Icyrene Carey	517 W. First St	Ferris	TX	75125
80	Alice Izora Hames	505 W. First St	Ferris	TX	75125
81	Henry Bruce	2863 Marjorie Ave	Dallas	TX	75216
82	Gloria R Carbajal	509 Pecan St	Ferris	TX	75125
83	Anna C Olvera	512 A D Mosley St	Ferris	TX	75125-1541
84	Agustin Guevara & Maria A Aguillon	518 A D Mosley St	Ferris	TX	75125-1541
85	Gerardo & Francisco Vasquez	524 A D Mosley St	Ferris	TX	75125
86	Miguel Paz	231 Dew Ewing Rd	Ferris	TX	75125
87	Mario N Rivas Jr	300 W 1st St	Ferris	TX	75125-1605
88	Paul W. Jones	515 N. Main St	Ferris	TX	75125
89	Bud Carter c/o David L. Carter	317 Leads St	Dallas	TX	75203-3144
90	Artiz L. & Monica Murray	4402 Lupine Ln	Forney	TX	75126-0899
91	Jose & Leticia Hernandez	648 Maple St	Ferris	TX	75125-1551
92	Greater Johnson Chapel AME Church	517 Front St	Ferris	TX	75125
93	Gregorio & Minerva Chavez	616 Neck Rd	Ferris	TX	75125-8872
94	Marsha K Armstrong	505 Ennis Scott St	Ferris	TX	75125
95	Victor M H Mendez	304 S Mable St	Ferris	TX	75125
96	Vence Hyder	512 Ferris Rd	Ferris	TX	75125-1102
97	Matilde E Rodriguez	4445 Highland St	Lancaster	TX	75134-1423
98	Macedonia Baptist Church	509 Ferris St	Ferris	TX	75125
99	Veronica Elena Salazar & Jose Reuben Ramirez Cruz	1005 Western Hills Dr	Ferris	TX	75125
100	Paulo M. Saenz & Maria R. Vasquez Hernandez	809 Pecan St	Ferris	TX	75125
101	Jose O Hernandez DBA JH Construction	3221 NE County Rd 0200	Powell	TX	75153
102	Benjamin R Pena	620 Geller Rd	Ferris	TX	75125
103	Fermin M Najera & Francis M Mendoza	821 Pecan St	Ferris	TX	75125-1125
104	Willie & Hubert Mozwe L/E, Ellen Mathis, Sherley Banks	829 Pecan St	Ferris	TX	75125-1125
105	Aritz Lee Murray, Jr. & Evelyn Faye Murray	829 Pecan St	Ferris	TX	75125-1125
106	Lawrence & Alice F. Wiley	824 Maple St	Ferris	TX	75125-1128
107	M & M Investments & Partners, Inc.	PO Box 643	Ferris	TX	75125
108	Hilda M. Hernandez	829 Maple St	Ferris	TX	75125-1127

**Skyline Landfill
Land Owners List
(From Appraisal District Records for Dallas and Ellis County - February 6, 2025)**

109	Nicolasa Maldonado	813 Maple St	Ferris	TX	75125-0428
110	Ellis County Trustee	PO Box 188	Waxahachie	TX	75168
111	Jose LG Bahena	1013 Western Hills Dr	Ferris	TX	75125
112	Peggy L. Jarvis	713 Mill Creek Rd	Lancaster	TX	75146-2836
113	George Brookins, Jr.	803 Maple St	Ferris	TX	75125-1127
114	Marian Hunter et al	8036 Olusta Dr	Dallas	TX	75217-6779
115	Jesus & Dora Y Castillo	4520 Ambassador Way	Balch Springs	TX	75180
116	Dorothy Brookins	803 N Maple St	Ferris	TX	75125-1127
117	Fulton Family Trust - Billy T Fulton Trustee	5006 FM 660	Ennis	TX	75119
118	Arturo Delgadillo	800 Oak St	Ferris	TX	75125-1100
119	Lourdes Aranjó	607 Ennis Scott St.	Ferris	TX	75125-0666
120	Michael Sims	616 Ferris Rd	Ferris	TX	75125-1104
121	Mt. Rose Primitive Baptist c/o Sharon Sims	PO Box 276	Ferris	TX	75125-1504
122	Opal M. Scott, et al c/o Mazrine Bowie	616 Ferris Rd	Ferris	TX	75125
123	Francine D rodriguez	600 Ennis Scott St	Ferris	TX	75125
124	Elmer J. & Wanda F. Holbert	604 Ash St	Ferris	TX	75125
125	Alton & Verda B. Pipkin	704 Ennis Scott St	Ferris	TX	75125-1553
126	Equity Trust Co FBO Stephen Mulvancy IRA	1221 N Oak Branch Rd	Waxahachie	TX	75167
127	Clint Rhodes	437 Whispering Willow Dr	Midlothian	TX	76065
128	God's Kingdom United Methodist Church c/o Patsy Richards	707 A D Mosley St	Ferris	TX	75125
129	Melissa Sargent	505 Meadowridge St	Ferris	TX	75125-1528
130	Catherine Berry	606 Front St	Ferris	TX	75125-1555
131	Billy Thompson	601 A D Mosley St	Ferris	TX	75125-1542
132	Robert Scott	603 W. First St	Ferris	TX	75125-1506
133	Carolina V. Alvarado	607 W. First St	Ferris	TX	75125
134	Maude Oliphant Estate	604 Short St	Ferris	TX	75125
135	Macedonia Church of God in Christ	610 A D Mosley St	Ferris	TX	75125-1543
136	Alfredo Ovalle	611 W. First St	Ferris	TX	75125-1506
137	Mable Murray Estate c/o Ruth Scott	603 W. First St	Ferris	TX	75125-1506
138	Pedro M Garcia	619 W First St	Ferris	TX	75125
139	Datrelle D. Black	708 A D Mosley St	Ferris	TX	75125
140	Patsy Richard et al	708 A D Mosley St	Ferris	TX	75125-1545
141	James Howard c/o D McKinney	2519 Club Terrace Dr	Dallas	TX	75237-2707
142	Aniceto Malpica	1237 FM 780	Ferris	TX	75125
143	West Fork Properties LLC	14902 Preston Rd #404501	Dallas	TX	75254-9105
144	Mary Patricia Hobbs	609 Ash St	Ferris	TX	75125-1514

**Skyline Landfill
Land Owners List**
(From Appraisal District Records for Dallas and Ellis County - February 6, 2025)

145	Earnie B & Sheryl D Scroggins	515 Lusino Ct	Grand Prairie	TX	75052
146	Efrain Franco & Maria Gomez	106 Hurst Cir	Ferris	TX	75125-9791
147	Ferris Memorial Parks, Inc.	PO Box 292	Ferris	TX	75125-0292
148	Ferris Memorial Park, Inc.	120 Magnolia St	Ferris	TX	75125-2309
149	Sandra Johnson	541 Ewing St	Ferris	TX	75125-1524
150	David Nino	533 Ewing St	Ferris	TX	75125
151	Juliet D. Rouwtt	529 Ewing St	Ferris	TX	75125-1524
152	Silvia Perez-Hernandez	525 Ewing St	Ferris	TX	75125-1524
153	Maricela S Hernandez & Claudia O Solis	521 N Ross	Mexia	TX	76667
154	Ruby Griggs	517 Ewing St	Ferris	TX	75125-1524
155	Carolyn Hollywood	513 Ewing St	Ferris	TX	75125-1524
156	Grand Homes Irrevocable Spendthrift Trust	PO Box 643	Ferris	TX	75125
157	Mack Troy Williams	505 Ewing St	Ferris	TX	75125-1524
158	Cherry J. McCray	501 Ewing St	Ferris	TX	75125-1524
159	Sherman B. & Nancy L. Swafford	432 Meadowgate Cir	Ferris	TX	75125-1402
160	Randall & Tiffany Rogers	1300 Bluff Springs	Ferris	TX	75125
161	Adam Arevalo	424 Meadowgate Cir	Ferris	TX	75125-1402
162	Troy L. Richardson	1742 Hunsucker Rd	Palmer	TX	75152
163	Jay Clews Jr	412 Meadowgate Cir	Ferris	TX	75125-1402
164	Samuel L. Green	408 Meadowgate Cir	Ferris	TX	75125-1402
165	Dewayne B. Casper	403 Meadowgate Cir	Ferris	TX	75125-1401
166	Jaime Garcia Mendez & Noelia Garcia	101 E 4th St	Ferris	TX	75125
167	Jose F Ortiz & reyna M Mendoza	833 Oak St	Ferris	TX	75125
168	Octavio & Blanca Mendez	415 Meadowgate Cir	Ferris	TX	75125-1401
169	Juanita Mercado	PO Box 123	Ferris	TX	75125-0123
170	Balbino F Alvarez	423 Meadowgate Cir	Ferris	TX	75125-1401
171	Christopher R. Carrillo Sr.	422 McDaniel Rd	Ferris	TX	75125
172	Vincente Tinoco	431 Meadow Gate Cir	Ferris	TX	75125
173	Javier Dyal	432 Yellow Jacket Dr	Ferris	TX	75125
174	Mathew A Duran	709 E 8th St	Ferris	TX	75125
175	Paul H. Coumpy	424 Yellow Jacket Dr	Ferris	TX	75125-1416
176	Geneva G Hooper	420 Yellow Jacket Dr	Ferris	TX	75125-1416
177	Patrick & Rebekah Johnson	5251 Maggie Ln	Midlothian	TX	76065
178	Yulanda Bell	1077 Western Hills Dr	Ferris	TX	75125
179	Raul Mendez	114 Zodiak St	Ferris	TX	75125
180	Robert Earl Davis, Jr.	404 Yellow Jacket Dr	Ferris	TX	75125-1416

**Skyline Landfill
Land Owners List**
(From Appraisal District Records for Dallas and Ellis County - February 6, 2025)

181	Bobby & Lois Johnson	1009 Western Hills Dr	Ferris	TX	75125-1411
182	Deborah A. Jarvis	1021 Western Hills Dr	Ferris	TX	75125-1411
183	Noe M. Hernandez	1025 Western Hills Dr	Ferris	TX	75125
184	Amy J Caldwell	1029 Western Hills Dr	Ferris	TX	75125
185	Gloria M. Coumpy	1037 Western Hills Dr	Ferris	TX	75125-1411
186	Rafael T. Villa & Nancy Trejo	1041 Western Hills Dr	Ferris	TX	75125
187	James & Monique Foster	1045 Western Hills Dr	Ferris	TX	75125-1411
188	Darlene Palmer	1049 Western Hills Dr	Ferris	TX	75125-1411
189	FKF Investment Group	PO Box 270067	Flower Mound	TX	75027
190	Kenny Caldwell & Ronny Caldwell c/o G. R. Caldwell	8542 FM 879	Palmer	TX	75152-9126
191	Julio & Celia D. Morales	1069 Western Hills Dr	Ferris	TX	75125-1411
192	Dennis E Robertson et al c/o Norris Elverton	1073 Western Hills Dr	Ferris	TX	75125-1411
193	Glenn A. Bailey	1081 Western Hills Dr	Ferris	TX	75125-1411
194	Michael Pace & Lesia Jackson	410 Rolling Hills Dr	Ferris	TX	75125-1406
195	Gilberto & Frances Gonzales	401 Rolling Hills Dr	Ferris	TX	75125-1405
196	Rene Lopez	510 E 5th St	Ferris	TX	75125
197	Marcus & Amelia Moreno	409 Rolling Hills Dr	Ferris	TX	75125-1405
198	Freddie Mae Kibble	908 Pecan St	Ferris	TX	75125
199	Abraham & Doris E Robles	512 Jennie Marie Cir	Ferris	TX	75125
200	HSM Shaw Creek Ranch II LLC	5151 Belt Line Rd Ste 900	Dallas	TX	75254
201	Mandalay Holdings, LLC	700 N. Pearl St Ste. G 208	Dallas	TX	75201
202	The Storage Place - Ferris LLC	5303 Lafayette Dr	Frisco	TX	75035
203	North TX District Council of The Assembly of God Church	PO Box 838	Waxahachie	TX	75168-0838
204	Osiel R Hernandez	516 Jennie Marie Cir	Ferris	TX	75125
205	Hector Rojas	2750 Nolan Rd	Lancaster	TX	75146
206	Blanca Borrego	1905 Christopher Dr	Fort Worth	TX	76140
207	Arcadio Mendez	404 E 8 th St	Ferris	TX	75125-2708
208	KCT Holdings LLC	104 E Ovilla Rd #507	Red Oak	TX	75154
209	Rubisela Chavez-Garcia	516 W 1st St	Ferris	TX	75125
210	J. Cruz & Raquel Garcia	711 Ferris Rd	Ferris	TX	75125-1105
211	Erik J Rivas	101 Mars Rd	Wilmer	TX	75172
212	Erica C. Avila	1229 Powell Rd	Mesquite	TX	75149
213	Newell Properties LLC	415 Ewing Blvd	Ferris	TX	75125
214	Sharon M Scott	28201 NE 9th St	Camas	WA	98607
215	Jess Ochoa	1233 Meadow Creek Dr	Lancaster	TX	75146
216	Hermanos RMZ Construction LLC	347 Royal Ave	Duncanville	TX	75137

**Skyline Landfill
Land Owners List**
(From Appraisal District Records for Dallas and Ellis County - February 6, 2025)

217	Delphine Pringle	1302 S Cardinal St Apt B	Ennis	TX	75119-2001
218	Adriana Solis	700 Ferris Rd	Ferris	TX	75125
219	Gehu & Teresa Gonzalez	989 Bluffsprings	Ferris	TX	75125
220	Ferris Western Hills LLC	620 Rowlett Rd	Omaha	NE	68104-1129
221	Margena Green & Jazmine Wade	8338 Iris St	Oakland	CA	94605-3464
222	Steve Christian	134 Youngblood Rd	Waxahachie	TX	75165
223	Jose P Flores	1001 Western Hills Dr	Ferris	TX	75125
224	Latisha Turner	600 A D Mosley St	Ferris	TX	75125
225	Arcadic & Victor Mendez	826 Ash St	Ferris	TX	75125
226	Elizabeth Moya	710 Genoa Ave	Waxahachie	TX	75216
227	Amber N & Uriel Garcia	812 Ash St	Ferris	TX	75125
228	Willie L McClain	715 Ferris Rd	Ferris	TX	75125
229	Delphine P Foster	412 Summertree Dr	Hutchins	TX	75141
230	Leydi E Solorio	2510 N Hwy 175 Trlr 713	Seagoville	TX	75159
231	Gloria Leon	11040 Delford Cir	Dallas	TX	75228
232	Jaimie Castro-Gonzalez	119 Odell St	Hutchins	TX	75141
233	Jose C Gallegos	1440 Johns Ave	Lancaster	TX	75134
234	Bridge Homes LLC	1001 Dalworth Dr	Mesquite	TX	75149
235	Marisol C Salazar	1542 Cherry St	Noblesville	IN	46060
236	Escalante Granite Inc	224 Nocone Dr	Waxahachie	TX	75165
237	Yilda Garibay & Anthony Kroeung	514 W 1st St	Ferris	TX	75125
238	Pedro & Laura C Moreno	1528 FM 664	Ferris	TX	75125-8425
239	Roy Romo	1017 Western Hills Dr	Ferris	TX	75125
240	Cynthia L & Christopher J Gutierrez	1061 Western Hills Dr	Ferris	TX	75125
241	Yesica Ruiz & Omar Hernandez	1065 Western Hills Dr	Ferris	TX	75125
242	Evander & Elsis Flores	406 Rolling Hills Dr	Ferris	TX	75125
243	Jorge A Castillo Cruz	408 Rolling Hills Dr	Ferris	TX	75125
244	Pace Custom Homes 1 Inc	1001 Brigham Dr	Ferris	TX	75125
245	Jose M Vargas	1098 Western Hills Dr	Ferris	TX	75125
246	Nina Holland-Johnson & Kennard Johnson	1096 Western Hills Dr	Ferris	TX	75125
247	Leslie E Boyanoski	1094 Western Hills Dr	Ferris	TX	75125
248	Calixto O & Luz M Rodriguez	1092 Western Hills Dr	Ferris	TX	75125
249	Taylor Fuentes & Oscar Villafranca Jr	1090 Western Hills Dr	Ferris	TX	75125
250	Kenneth Witherspoon	434 Rolling Hills Dr.	Ferris	TX	75125
251	NF Dallas LLC	5005 Riverway Dr	Houston	TX	77056-2131
252	Trinity Valley Reclamation Inc.	PO Box 400	Ferris	TX	75125-0400
253	Richard Moreno	210 N Mable St	Ferris	TX	75125-0617
254	Jeremy Masterson	132 Stainback Ct	Red Oak	TX	75154-3012
255	Dennis E & Tracy D Curtis	2618 Sleepy Hollow Dr	Lancaster	TX	75146-5900

ATTACHMENT 2

MARKED (REDLINE/STRIKEOUT) PAGES

**SKYLINE LANDFILL
CITY OF FERRIS
DALLAS AND ELLIS COUNTIES, TEXAS
TCEQ PERMIT APPLICATION NO. MSW 42D**

PERMIT MODIFICATION

**PART III – FACILITY INVESTIGATION AND DESIGN
ATTACHMENT F
GROUNDWATER MONITORING PLAN**

Prepared for

Waste Management of Texas, Inc.

Technically Complete April 2, 2015

Revised February 2016

Revised May 2016

Revised June 2018

Revised December 2019

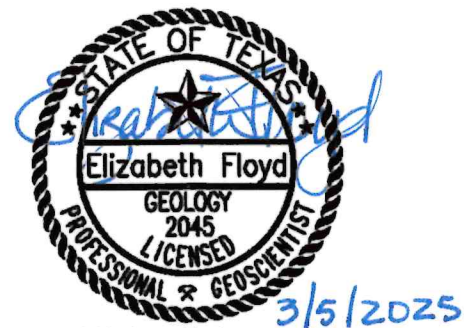
Revised January 2020

Revised April 2020

Revised April 2021

Revised February 2022

Revised March 2025

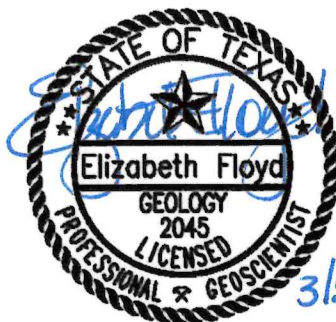


Biggs & Mathews Environmental, Inc.
Firm Registration No. 50222

Prepared by



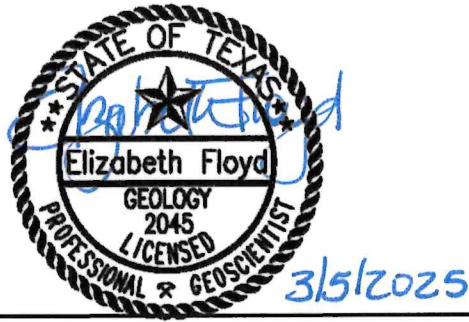
BIGGS & MATHEWS ENVIRONMENTAL, INC
TBPELS No. F-256 TBPELS No. 10194895 TBPG No. 50222



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Biggs & Mathews Environmental, Inc.
Firm Registration No. 50222

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Biggs & Mathews Environmental, Inc.
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APPENDIX F2

Groundwater Sampling and Analysis Plan
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GROUNDWATER MONITORING SYSTEM DESIGN CERTIFICATION

General Site Information

Site: Skyline Landfill

Site Location: City of Ferris, Dallas and Ellis Counties, Texas

MSW Permit Application No.: 42D

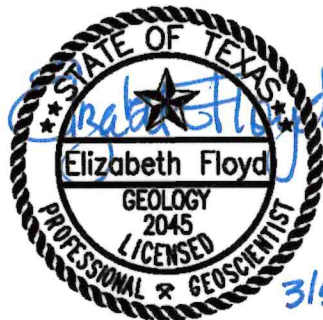
Qualified Groundwater Scientist Statement

I, Elizabeth Floyd, am a licensed professional geoscientist in the State of Texas and a qualified groundwater scientist as defined in §330.3. I have reviewed the groundwater monitoring system and supporting data contained herein. In my professional opinion, the groundwater monitoring system is in compliance with the groundwater monitoring requirements specified in 30 TAC §330.401 through §330.421. This system has been designed for specific application to the Skyline Landfill (Permit Application No. MSW 42D). The only warranty made by me in connection with this document is that I have used that degree of care and skill ordinarily exercised under similar conditions by reputable members of my profession, practicing in the same or similar locality. No other warranty, expressed or implied, is intended.

Firm/Address: Biggs and Mathews Environmental, Inc.
1700 Robert Road, Suite 100
Mansfield, Texas 76063

Signature:

Date:



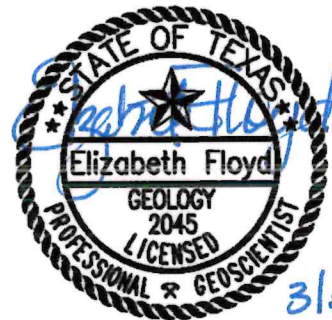
3/5/2025

Biggs & Mathews Environmental, Inc.
Firm Registration No. 50222

SKYLINE LANDFILL

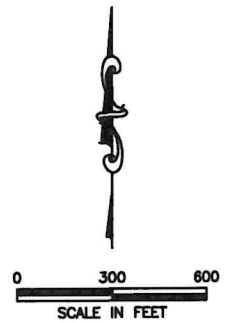
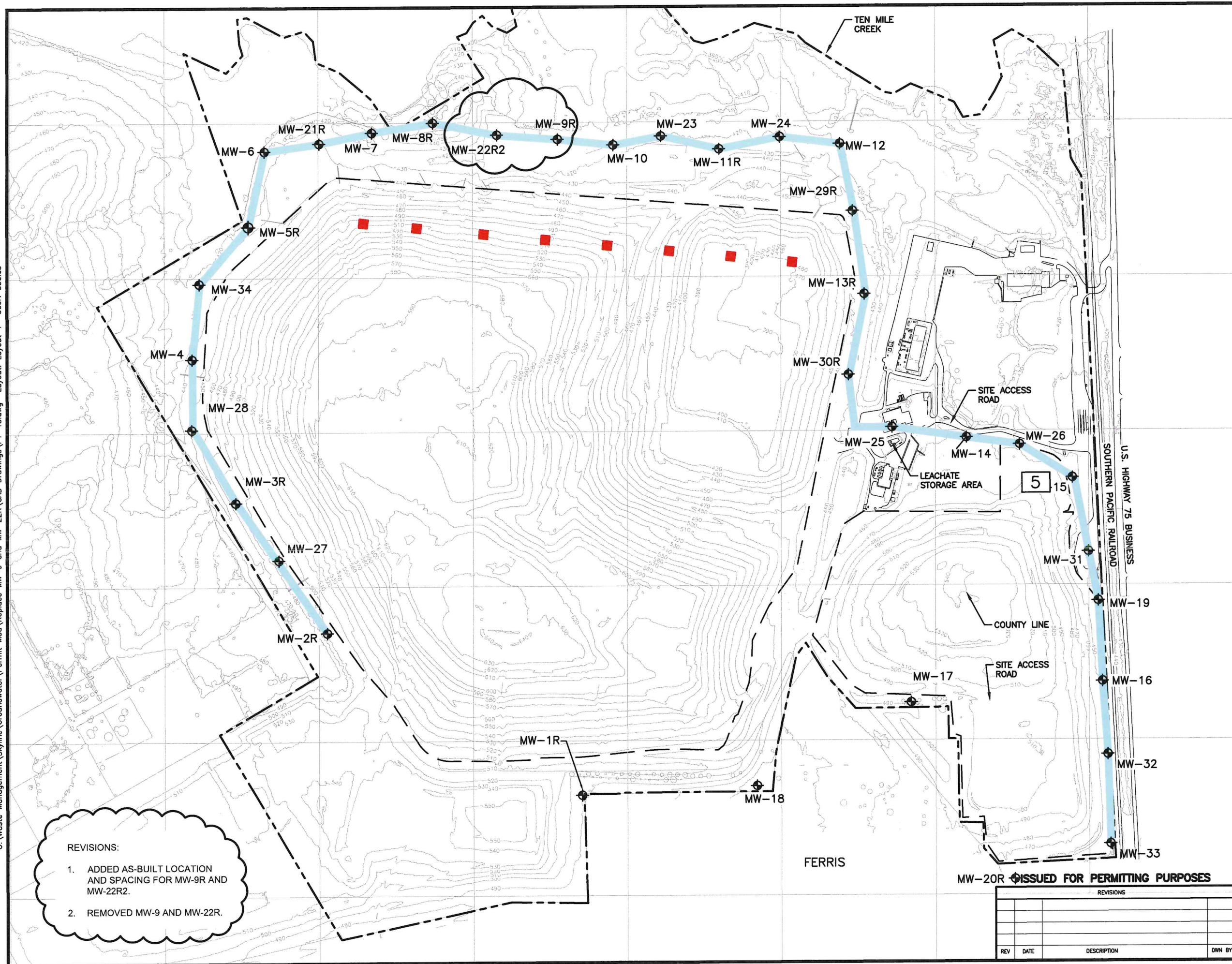
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Biggs & Mathews Environmental, Inc.
Firm Registration No. 50222

O:\Waste Management\Skylines\Groundwater\Permit Mod\Replace MW-9 and MW-22R\CAD Drawings\F1-1s.dwg Layout: Layout 1 User: bboles

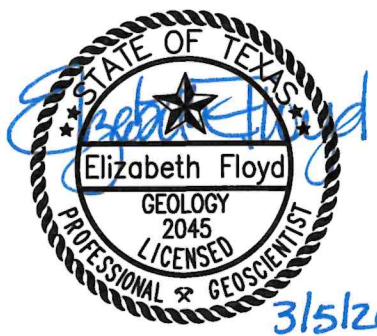


LEGEND

- PERMIT BOUNDARY
- LANDFILL FOOTPRINT
- 450 EXISTING 10' GROUND CONTOUR
- ◆ MW-5 EXISTING MONITORING WELL
- APPROXIMATE SUMP LOCATION
- ▨ PRE-SUBTITLE D AREA WITH FINAL COVER
- POINT OF COMPLIANCE
- 5 PHASE DESIGNATION

NOTES:

- EXISTING CONTOURS COMPILED BY AIR SURVEY FROM DALLAS AERIAL SURVEY DATED MARCH 04, 2024. COORDINATE SYSTEM IS BASED ON TEXAS STATE PLANE NAD 27, TEXAS NORTH CENTRAL ZONE.



EXISTING
GROUNDWATER MONITORING SYSTEM
WASTE MANAGEMENT OF TEXAS, INC.
SKYLINE LANDFILL
PERMIT MODIFICATION

BME BIGGS & MATHEWS
ENVIRONMENTAL
1700 ROBERT ROAD, STE. 100
MANSFIELD, TEXAS 76063
817-563-1144

TBPCLS FIRM NO. F-256 AND NO. 10194895
TBPCLS FIRM NO. 50222

DRAWING
F1-1

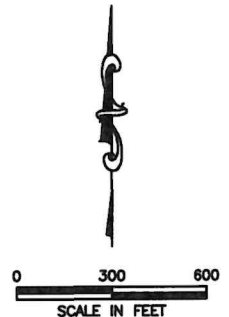
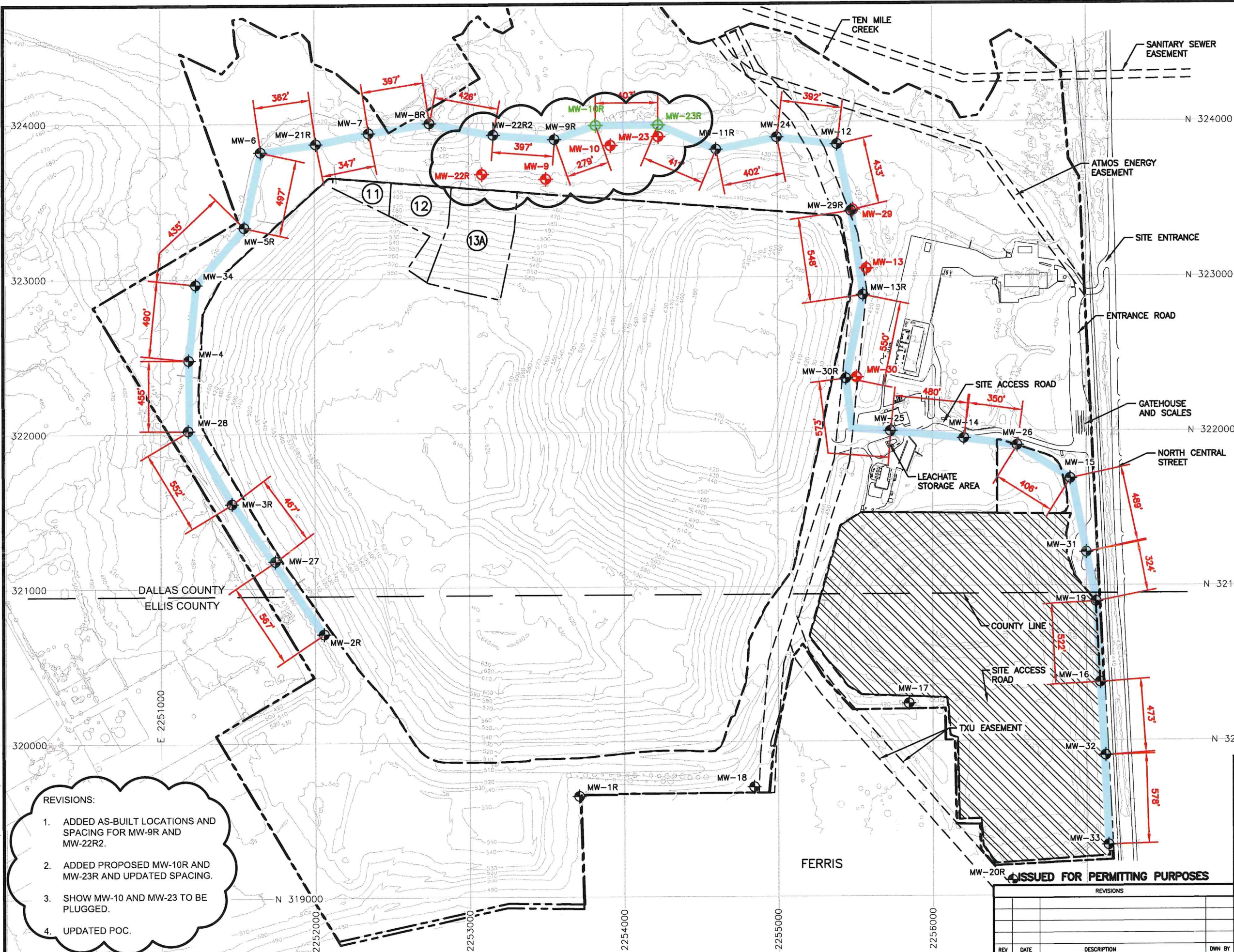
REVISIONS:

- ADDED AS-BUILT LOCATION AND SPACING FOR MW-9R AND MW-22R2.
- REMOVED MW-9 AND MW-22R.

MW-20R ISSUED FOR PERMITTING PURPOSES

REVISIONS			
REV	DATE	DESCRIPTION	DWN BY

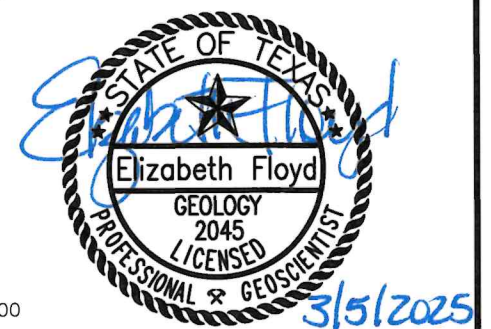
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- LEGEND**
- PERMIT BOUNDARY
 - LANDFILL FOOTPRINT
 - CELL BOUNDARY
 - 410 EXISTING 10' GROUND CONTOUR
 - MW-10 MONITORING WELL
 - MW-5 MONITORING WELL TO BE PLUGGED
 - MW-5R PROPOSED MONITORING WELL
 - POINT OF COMPLIANCE (POC)
 - ▨ PRE-SUBTITLE D AREA WITH FINAL COVER
 - 13A CELL DESIGNATION

NOTE:

1. EXISTING CONTOURS COMPILED BY AIR SURVEY FROM DALLAS AERIAL SURVEY DATED MARCH 04, 2024. COORDINATE SYSTEM IS BASED ON TEXAS STATE PLANE NAD 27, TEXAS NORTH CENTRAL ZONE.



- REVISIONS:**
1. ADDED AS-BUILT LOCATIONS AND SPACING FOR MW-9R AND MW-22R2.
 2. ADDED PROPOSED MW-10R AND MW-23R AND UPDATED SPACING.
 3. SHOW MW-10 AND MW-23 TO BE PLUGGED.
 4. UPDATED POC.

PROPOSED CHANGES TO GROUNDWATER MONITORING SYSTEM

WASTE MANAGEMENT OF TEXAS, INC.
SKYLINE LANDFILL
PERMIT MODIFICATION

BME **BIGGS & MATHEWS ENVIRONMENTAL**
1700 ROBERT ROAD, STE. 100
MANSFIELD, TEXAS 76063
817-563-1144

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F1-2

ATTACHMENT 3

UNMARKED REVISED PAGES

**SKYLINE LANDFILL
CITY OF FERRIS
DALLAS AND ELLIS COUNTIES, TEXAS
TCEQ PERMIT APPLICATION NO. MSW 42D**

PERMIT MODIFICATION

**PART III – FACILITY INVESTIGATION AND DESIGN
ATTACHMENT F
GROUNDWATER MONITORING PLAN**

Prepared for

Waste Management of Texas, Inc.

Technically Complete April 2, 2015

Revised February 2016

Revised May 2016

Revised June 2018

Revised December 2019

Revised January 2020

Revised April 2020

Revised April 2021

Revised February 2022

Revised March 2025

Prepared by

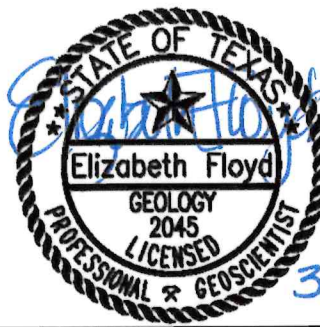


BIGGS & MATHEWS ENVIRONMENTAL, INC
TBPELS No. F-256 TBPELS No. 10194895 TBPB No. 50222



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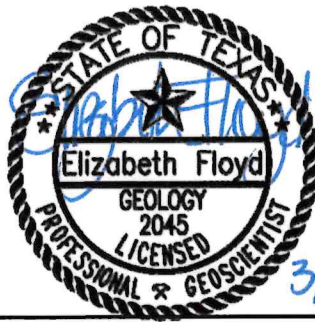
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APPENDIX F2

Groundwater Sampling and Analysis Plan
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GROUNDWATER MONITORING SYSTEM DESIGN CERTIFICATION

General Site Information

Site: Skyline Landfill

Site Location: City of Ferris, Dallas and Ellis Counties, Texas

MSW Permit Application No.: 42D

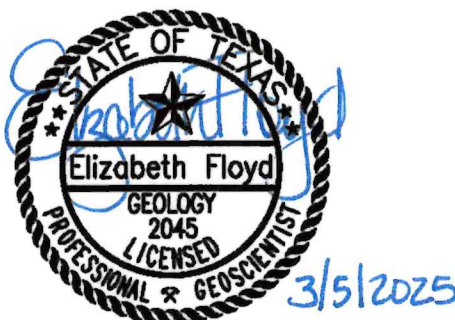
Qualified Groundwater Scientist Statement

I, Elizabeth Floyd, am a licensed professional geoscientist in the State of Texas and a qualified groundwater scientist as defined in §330.3. I have reviewed the groundwater monitoring system and supporting data contained herein. In my professional opinion, the groundwater monitoring system is in compliance with the groundwater monitoring requirements specified in 30 TAC §330.401 through §330.421. This system has been designed for specific application to the Skyline Landfill (Permit Application No. MSW 42D). The only warranty made by me in connection with this document is that I have used that degree of care and skill ordinarily exercised under similar conditions by reputable members of my profession, practicing in the same or similar locality. No other warranty, expressed or implied, is intended.

Firm/Address: Biggs and Mathews Environmental, Inc.
1700 Robert Road, Suite 100
Mansfield, Texas 76063

Signature:

Date:

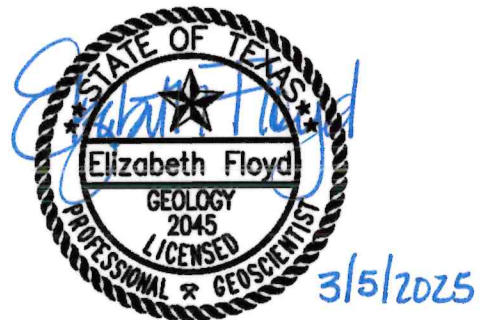


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SKYLINE LANDFILL

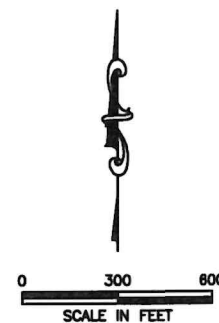
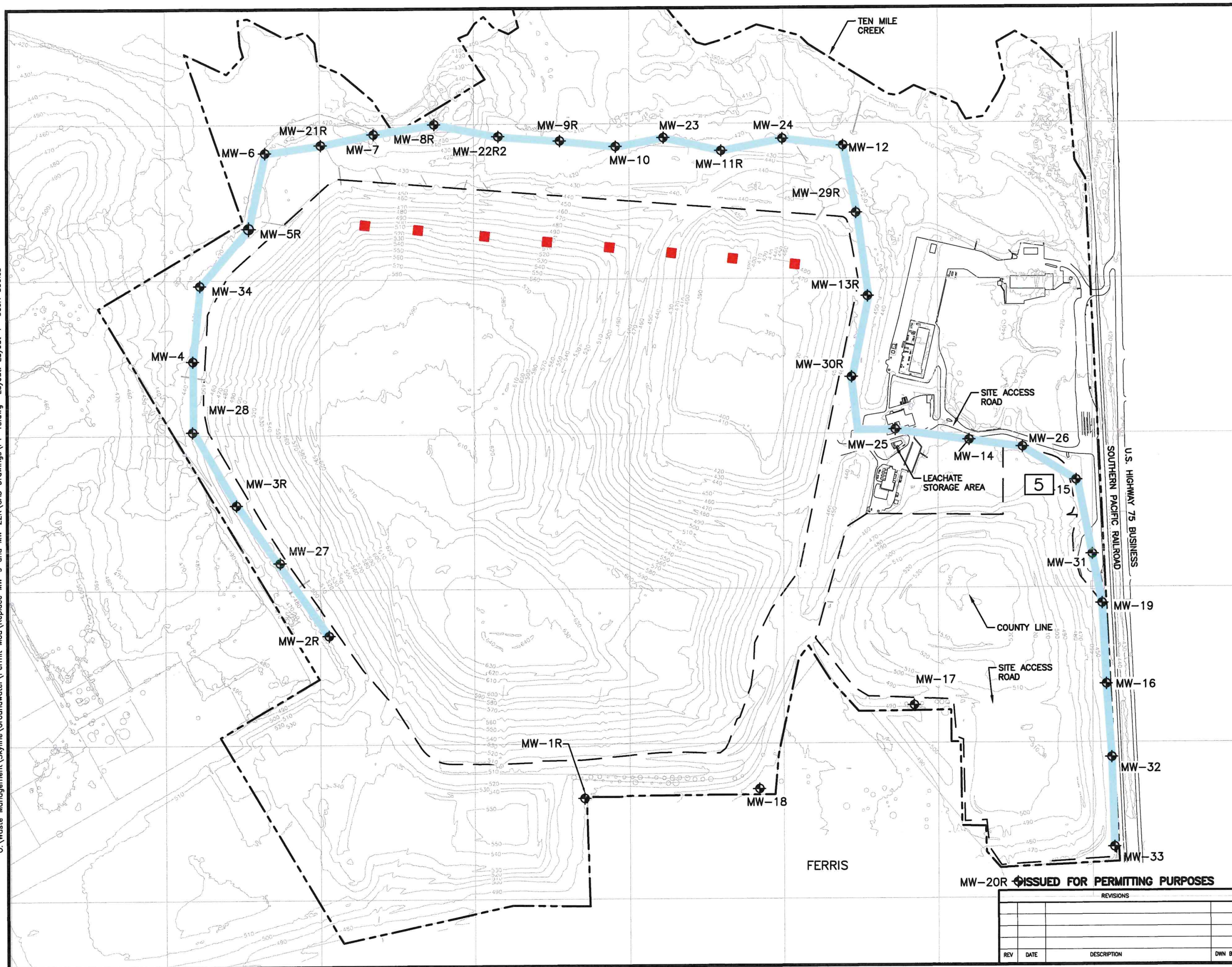
APPENDIX F1

Existing Groundwater Monitoring System	F1-1
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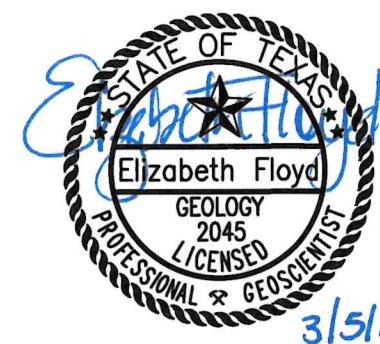


LEGEND

- PERMIT BOUNDARY
- ... LANDFILL FOOTPRINT
- 450 EXISTING 10' GROUND CONTOUR
- ◆ MW-5 EXISTING MONITORING WELL
- APPROXIMATE SUMP LOCATION
- ▨ PRE-SUBTITLE D AREA WITH FINAL COVER
- POINT OF COMPLIANCE
- 5 PHASE DESIGNATION

NOTES:

- EXISTING CONTOURS COMPILED BY AIR SURVEY FROM DALLAS AERIAL SURVEY DATED MARCH 04, 2024. COORDINATE SYSTEM IS BASED ON TEXAS STATE PLANE NAD 27, TEXAS NORTH CENTRAL ZONE.



EXISTING
GROUNDWATER MONITORING SYSTEM
WASTE MANAGEMENT OF TEXAS, INC.
SKYLINE LANDFILL
PERMIT MODIFICATION

BME

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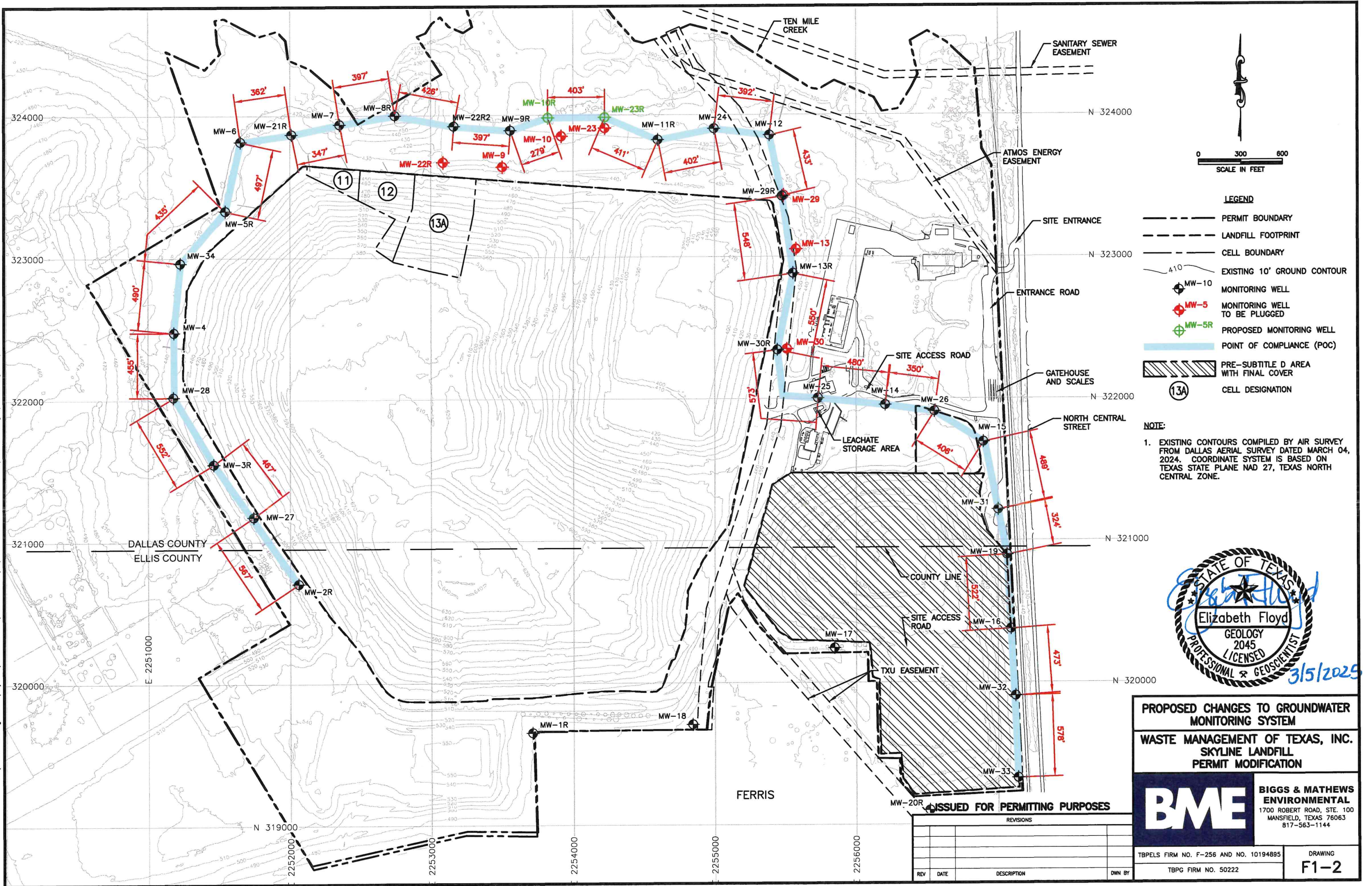
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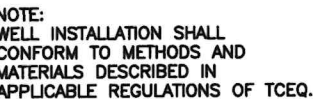
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NOT TO SCALE

Monitoring Well No.	Northing	Easting	Ground Elevation (ft msl)	Total Depth (ft bgs)	Top of Casing Elevation (ft msl)	Screened Interval (ft msl)		Filter Pack Interval (ft msl)	
						From	To	From	To
MW-1R	349646.70	2253711.21	488.99	64.00	491.65	446.49	426.49	448.49	424.00
MW-2R*	320701.90	2252061.00	502.89	85.85	505.56	439.04	418.04	442.04	417.00
MW-3R*	321546.90	2251467.00	483.67	73.04	485.97	432.63	411.63	435.63	410.00
MW-4*	322475.60	2251185.90	441.10	32.28	443.60	426.82	408.82	428.82	408.00
MW-5R	323329.18	2251549.38	421.56	20.50	423.56	414.56	401.56	413.56	401.00
MW-6	323815.30	2251654.40	416.81	25.00	419.96	409.81	391.81	411.81	391.00
MW-7	323936.10	2252352.70	429.73	25.00	432.67	422.73	404.73	424.73	404.00
MW-8R	323997.60	2252745.00	455.43	12.50	457.56	449.43	444.43	451.43	442.00
MW-9R**	323889.59	2253559.84	412.40	44.00	416.16	378.40	368.40	380.40	368.00
MW-10	323852.50	2253920.30	415.30	49.00	417.53	389.30	366.30	391.80	366.00
MW-11R	323823.30	2254605.00	423.37	29.50	426.10	405.37	395.37	408.37	493.00
MW-12	323852.60	2255390.20	417.83	22.00	420.95	410.83	395.83	412.83	395.00
MW-13R	322884.31	2255584.16	454.91	45.50	457.07	421.42	411.42	423.42	409.00
MW-14	321954.20	2256209.40	463.51	32.50	466.71	453.51	431.01	455.51	431.00
MW-15	322475.60	2256900.30	448.66	25.50	452.20	440.66	423.16	442.66	423.00
MW-16	320374.90	2257092.90	446.36	24.50	449.56	439.36	421.86	441.36	421.00
MW-17	320243.50	2255846.00	489.85	57.50	492.75	454.85	432.35	456.85	432.00
MW-18	319705.90	2254847.40	467.00	47.50	470.20	442.00	419.50	444.00	419.00
MW-19	320896.00	2257066.40	441.25	31.00	444.45	432.75	410.25	434.25	410.00
MW-20R	319111.60	2256521.80	464.63	35.50	468.03	450.13	430.13	452.63	429.00
MW-21R*	323866.50	2252014.40	429.10	27.45	431.94	406.65	401.65	408.65	401.00
MW-22R2	323919.19	2253165.15	413.58	19.00	416.30	399.58	394.58	401.58	394.00
MW-23	323908.20	2254227.10	416.73	35.00	419.46	394.73	381.73	396.73	381.00
MW-24	323900.60	2255000.00	421.58	20.00	424.62	409.58	401.58	412.58	401.00
MW-25	322003.60	2255731.50	459.53	35.00	462.33	437.53	424.53	439.53	424.00
MW-26	321823.30	2256554.50	448.09	20.00	451.06	436.09	428.09	438.09	428.00
MW-27*	321173.14	2251746.22	489.13	45.88	492.04	454.25	444.25	456.25	443.00
MW-28*	322020.21	2251182.57	453.16	19.28	456.53	438.88	433.88	440.88	433.00
MW-29R	323421.45	2255473.05	439.60	22.00	442.23	423.60	418.60	425.60	417.00
MW-30R	322363.41	2259444.82	456.76	39.00	459.42	423.76	418.76	425.76	417.00
MW-31	321214.41	2257003.96	438.23	10.50	440.81	433.73	428.73	434.73	428.00
MW-32	319903.21	2257126.36	449.45	17.50	451.41	437.95	432.95	439.95	432.00
MW-33	319325.45	2257144.02	450.15	18.00	452.75	438.15	433.15	440.15	433

1. ALL INFORMATION SHOWN IN THIS TABLE IS APPROXIMATE AND BASED ON CURRENTLY AVAILABLE INFORMATION.
* SEE FIGURE F1-3a FOR TYPICAL WELL DETAIL.
** SEE FIGURE F1-3b FOR SURFACE COMPLETION.

NOTES:

1. THE MONITORING WELLS SHALL BE DRILLED BY A TEXAS-LICENSED DRILLER WHO IS QUALIFIED TO DRILL AND INSTALL MONITORING WELLS.
 2. THE WELL SHALL BE DRILLED BY A METHOD WHICH WILL ALLOW INSTALLATION OF THE CASING, SCREEN, ETC., AND THAT WILL NOT INTRODUCE CONTAMINANTS INTO THE BOREHOLE OR CASING. IF ANY FLUIDS ARE NECESSARY IN DRILLING OR INSTALLATION, THEN CLEAN, TREATED CITY WATER SHALL BE USED; OTHER FLUIDS MUST BE APPROVED IN WRITING.
 3. DURING DRILLING OF THE MONITORING WELL, A LOG OF THE BORING SHALL BE MADE BY A QUALIFIED GEOLOGIST OR ENGINEER WHO IS FAMILIAR WITH THE GEOLOGY OF THE AREA.
 4. THE WELL CASING SHALL BE NSF-CERTIFIED PVC SCHEDULE 40 OR 80 PIPE. FLUSH-THREAD, SCREW JOINT (NO GLUE OR SOLVENTS); POLYTETRAFLUORETHYLENE (PTFE, SUCH AS TEFLON) TAPE OR O-RINGS IN THE JOINTS; NO COLLAR COUPLINGS. THE CASING SHALL BE CLEANED AND PACKAGED AT THE PLACE OF MANUFACTURE; THE PACKAGING SHALL INCLUDE A PVC WRAPPING ON EACH SECTION OF CASING TO KEEP IT FROM BEING CONTAMINATED PRIOR TO INSTALLATION. THE CASING SHALL BE FREE OF INK, LABELS, OR OTHER MARKINGS. MANUFACTURE: THE PACKAGING SHALL INCLUDE A PVC WRAPPING ON EACH.
 5. THE SCREEN SHALL BE COMPATIBLE WITH THE CASING AND SHOULD GENERALLY BE OF THE SAME MATERIAL. THE SCREEN SHALL NOT INVOLVE THE USE OF ANY GLUES OR SOLVENTS FOR CONSTRUCTION. FIELD-CUTS SLOTS ARE NOT PERMITTED FOR WELL SCREEN. FILTER CLOTH SHALL NOT BE USED. SCREEN STERILIZATION METHODS ARE THE SAME AS THOSE FOR CASING. SELECTION OF THE SIZE OF THE SCREEN OPENING SHOULD BE DONE BY A PERSON EXPERIENCED WITH SUCH WORK.
 6. THE FILTER PACK, PLACED BETWEEN THE SCREEN AND THE WELL BORE, SHALL CONSIST OF PRE-PACKAGED, INERT, CLEAN SILICA SAND OR GLASS BEADS. THE FILTER PACK SHOULD BE PLACED WITH A TREMIE PIPE TO ENSURE THAT THE MATERIAL COMPLETELY SURROUNDS THE SCREEN AND CASING WITHOUT BRIDGING. THE TREMIE PIPE SHALL BE STEAM CLEANED PRIOR TO THE FIRST WELL AND BEFORE EACH SUBSEQUENT WELL.
 7. THE ANNULAR SEAL SHALL BE PLACED ON TOP OF THE FILTER PACK. THE SEAL SHOULD BE COMPOSED OF, IN ORDER OF PREFERENCE, COARSE-GRAIN SODIUM BENTONITE, COARSE-GRIT SODIUM BENTONITE, OR BENTONITE GROUT. SPECIAL CARE SHOULD BE TAKEN TO ENSURE THAT FINE MATERIAL OR GROUT DOES NOT PLUG THE UNDERLYING FILTER PACK. THE SEAL SHOULD BE PLACED ON TOP OF THE FILTER PACK WITH A STEAM-CLEANED TREMIE PIPE TO ENSURE GOOD DISTRIBUTION AND SHOULD BE TAMPED WITH A STEAM-CLEANED ROD TO DETERMINE THAT THE SEAL IS THICK ENOUGH. THE BENTONITE SHALL BE HYDRATED WITH CLEAN WATER PRIOR TO ANY FURTHER ACTIVITIES ON THE WELL AND LEFT TO STAND UNTIL HYDRATION IS COMPLETE (EIGHT TO 12 HOURS, DEPENDING ON THE GRAIN SIZE OF THE BENTONITE). IF A BENTONITE-GROUT (WITHOUT CEMENT) CASING SEAL IS USED IN THE WELL BORE, THEN IT MAY REPLACE THE ANNULAR SEAL DESCRIBED ABOVE.
 8. A CASING SEAL SHALL BE PLACED ON TOP OF THE ANNULAR SEAL TO PREVENT FLUIDS AND CONTAMINANTS FROM ENTERING THE BOREHOLE FROM THE SURFACE. THE CASING SEAL SHALL CONSIST OF A COMMERCIAL BENTONITE GROUT OR A CEMENT-BENTONITE MIXTURE.
 9. CONCRETE PAD. HIGH-QUALITY STRUCTURAL-TYPE CONCRETE SHALL BE PLACED FROM THE TOP OF THE CASING SEAL (TWO TO FIVE FEET BELOW THE SURFACE) CONTINUOUSLY TO THE TOP OF THE GROUND TO FORM A PAD AT THE SURFACE. THIS FORMED SURFACE PAD SHALL BE AT LEAST SIX INCHES THICK. THE TOP OF THE PAD SHALL SLOPE AWAY FROM THE WELL BORE TO THE EDGES TO PREVENT PONDING OF WATER AROUND THE CASING OR COLLAR.
 10. A STEEL PROTECTIVE PIPE COLLAR SHALL BE PLACED AROUND THE CASING "STICKUP" TO PROTECT IT FROM DAMAGE AND UNWANTED ENTRY. THE TOP OF THE COLLAR SHALL HAVE A LOCKABLE HINGED TOP FLAP OR COVER. A STURDY LOCK SHALL BE INSTALLED, MAINTAINED IN WORKING ORDER, AND KEPT LOCKED WHEN THE WELL IS NOT BEING BAILED/PURGED OR SAMPLED. THE WELL NUMBER OR OTHER DESIGNATION SHALL BE MARKED PERMANENTLY ON THE PROTECTIVE STEEL COLLAR.
 11. SEDIMENT TRAP LESS THAN 2 FT AT MW-1R, MW-2R, MW-3R, MW-8R, MW-11R, MW-13R, MW-20R, MW-21R, MW-22R, MW-27R, MW-28R, MW-29R, MW-30R, MW-31, MW-32, MW-33, AND MW-34.



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REVISIONS							
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