RABA KISTNER
19111 North Dallas Parkway
Dallas, TX 75287
www.rkci.com

P 972.385.8069
F 972.385.8165
TBPE Firm F-3257

Project No. AHF2300405
July 29, 2024

Municipal Solid Waste Permits Section (MC-124)
Waste Permits Division
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, TX 78711-3087

RE: K2 Waste Solutions, LLC – a subsidiary of Frontier Waste Solutions
10177 FM 1960
Dayton, Texas 77535-6094

To Whom It May Concern:

On behalf of Frontier Waste Solutions (Frontier), Raba Kistner, Inc. (**RKI**), has enclosed a request for a Major Amendment of Municipal Solid Waste Permit No. 2394 in accordance with Title 30 of the Texas Administrative Code, Chapter 305.62, relating to Amendments of Consolidated Permits. Please find all necessary documentation enclosed for consideration of the Texas Commission on Environmental Quality (TCEQ). Copies have been submitted to both the Municipal Solid Waste Permits Section and the Regional Office.

RKI appreciates your assistance with the review and processing of this application. Please contact us at (972) 385-8069 should you have questions regarding this permit modification request.

Very truly yours,

RABA KISTNER INC.

Dante Fekete
Project Manager – Compliance Planning

Amelia Hudson
Assistant Director – Compliance Planning

DF/AH

APPLICATION FOR MAJOR PERMIT AMENDMENT
PART I

K2 WASTE SOLUTIONS, LLC WASTE TRANSFER STATION
***A SUBSIDIARY OF FRONTIER WASTE SOLUTIONS* MSW**
PERMIT No. 2394A

SUBMITTED TO:
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. BOX 13087
AUSTIN, TEXAS 78711-3087

PREPARED BY:

RABA KISTNER, INC.
19111 NORTH DALLAS PARKWAY, SUITE 310
DALLAS, TX 75287

September 9, 2024

RKI PROJECT NO. AHF2300405

INITIAL SUBMISSION: JULY 2024
REV. SEPT. 2024

TABLE OF CONTENTS

PROFESSIONAL ENGINEER (P.E.) CERTIFICATION:

P.E. Registration Number
Texas No. 126292

SIGNATURE: H M Barrett

NAME: Howard M. Barrett, PE

COMPANY: Raba Kistner, Inc.

TITLE: Vice President / Principal Engineer,

PE DATE: September 9, 2024

1 INTRODUCTION AND PURPOSE

K2 Waste Solutions, LLC a wholly owned subsidiary of Frontier Waste Solutions (Frontier) is the co-permittee and operator of the K2 Waste Solutions, LLC Waste Transfer Station (RN109452870), located in Liberty County at 10177 Farm-to-Market Road (FM) 1960 in Dayton, Texas.

This regulated facility is currently authorized under TCEQ Municipal Solid Waste (MSW) Permit No. 2394 to store, process, and transfer waste as a Type V Municipal Solid Waste Transfer Station. MSW Permit No. 2394 was most recently issued to K2 Waste Solutions, LLC (CN604942383) and K2 Waste Solutions Real Estate Holdings, LLC (CN605248467) on June 13, 2018.

In the years following permit issuance, Frontier has purchased property adjacent to the planned facility and proposes increases to both the site acreage and permitted process volume. These changes constitute a major amendment as defined by 30 Texas Administrative Code, Chapter 330.62(c)(1) and require the submittal of the forms and figures contained herein.

The $2050.00 application fee has been paid via TCEQ's ePay portal. Proof of payment and confirmation of receipt can be found in Section 9 of this application packet. At the time of submittal, there were no outstanding or delinquent fees owed to TCEQ which would prevent application processing.

2 TCEQ CORE DATA FORMS, TCEQ-10400

TCEQ Use Only
07/29/2024

TCEQ Core Data Form

For detailed instructions on completing this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission (*If other is checked please describe in space provided.*)

☐ New Permit, Registration or Authorization (*Core Data Form should be submitted with the program application.*)

☐ Renewal *(Core Data Form should be submitted with the renewal form)*

☒ Other **Permit Amendment application**

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number *(if issued)*
CN 605248467		RN 109452870

SECTION II: Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy)

☐ New Customer ☐ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).

6. Customer Legal Name *(If an individual, print last name first: eg: Doe, John)* — *If new Customer, enter previous Customer below:*

K2 WASTE SOLUTIONS REAL ESTATE HOLDINGS LLC

7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number *(if applicable)*
802262032		474007871	

11. Type of Customer: ☒ Corporation ☐ Individual Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other:

12. Number of Employees
☒ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher

13. Independently Owned and Operated?
☐ **Yes** ☒ **No**

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*

☐ Owner ☐ Operator ☒ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant ☐ Other:

15. Mailing Address:	10185 FM 1960						
	City	DAYTON	State	TX	ZIP	77535	ZIP + 4

16. Country Mailing Information *(if outside USA)*	17. E-Mail Address *(if applicable)*
	[redacted]

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*

(361) 945-1485		( ) -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity" is selected, a new permit application is also required.)*

☐ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).

22. Regulated Entity Name *(Enter name of the site where the regulated action is taking place.)*

K2 WASTE SOLUTIONS WASTE TRANSFER STATION

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	10177 FM 1960							
	City	DAYTON	**State**	TX	**ZIP**	77535	**ZIP + 4**	6094
24. County	LIBERTY							

If no Street Address is provided, fields 25-28 are required.

25. Description to Physical Location:					
26. Nearest City			**State**		**Nearest ZIP Code**

Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).

27. Latitude (N) In Decimal:	30.045342		**28. Longitude (W) In Decimal:**	-95.035528	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
30	02	43.23	-95	02	07.90

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
4212		562111	

33. What is the Primary Business of this entity? *(Do not repeat the SIC or NAICS description.)*

SOLID WASTE TRANSFER

34. Mailing Address:	**10185 FM 1960**							
	City	**DAYTON**	**State**	**TX**	**ZIP**	**77535**	**ZIP + 4**	
35. E-Mail Address:	[redacted]							

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(361) 945-1485		( ) -

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☒ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☒ Petroleum Storage Tank	☐ PWS
☐ Sludge	☒ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☐ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:

SECTION IV: Preparer Information

40. Name:	TROY LEITSCHUH	**41. Title:**	DIR OF ENVIR COMPL

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(817 **)** 903-4654		**( ) -**	[redacted]

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	FRONTIER WASTE SOLUTIONS	**Job Title:**	DIR OF ENVIR COMPL
Name *(In Print):*	TROY LEITSCHUH	**Phone:**	**(817) 903- 4654**
Signature:	Troy Leitschuh	**Date:**	5/21/2024

TCEQ Use Only

TCEQ Core Data Form

For detailed instructions on completing this form, please read the Core Data Form Instructions or call 512-239-5175.

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1. Reason for Submission (*If other is checked please describe in space provided.*)

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☒ Other **Permit Amendment application**

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	**3. Regulated Entity Reference Number** *(if issued)*
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☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

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6. Customer Legal Name *(If an individual, print last name first: eg: Doe, John)* — *If new Customer, enter previous Customer below:*

K2 WASTE SOLUTIONS LLC

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*
802219276	32057314620	47-398868	079907798

11. Type of Customer: ☒ Corporation ☐ Individual Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other:

12. Number of Employees
☐ 0-20 ☐ 21-100 ☒ 101-250 ☐ 251-500 ☐ 501 and higher

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(361) 945-1485		( ) -

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☐ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

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K2 WASTE SOLUTIONS WASTE TRANSFER STATION

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24. County	LIBERTY							

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25. Description to Physical Location:					
26. Nearest City			**State**		**Nearest ZIP Code**

Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).

27. Latitude (N) In Decimal:	30.045342		**28. Longitude (W) In Decimal:**	-95.035528	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
30	02	43.23	-95	02	07.90

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
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SOLID WASTE TRANSFER

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	City	**DAYTON**	**State**	**TX**	**ZIP**	**77535**	**ZIP + 4**	
35. E-Mail Address:	[redacted]							

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(361) 945-1485		( ) -

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☒ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☒ Petroleum Storage Tank	☐ PWS
☐ Sludge	☒ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☐ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:

SECTION IV: Preparer Information

40. Name:	TROY LEITSCHUH	**41. Title:**	DIR OF ENVIR COMPL

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(817 **)** 903-4654		**( ) -**	[redacted]

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	FRONTIER WASTE SOLUTIONS	**Job Title:**	DIR OF ENVIR COMPL
Name *(In Print):*	TROY LEITSCHUH	**Phone:**	**(** 817 **)** 903- **4654**
Signature:	Troy Leitschuh	**Date:**	5/21/2024

3 PART I APPLICATION FORM, TCEQ-00650

Texas Commission on Environmental Quality

Part I Application Form for New Permit, Permit Amendment, or Registration for a Municipal Solid Waste Facility

Instructions for completing this Part I Application Form are provided in TCEQ 00650-instr[1]. Include a Core Data Form (TCEQ 10400)[2] with the application for the facility owner, and Core Data Forms for the operator and property owner if different from the facility owner. If you have questions, contact the Municipal Solid Waste (MSW) Permits Section by email to [redacted], or by phone at 512-239-2335. Rules cited on this form are in Title 30 Texas Administrative Code (30 TAC) and may be viewed online at www.tceq.texas.gov/goto/view-30tac.

Application Tracking Information

Facility Regulated Entity Name[3]:
K2 Waste Solutions, LLC Waste Transfer Station

Site Operator (Permittee or Registrant Name)[4]:
K2 WASTE SOLUTIONS, LLC

MSW Authorization Number: 2394A

Initial Submission Date: 7/29/2024

Revision Date: 8/20/2024

Application Data

1. Submission Type

☐ Initial Submission ☒ Notice of Deficiency (NOD) Response

2. Authorization Type

☒ Permit ☐ Registration

3. Application Type

☐ New Permit

☒ Permit Major Amendment ☐ Permit Limited Scope Major Amendment

☐ New Registration

[1] www.tceq.texas.gov/downloads/permitting/waste-permits/msw/forms/00650-instr.pdf
[2] www.tceq.texas.gov/goto/coredata
[3] Facility Regulated Entity Name must match the Regulated Entity Name indicated on the TCEQ Core Data Form.
[4] Site Operator is defined in 30 TAC 330.3(148) as the holder of, or the applicant for, an authorization (or license) for a municipal solid waste facility.

PAGE REVISION DATE: 7/29/2024

4. Application Fee

Amount

☒ $2,050—New Landfill Permits, and Landfill Permit Major Amendments Described in 30 TAC 305.62(j)(1)

☐ $150—Other Permits, Permit Amendments, Limited Scope Major Amendments, and all Registrations

Payment Method

☒ Online through ePay portal www3.tceq.texas.gov/epay/

Enter ePay Trace Number: [redacted]

☐ Check (send to TCEQ Financial Administration Division)

Payor Name: _____ Check Number: _____

5. Electronic Versions of Application

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 Publishing Notice

Indicate who will be responsible for publishing notice:

☒ Applicant ☐ Agent in Service ☐ Consultant

Contact Name: BILL KILLIAN

Title: VICE PRESIDENT

Email Address: [redacted]

7. Alternative Language Notice

Use the Alternative Language Checklist on Public Notice Verification Form TCEQ-20244-Waste-NORI, TCEQ-20244-Waste-NAPD, or TCEQ-20244-Waste-NAORPM available at www.tceq.texas.gov/permitting/waste_permits/msw_permits/msw_notice.html to determine if an alternative language notice is required.

Is an alternative language notice required for this application?

☒ Yes ☐ No

Indicate the alternative language: SPANISH

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8. Public Place for Copy of Application

Name of the Public Place: JONES PUBLIC LIBRARY

Physical Address: 801 S CLEVELAND ST

City: DAYTON County: LIBERTY State: TX Zip Code: 77535

Phone Number: 936-258-7060

9. Consolidated Permit Processing

Is this submittal part of a consolidated permit processing request, in accordance with 30 TAC Chapter 33?

☐ Yes ■ No

If "Yes", indicate the other TCEQ program authorizations requested:

10. 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."

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11. Permits and Construction Approvals

Mark the following table to indicate status of other permits or approvals.

Table 1. Permits and Construction Approvals.

Permit or Approval	Received	Pending	Not Applicable
Hazardous Waste Management Program under Texas Solid Waste Disposal Act			X
Underground Injection Control Program under Texas Injection Well Act			X
National Pollutant Discharge Elimination System Program under Clean Water Act; Waste Discharge Program under Texas Water Code, Chapter 26			X
Prevention of Significant Deterioration Program under Federal Clean Air Act (FCAA); Nonattainment Program under the FCAA			X
National Emission Standards for Hazardous Air Pollutants Preconstruction Approval under the FCAA			X
Ocean Dumping Permits under Marine Protection Research and Sanctuaries Act			X
Dredge or Fill Permits under Clean Water Act			X
Licenses under the Texas Radiation Control Act			X
Other (describe):			
Other (describe):			

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12. General Information About the Facility

Facility Regulated Entity Name:
K2 WASTE SOLUTIONS, LLC WASTE TRANSFER STATION

Contact Name: BILL KILLIAN Title: VICE PRESIDENT

MSW Authorization Number (if existing): 2394

Regulated Entity Reference Number: **RN** 109452870

Physical or Street Address (if available): 10177 FM 1960

City: DAYTON County: LIBERTY State: TX Zip Code: 77535

Phone Number: 361-945-8130

Latitude (decimal degrees, six decimal places): 30.045342°N

Longitude (decimal degrees, six decimal places): -95.035528°W

Elevation (above mean sea level): 75 feet (benchmark elevation for landfills)

Description of facility location with respect to known or easily identifiable landmarks:
ABOUT 1800 FT WEST OF INTERSECTION OF FM1960 & CR623

Access routes from the nearest United States or state highway to the facility:
TURN WEST ONTO FM 1960 FROM THE CITY OF DAYTON AND GO APPROX. 1.6 MILES

Coastal Management Program

Is the facility within the Coastal Management Program boundary?

☐ Yes ■ No

13. Facility Types

Facility types are described in 30 TAC 330.5(a).

Indicate facility type (select all that apply):

☐ Type I ☐ Type IV ■ Type V

☐ Type IAE ☐ Type IVAE ☐ Type VI

14. Activities Conducted at the Facility

■ Storage ■ Processing ☐ Disposal

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15. Facility Waste Management Units

Check the box for each type of waste management unit proposed.

- ☐ Landfill Unit(s)
- ☐ Incinerator(s)
- ☐ Class 1 Landfill Unit(s)
- ☐ Process Tank(s)
- ☐ Storage Tank(s)
- ☒ Tipping Floor
- ☐ Storage Area
- ☒ Container(s)
- ☒ Roll-off Boxes
- ☐ Surface Impoundment
- ☐ Autoclave(s)
- ☐ Refrigeration Unit(s)
- ☐ Mobile Processing Unit(s)
- ☐ Compost Pile(s) or Vessel(s)
- ☒ Other (specify): TRANSFER STATION

16. Description of Proposed Facility or Changes to Existing Facility

Provide a brief description of the proposed activities if application is for a new facility, or the proposed changes to an existing facility or permit conditions if the application is for an amendment.

COLLECTION TRUCKS WILL COLLECT MUNICIPAL SOLID WASTE AND TRANSPORT IT TO THE PROPOSED TRANSFER STATION WHERE IT WILL BE TRANSFERRED TO LARGER TRUCKS FOR TRANSPORT TO A PERMITTED LANDFILL FOR FINAL DISPOSAL.

PAGE REVISION DATE: 10/7/2024

17. Facility Contact Information

Site Operator (Permittee or Registrant)

Name: K2 WASTE SOLUTIONS, LLC

Customer Reference Number: **CN** 604942383

Contact Name: BILL KILLIAN Title: VICE PRESIDENT

Mailing Address: 10185 FM 1960

City: DAYTON County: LIBERTY State: TX Zip Code: 77535

Phone Number: 936-258-9035

Email Address: [redacted]

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:

Consultant (if applicable)

Firm Name: RABA KISTNER, INC

Consultant Name: DANTE FEKETE

Texas Board of Professional Engineers Firm Registration Number: 3257

Contact Name: DANTE FEKETE Title: PROJECT MANAGER

Mailing Address: 8100 CAMERON RD., STE B-150

City: AUSTIN County: TRAVIS State: TX Zip Code: 78754

Phone Number: 512-339-1745 Ext.3028

Email Address: [redacted]

Agent in Service (required for out-of-state applicants)

Name:

Mailing Address:

City: County: State: TX Zip Code:

Phone Number:

Email Address:

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18. Facility Supervisor License

Indicate the level of Municipal Solid Waste Facility Supervisor license, as defined in 30 TAC Chapter 30, Occupational Licenses and Registrations, Subchapter F that the individual who supervises or manages the operations will obtain prior to commencing operations.

☐ Class A Supervisor License ■ Class B Supervisor License

19. Facility Ownership

Facility Owner

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 the other owner, and include a Core Data Form for the other owner. Attach supplemental sheet if more than one other owner.

Other Owner Name: K2 WASTE SOLUTIONS REAL ESTATE HOLDINGS, LLC

What is Owned: ☐ Facility Units ■ Property

☐ Other (describe): _____

Mailing Address: 10185 FM 1960

City: DAYTON County: LIBERTY State: TX Zip Code: 77535

Phone Number: 361-945-1485

Email Address: [redacted]

20. Other Government Entities Information

Texas Department of Transportation

District: 20

District Engineer's Name: MARTIN GONZALEZ, P.E.

Mailing Address: 8350 EASTEX FREEWAY

City: BEAUMONT County: JEFFERSON State: TX Zip Code: 77708

Phone Number: 409-898-5731

Email Address: [redacted]

Local Government Authority Responsible for Road Maintenance (if applicable)

Government or Agency Name: LIBERTY COUNTY

Contact Person's Name: LEON WILSON, COMMISSIONER

Mailing Address: P.O. BOX 88

City: DAYTON County: LIBERTY State: TX Zip Code: 77535

Phone Number: 936-258-5202

Email Address: [redacted]

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City Mayor Information

City Mayor's Name: N/A

Mailing Address:

City: County: State: TX Zip Code:

Phone Number:

Email Address:

City Health Authority

Authority Name: N/A

Contact Person's Name:

Contact Person's Title:

Mailing Address:

City: County: State: TX Zip Code:

Phone Number:

Email Address:

County Judge Information

County Judge's Name: JUDGE JAY H. KNIGHT

Mailing Address: 1923 Sam Houston, Room 201

City: Liberty County: Liberty State: TX Zip Code: 77575

Phone Number: 936-336-4665

Email Address [redacted]

County Health Authority

Agency Name: TEXAS PUBLIC HEALTH REGION 6/5 S

Contact Person's Name: Najmus Abdullah, MPH

Contact Person's Title: Regional Epidemiologist

Mailing Address: 5425 Polk St, Ste 420

City: Houston County: Harris State: TX Zip Code: 77023

Phone Number: (713) 767-3232

Email Address: [redacted]

State Representative Information

House District Number: 18

State Representative's Name: ERNEST BAILES

District Office Mailing Address: P.O. BOX 1116

City: SHEPHERD County: SAN JACINTO State: TX Zip Code: 77371

Phone Number: 936-628-6687

Email Address: [redacted]

PAGE REVISION DATE: 8/20/2024

State Senator Information

District Number: 3

State Senator's Name: ROBERT NICHOLS

District Office Mailing Address: 329 NECHES STREET

City: JACKSONVILLE County: CHEROKEE State: TX Zip Code: 75766

Phone Number: 903-589-3003

Email Address: [redacted]

Council of Governments (COG)

COG Name: HOUSTON-GALVESTON AREA COUNCIL

COG Representative's Name: JUDGE JAY H. KNIGHT

COG Representative's Title: COUNTY JUDGE (LIBERTY)

Mailing Address: 1923 SAM HOUSTON ST, ROOM 201

City: LIBERTY County: LIBERTY State: TX Zip Code: 77575

Phone Number: 936-336-4665

Email Address: [redacted]

River Basin Authority

Authority Name: SAN JACINTO RIVER AUTHORITY

Contact Person's Name: HEATHER RAMSEY

Watershed Sub-Basin Name: TRINITY-SAN JACINTO CSTL BASIN

Mailing Address: 1577 DAM SITE ROAD

City: CONROE County: MONTGOMERY State: TX Zip Code: 77304

Phone Number: 936-588-3111

Email Address [redacted]

Local Drainage or Flood Management Authority

Authority Name: Liberty County Old River Drainage District #1

Contact Person's Name: JACK CARAWAY, COMMISSIONER

Mailing Address: 1525 CR 602

City: DAYTON County: LIBERTY State: TX Zip Code: 77535

Phone Number: 936-402-5340

Email Address: [redacted]

U.S. Army Corps of Engineers District

Indicate the U.S. Army Corps of Engineers district in which the facility is located:

☐ Albuquerque, NM ■ Galveston, TX

☐ Fort Worth, TX ☐ Tulsa, OK

PAGE REVISION DATE: 7/29/2024

Local Government Jurisdiction

Within City Limits of: N/A

Within Extraterritorial Jurisdiction of: N/A

Is the facility located in an area in which the governing body of the municipality or county has prohibited the storage, processing, or disposal of municipal or industrial solid waste?

☐ Yes ■ No

If "Yes", provide a copy of the ordinance as an attachment.

PAGE REVISION DATE: 9/9/2024

Applicant Signature Page

Site Operator (Permittee or Registrant Name) 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: Bill Killian Title: Vice President

Email Address: [redacted]

Signature: _____ Date: 9/6/2024

Authorization by Facility Owner for Operator to Submit Application

To be completed by the facility owner if the application is submitted by an operator who is not the facility owner.

I am the owner of the facility that is the subject of this application, and authorize the operator, _____ to submit this application pursuant to 30 TAC 305.43(c).

Name: _____ Title: _____

Email Address: _____

Signature: _____ Date: _____

Notary

SUBSCRIBED AND SWORN to before me by the said Bill Killian

On this 6 day of September, 2024

My commission expires on the 28 day of March, 2027

_____

Notary Public in and for

Montgomery, Texas (notary's jurisdiction, including county and state)

Note: Application Must Bear Signature & Seal of Notary Public

AMIT SHETH
Notary Public, State of Texas
Comm. Expires 03-28-2027
Notary ID 134276237

PAGE REVISION DATE: 7/29/2024

Property Owner Affidavit

Property Owner Affidavit for Landfill Facility

I acknowledge in accordance with 30 TAC 330.59(d)(2) that the State of Texas may hold me either jointly or severally responsible for the operation, maintenance, and closure and post-closure care of the facility. For a facility where waste will remain after closure, I acknowledge that I have a responsibility to file with the county deed records an affidavit to the public advising that the land will be used for a solid waste facility prior to the time that the facility actually begins operating as a municipal solid waste landfill facility, and to file a final recording upon completion of disposal operations and closure of the landfill units according to 30 TAC 330.19 (relating to Deed Recordation). I further acknowledge that the facility owner or operator and the State of Texas shall have access to the property during the active life and post-closure care period for the purpose of inspection and maintenance.

Name: _____

Email Address: _____

Signature: _____ Date: _____

Property Owner Affidavit for Processing Facility

I acknowledge in accordance with 30 TAC 330.59(d)(2) that the State of Texas may hold me either jointly or severally responsible for the operation, maintenance, and closure of the facility. I further acknowledge that the facility owner or operator and the State of Texas shall have access to the property during the active life and post-closure care period for the purpose of inspection and maintenance.

Name: Bill Killian

Email Address: bkillian@frontierwaste.com

Signature: _____ Date: 05/20/24

Notary

SUBSCRIBED AND SWORN to before me by the said Bill Killian

On this 20 day of May, 2024

My commission expires on the 9 day of September, 2024

Barbara Killian

Notary Public in and for

Nueces County, Texas (notary's jurisdiction, including county and state)

Note: Application Must Bear Signature & Seal of Notary Public

BARBARA KILLIAN
Notary ID #132667880
My Commission Expires
September 9, 2024

PAGE REVISION DATE: 7/29/2024

Part I Attachments

Refer to instruction document TCEQ 00650-instr[5] for professional engineer seal requirements.

Attachments Table 1. Required attachments.

Required Attachments	Attachment Number
Supplementary Technical Report [30 TAC 305.45(a)(8)]	8
Property Legal Description [30 TAC 330.59(d)(1)]	10
Property Metes and Bounds Description [30 TAC 330.59(d)(1)]	10
Facility Legal Description [30 TAC 330.59(d)(1)]	10
Facility Metes and Bounds Description [30 TAC 330.59(d)(1)]	10
Metes and Bounds Drawings [30 TAC 330.59(d)(1)]	10
On-Site Easements Drawing [30 TAC 330.61(c)(10)]	10
Land Ownership Map [30 TAC 330.59(c)(3)]	7
Landowners List [30 TAC 330.59(c)(3)]	7
Mailing Labels (in electronic file, in Avery 5160 format; see instructions) [30 TAC 281.5(7)]	7
General Location Maps [30 TAC 330.59(c)(2)]	11
Texas Department of Transportation (TxDOT) County Map [30 TAC 330.59(c)(2)]	11
General Topographic Maps [30 TAC 330.61(e)]	11
Verification of Legal Status / Legal Authority (certificate of incorporation) [30 TAC 281.5 and 330.59(e)]	6
Evidence of Competency [30 TAC 330.59(f)]	5
Signatory Authority Documentation [30 TAC 305.44 and 330.59(g)]	4
TCEQ Core Data Form(s) TCEQ-10400[6] [30 TAC 281.5(7)]	2

[5] www.tceq.texas.gov/downloads/permitting/waste-permits/msw/forms/00650-instr.pdf
[6] www.tceq.texas.gov/permitting/central_registry/guidance.html

PAGE REVISION DATE: 7/29/2024

Attachments Table 2. Additional attachments as applicable.

Additional Attachments (select all that apply and add others as needed)	Attachment Number
■ Plain Language Summary Form TCEQ-20947[7] [30 TAC 39.405(k)]	12
■ Public Involvement Plan Form TCEQ-20960[8]	13
■ Fee Payment Receipt	9
☐ Confidential Documents	
☐ Waste Storage, Processing and Disposal Ordinances [Texas Health and Safety Code, Section 363.112[9]]	
☐ Final Plat Record of Property Description [30 TAC 330.59(d)(1)(B)]	
Other (describe):	
Other (describe):	
Other (describe):	

[7] www.tceq.texas.gov/downloads/permitting/waste-permits/msw/forms/20947-instr.pdf
[8] www.tceq.texas.gov/downloads/agency/decisions/hearings/environmental-equity/pip-form-tceq-20960.pdf www.tceq.texas.gov/downloads/agency/decisions/hearings/environmental-equity/instructions-for-pip-form-tceq-20960.pdf
[9] statutes.capitol.texas.gov/Docs/HS/htm/HS.363.htm#363.112

4 SIGNATORY AUTHORITY DOCUMENTATION

Date: ____05/20/24_____

TCEQ Municipal Solid Waste Authorization No. 2394

Major Permit Amendment

Signatory Authority Documentation

30 Texas Administrative Code, Chapter 305.44(a)(1):

For a corporation, the application shall be signed by a responsible corporate officer. For purposes of this paragraph, a responsible corporate officer means a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or the manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding $25 million (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures. Corporate procedures governing authority to sign permit or post-closure order applications may provide for assignment or delegation to applicable corporate positions rather than to specific individuals.

CERTIFICATION:

I, BILL KILLIAN, as the VICE PRESIDENT of K2 WASTE SOLLUTIONS, LLC do hereby certify that I meet the requirements of all state regulations pertaining to possessing the appropriate signatory authority for this application.

Signature:

Title:

VICE PRESIDENT

Printed Name:

BILL KILLIAN

Email:

[redacted]

5 EVIDENCE OF COMPETENCY

30 TAC 330.59.(f) – Evidence of Competency

§330.59.(f).1. - List of all Texas solid waste sites that the owner or operator has owned or operated within the last ten years:

Site Name	Site Type	Permit/Registration Number	County	Dates of Operation
CRWC Type IV Landfill	IV	2278A	Collin	September 2019 to present
Somervell County Transfer Station	V-TS	40181	Somervell	October 2017 to present
K2 Waste Solutions, LLC. Waste Transfer Station	V-TS	2394	Liberty	Permitted; Not Constructed

§330.59.(f).2. - List of all solid waste sites in all states, territories, or countries in which the owner or operator has a direct financial interest:

Site Name	Site Address	Dates of Operation	Name of State Regulatory Agency	Address of Regulatory Agency
CRWC Type IV Landfill	2450 E. University Dr. McKinney, TX	September 2019 to present	TCEQ	12100 Park 35 Circle, Austin TX78753
Somervell County Transfer Station	1691 FM 56, Glen Rose, TX	October 2017 to present	TCEQ	12100 Park 35 Circle, Austin TX78753
K2 Waste Solutions, LLC. Waste Transfer Station	10185 FM 1960, Dayton, TX	Permitted; Not Constructed	TCEQ	12100 Park 35 Circle, Austin TX78753

§330.59.(f).3. - A licensed solid waste facility supervisor shall be employed before commencing facility operation:

Name	License Number
David Troy Leitschuh	SW0000168

*Licenses provided at end of Evidence of Competency Section

§330.59.(f).4. - The names of the principals and supervisors of the owner's or operator's organization shall be provided, together with previous affiliations with other organizations engaged in solid waste activities:

Name	Previous affiliations with other solid waste companies
John Gustafson	Progressive Waste Solutions; Waste Management Inc
Alek Orloff	Alpine Holdings Inc; GFL Environmental
Troy Leitschuh	GFL Environmental; WCA Waste Corporation; Waste Connections; Progressive Waste Solutions; IESI Corporation; Waste Management Inc

6 VERIFICATION OF LEGAL STATUS

Corporations Section
P.O.Box 13697
Austin, Texas 78711-3697

Rolando B. Pablos
Secretary of State

07/29/2024

Office of the Secretary of State

Certificate of Fact

The undersigned, as Secretary of State of Texas, does hereby certify that the document, Application for Registration for K2 Waste Solutions, LLC (file number 802219276), a ARIZONA, USA, Foreign Limited Liability Company (LLC), was filed in this office on May 21, 2015.

It is further certified that the entity status in Texas is in existence.

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on February 01, 2017.

Rolando B. Pablos
Secretary of State

Corporations Section
P.O.Box 13697
Austin, Texas 78711-3697

Rolando B. Pablos
Secretary of State

07/29/2024

Office of the Secretary of State

Certificate of Fact

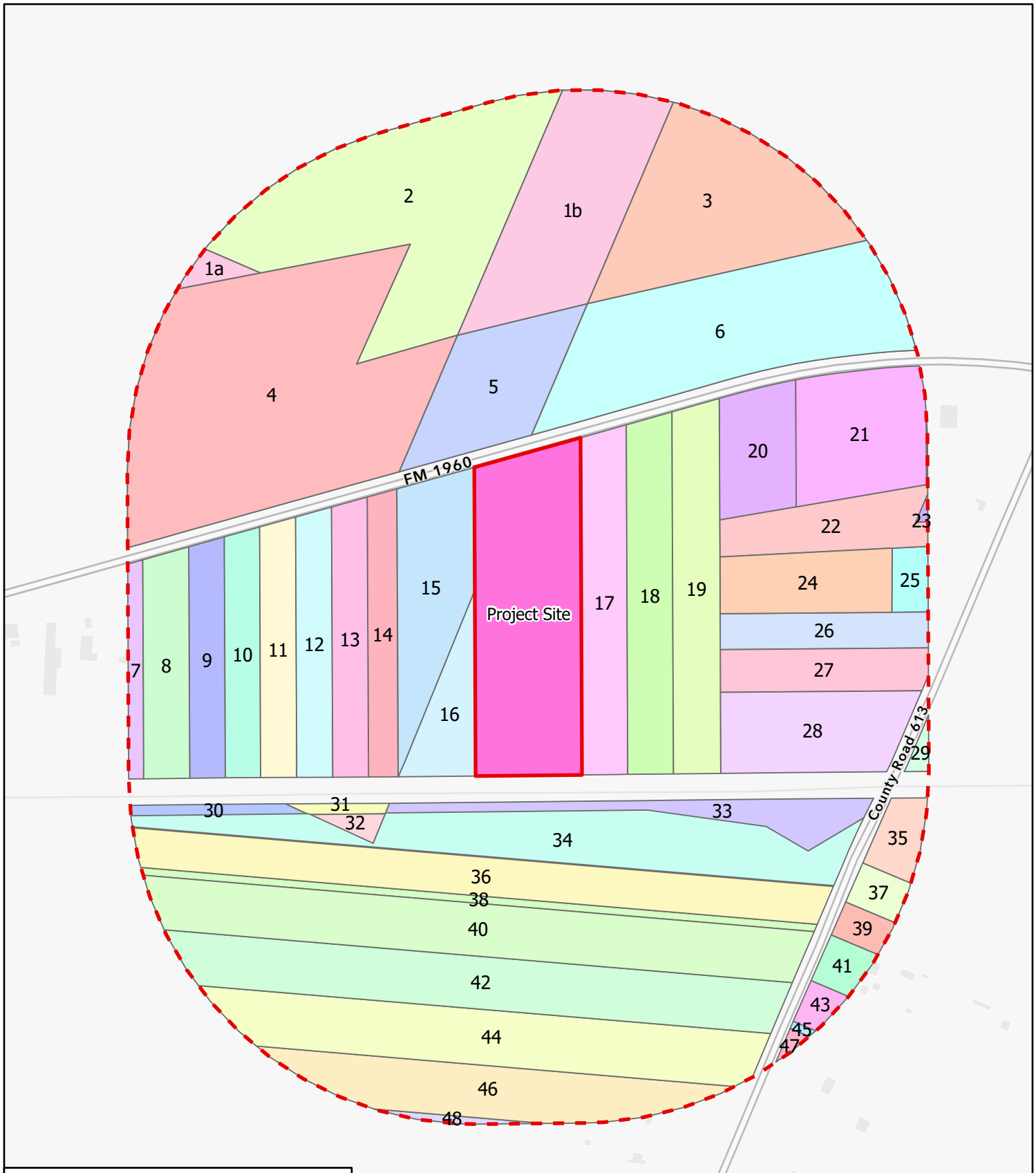
The undersigned, as Secretary of State of Texas, does hereby certify that the document, Application for Registration for K2 Waste Solutions Real Estate Holdings, LLC (file number 802262032), a ARIZONA, USA, Foreign Limited Liability Company (LLC), was filed in this office on July 28, 2015.

It is further certified that the entity status in Texas is in existence.

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on February 01, 2017.

Rolando B. Pablos
Secretary of State

7 ADJACENT LAND OWNERSHIP MAP AND LIST WITH MAILING LABELS



Project Site

1/4 Mile Buffer

Scale: 1:7,000

0 250 500 Feet

N

*Mineral interest ownership below facility is not provided on real property appraisal records and has not been included in map or list.

RABA KISTNER
1011 W. Lewis Street, Conroe, TX 77301
P 281.210.0084
TBPE Firm F-3257
TBPG Firm 50220

SOURCE:
Parcel data obtained from the Texas Natural Resources Information System (TNRIS). Liberty County, Texas, 2024.

Drawn By: KFR
Issue Date: 08/26/2024
RKI Project Number: AHF2300405

K2 WASTE SOLUTIONS LLC
ADJACENT LANDOWNERS
Transfer Station
10185 FM 1960
Dayton, Liberty County, Texas 77535

FIGURE 1

K2 WASTE SOLUTIONS, LLC

Transfer Station – Property IDs: 32520, 196549, 30883, 30886, 196550, & 196548

Landowners within ¼ mile

1-6. CEDARWOOD FARMS INC
6200 DE LA GUERRA TERRACE
BAKERSFIELD, CA 99306-9758

BHOGAL FAMRS
3551 Q STREET, SUITE 103
BAKERSFIELD, CA 99301

7. VILLAFUERTE VICTOR & FERNANDO TORRES
PO BOX 603
CROSBY, TX 77532

8. COOLEY JOYCE B GOSS
10455 FM 1960
DAYTON, TX 77535

9. PIERCE DARRELL C & CINDY S
PO BOX 324
SHIRO, TX 77876

10. JOHNSON JESSE EARL & REGENA
10369 FM 1960
DAYTON, TX 77535

11. JOHNSON REGENA
10369 FM 1960
DAYTON, TX 77535

12. JAGID HOLDINGS LLC
C/O JONATHAN GONZALES
PO BOX 905
HUFFMAN, TX 77336

13. HESLEP PAMALA DELL
10325 FM 1960
DAYTON, TX 77535

14. GARAY ANGEL ISIDRO & SANDRA E MATA
10305 E FARM TO MARKET 1960
DAYTON, TX 77535

15-16. PELLETIER ROBIN G
12907 TAMARACK BEND LANE
HUMBLE, TX 77346

17. CASTILLO RENE D. & OLGA L.
10122 FM 1960
DAYTON, TX 77523

18. HOGUE HAROLD W
10089 FM 1960
DAYTON, TX 77535

19. DUGGER SHERI LEE
10087 FM 1960
DAYTON, TX 77535

20. LOPEZ ERNESTO & DORA E
1518 NOGLUS DR
CROSBY, TX 77532

21. SOUTHEAST TEXAS SALES MANAGEMENT LLC
21263 OLD HWY 105 E
CLEVELAND, TX 77328

22-25. CRUZ MIGUEL A & VANESSA
96 COUNTY ROAD 613
DAYTON, TX 77535

26. GROVE PAYDEN DEAN & TAYLOR JEAN
242 COUNTY ROAD 613
DAYTON, TX 77535

27. HARNOIS MICHAEL
244 COUNTY ROAD 613
DAYTON, TX 77535

28. FRANCO ANGEL
5534 RICE RD
PEARLAND, TX 77581

29. ASHLEY DARRELL
4460 FM 1960 EAST
HUMBLE, TX 77346

30, 31, 33. GIN CITY RESTORATION LLC
2223 HICKERY MANOR DRIVE
HUFFMAN, TX 77336

32, 34. RUBIO ROMEL & SILVIA RAMIREZ
18303 MEIKLE PATH
RICHMOND, TX 77407

35. DELGADO SILIDONIO
345 COUNTY ROAD 613
DAYTON, TX 77535

36. CERAVOLO JOSEPH & PAM
19622 SWEET FOREST LANE
HUMBLE, TX 77396

37. GARCIA JOSE
403 COUNTY ROAD 613
DAYTON, TX 77535

38. LIBERTY LAND TRUST
720 N. POST OAK ROAD SUITE 300
HOUSTON, TX 77024

39. MARIA ELENA GARCIA
1512 PARK LN
PASADENA, TX 77506

40. GONZALEZ EFREN & ARACELI
13114 CUTLER RIDGE LANE
HOUSTON, TX 77044

41. RODRIGUEZ ADAN & MARIA
PO BOX 13
DAYTON, TX 77535

42. SALDANA LUIS A
9302 JOHNS RD
HOUSTON, TX 77049

43. MENDEZ CHRIS
327 WHITE CEDAR STREET
HOUSTON, TX 77015

44. DE LOS SANTOS-GARNICA ROBERTO
18318 WEST HARDY ROAD
HOUSTON, TX 77073

45. VICTORIA PECKHAM
378 COUNTY ROAD 612
DAYTON, TX 77535

46. ESTRADA ISIDRO & CLAUDIA
550 COUNTY ROAD 613
DAYTON, TX 77535

47. MIOREL D MARTINEZ
411 OAK AVE
CROSBY, TX 77532

48. SOLIS JAVIER
1801 5TH ST
GALENA PARK, TX 77547

CEDARWOOD FARMS INC
6200 DE LA GUERRA TERRACE
BAKERSFIELD CA 99306-9758

BHOGAL FAMRS
3551 Q STREET SUITE 103
BAKERSFIELD CA 99301

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550 COUNTY ROAD 613
DAYTON TX 77535

MIOREL D MARTINEZ
411 OAK AVE
CROSBY TX 77532

SOLIS JAVIER
1801 5TH ST
GALENA PARK TX 77547

8 SUPPLEMENTARY TECHNICAL REPORT

This Supplementary Technical Report is supplied in compliance with 30 TAC §305.45(a}(8). It pertains to the proposed K2 Waste Solutions, LLC Waste Transfer Station to be located in Liberty County, Texas.

A. GENERAL DESCRIPTION - The site of the proposed transfer station is located approximately 1.6 miles west of the City of Dayton along FM 1960 in Liberty County, Texas. The facility will serve as a transfer station for solid waste generated by the citizens of Liberty, Harris, San Jacinto, Montgomery and Chambers Counties. The facility is owned by K2 Waste Solutions Real Estate Holdings, LLC and operated by K2 Waste Solutions, LLC.

The proposed transfer station will be enclosed by a six-feet tall chain link fence. Access to the facility is via a single driveway to FM 1960 and this entrance will be equipped with a gate. The gate will be monitored during facility operations to prevent unauthorized vehicles from accessing the facility. The gate will be locked on nights, holidays, or any other time the facility will be unattended by K2 Waste Solutions personnel.

The proposed facility will be equipped with entry drives, concrete pad, transfer building, and scale house which are proposed to be constructed as part of the site development. A new maintenance building and remodel of an existing building to an office are also included. Access to the site will be controlled by a proposed security fence surrounding the site and gates at the entrance.

K2 Waste Solutions utilizes waste collection trucks to collect municipal waste from their service areas. The capacities of the collection trucks vary from 20 cubic yards (7 tons) to 40 cubic yards (12 tons) depending on the truck and waste stream. These vehicles will bring their collected waste to the transfer station where it will be transferred into transfer trailers. Once full, the transfer trailers will be transferred to a landfill for final disposal by a transfer truck. The transfer trucks are of the 100 cubic yard (30 tons) transfer trailer variety.

B. DESCRIPTION OF WASTE - The K2 Waste Solutions, LLC Solid Waste Transfer Station will accept municipal household, commercial, industrial Class 2 & 3 solid wastes, along with construction debris generated by residents and businesses of Liberty County and surrounding counties. K2 Waste Solutions, LLC currently operates a waste collection operation adjacent to the proposed facility. Their current operations involves the collecting of waste in their service area via garbage truck and then delivering it to local landfills for final disposal. The establishment of the proposed transfer station will improve operational efficiency by allowing the garbage trucks to deliver their waste to a central location (the proposed transfer station) where it will be concentrated in transfer trailers and then transferred to the landfills for final disposal.

1. PERMITTED CAPACITY - K2 Waste Solutions, LLC anticipates serving approximately 27,000 homes and 1,500 commercial and industrial clients by the time this facility opens. K2 Waste Solutions currently collects about 165 tons of waste per day, but expects that average to increase to at least 600 tons per day by the time this proposed facility opens. The design for this facility is based on a maximum of 1,500 tons of waste per day ultimately.

It is proposed that the facility be permitted for a maximum overnight storage volume of 900 tons of municipal solid waste. Each transfer trailer will be filled and dispatched to a TCEQ approved landfill as rapidly as possible. Under normal operating conditions, solid waste should be hauled to the landfill at least once per day. In no event will the solid waste be stored at the transfer station longer than 72 hours.

2. TYPE OF WASTE ACCEPTED - The K2 Waste Solutions, LLC Waste Transfer Station will accept municipal household, commercial, and industrial Class 2 & 3 solid wastes, in addition to construction debris. This waste will not contain prohibited wastes. No hazardous waste will be accepted.

C. OTHER INFORMATION - Other information regarding the proposed transfer station is as follows:

1. ROADWAY ACCESS - The proposed facility will be accessed from FM 1960 which runs parallel and immediately adjacent to the site's northern boundary line. FM 1960 is a two lane paved road with paved shoulders and is adequate to handle the vehicular traffic associated with this facility.

2. TRANSFER BUILDING DESIGN - The facility will be equipped with covered transfer building with a drive-through design. The working floors will be slightly above natural ground level and accessible from the proposed exterior concrete pad and driveways. Collection vehicles will be able to enter the transfer building and deposit their loads onto the working floors, from which point the solid waste will be moved and transferred to transfer trailers by facility equipment (i.e., front end loaders). Those trailers, when loaded, will be delivered to a landfill for final disposal. This facility will be partially enclosed to protect it from rainfall and also equipped with floor drains to accommodate wash water.

All working areas will be well ventilated due to the fact that the transfer building will not be a fully enclosed structure. The facility will restrict additional solid waste receipt if a significant work stoppage should occur due to a mechanical breakdown or other causes. Under such circumstances, incoming solid waste will be diverted to an approved backup storage, processing, or disposal facility. If the work stoppage is anticipated to last long enough to create objectionable odors, insect breeding, or harborage of vectors, steps will be taken to remove the accumulated solid waste from the facility to a approved backup storage, processing, or disposal facility within 72 hours.

The working floors are designed to facilitate proper cleaning. The walls and floors in the operating areas are constructed of hard-surfaced materials that can be hosed down and scrubbed as needed. These areas are protected from rain by a covered roof and the surrounding external areas will be graded to direct runoff away from the facility. The working floors will be gently sloped to direct wash-water to the pit area. The pit area itself will be equipped with a drain that directs wash-water and any other contaminated water to the proposed oil-sand separator and holding tank. This holding tank will be emptied on an as-needed basis by vacuum truck and hauled to a TCEQ approved facility for treatment and final disposal.

3. SPILL CONTROL - The storage and processing areas of the transfer station will be designed to control and contain spills and contaminated water from leaving the facility. The site will also be graded to protect the transfer station from external storm water runoff. The proposed facility will be equipped with an on-site septic system to accommodate the needs of the workers' restrooms. The septic system will only treat domestic sewage generated from the facility. Wash water and any other contaminated water from the proposed working floors of the transfer building will be

directed to drains. The drains from the building will be directed to a proposed holding tank that will store wash-water, any rainfall that may enter these areas due to being blown by the high winds, and any other contaminated water. This storage tank will be equipped with an oil-sand separator and will be emptied by vacuum truck on an as-needed basis and its contents transported to a TCEQ-approved treatment facility for final disposal. The proposed improvements of storing wash-water and contaminated water in a holding tank will be completed prior to commencement of transfer station operations. The facility will be designed to control and contain a worst-case spill or release. No contaminated water will be allowed to pond on the surface or run off as surface drainage. All liquids resulting from the operation of the transfer station will be disposed of in a manner that will not cause surface water or groundwater pollution. Drainage patterns will be minimally affected by this project. The site is not located within the 100-year floodplain of any water bodies in the area.

9 APPLICATION FEE PAYMENT RECEIPT

Your transaction is complete. Thank you for using TCEQ ePay.

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt and the vouchers for your records. An email receipt has also been sent.

Transaction Information

Trace Number: [redacted]
Date: 05/13/2024 04:07 PM
Payment Method: CC - Authorization [redacted]
ePay Actor: TROY LEITSCHUH
Actor Email: [redacted]
IP: 12.169.110.163
TCEQ Amount: $2,050.00
Texas.gov Price: $2,096.38*

* This service is provided by Texas.gov, the official website of Texas. The price of this service includes funds that support the ongoing operations and enhancements of Texas.gov, which is provided by a third party in partnership with the State.

Payment Contact Information

Name: TROY LEITSCHUH
Company: FRONTIER WASTE SOLUTIONS
Address: 805A TOPEKA AVE, JUSTIN, TX 76247
Phone: 817-903-4654

Cart Items

Click on the voucher number to see the voucher details.

Voucher	Fee Description	AR Number	Amount
705233	NONHAZARDOUS WASTE PERMIT - NEW & AMENDMENTS (INCLUDING LIMITED SCOPE)		$2,000.00
705234	30 TAC 305.53B WASTE NOTIFICATION FEE		$50.00
		TCEQ Amount:	$2,050.00

ePay Again | Exit ePay

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt for your records.

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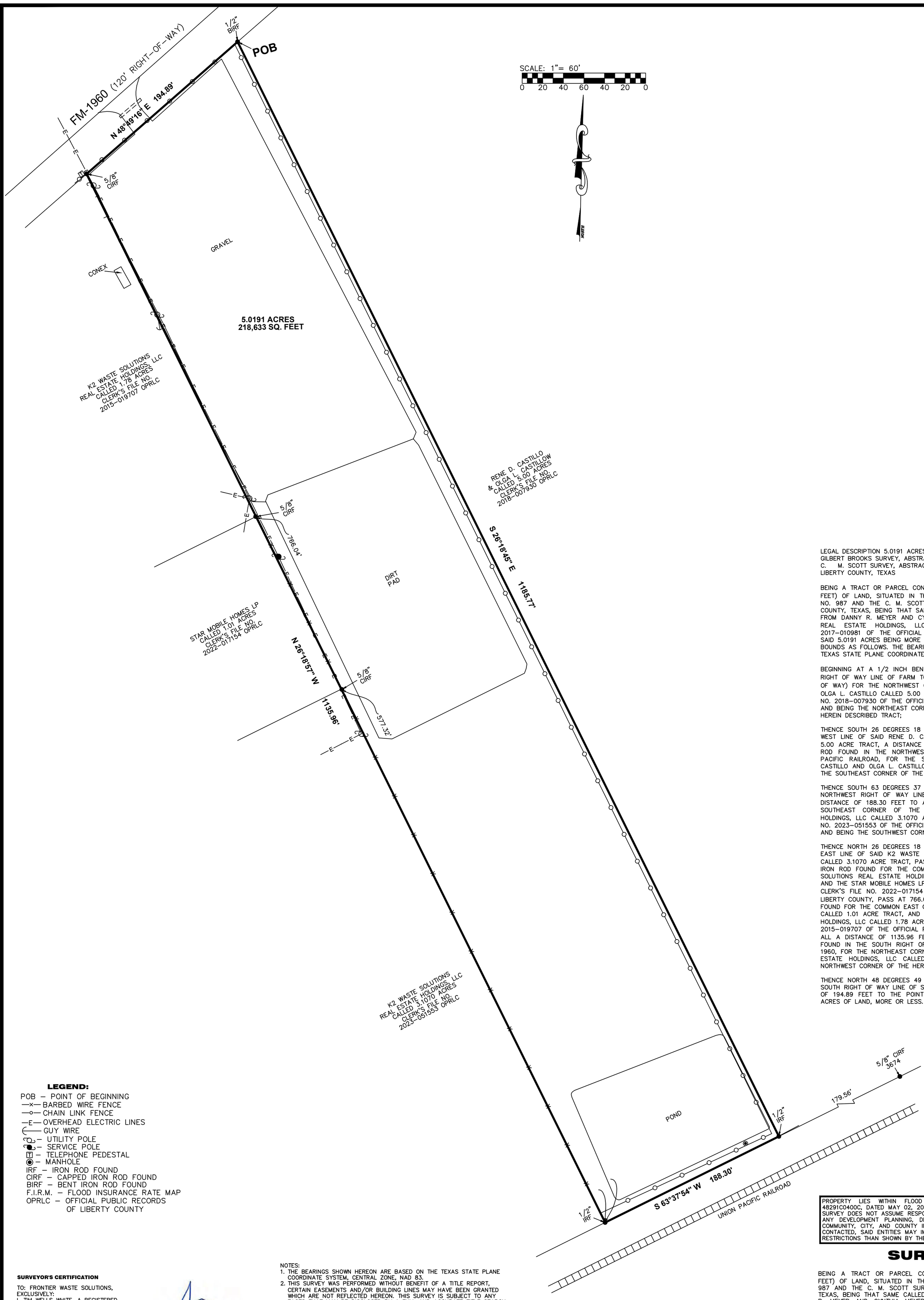
10 FACILITY/PROPERTY LEGAL DESCRIPTION & METES AND BOUNDS



LEGAL DESCRIPTION 5.0191 ACRES
GILBERT BROOKS SURVEY, ABSTRACT NO. 987
C. M. SCOTT SURVEY, ABSTRACT NO. 663
LIBERTY COUNTY, TEXAS

BEING A TRACT OR PARCEL CONTAINING 5.0191 ACRES (218,633 SQUARE FEET) OF LAND, SITUATED IN THE GILBERT BROOKS SURVEY, ABSTRACT NO. 987 AND THE C. M. SCOTT SURVEY, ABSTRACT NO. 663, LIBERTY COUNTY, TEXAS, BEING THAT SAME CALLED 5.00 ACRE TRACT CONVEYED FROM DANNY R. MEYER AND CYNTHIA MEYER TO K2 WASTE SOLUTIONS REAL ESTATE HOLDINGS, LLC DESCRIBED IN CLERK'S FILE NO. 2017-010981 OF THE OFFICIAL PUBLIC RECORDS OF LIBERTY COUNTY, SAID 5.0191 ACRES BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS. THE BEARINGS SHOWN HEREON ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 83:

BEGINNING AT A 1/2 INCH BENT IRON ROD FOUND IN THE SOUTHEAST RIGHT OF WAY LINE OF FARM TO MARKET ROAD 1960 (120 FOOT RIGHT OF WAY) FOR THE NORTHWEST CORNER OF THE RENE D. CASTILLO AND OLGA L. CASTILLO CALLED 5.00 ACRE TRACT DESCRIBED IN CLERK'S FILE NO. 2018-007930 OF THE OFFICIAL PUBLIC RECORDS OF LIBERTY COUNTY, AND BEING THE NORTHEAST CORNER OF SAID 5.00 ACRE TRACT AND THE HEREIN DESCRIBED TRACT;

THENCE SOUTH 26 DEGREES 18 MINUTES 45 SECONDS EAST, ALONG THE WEST LINE OF SAID RENE D. CASTILLO AND OLGA L. CASTILLO CALLED 5.00 ACRE TRACT, A DISTANCE OF 1185.77 FEET TO A 1/2 INCH IRON ROD FOUND IN THE NORTHWEST RIGHT OF WAY LINE OF THE UNION PACIFIC RAILROAD, FOR THE SOUTHWEST CORNER OF SAID RENE D. CASTILLO AND OLGA L. CASTILLO CALLED 5.00 ACRE TRACT, AND BEING THE SOUTHEAST CORNER OF THE HEREIN DESCRIBED TRACT;

THENCE SOUTH 63 DEGREES 37 MINUTES 54 SECONDS WEST, ALONG THE NORTHWEST RIGHT OF WAY LINE OF SAID UNION PACIFIC RAILROAD, A DISTANCE OF 188.30 FEET TO A 1/2 INCH IRON ROD FOUND FOR THE SOUTHEAST CORNER OF THE K2 WASTE SOLUTIONS REAL ESTATE HOLDINGS, LLC CALLED 3.1070 ACRE TRACT DESCRIBED IN CLERK'S FILE NO. 2023-051553 OF THE OFFICIAL PUBLIC RECORDS OF LIBERTY COUNTY, AND BEING THE SOUTHWEST CORNER OF THE HEREIN DESCRIBED TRACT;

THENCE NORTH 26 DEGREES 18 MINUTES 57 SECONDS WEST, ALONG THE EAST LINE OF SAID K2 WASTE SOLUTIONS REAL ESTATE HOLDINGS, LLC CALLED 3.1070 ACRE TRACT, PASS AT 577.32 FEET A 5/8 INCH CAPPED IRON ROD FOUND FOR THE COMMON EAST CORNER OF SAID K2 WASTE SOLUTIONS REAL ESTATE HOLDINGS, LLC CALLED 3.1070 ACRE TRACT, AND THE STAR MOBILE HOMES LP CALLED 1.01 ACRE TRACT DESCRIBED IN CLERK'S FILE NO. 2022-017154 OF THE OFFICIAL PUBLIC RECORDS OF LIBERTY COUNTY, PASS AT 766.04 FEET A 5/8 INCH CAPPED IRON ROD FOUND FOR THE COMMON EAST CORNER OF SAID STAR MOBILE HOMES LP CALLED 1.01 ACRE TRACT, AND THE K2 WASTE SOLUTIONS REAL ESTATE HOLDINGS, LLC CALLED 1.78 ACRE TRACT DESCRIBED IN CLERK'S FILE NO. 2015-019707 OF THE OFFICIAL PUBLIC RECORDS OF LIBERTY COUNTY, IN ALL A DISTANCE OF 1135.96 FEET TO A 5/8 INCH CAPPED IRON ROD FOUND IN THE SOUTH RIGHT OF WAY LINE OF SAID FARM TO MARKET 1960, FOR THE NORTHEAST CORNER OF SAID K2 WASTE SOLUTIONS REAL ESTATE HOLDINGS, LLC CALLED 1.78 ACRE TRACT, AND BEING THE NORTHWEST CORNER OF THE HEREIN DESCRIBED TRACT;

THENCE NORTH 48 DEGREES 49 MINUTES 16 SECONDS EAST, ALONG THE SOUTH RIGHT OF WAY LINE OF SAID FARM TO MARKET 1960, A DISTANCE OF 194.89 FEET TO THE POINT OF BEGINNING AND CONTAINING 5.0191 ACRES OF LAND, MORE OR LESS.

LEGEND:

POB – POINT OF BEGINNING
—x— BARBED WIRE FENCE
—o— CHAIN LINK FENCE
—E— OVERHEAD ELECTRIC LINES
GUY WIRE
– UTILITY POLE
– SERVICE POLE
T – TELEPHONE PEDESTAL
– MANHOLE
IRF – IRON ROD FOUND
CIRF – CAPPED IRON ROD FOUND
BIRF – BENT IRON ROD FOUND
F.I.R.M. – FLOOD INSURANCE RATE MAP
OPRLC – OFFICIAL PUBLIC RECORDS OF LIBERTY COUNTY

PROPERTY LIES WITHIN FLOOD ZONE 'X', ACCORDING TO F.I.R.M. NO. 48291C0400C, DATED MAY 02, 2008, BY GRAPHIC PLOTTING ONLY, WELLS LAND SURVEY DOES NOT ASSUME RESPONSIBILITY FOR EXACT DETERMINATION. BEFORE ANY DEVELOPMENT PLANNING, DESIGN, OR CONSTRUCTION IS STARTED, THE COMMUNITY, CITY, AND COUNTY IN WHICH SUBJECT TRACT EXISTS SHOULD BE CONTACTED, SAID ENTITIES MAY IMPOSE GREATER FLOOD PLAIN AND FLOODWAY RESTRICTIONS THAN SHOWN BY THE F.I.R.M. THAT MAY AFFECT DEVELOPMENT.

SURVEYOR'S CERTIFICATION

TO: FRONTIER WASTE SOLUTIONS, EXCLUSIVELY:
I, TIM WELLS WHITE, A REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF TEXAS, HEREBY CERTIFY THAT THIS PLAT REPRESENTS A SURVEY MADE ON THE GROUND UNDER MY DIRECT SUPERVISION ON JUNE 04, 2024. AT THE TIME OF THIS SURVEY THERE WERE NO APPARENT DISCREPANCIES, SHORTAGES IN AREA, BOUNDARY LINE CONFLICTS, ENCROACHMENTS, OVERLAPPING OF IMPROVEMENTS, EASEMENTS OR RIGHTS OF WAY, THAT I AM AWARE OF EXCEPT AS SHOWN HEREON. PROPERTY IS SUBJECT TO ALL CITY ORDINANCES AND SUBDIVISION COVENANTS, CONDITIONS AND RESTRICTIONS THAT MAY APPLY.

THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

STATE OF TEXAS REGISTERED TIM W. WHITE 5742 PROFESSIONAL LAND SURVEYOR

Tim Wells White, Registered Professional Land Surveyor No. 5742

NOTES:
1. THE BEARINGS SHOWN HEREON ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 83.
2. THIS SURVEY WAS PERFORMED WITHOUT BENEFIT OF A TITLE REPORT, CERTAIN EASEMENTS AND/OR BUILDING LINES MAY HAVE BEEN GRANTED WHICH ARE NOT REFLECTED HEREON. THIS SURVEY IS SUBJECT TO ANY FACTS THAT MAY BE DISCLOSED BY A FULL AND ACCURATE TITLE SEARCH.
3. NOTHING IN THIS SURVEY IS INTENDED TO EXPRESS AN OPINION REGARDING OWNERSHIP OR TITLE.
4. THE WORD CERTIFY IS UNDERSTOOD TO BE AN EXPRESSION OF PROFESSIONAL JUDGMENT BY THE SURVEYOR, WHICH IS BASED ON HIS BEST KNOWLEDGE, INFORMATION AND BELIEF.
5. SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.
6. THE FINDINGS AND OPINIONS OF WELLS LAND SURVEY, LLC REFLECTED HEREON ARE PRIVILEGED, CONFIDENTIAL AND INTENDED FOR THE USE OF THE INDIVIDUAL OR ENTITY FOR WHOM THIS WORK WAS PREPARED, IT IS UNDERSTOOD THAT THE USE OF, RELIANCE ON, OR REPRODUCTION OF SAME, IN WHOLE OR IN PART, BY OTHERS WITHOUT THE EXPRESS WRITTEN CONSENT OF WELLS LAND SURVEY, LLC IS PROHIBITED AND WITHOUT WARRANTY, EXPRESS OR IMPLIED. WELLS LAND SURVEY, LLC SHALL BE HELD HARMLESS AGAINST DAMAGES OR EXPENSES RESULTING FROM SUCH UNAUTHORIZED USE, RELIANCE OF REPRODUCTION. COPYRIGHT 2024. ALL RIGHTS RESERVED.

SURVEY OF

BEING A TRACT OR PARCEL CONTAINING 5.0191 ACRES (218,633 SQUARE FEET) OF LAND, SITUATED IN THE GILBERT BROOKS SURVEY, ABSTRACT NO. 987 AND THE C. M. SCOTT SURVEY, ABSTRACT NO. 663, LIBERTY COUNTY, TEXAS, BEING THAT SAME CALLED 5.00 ACRE TRACT CONVEYED FROM DANNY R. MEYER AND CYNTHIA MEYER TO K2 WASTE SOLUTIONS REAL ESTATE HOLDINGS, LLC DESCRIBED IN CLERK'S FILE NO. 2017-010981 OF THE OFFICIAL PUBLIC RECORDS OF LIBERTY COUNTY.

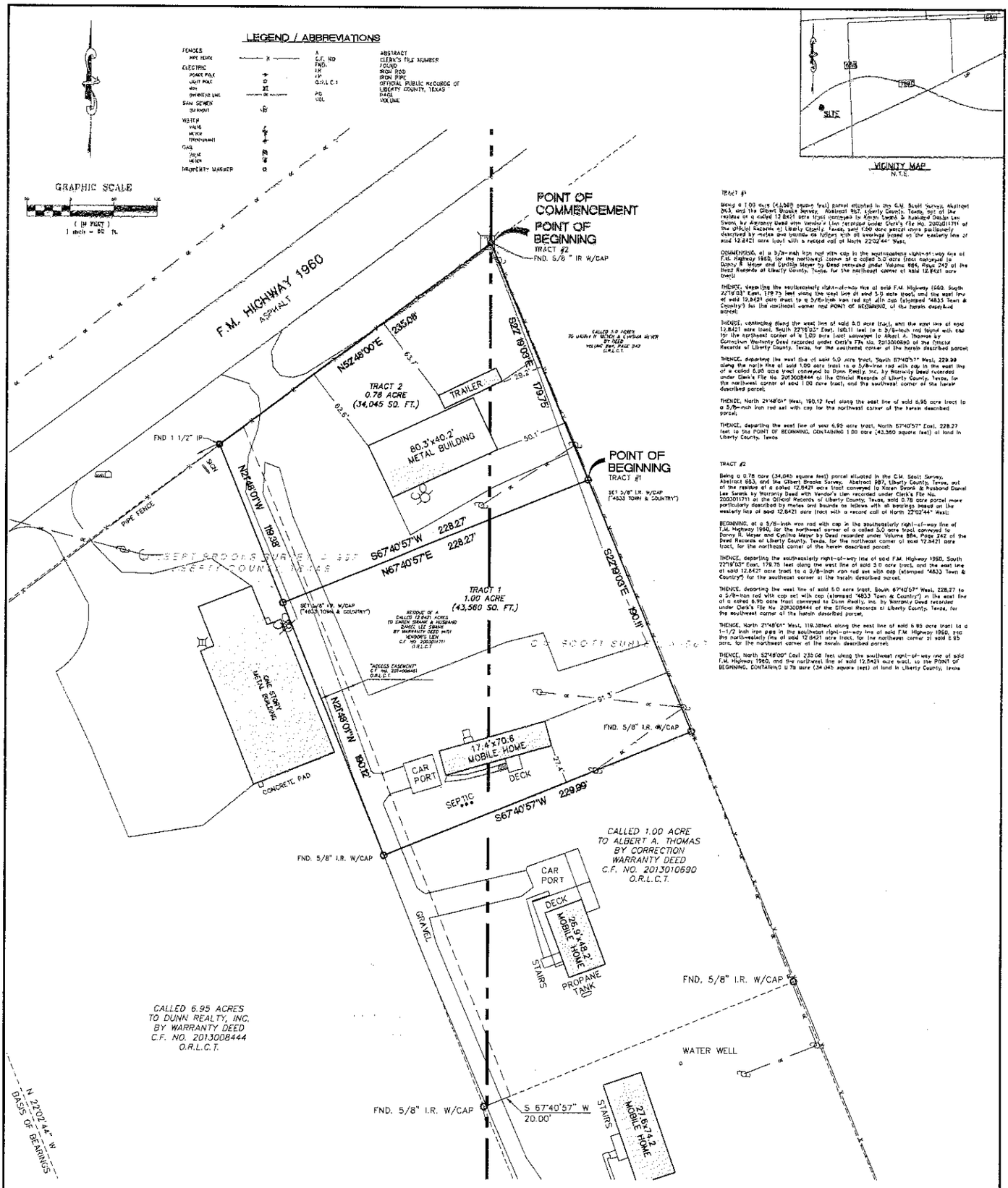
ADDRESS: 10177 FM-1960
DAYTON, TX 77535

SURVEYED FOR:
FRONTIER WASTE SOLUTIONS

TBPLS LICENSE # 10193909
WELLS LAND SURVEY
712 F.M. 562
ANAHUAC, TX 77514
(409) 267-3002
www.wellslandsurvey.com

Copyright 2024

JOB NO: 296-24	*DATE: 06-04-24*
DRAWN BY: AL	*SCALE: 1"= 60'*



TRACT #1

Being a 1.00 acre (43,560 square feet) parcel situated in the C.M. Scott Survey, Abstract 663, and the Gilbert Brooks Survey, Abstract 987, Liberty County, Texas, out of the residue of a called 12.8421 acre tract conveyed to Karen Swank & husband Daniel Lee Swank by Warranty Deed with Vendor's Lien recorded under Clerk's File No. 2003011711 of the Official Records of Liberty County, Texas, said 1.00 acre parcel more particularly described by metes and bounds as follows with all bearings based on the easterly line of said 12.8421 acre tract with a record call of North 22°02'44" West;

COMMENCING, at a 5/8-inch iron rod with cap in the southeasterly right-of-way line of F.M. Highway 1960, for the northeast corner of a called 5.0 acre tract conveyed to Danny R. Moyer and Cynthia Meyer by Deed recorded under Volume 884, Page 242 of the Deed Records of Liberty County, Texas, for the northeast corner of said 12.8421 acre tract;

THENCE, departing the southeasterly right-of-way line of said F.M. Highway 1960, South 22°19'03" East, 179.75 feet along the west line of said 5.0 acre tract, and the west line of said 12.8421 acre tract to a 5/8-inch iron rod set with cap (stamped "4833 Town & Country") for the northeast corner and POINT OF BEGINNING, of the herein described parcel;

THENCE, continuing along the west line of said 5.0 acre tract, and the west line of said 12.8421 acre tract, South 22°19'03" East, 190.11 feet to a 5/8-inch rod found with cap for the northeast corner of a 1.00 acre tract conveyed to Albert A. Thomas by Correction Warranty Deed recorded under Clerk's File No. 2013010690 of the Official Records of Liberty County, Texas, for the southeast corner of the herein described parcel;

THENCE, departing the west line of said 5.0 acre tract, South 67°40'57" West, 229.99 along the north line of said 1.00 acre tract to a 5/8-inch iron rod with cap in the east line of a called 6.95 acre tract conveyed to Dunn Realty, Inc. by Warranty Deed recorded under Clerk's File No. 2013008444 of the Official Records of Liberty County, Texas, for the northwest corner of said 1.00 acre tract, and the southeast corner of the herein described parcel;

THENCE, North 21°48'01" West, 150.12 feet along the east line of said 6.95 acre tract to a 5/8-inch iron rod set with cap for the northeast corner of the herein described parcel;

THENCE, departing the east line of said 6.95 acre tract, North 67°40'57" East, 228.27 feet to the POINT OF BEGINNING, CONTAINING 1.00 acre (43,560 square feet) of land in Liberty County, Texas

TRACT #2

Being a 0.78 acre (34,045 square feet) parcel situated in the C.M. Scott Survey, Abstract 663, and the Gilbert Brooks Survey, Abstract 987, Liberty County, Texas, out of the residue of a called 12.8421 acre tract conveyed to Karen Swank & husband Daniel Lee Swank by Warranty Deed with Vendor's Lien recorded under Clerk's File No. 2003011711 of the Official Records of Liberty County, Texas, said 0.78 acre parcel more particularly described by metes and bounds as follows with all bearings based on the easterly line of said 12.8421 acre tract with a record call of North 22°02'44" West;

BEGINNING, at a 5/8-inch iron rod with cap in the southeasterly right-of-way line of F.M. Highway 1960, for the northwest corner of a called 5.0 acre tract conveyed to Danny R. Moyer and Cynthia Meyer by Deed recorded under Volume 884, Page 242 of the Deed Records of Liberty County, Texas, for the northeast corner of said 12.8421 acre tract, for the northeast corner of the herein described parcel;

THENCE, departing the southeasterly right-of-way line of said F.M. Highway 1960, South 22°19'03" East, 179.75 feet along the west line of said 5.0 acre tract, and the east line of said 12.8421 acre tract to a 5/8-inch iron rod set with cap (stamped "4833 Town & Country") for the southeast corner of the herein described parcel;

THENCE, departing the west line of said 5.0 acre tract, South 67°40'57" West, 228.27 to a 5/8-inch rod with cap set with cap (stamped "4833 Town & Country") in the east line of a called 6.95 acre tract conveyed to Dunn Realty, Inc. by Warranty Deed recorded under Clerk's File No. 2013008444 of the Official Records of Liberty County, Texas, for the southwest corner of the herein described parcel;

THENCE, North 21°48'01" West, 119.38feet along the east line of said 6.95 acre tract to a 1-1/2 inch iron pipe in the southeast right-of-way line of said F.M. Highway 1960, and the northwesterly line of said 12.8421 acre tract, for the northwest corner of said 6.95 acre, for the northwest corner of the herein described parcel;

THENCE, North 52°48'00" East 235.08 feet along the southeast right-of-way line of said F.M. Highway 1960, and the northwest line of said 12.8421 acre tract, to the POINT OF BEGINNING, CONTAINING 0.78 acre (34,045 square feet) of land in Liberty County, Texas

General Notes

1. The surveyor has not abstracted the site. This survey was prepared without the benefit of a title commitment or other research and may not reflect all items of record.

2. Bearings based on the westerly line of a called 12.8421 acre tract as described in instrument recorded under Clerk's File No. 2003011711, O.R.L.C.T.

3. This original work is protected under copyright laws, Title 17 United States Code Sections 101 and 102. All violators will be prosecuted to the fullest extent of the law. This survey is being provided solely for the use of the recipients named and no license has been created, express or implied, to copy this survey except as is necessary in conjunction with the original transaction, which shall take place within thirty (30) days from the date adjacent to the signature line hereon.

4. Flood Statement: I have examined the Federal Emergency Management Agency's Flood Insurance Rate Map for Liberty County, Texas, Map Number 48291C0400 C, effective date of May 2, 2005, and the map indicates this tract to be in "Zone "X", determined to be outside 100 year flood plain". No portion of this plat lies within a designated Special Flood Hazard Area, bounded by 100 year flood or Other Flood Areas. Warning: If this site is not within an identified Special Flood Hazard Area, this statement does not imply that the property and/or the structures thereon will be free from flooding or flood damage. This determination has been made by scaling the property on the referenced map and is not the result of an elevation survey. This flood statement shall not create liability on the part of the surveyor.

SURVEYOR CERTIFICATION

To: Karen Swank

I certify that this survey was made on the ground, that the plat correctly represents the facts found at the time of survey and that this professional service substantially conforms to the current Texas Society of Professional Surveyors Standards and Specifications for a Category 1A, Condition II Survey.

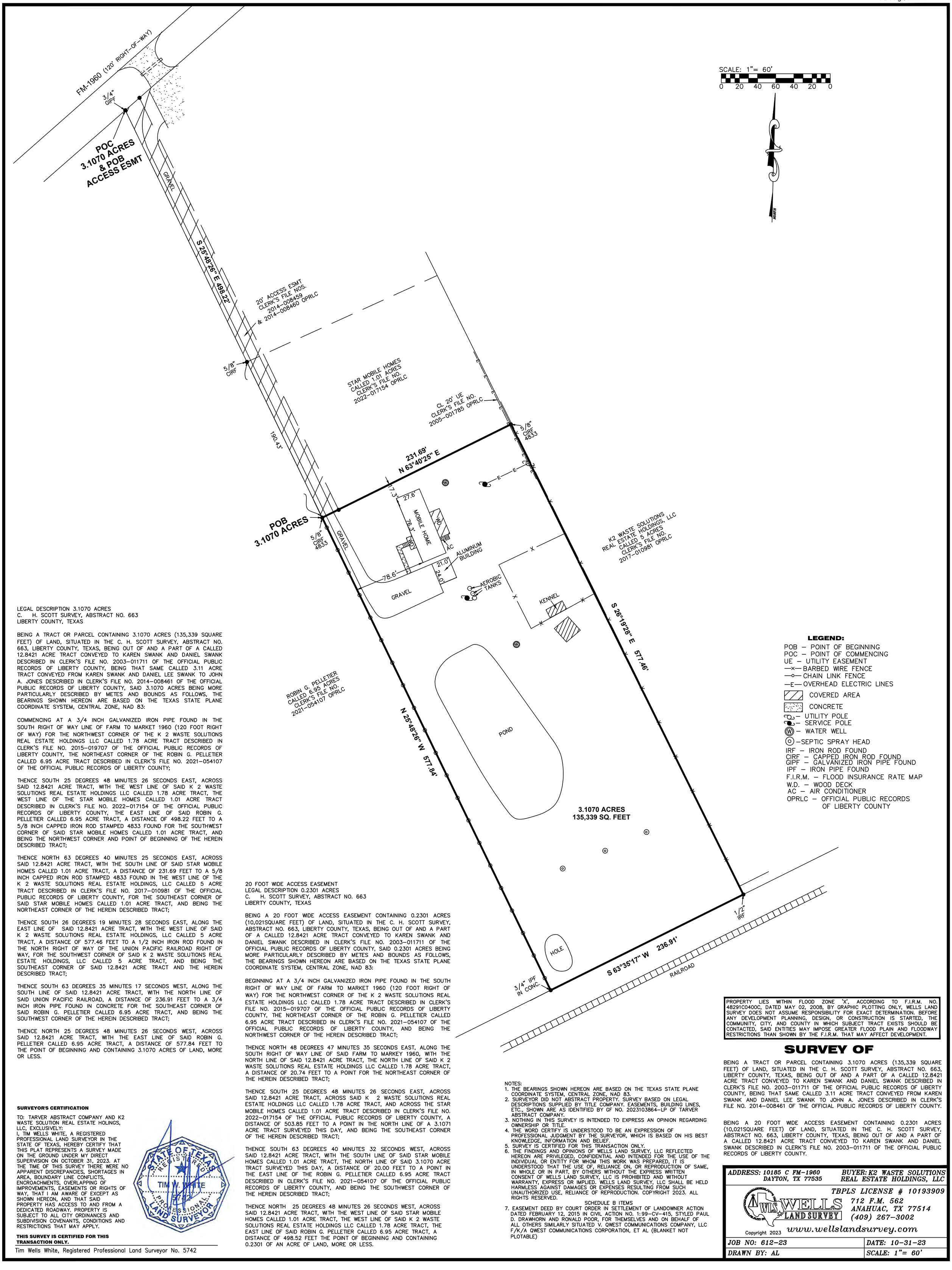
David J Strauss
R.P.L.S. 4833
May 13, 2013
Revised, September 30, 2015 (split 1.78 acre tract)

OWNER	FIELD BOOK	336
KAREN SWANK	FIELD WORK	CS
	DATE	5/13/13
	DRAFTING	mwd
PURCHASER	DATE	5/13/13
	CHECKED	RS
	DATE	5/13/13
	MTGC. CO.	
ADDRESS	TITLE CO.	
	G.F. NO.	
10188 FM 1960 EAST	SCALE	1"=50'
DAYTON, TX. 77535	KEY MAP	N/A
	JOB NO.	3336-1001

TOWN & COUNTRY SURVEYORS, LLC
25207 NORTH FREEWAY, SUITE 100
THE WOODLANDS, TX 77389
(281)419-5710
FAX (281)465-8701

SHEET 1 OF 1

BOUNDARY SURVEY
OF A
1.00 ACRE (43,560 SQ. FT.) TRACT
AND A
0.78 ACRE (34,045 SQ. FT.)
IN THE
GILBERT BROOKS SURVEY, A-987
AND THE
C.M. SCOTT SURVEY, A-663
LIBERTY COUNTY, TEXAS



LEGAL DESCRIPTION 3.1070 ACRES
C. H. SCOTT SURVEY, ABSTRACT NO. 663
LIBERTY COUNTY, TEXAS

BEING A TRACT OR PARCEL CONTAINING 3.1070 ACRES (135,339 SQUARE FEET) OF LAND, SITUATED IN THE C. H. SCOTT SURVEY, ABSTRACT NO. 663, LIBERTY COUNTY, TEXAS, BEING OUT OF AND A PART OF A CALLED 12.8421 ACRE TRACT CONVEYED TO KAREN SWANK AND DANIEL SWANK DESCRIBED IN CLERK'S FILE NO. 2003-011711 OF THE OFFICIAL PUBLIC RECORDS OF LIBERTY COUNTY, BEING THAT SAME CALLED 3.11 ACRE TRACT CONVEYED FROM KAREN SWANK AND DANIEL LEE SWANK TO JOHN A. JONES DESCRIBED IN CLERK'S FILE NO. 2014-008461 OF THE OFFICIAL PUBLIC RECORDS OF LIBERTY COUNTY, SAID 3.1070 ACRES BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS, THE BEARINGS SHOWN HEREON ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 83:

COMMENCING AT A 3/4 INCH GALVANIZED IRON PIPE FOUND IN THE SOUTH RIGHT OF WAY LINE OF FARM TO MARKET 1960 (120 FOOT RIGHT OF WAY) FOR THE NORTHWEST CORNER OF THE K 2 WASTE SOLUTIONS REAL ESTATE HOLDINGS LLC CALLED 1.78 ACRE TRACT DESCRIBED IN CLERK'S FILE NO. 2015-019707 OF THE OFFICIAL PUBLIC RECORDS OF LIBERTY COUNTY, THE NORTHEAST CORNER OF THE ROBIN G. PELLETIER CALLED 6.95 ACRE TRACT DESCRIBED IN CLERK'S FILE NO. 2021-054107 OF THE OFFICIAL PUBLIC RECORDS OF LIBERTY COUNTY;

THENCE SOUTH 25 DEGREES 48 MINUTES 26 SECONDS EAST, ACROSS SAID 12.8421 ACRE TRACT, WITH THE WEST LINE OF SAID K 2 WASTE SOLUTIONS REAL ESTATE HOLDINGS LLC CALLED 1.78 ACRE TRACT, THE WEST LINE OF THE STAR MOBILE HOMES CALLED 1.01 ACRE TRACT DESCRIBED IN CLERK'S FILE NO. 2022-017154 OF THE OFFICIAL PUBLIC RECORDS OF LIBERTY COUNTY, THE EAST LINE OF SAID ROBIN G. PELLETIER CALLED 6.95 ACRE TRACT, A DISTANCE OF 498.22 FEET TO A 5/8 INCH CAPPED IRON ROD STAMPED 4833 FOUND FOR THE SOUTHWEST CORNER OF SAID STAR MOBILE HOMES CALLED 1.01 ACRE TRACT, AND BEING THE NORTHWEST CORNER AND POINT OF BEGINNING OF THE HEREIN DESCRIBED TRACT;

THENCE NORTH 63 DEGREES 40 MINUTES 25 SECONDS EAST, ACROSS SAID 12.8421 ACRE TRACT, WITH THE SOUTH LINE OF SAID STAR MOBILE HOMES CALLED 1.01 ACRE TRACT, A DISTANCE OF 231.69 FEET TO A 5/8 INCH CAPPED IRON ROD STAMPED 4833 FOUND IN THE WEST LINE OF THE K 2 WASTE SOLUTIONS REAL ESTATE HOLDINGS, LLC CALLED 5 ACRE TRACT DESCRIBED IN CLERK'S FILE NO. 2017-010981 OF THE OFFICIAL PUBLIC RECORDS OF LIBERTY COUNTY, FOR THE SOUTHEAST CORNER OF SAID STAR MOBILE HOMES CALLED 1.01 ACRE TRACT, AND BEING THE NORTHEAST CORNER OF THE HEREIN DESCRIBED TRACT;

THENCE SOUTH 26 DEGREES 19 MINUTES 28 SECONDS EAST, ALONG THE EAST LINE OF SAID 12.8421 ACRE TRACT, WITH THE WEST LINE OF SAID K 2 WASTE SOLUTIONS REAL ESTATE HOLDINGS, LLC CALLED 5 ACRE TRACT, A DISTANCE OF 577.46 FEET TO A 1/2 INCH IRON ROD FOUND IN THE NORTH RIGHT OF WAY OF THE UNION PACIFIC RAILROAD RIGHT OF WAY, FOR THE SOUTHWEST CORNER OF SAID K 2 WASTE SOLUTIONS REAL ESTATE HOLDINGS, LLC CALLED 5 ACRE TRACT, AND BEING THE SOUTHEAST CORNER OF SAID 12.8421 ACRE TRACT AND THE HEREIN DESCRIBED TRACT;

THENCE SOUTH 63 DEGREES 35 MINUTES 17 SECONDS WEST, ALONG THE SOUTH LINE OF SAID 12.8421 ACRE TRACT, WITH THE NORTH LINE OF SAID UNION PACIFIC RAILROAD, A DISTANCE OF 236.91 FEET TO A 3/4 INCH IRON PIPE FOUND IN CONCRETE FOR THE SOUTHEAST CORNER OF SAID ROBIN G. PELLETIER CALLED 6.95 ACRE TRACT, AND BEING THE SOUTHWEST CORNER OF THE HEREIN DESCRIBED TRACT;

THENCE NORTH 25 DEGREES 48 MINUTES 26 SECONDS WEST, ACROSS SAID 12.8421 ACRE TRACT, WITH THE EAST LINE OF SAID ROBIN G. PELLETIER CALLED 6.95 ACRE TRACT, A DISTANCE OF 577.84 FEET TO THE POINT OF BEGINNING AND CONTAINING 3.1070 ACRES OF LAND, MORE OR LESS.

SURVEYOR'S CERTIFICATION

TO: TARVER ABSTRACT COMPANY AND K2 WASTE SOLUTION REAL ESTATE HOLINGS, LLC, EXCLUSIVELY:
I, TIM WELLS WHITE, A REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF TEXAS, HEREBY CERTIFY THAT THIS PLAT REPRESENTS A SURVEY MADE ON THE GROUND UNDER MY DIRECT SUPERVISION ON OCTOBER 31, 2023. AT THE TIME OF THIS SURVEY THERE WERE NO APPARENT DISCREPANCIES, SHORTAGES IN AREA, BOUNDARY LINE CONFLICTS, ENCROACHMENTS, OVERLAPPING OF IMPROVEMENTS, EASEMENTS OR RIGHTS OF WAY, THAT I AM AWARE OF EXCEPT AS SHOWN HEREON, AND THAT SAID PROPERTY HAS ACCESS TO AND FROM A DEDICATED ROADWAY. PROPERTY IS SUBJECT TO ALL CITY ORDINANCES AND SUBDIVISION COVENANTS, CONDITIONS AND RESTRICTIONS THAT MAY APPLY.

THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

Tim Wells White, Registered Professional Land Surveyor No. 5742

20 FOOT WIDE ACCESS EASEMENT
LEGAL DESCRIPTION 0.2301 ACRES
C. H. SCOTT SURVEY, ABSTRACT NO. 663
LIBERTY COUNTY, TEXAS

BEING A 20 FOOT WIDE ACCESS EASEMENT CONTAINING 0.2301 ACRES (10,021SQUARE FEET) OF LAND, SITUATED IN THE C. H. SCOTT SURVEY, ABSTRACT NO. 663, LIBERTY COUNTY, TEXAS, BEING OUT OF AND A PART OF A CALLED 12.8421 ACRE TRACT CONVEYED TO KAREN SWANK AND DANIEL SWANK DESCRIBED IN CLERK'S FILE NO. 2003-011711 OF THE OFFICIAL PUBLIC RECORDS OF LIBERTY COUNTY, SAID 0.2301 ACRES BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS, THE BEARINGS SHOWN HEREON ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 83:

BEGINNING AT A 3/4 INCH GALVANIZED IRON PIPE FOUND IN THE SOUTH RIGHT OF WAY LINE OF FARM TO MARKET 1960 (120 FOOT RIGHT OF WAY) FOR THE NORTHWEST CORNER OF THE K 2 WASTE SOLUTIONS REAL ESTATE HOLDINGS LLC CALLED 1.78 ACRE TRACT DESCRIBED IN CLERK'S FILE NO. 2015-019707 OF THE OFFICIAL PUBLIC RECORDS OF LIBERTY COUNTY, THE NORTHEAST CORNER OF THE ROBIN G. PELLETIER CALLED 6.95 ACRE TRACT DESCRIBED IN CLERK'S FILE NO. 2021-054107 OF THE OFFICIAL PUBLIC RECORDS OF LIBERTY COUNTY, AND BEING THE NORTHWEST CORNER OF THE HEREIN DESCRIBED TRACT;

THENCE NORTH 48 DEGREES 47 MINUTES 35 SECONDS EAST, ALONG THE SOUTH RIGHT OF WAY LINE OF SAID FARM TO MARKEY 1960, WITH THE NORTH LINE OF SAID 12.8421 ACRE TRACT, THE NORTH LINE OF SAID K 2 WASTE SOLUTIONS REAL ESTATE HOLDINGS LLC CALLED 1.78 ACRE TRACT, A DISTANCE OF 20.74 FEET TO A POINT FOR THE NORTHEAST CORNER OF THE HEREIN DESCRIBED TRACT;

THENCE SOUTH 25 DEGREES 48 MINUTES 26 SECONDS EAST, ACROSS SAID 12.8421 ACRE TRACT, ACROSS SAID K 2 WASTE SOLUTIONS REAL ESTATE HOLDINGS LLC CALLED 1.78 ACRE TRACT, AND ACROSS THE STAR MOBILE HOMES CALLED 1.01 ACRE TRACT DESCRIBED IN CLERK'S FILE NO. 2022-017154 OF THE OFFICIAL PUBLIC RECORDS OF LIBERTY COUNTY, A DISTANCE OF 503.85 FEET TO A POINT IN THE NORTH LINE OF A 3.1071 ACRE TRACT SURVEYED THIS DAY, AND BEING THE SOUTHEAST CORNER OF THE HEREIN DESCRIBED TRACT;

THENCE SOUTH 63 DEGREES 40 MINUTES 32 SECONDS WEST, ACROSS SAID 12.8421 ACRE TRACT, WITH THE SOUTH LINE OF SAID STAR MOBILE HOMES CALLED 1.01 ACRE TRACT, THE NORTH LINE OF SAID 3.1070 ACRE TRACT SURVEYED THIS DAY, A DISTANCE OF 20.00 FEET TO A POINT IN THE EAST LINE OF THE ROBIN G. PELLETIER CALLED 6.95 ACRE TRACT DESCRIBED IN CLERK'S FILE NO. 2021-054107 OF THE OFFICIAL PUBLIC RECORDS OF LIBERTY COUNTY, AND BEING THE SOUTHWEST CORNER OF THE HEREIN DESCRIBED TRACT;

THENCE NORTH 25 DEGREES 48 MINUTES 26 SECONDS WEST, ACROSS SAID 12.8421 ACRE TRACT, WITH THE WEST LINE OF SAID STAR MOBILE HOMES CALLED 1.01 ACRE TRACT, THE WEST LINE OF SAID K 2 WASTE SOLUTIONS REAL ESTATE HOLDINGS LLC CALLED 1.78 ACRE TRACT, THE EAST LINE OF SAID ROBIN G. PELLETIER CALLED 6.95 ACRE TRACT, A DISTANCE OF 498.52 FEET THE POINT OF BEGINNING AND CONTAINING 0.2301 OF AN ACRE OF LAND, MORE OR LESS.

NOTES:
1. THE BEARINGS SHOWN HEREON ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 83.
2. SURVEYOR DID NOT ABSTRACT PROPERTY. SURVEY BASED ON LEGAL DESCRIPTIONS SUPPLIED BY TITLE COMPANY. EASEMENTS, BUILDING LINES, ETC., SHOWN ARE AS IDENTIFIED BY GF NO. 2023103864-LP OF TARVER ABSTRACT COMPANY.
3. NOTHING IN THIS SURVEY IS INTENDED TO EXPRESS AN OPINION REGARDING OWNERSHIP OR TITLE.
4. THE WORD CERTIFY IS UNDERSTOOD TO BE AN EXPRESSION OF PROFESSIONAL JUDGMENT BY THE SURVEYOR, WHICH IS BASED ON HIS BEST KNOWLEDGE, INFORMATION AND BELIEF.
5. SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.
6. THE FINDINGS AND OPINIONS OF WELLS LAND SURVEY, LLC REFLECTED HEREON ARE PRIVILEGED, CONFIDENTIAL AND INTENDED FOR THE USE OF THE INDIVIDUAL OR ENTITY FOR WHOM THIS WORK WAS PREPARED, IT IS UNDERSTOOD THAT THE USE OF, RELIANCE ON, OR REPRODUCTION OF SAME, IN WHOLE OR IN PART, BY OTHERS WITHOUT THE EXPRESS WRITTEN CONSENT OF WELLS LAND SURVEY, LLC IS PROHIBITED AND WITHOUT WARRANTY, EXPRESS OR IMPLIED. WELLS LAND SURVEY, LLC SHALL BE HELD HARMLESS AGAINST DAMAGES OR EXPENSES RESULTING FROM SUCH UNAUTHORIZED USE, RELIANCE OF REPRODUCTION. COPYRIGHT 2023. ALL RIGHTS RESERVED.

SCHEDULE B ITEMS

7. EASEMENT DEED BY COURT ORDER IN SETTLEMENT OF LANDOWNER ACTION DATED FEBRUARY 12, 2015 IN CIVIL ACTION NO. 1:99-CV-415, STYLED PAUL D. DRAWHORN AND RONALD POOR, FOR THEMSELVES AND ON BEHALF OF ALL OTHERS SIMILARLY SITUATED V. QWEST COMMUNICATIONS COMPANY, LLC F/K/A QWEST COMMUNICATIONS CORPORATION, ET AL (BLANKET NOT PLOTABLE)

LEGEND:

POB – POINT OF BEGINNING
POC – POINT OF COMMENCING
UE – UTILITY EASEMENT
—x— BARBED WIRE FENCE
—o— CHAIN LINK FENCE
—E— OVERHEAD ELECTRIC LINES
COVERED AREA
CONCRETE
– UTILITY POLE
– SERVICE POLE
(W) – WATER WELL
– SEPTIC SPRAY HEAD
IRF – IRON ROD FOUND
CIRF – CAPPED IRON ROD FOUND
GIPF – GALVANIZED IRON PIPE FOUND
IPF – IRON PIPE FOUND
F.I.R.M. – FLOOD INSURANCE RATE MAP
W.D. – WOOD DECK
AC – AIR CONDITIONER
OPRLC – OFFICIAL PUBLIC RECORDS OF LIBERTY COUNTY

PROPERTY LIES WITHIN FLOOD ZONE 'X', ACCORDING TO F.I.R.M. NO. 48291C0400C, DATED MAY 02, 2008, BY GRAPHIC PLOTTING ONLY, WELLS LAND SURVEY DOES NOT ASSUME RESPONSIBILITY FOR EXACT DETERMINATION. BEFORE ANY DEVELOPMENT PLANNING, DESIGN, OR CONSTRUCTION IS STARTED, THE COMMUNITY, CITY, AND COUNTY IN WHICH SUBJECT TRACT EXISTS SHOULD BE CONTACTED, SAID ENTITIES MAY IMPOSE GREATER FLOOD PLAIN AND FLOODWAY RESTRICTIONS THAN SHOWN BY THE F.I.R.M. THAT MAY AFFECT DEVELOPMENT.

SURVEY OF

BEING A TRACT OR PARCEL CONTAINING 3.1070 ACRES (135,339 SQUARE FEET) OF LAND, SITUATED IN THE C. H. SCOTT SURVEY, ABSTRACT NO. 663, LIBERTY COUNTY, TEXAS, BEING OUT OF AND A PART OF A CALLED 12.8421 ACRE TRACT CONVEYED TO KAREN SWANK AND DANIEL SWANK DESCRIBED IN CLERK'S FILE NO. 2003-011711 OF THE OFFICIAL PUBLIC RECORDS OF LIBERTY COUNTY, BEING THAT SAME CALLED 3.11 ACRE TRACT CONVEYED FROM KAREN SWANK AND DANIEL LEE SWANK TO JOHN A. JONES DESCRIBED IN CLERK'S FILE NO. 2014-008461 OF THE OFFICIAL PUBLIC RECORDS OF LIBERTY COUNTY.

BEING A 20 FOOT WIDE ACCESS EASEMENT CONTAINING 0.2301 ACRES (10,021SQUARE FEET) OF LAND, SITUATED IN THE C. H. SCOTT SURVEY, ABSTRACT NO. 663, LIBERTY COUNTY, TEXAS, BEING OUT OF AND A PART OF A CALLED 12.8421 ACRE TRACT CONVEYED TO KAREN SWANK AND DANIEL SWANK DESCRIBED IN CLERK'S FILE NO. 2003-011711 OF THE OFFICIAL PUBLIC RECORDS OF LIBERTY COUNTY.

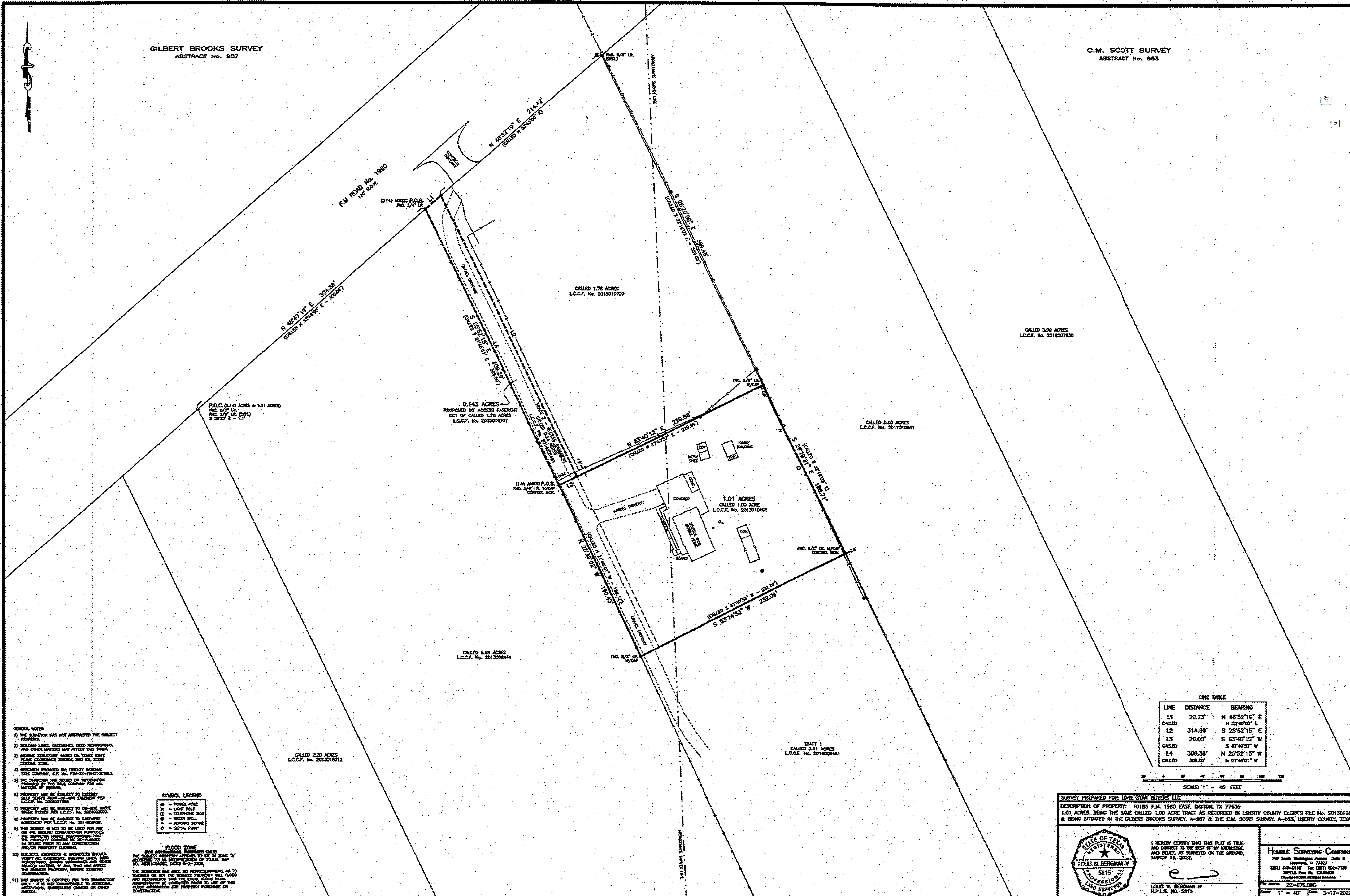
ADDRESS: 10185 C FM-1960 DAYTON, TX 77535
BUYER: K2 WASTE SOLUTIONS REAL ESTATE HOLDINGS, LLC

TBPLS LICENSE # 10193909

WELLS LAND SURVEY
712 F.M. 562
ANAHUAC, TX 77514
(409) 267-3002
www.wellslandsurvey.com

Copyright 2023

JOB NO: 612-23	*DATE: 10-31-23*
DRAWN BY: AL	*SCALE: 1"= 60'*



LINE TABLE

LINE	DISTANCE	BEARING
L1	20.73'	N 46°52'15" E
CALLED		N 52°48'00" E
L2	314.89'	S 25°52'15" E
L3	20.00'	S 63°40'12" W
CALLED		S 67°40'57" W
L4	309.39'	N 25°52'15" W
CALLED	309.30'	N 21°48'01" W

SCALE: 1" = 40 FEET

GENERAL NOTES:

1) THE SURVEYOR HAS NOT ABSTRACTED THE SUBJECT PROPERTY.
2) BUILDING LINES, EASEMENTS, DEED RESTRICTIONS, AND OTHER MATTERS MAY AFFECT THIS TRACT.
3) BEARING STRUCTURE BASED ON TEXAS STATE PLANE COORDINATE SYSTEM, NAD 83, TEXAS CENTRAL ZONE.
4) RESEARCH PROVIDED BY: FIDELITY NATIONAL TITLE COMPANY, G.F. No. [illegible]
5) THE SURVEYOR HAS RELIED ON INFORMATION PROVIDED BY THE TITLE COMPANY FOR ALL MATTERS OF RECORD.
6) PROPERTY MAY BE SUBJECT TO [illegible] RIGHT-OF-WAY EASEMENT PER L.C.C.F. No. [illegible]
7) PROPERTY MAY BE SUBJECT TO ON-SITE WASTE WATER SYSTEM PER L.C.C.F. No. [illegible]
8) PROPERTY MAY BE SUBJECT TO EASEMENT AGREEMENT PER L.C.C.F. No. [illegible]
9) THIS SURVEY IS NOT TO BE USED FOR ANY ON THE GROUND CONSTRUCTION PURPOSES. THE SURVEYOR HIGHLY RECOMMENDS THAT THE PROPERTY CORNERS BE RE-FLAGGED 24 HOURS PRIOR TO ANY CONSTRUCTION AND/OR PROPERTY CLEARING.
10) BUILDERS, ENGINEERS & ARCHITECTS SHOULD VERIFY ALL EASEMENTS, BUILDING LINES, DEED RESTRICTIONS, ZONING ORDINANCES AND OTHER RELATED MATTERS, IF ANY, THAT MAY AFFECT THE SUBJECT PROPERTY, BEFORE STARTING CONSTRUCTION.
11) THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY. IT IS NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS, SUBSEQUENT OWNERS OR OTHER PARTIES.

SYMBOL LEGEND

- = POWER POLE
- = LIGHT POLE
- = TELEPHONE BOX
- = WATER WELL
- = AEROBIC SEPTIC
- = SEPTIC PUMP

FLOOD ZONE
(FOR INFORMATIONAL PURPOSES ONLY)
THE SUBJECT PROPERTY APPEARS TO LIE IN ZONE "X" ACCORDING TO AN INTERPRETATION OF F.I.R.M. MAP NO. [illegible], DATED [illegible].

THE SURVEYOR HAS MADE NO REPRESENTATIONS AS TO WHETHER OR NOT THE SUBJECT PROPERTY WILL FLOOD AND RECOMMENDS THAT THE LOCAL FLOOD PLAIN ADMINISTRATOR BE CONTACTED PRIOR TO USE OF THIS FLOOD INFORMATION FOR PROPERTY PURCHASE OR CONSTRUCTION.

SURVEY PREPARED FOR: LONE STAR BUYERS LLC

DESCRIPTION OF PROPERTY: 10185 F.M. 1960 EAST, DAYTON, TX 77535
1.01 ACRES, BEING THE SAME CALLED 1.00 ACRE TRACT AS RECORDED IN LIBERTY COUNTY CLERK'S FILE No. 2013010690 & BEING SITUATED IN THE GILBERT BROOKS SURVEY, A-987 & THE C.M. SCOTT SURVEY, A-663, LIBERTY COUNTY, TEXAS.

STATE OF TEXAS — REGISTERED — LOUIS W. BERGMAN IV — 5815 — PROFESSIONAL LAND SURVEYOR

I HEREBY CERTIFY THAT THIS PLAT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AS SURVEYED ON THE GROUND, MARCH 16, 2022.

LOUIS W. BERGMAN IV
R.P.L.S. NO. 5815

HUMBLE SURVEYING COMPANY

File Name: 22-076.DWG
Scale: 1" = 40'
Date: 3-17-2022
Drawn by: FG
Surveyed by: AG--JL--GH

Docusign Envelope ID: C9A0C6AE-7033-439F-AB70-7A46A2ECD83B

HUMBLE SURVEYING COMPANY

709 South Washington Avenue, Suite B
Cleveland, Texas 77327
Phone: (281) 446-0118 Fax: (281) 592-7136
TBPELS Firm No. 10114600

LEGAL DESCRIPTION

1.01 ACRE TRACT

BEING ALL THAT CERTAIN TRACT OR PARCEL OF LAND CONTAINING **1.01** ACRES SITUATED IN THE *GILBERT BROOKS SURVEY, ABSTRACT No. 987* AND THE *C.M. SCOTT SURVEY, ABSTRACT No. 663, LIBERTY COUNTY, TEXAS,* AND BEING THE SAME CALLED 1.00 ACRE TRACT AS RECORDED IN LIBERTY COUNTY CLERK'S FILE (L.C.C.F.) No. 2013010690; SAID **1.01** ACRE TRACT BEING MORE PARTICULARLY DECRIBED BY METES AND BOUNDS AS FOLLOWS, TO-WIT:

COMMENCING at a 5/8 inch iron rod found in the southeast margin of F.M. Road No. 1960 (120 foot R.O.W.) for the north corner of a called 2.20 acre tract as recorded in L.C.C.F. No. 2013018512, same being the west corner of a called 6.95 acre tract as recorded in L.C.C.F. No. 2013008444, from which a found 3/8 inch disturbed iron rod bears: South 28 degrees 25 minutes East, a distance of 1.1 feet;

THENCE North 48 degrees 47 minutes 19 seconds East, a distance of 304.88 feet (called North 52 degrees 48 minutes 00 seconds East, a distance of 305.06 feet) with the southeast margin of said F. M. Road No. 1960 to a 3/4 inch iron pipe found for the west corner of a called 1.78 acre tract as recorded in L.C.C.F. No. 2015019707;

THENCE South 25 degrees 52 minutes 15 seconds East, a distance of 309.39 feet (called South 21 degrees 48 minutes 01 seconds East, a distance of 309.50 feet) with the northeast line of said 6.95 acre tract, same being the southwest line of said 1.78 acre tract to a 5/8 inch iron rod with cap found for the south corner of said 1.78 acre tract, same being the west corner and **POINT OF BEGINNING** of this herein described tract;

THENCE North 63 degrees 40 minutes 12 seconds East, a distance of 229.86 feet (called North 67 degrees 40 minutes 57 seconds East, a distance of 229.99 feet) with the southeast line of said 1.78 acre tract to a 5/8 inch iron rod with cap found in the southwest line of a called 5.00 acre tract as recorded in L.C.C.F. No. 2017010981 for the east corner of said 1.78 acre tract, same being the north corner of this herein described tract;

THENCE South 26 degrees 19 minutes 21 seconds East, a distance of 188.71 feet (called South 22 degrees 19 minutes 03 seconds East) with the southwest line of said 5.00 acre tract to a 5/8 inch iron rod with cap found for the north corner of a called 3.11 acre tract, called Tract 1 as recorded in L.C.C.F. No. 2014008461, same being the east corner of this herein described tract;

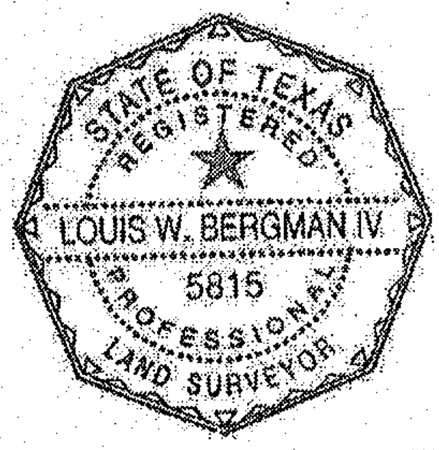
THENCE South 63 degrees 14 minutes 53 seconds West, a distance of 232.09 feet (called South 67 degrees 40 minutes 57 seconds West, a distance of 231.69 feet) with the northwest line of said 3.11 acre tract to a 5/8 inch iron rod with cap found in the northeast line of said 6.95 acre tract for the west corner of said 3.11 acre tract, same being the south corner of this herein described tract;

THENCE North 25 degrees 39 minutes 02 seconds West, a distance of 190.43 feet (called North 21 degrees 48 minutes 01 seconds West, a distance of 188.72 feet) with the northeast line of said 6.95 acre tract to the **POINT OF BEGINNING** and containing **1.01** acres.

BEARING STRUCTURE BASED ON TEXAS STATE PLANE COORDINATE SYSTEM, NAD 83, TEXAS CENTRAL ZONE. ALL SET 5/8 INCH IRON RODS ARE MARKED WITH CAP STAMPED "RPLS 5815".

I hereby certify this metes and bounds is true and correct to the best of my knowledge, and belief, as surveyed on the ground, March 16, 2022.

Louis W. Bergman, IV
R.P.L.S. No. 5815
22-076



Docusign Envelope ID: C9A0C6AE-7033-439F-AB70-7A46A2ECD83B

HUMBLE SURVEYING COMPANY

709 South Washington Avenue, Suite B
Cleveland, Texas 77327
Phone: (281) 446-0118 Fax: (281) 592-7136
TBPELS Firm No. 10114600

LEGAL DESCRIPTION

ACCESS EASEMENT
0.143 ACRES

BEING ALL THAT CERTAIN ACCESS EASEMENT CONTAINING **0.143** ACRES SITUATED IN THE *GILBERT BROOKS SURVEY, ABSTRACT No. 987, LIBERTY COUNTY, TEXAS,* AND BEING OUT OF A CALLED 1.78 ACRE TRACT AS RECORDED IN LIBERTY COUNTY CLERK'S FILE (L.C.C.F.) No. 2015019707; SAID **0.143** ACRE ACCESS EASEMENT BEING MORE PARTICULARLY DECRIBED BY METES AND BOUNDS AS FOLLOWS, TO-WIT:

COMMENCING at a 5/8 inch iron rod found in the southeast margin of F.M. Road No. 1960 (120 foot R.O.W.) for the north corner of a called 2.20 acre tract as recorded in L.C.C.F. No. 2013018512, same being the west corner of a called 6.95 acre tract as recorded in L.C.C.F. No. 2013008444, from which a found 3/8 inch disturbed iron rod bears: South 28 degrees 25 minutes East, a distance of 1.1 feet;

THENCE North 48 degrees 47 minutes 19 seconds East, a distance of 304.88 feet (called North 52 degrees 48 minutes 00 seconds East, a distance of 305.06 feet) with the southeast margin of said F. M. Road No. 1960 to a 3/4 inch iron pipe found for the west corner of said 1.78 acre tract, same being the west corner and **POINT OF BEGINNING** of this herein described access easement;

THENCE North 48 degrees 52 minutes 19 seconds East, a distance of 20.73 feet (called North 52 degrees 48 minutes 00 seconds East) with the southeast margin of said F.M. Road No. 1960, same being the northwest line of said 1.78 acre tract to a point for the north corner of this herein described access easement;

THENCE South 25 degrees 52 minutes 15 seconds East, a distance of 314.69 feet across said 1.78 acre tract to a point in the northwest line of a called 1.00 acre tract as recorded in L.C.C.F. No. 2013010690, same being the southeast line of said 1.78 acre tract for the east corner of this herein described access easement;

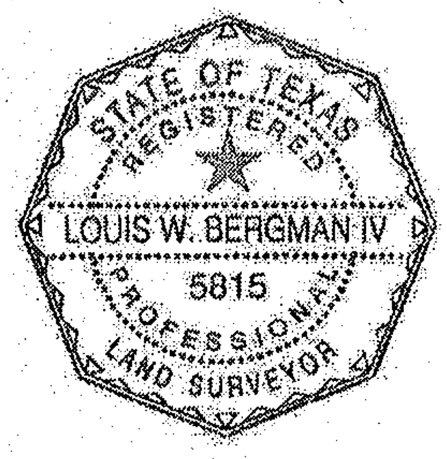
THENCE South 63 degrees 40 minutes 12 seconds West, a distance of 20.00 feet (called South 67 degrees 40 minutes 57 seconds West) with the northwest line of said 1.00 acre tract, same being the southeast line of said 1.78 acre tract to a 5/8 inch iron rod with cap found in the northeast line of said 6.95 acre tract for the west corner of said 1.00 acre tract, same being the common south corner of said 1.78 acre tract and this herein described access easement;

THENCE North 25 degrees 52 minutes 15 seconds West, a distance of 309.39 feet (called North 21 degrees 48 minutes 01 seconds West, a distance of 309.50 feet) with the northeast line of said 6.95 acre tract, same being the southwest line of said 1.78 acre tract to the **POINT OF BEGINNING** and containing **0.143** acres.

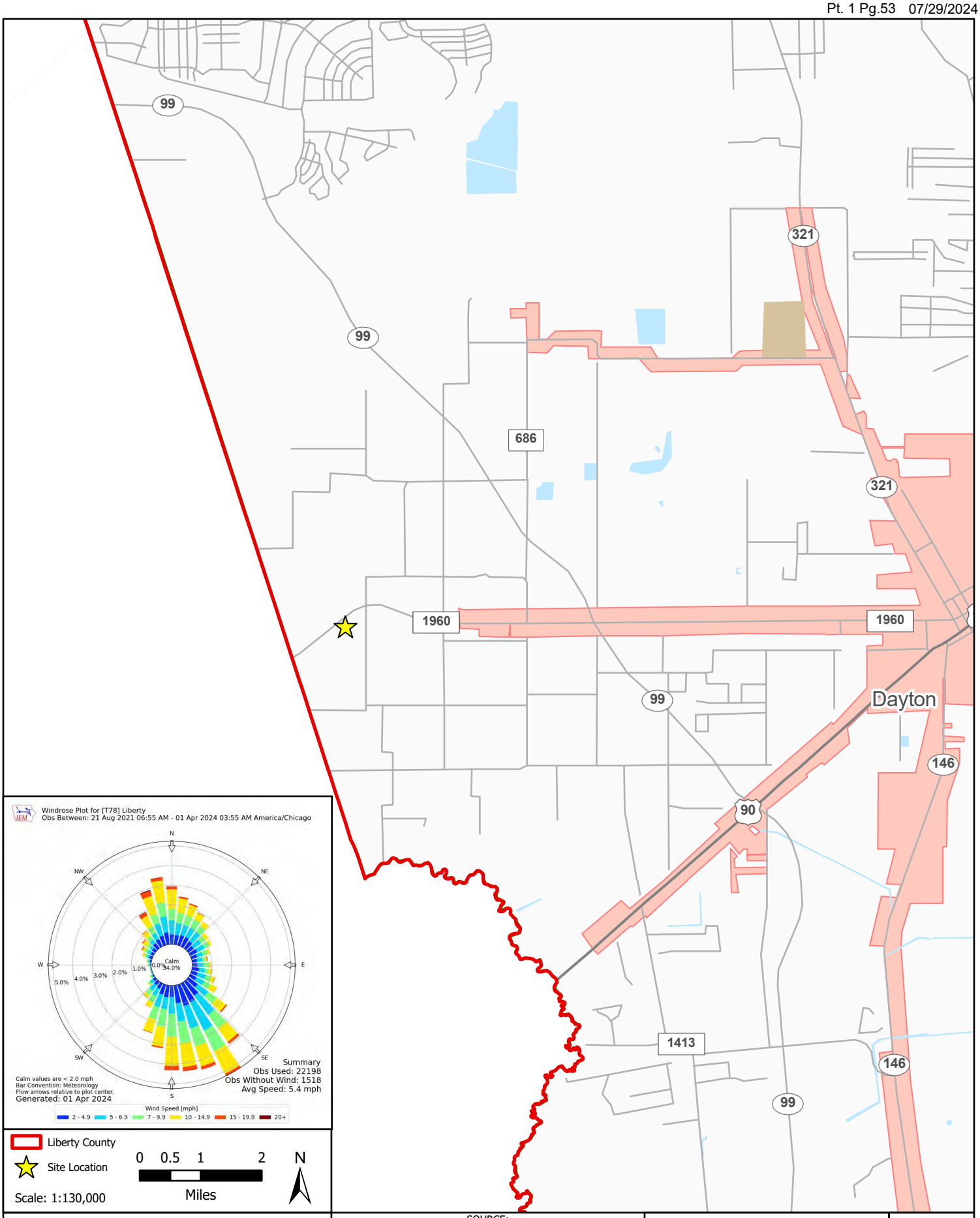
BEARING STRUCTURE BASED ON TEXAS STATE PLANE COORDINATE SYSTEM, NAD 83, TEXAS CENTRAL ZONE. ALL SET 5/8 INCH IRON RODS ARE MARKED WITH CAP STAMPED "RPLS 5815".

I hereby certify this metes and bounds is true and correct to the best of my knowledge, and belief, as surveyed on the ground, March 16, 2022.

Louis W. Bergman, IV
R.P.L.S. No. 5815
22-076



11 MAPS (GENERAL LOCATION, TXDOT COUNTY, TOPOGRAPHIC)



RABA KISTNER
1011 W. Lewis Street, Conroe, TX 77301
P 281.210.0084
TBPE Firm F-3257
TBPG Firm 50220

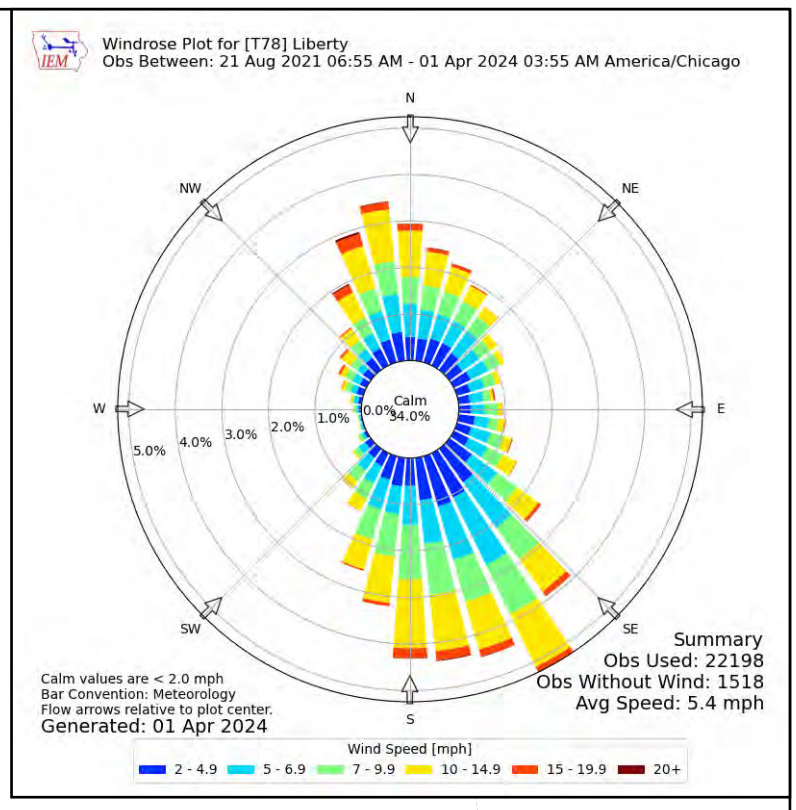
SOURCE:
WINDROSE map obtained from Iowa State University, Iowa Environmental Mesonet.
Basemap: TxDOT Vector Tile Basemap

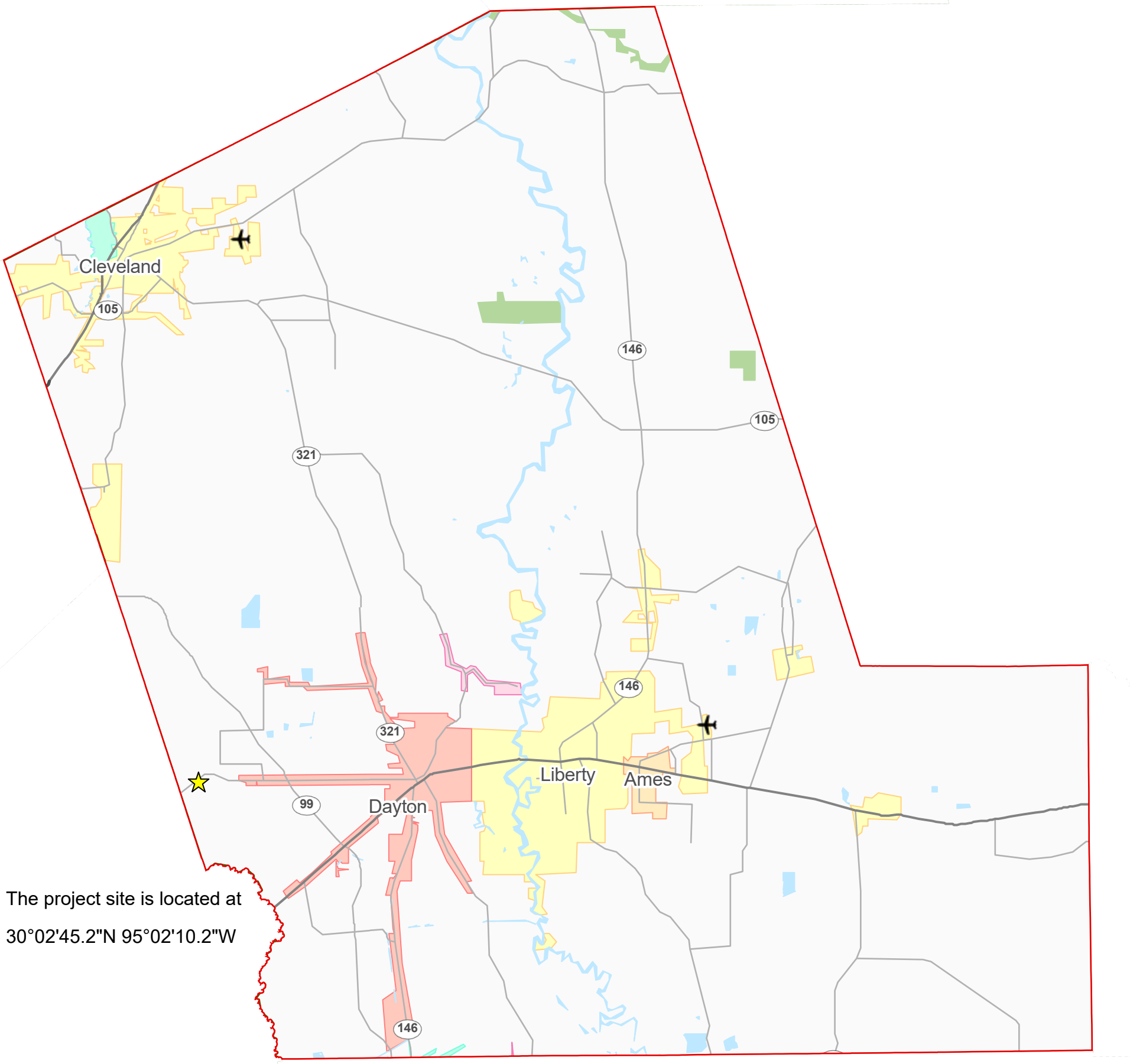
Drawn By: KFR
Issue Date: 05/10/2024
RKI Project Number: AHF2300405

K2 WASTE SOLUTIONS LLC
GENERAL LOCATION MAP / WINDROSE
Transfer Station
10185 FM 1960
Dayton, Liberty County, Texas 77535

FIGURE 1

Liberty County
Site Location
Airport
Scale: 1:330,000
0 2.5 5
Miles
N





The project site is located at

30°02'45.2"N 95°02'10.2"W

RABA KISTNER
1011 W. Lewis Street, Conroe, TX 77301
P 281.210.0084
TBPE Firm F-3257
TBPG Firm 50220

SOURCE:
WINDROSE map obtained from Iowa State University, Iowa Environmental Mesonet.
Basemap: TxDOT Vector Tile Basemap

Drawn By: KFR
Issue Date: 05/10/2024
RKI Project Number: AHF2300405

K2 WASTE SOLUTIONS LLC

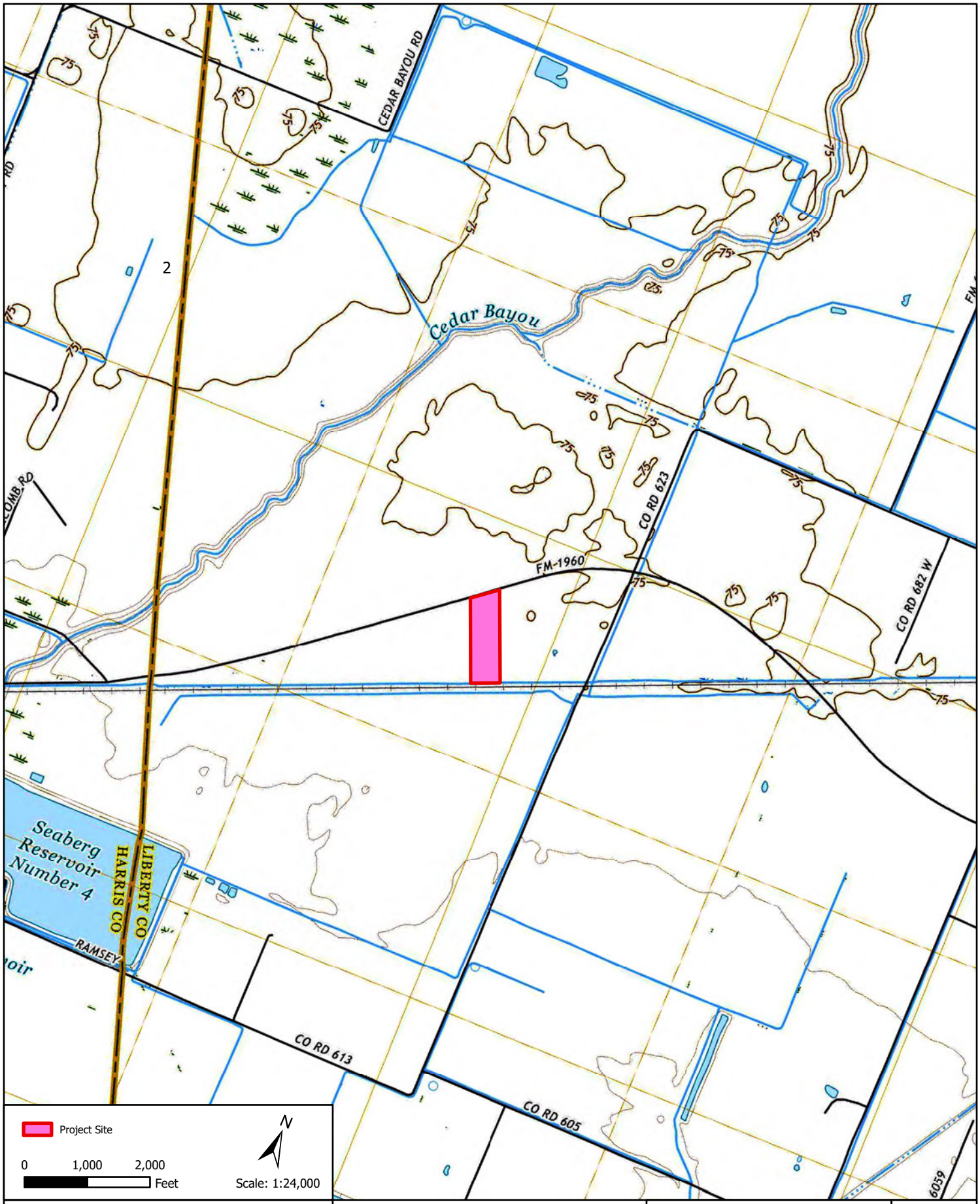
GENERAL LOCATION MAP / WINDROSE

Transfer Station

10185 FM 1960
Dayton, Liberty County, Texas 77535

FIGURE

2



RABA KISTNER
1011 W. Lewis Street, Conroe, TX 77301
P 281.210.0084
TBPE Firm F-3257
TBPG Firm 50220

SOURCE:
1) USGS 7.5 Minute Topographic Map, Huffman, Texas Quadrangle (2022)

Drawn By: KFR
Issue Date: 08/26/2024
RKI Project Number: AHF2300405

K2 WASTE SOLUTIONS LLC
USGS TOPOGRAPHIC MAP
Transfer Station
10185 FM 1960
Dayton, Liberty County, Texas 77535

FIGURE 3

12 PLAIN LANGUAGE SUMMARY FORM, TCEQ-20947

Texas Commission on Environmental Quality

Plain Language Summary of Municipal Solid Waste Permit or Permit Amendment Application

Applicants are required by public notice rules in Title 30 Texas Administrative Code, Chapter 39, Section 39.405(k)[1] to provide this summary of an application.

A. Purpose of the Proposed Facility

La instalación será una instalación de transferencia y recolección Tipo V. Los camiones recolectores recogerán los RSU y los transportarán a la estación de transferencia propuesta, donde serán transferidos a camiones más grandes para transportarlos a un vertedero autorizado para su disposició

B. Information About the Applicant

Name: Soluciones de residuos K2, LLC

Applicant Type: Corporación

Facility Name: Estación de transferencia de residuos K2 Waste Solutions, LLC

Permit Application Number: 2394A

Customer Number (CN): CN604942383

Regulated Entity Reference Number (RN): RN109452870

C. Location of the Proposed Facility

Facility Address (or description of site location if no address):

10177 FM 1960
Dayton, TX 77535-6094

Link to Map of Facility Location (TCEQ Location Mapper[2]): https://arcg.is/0jjCXP

D. Information about Facility Operation

What types of waste would be received?

Residuos sólidos urbanos de origen residencial, comercial, industrial, así como residuos de construcción y demolición. No se aceptarán residuos peligrosos ni residuos especiales.

What geographical area would the wastes come from?

Condados de Liberty, Harris, San Jacinto, Montgomery y Chambers

[1] www.tceq.texas.gov/goto/view-30tac
[2] www.tceq.texas.gov/gis/hb-610-viewer

What days and hours would the facility operate?

El horario de recepción de residuos es de lunes a sábado de 6 am a 6 pm
El procesamiento y carga de residuos se realizará de lunes a sábado de 5 am a 9 pm

At what rate would wastes be accepted?

La instalación no aceptará desechos líquidos. No hay un máximo diario, sin embargo, la instalación no excederá el límite propuesto de 1.500 toneladas por día.

How would wastes be managed?

Esta será una instalación de recolección y transferencia. Los desechos se recolectarán en áreas residenciales, comerciales e industriales, luego se transferirán a una estación de transferencia propuesta y se eliminarán por completo en un vertedero aprobado por la TCEQ.

E. Pollution Control Methods

What methods would the facility use for containing wastes and odors, and monitoring for releases?

Los operadores de la puerta de entrada y del equipo estarán capacitados para detectar y rechazar cargas que contengan materiales con olores fuertes. Se ubicará una cámara encima de la escala de entrada. Si se ven elementos en el contenedor de basura que pueden causar olores fuertes cuando la cámara revisa la carga, también se puede rechazar antes de tirarlo. Después de descargar una carga aceptada, los residuos se clasificarán inmediatamente en contenedores de basura o remolques de transferencia. Luego, los contenedores cargados se recogen y transportan a un vertedero aprobado por la TCEQ para su eliminación o a una instalación de reciclaje autorizada para su procesamiento.

What methods would the facility use or require for preventing litter or spills, and for cleanup of litter and spills?

Al descubrir un derrame, la instalación dejará de operar. el operador de la máquina utilizará absorbentes o tierra para contener el derrame y se podrán colocar sacos de arena alrededor del área. El líquido será evaluado para determinar si es peligroso. Si es peligroso, el área se aislará para una investigación profesional. Si no son peligrosos, los absorbentes y bolsas de arena utilizados se eliminarán en un vertedero o instalación de procesamiento de lodos aprobado por la TCEQ. Se limpiará el área del derrame y se eliminarán los materiales de limpieza de acuerdo con las regulaciones de la TCEQ.

Comisión de Calidad Ambiental de Texas

Resumen en lenguaje sencillo de la solicitud de permiso municipal de residuos sólidos o de modificación del permiso

Los solicitantes están obligados por las normas de notificación pública del Título 30 del Código Administrativo de Texas, Capítulo 39, Sección 39.405(k)[1] a proporcionar este resumen de una solicitud.

A. Objetivo de la instalación propuesta

La instalación será una instalación de transferencia y recolección Tipo V. Los camiones recolectores recogerán los RSU y los transportarán a la estación de transferencia propuesta, donde serán transferidos a camiones más grandes para transportarlos a un vertedero autorizado para su disposició

B. Información sobre el solicitante

Nombre: Soluciones de residuos K2, LLC

Tipo de solicitante: Corporación

Nombre de la instalación: Estación de transferencia de residuos K2 Waste Solutions, LLC

Número de solicitud de permiso: 2394A

Número de cliente (CN): CN604942383

Número de referencia de la entidad regulada (RN): RN109452870

C. Ubicación de la instalación propuesta

Dirección del establecimiento (o descripción de la ubicación del sitio si no hay dirección):

10177 FM 1960
Dayton, TX 77535-6094

Enlace al mapa de ubicación de las instalaciones en TCEQ Location Mapper[2]:

https://arcg.is/0jjCXP

D. Información sobre el funcionamiento de las instalaciones

¿Qué tipos de residuos se recibirían?

Residuos sólidos urbanos de origen residencial, comercial, industrial, así como residuos de construcción y demolición. No se aceptarán residuos peligrosos ni residuos especiales.

¿De qué zona geográfica procederían los residuos?

Condados de Liberty, Harris, San Jacinto, Montgomery y Chambers

[1] www.tceq.texas.gov/goto/view-30tac
[2] www.tceq.texas.gov/gis/hb-610-viewer

¿Qué días y horas funcionará la instalación?

El horario de recepción de residuos es de lunes a sábado de 6 am a 6 pm
El procesamiento y carga de residuos se realizará de lunes a sábado de 5 am a 9 pm

¿A qué ritmo se aceptarían los residuos?

La instalación no aceptará desechos líquidos. No hay un máximo diario, sin embargo, la instalación no excederá el límite propuesto de 1.500 toneladas por día.

¿Cómo se gestionarían los residuos?

Esta será una instalación de recolección y transferencia. Los desechos se recolectarán en áreas residenciales, comerciales e industriales, luego se transferirán a una estación de transferencia propuesta y se eliminarán por completo en un vertedero aprobado por la TCEQ.

E. Métodos de control de la contaminación

¿Qué métodos utilizará la instalación para contener los residuos y los olores, y para controlar las emisiones?

Los operadores de la puerta de entrada y del equipo estarán capacitados para detectar y rechazar cargas que contengan materiales con olores fuertes. Se ubicará una cámara encima de la escala de entrada. Si se ven elementos en el contenedor de basura que pueden causar olores fuertes cuando la cámara revisa la carga, también se puede rechazar antes de tirarlo. Después de descargar una carga aceptada, los residuos se clasificarán inmediatamente en contenedores de basura o remolques de transferencia. Luego, los contenedores cargados se recogen y transportan a un vertedero aprobado por la TCEQ para su eliminación o a una instalación de reciclaje autorizada para su procesamiento.

¿Qué métodos utilizaría o exigiría la instalación para evitar la basura o los derrames, y para la limpieza de la basura y los derrames?

Al descubrir un derrame, la instalación dejará de operar. el operador de la máquina utilizará absorbentes o tierra para contener el derrame y se podrán colocar sacos de arena alrededor del área. El líquido será evaluado para determinar si es peligroso. Si es peligroso, el área se aislará para una investigación profesional. Si no son peligrosos, los absorbentes y bolsas de arena utilizados se eliminarán en un vertedero o instalación de procesamiento de lodos aprobado por la TCEQ. Se limpiará el área del derrame y se eliminarán los materiales de limpieza de acuerdo con las regulaciones de la TCEQ.

13 PUBLIC INVOLVEMENT PLAN FORM, TCEQ-20960

Texas Commission on Environmental Quality

Public Involvement Plan Form for Permit and Registration Applications

The Public Involvement Plan is intended to provide applicants and the agency with information about how public outreach will be accomplished for certain types of applications in certain geographical areas of the state. It is intended to apply to new activities; major changes at existing plants, facilities, and processes; and to activities which are likely to have significant interest from the public. This preliminary screening is designed to identify applications that will benefit from an initial assessment of the need for enhanced public outreach.

All applicable sections of this form should be completed and submitted with the permit or registration application. For instructions on how to complete this form, see TCEQ-20960-inst.

Section 1. Preliminary Screening

☐ New Permit or Registration Application

☒ New Activity – modification, registration, amendment, facility, etc. (see instructions)

If neither of the above boxes are checked, completion of the form is not required and does not need to be submitted.

Section 2. Secondary Screening

☒ Requires public notice,

☒ Considered to have significant public interest, **and**

☒ Located within any of the following geographical locations:

- Austin
- Dallas
- Fort Worth
- Houston
- San Antonio
- West Texas
- Texas Panhandle
- Along the Texas/Mexico Border
- Other geographical locations should be decided on a case-by-case basis

If all the above boxes are not checked, a Public Involvement Plan is not necessary. Stop after Section 2 and submit the form.

☐ Public Involvement Plan not applicable to this application. Provide **brief** explanation.

Section 3. Application Information

Type of Application (check all that apply):

Air ☐ Initial ☐ Federal ☐ Amendment ☐ Standard Permit ☐ Title V

Waste ☒ Municipal Solid Waste ☐ Industrial and Hazardous Waste ☐ Scrap Tire
☐ Radioactive Material Licensing ☐ Underground Injection Control

Water Quality

☐ Texas Pollutant Discharge Elimination System (TPDES)

- ☐ Texas Land Application Permit (TLAP)
- ☐ State Only Concentrated Animal Feeding Operation (CAFO)
- ☐ Water Treatment Plant Residuals Disposal Permit

☐ Class B Biosolids Land Application Permit

☐ Domestic Septage Land Application Registration

Water Rights New Permit

☐ New Appropriation of Water

☐ New or existing reservoir

Amendment to an Existing Water Right

☐ Add a New Appropriation of Water

☐ Add a New or Existing Reservoir

☐ Major Amendment that could affect other water rights or the environment

Section 4. Plain Language Summary

Provide a brief description of planned activities.

Facility will be a Type V transfer and collection facility. Collection trucks will collect MSW and transport it to the proposed transfer station where it will be transferred to larger trucks for transport to a permitted landfill for final disposal. Maintenance and refueling activities, including occasional welding and cleaning, of trucks will also take place at this facility.

Section 5. Community and Demographic Information

Community information can be found using EPA's EJ Screen, U.S. Census Bureau information, or generally available demographic tools.

Information gathered in this section can assist with the determination of whether alternative language notice is necessary. Please provide the following information.

Dayton

(City)

Liberty

(County)

48291701000

(Census Tract)

Please indicate which of these three is the level used for gathering the following information.

☐ City ☐ County ☒ Census Tract

(a) Percent of people over 25 years of age who at least graduated from high school

68%

(b) Per capita income for population near the specified location

$28,149

(c) Percent of minority population and percent of population by race within the specified location

Hispanic/Latino 47 %, Black or African American 6 %

(d) Percent of Linguistically Isolated Households by language within the specified location

Spanish - 1.1 % Linguistically Isolated Households

(e) Languages commonly spoken in area by percentage

57 % English, 43 % Spanish,

(f) Community and/or Stakeholder Groups

None identified

(g) Historic public interest or involvement

None identified

Section 6. Planned Public Outreach Activities

(a) Is this application subject to the public participation requirements of Title 30 Texas Administrative Code (30 TAC) Chapter 39?

☒ Yes ☐ No

(b) If yes, do you intend at this time to provide public outreach other than what is required by rule?

☐ Yes ☒ No

If Yes, please describe.

If you answered "yes" that this application is subject to 30 TAC Chapter 39, answering the remaining questions in Section 6 is not required.

(c) Will you provide notice of this application in alternative languages?

☐ Yes ☒ No N/A - disregard check box

Please refer to Section 5. If more than 5% of the population potentially affected by your application is Limited English Proficient, then you are required to provide notice in the alternative language.

If yes, how will you provide notice in alternative languages?

☐ Publish in alternative language newspaper
☐ Posted on Commissioner's Integrated Database Website
☐ Mailed by TCEQ's Office of the Chief Clerk
☐ Other (specify)

(d) Is there an opportunity for some type of public meeting, including after notice?

☒ Yes ☐ No N/A - disregard check box

(e) If a public meeting is held, will a translator be provided if requested?

☒ Yes ☐ No N/A - disregard check box

(f) Hard copies of the application will be available at the following (check all that apply):

☐ TCEQ Regional Office ☐ TCEQ Central Office
☐ Public Place (specify)

Section 7. Voluntary Submittal

For applicants voluntarily providing this Public Involvement Plan, who are not subject to formal public participation requirements.

Will you provide notice of this application, including notice in alternative languages?

☐ Yes ☐ No

What types of notice will be provided?

☐ Publish in alternative language newspaper
☐ Posted on Commissioner's Integrated Database Website
☐ Mailed by TCEQ's Office of the Chief Clerk
☐ Other (specify)

K2 WASTE SOLUTIONS, LLC
WASTE TRANSFER STATION
MSW PERMIT No. 2394A

MAJOR PERMIT AMENDMENT
PART II

PREPARED BY:

RABA KISTNER, INC.
19111 NORTH DALLAS PARKWAY, SUITE 310
DALLAS, TX 75287

RKI PROJECT NO. AHF2300405

JULY 2024
REV. SEPT. 2024

September 9, 2024

Project No. AHF2300405
K2 Waste Solutions, LLC Waste Transfer Station – Part II

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ATTACHMENTS

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ATTACHMENT II-G: FLOOD PLAIN MAP
ATTACHMENT II-H: CORRESPONDENCE

PROFESSIONAL ENGINEER (P.E.) CERTIFICATION:

SIGNATURE: H M Barrett

NAME: Howard M. Barrett, PE

COMPANY: Raba Kistner, Inc.

TITLE: Vice President / Principal Engineer, PE

DATE: September 9, 2024

P.E. Registration Number
Texas No. 126292

Project No. AHF2300405
K2 Waste Solutions, LLC Waste Transfer Station – Part II

SECTION 1: EXISTING CONDITIONS SUMMARY [30 TAC §330.61(a)]

This application is for a proposed solid waste transfer facility to be located on a 10.7 acre site located approximately 1.6 miles west of the City of Dayton, Texas along FM 1960. This facility is located slightly beyond the extraterritorial jurisdiction of the City of Dayton.

The transfer station will be owned by K2 Waste Real Estate Holdings, LLC and operated by K2 Waste Solutions, LLC, the applicant herein. In terms of environmental features, it should be noted that the northern portion of the site is currently commercially developed and the southern portion of the site is currently undeveloped. The developed portion of the site is occupied by buildings, gravel driveway, paved parking area, and appurtenances. The undeveloped portion of the site is grassed with scattered brush and has a man-made retention pond located in the southwest corner of the site.

It should be noted that the site will be operated by K2 Waste Solutions, LLC, which currently operates a solid waste hauling facility on the property located adjacent to the project site's western boundary. As such, the permitting of this facility is not expected to have any additional impact on the surrounding area. The permitting of this facility will not impact threatened or endangered species or their critical habitat. The site is not located within a floodplain. The facility will comply with Texas Pollutant Discharge Elimination System (TPDES) stormwater permitting requirements and is therefore not expected to impact surface or groundwater resources.

Project No. AHF2300405
K2 Waste Solutions, LLC Waste Transfer Station – Part II

SECTION 1: EXISTING CONDITIONS SUMMARY [30 TAC §330.61(a)]

This application is for a proposed solid waste transfer facility to be located on a 9.7 acre site located approximately 1.6 miles west of the City of Dayton, Texas along FM 1960. This facility is located slightly beyond the extraterritorial jurisdiction of the City of Dayton.

The transfer station will be owned by K2 Waste Real Estate Holdings, LLC and operated by K2 Waste Solutions, LLC, the applicant herein. In terms of environmental features, it should be noted that the northern portion of the site is currently commercially developed and the southern portion of the site is currently undeveloped. The developed portion of the site is occupied by buildings, gravel driveway, paved parking area, and appurtenances. The undeveloped portion of the site is grassed with scattered brush and has a man-made retention pond located in the southwest corner of the site.

It should be noted that the site will be operated by K2 Waste Solutions, LLC, which currently operates a solid waste hauling facility on the property located adjacent to the project site's western boundary. As such, the permitting of this facility is not expected to have any additional impact on the surrounding area. The permitting of this facility will not impact threatened or endangered species or their critical habitat. The site is not located within a floodplain. The facility will comply with Texas Pollutant Discharge Elimination System (TPDES) stormwater permitting requirements and is therefore not expected to impact surface or groundwater resources.

Project No. AHF2300405
K2 Waste Solutions, LLC Waste Transfer Station – Part II

SECTION 2: WASTE ACCEPTANCE PLAN [30 TAC §330.61(b)]

The following sections address the information required by 30 TAC §330.61 (b) as pertaining to the facility's waste acceptance plan.

2.1 SOURCES AND CHARACTERISTICS OF ACCEPTED WASTES [30 TAC §330.61(b)(1)] - The following sections briefly describes the sources and characteristics of the wastes to be accepted at the K2 Waste Solutions, LLC Waste Transfer Station:

2.1.1 WASTE SOURCES AND GENERATION AREAS [30 TAC §330.61(b)(1)(A)] - The K2 Waste Solutions, LLC Waste Transfer Station will accept municipal, household, commercial and industrial Class 2 & 3 solid wastes and construction debris generated by residents and businesses of Liberty County and surrounding counties. K2 Waste Solutions anticipates serving approximately 27,000 homes and 1,500 commercial clients in these counties by the time this facility opens. The design for this facility is based on a maximum of 1,500 tons of waste per day.

2.1.2 MAXIMUM AMOUNT OF WASTE RECEIVED PROPOSED SOLID WASTE TRANSFER STATION [30 TAC §330.61(b)(1)(B)] - The following items address the proposed facility capacities as required by 30 TAC §330.61(b)(1)(B) for transfer stations:

Maximum Amount of Solid Waste to be Received Daily - As noted above, K2 Waste Solutions desires the facility to be sized to have an ultimate capacity of 1,500 tons per day. However, at the beginning of operations the maximum daily rate of solid waste received is expected to be less than that, based on their current operations. K2 Waste Solutions currently manages about 175 tons of waste per day, but expect that average to increase by the time this proposed facility opens.

The following table assumes an initial maximum daily rate of 200 tons per day (as currently permitted) with a projected growth up to 1,500 tons per day. This growth is based on population projections for Liberty County (see Section 8.3). The following table summarizes the maximum amount of solid waste expected to be received daily and annually projected for five years:

PROJECTED MAXIMUM AMOUNTS OF SOLID WASTE		
Year	**Maximum Daily Rate**	**Maximum Annual Rate**
Present	200 tons/day	*73,000* tons/year
2025	*600* tons/day	*219,000* tons/year
2026	*750* tons/day	*273,750* tons/year
2027	*1000* tons/day	*365,000* tons/year
2028	*1,250* tons/day	*456,250* tons/year
2029	*1,500* tons/day	*547,500* tons/year

Maximum Amount of Solid Waste to be Stored at the Facility - It is proposed that the facility be permitted for a maximum 72-hour storage volume of 900 tons of municipal solid waste. Each transfer trailer will be filled and dispatched to a TCEQ-approved landfill as rapidly as possible. Under normal operating conditions, solid waste should be hauled to the landfill at least once per day. In no event will the solid waste be stored at the transfer station longer than 72 hours.

To address any logistical concerns the maximum daily rate exceeding the 72-hour holding volume amount, K2 Waste Solutions has full control of the incoming waste volume accepted into the facility. K2 Waste Solutions will track incoming volume throughout the day, every day, and will also track outgoing volume daily. The facility operator is a waste collection and transportation company, and should overnight storage be necessary, they have the ability to control incoming waste volumes and divert incoming loads directly to a landfill for direct disposal, in order to maintain a maximum overnight storage capacity of 900 tons within the building.

Based on building dimensions of 150' x 100', calculations were completed to demonstrate the feasibility of storing up to 900 tons overnight. Floor space dedicated to the following operations was excluded from the calculations:

- 150' x 30' passage on the east side of the building for trailer and route truck loading/ unloading as well as loader movement for waste placement;
- 60' x 30' passage for equipment access on the south side of the building; and
- 150' x 10' buffer space along the west side of the building.

An approximately 120' x 60' space remains for waste storage. Waste will be stored up to a height of 12' with side slopes of 0.5:1. Based on this information, the volume of waste storage has been calculated to be at least 2,736 cubic yards, or 912 tons.

Intended Destination of Solid Waste Received at this Facility - All waste collected at the facility will be loaded onto transport trucks and driven to a TCEQ-approved landfill for disposal. K2 Waste Solutions, LLC desires to transport their waste eastward away from the traffic and population centers of the Houston/Humble area to allow for easier transport. There are several landfills located to the east, northeast, and southeast of the proposed transfer station. Negotiations are currently underway between K2 Waste Solutions and these landfills to determine a single facility to accept all of their waste.

2.1.3 MAXIMUM ANNUAL WASTE ACCEPTANCE RATE FOR PROPOSED LANDFILLS[30 TAC §330.61(b)(1)(C)] - Not applicable for this facility. This requirement pertains to landfills, not transfer stations.

2.2 REGISTRATION QUALIFICATIONS [30 TAC §330.61(b)(2)] - Not applicable. The proposed facility will not comply with 30 TAC §330.9(b)(3) because it will transfer 1,500 tons of waste per day. A permit is being sought for this proposed facility.

Project No. AHF2300405
K2 Waste Solutions, LLC Waste Transfer Station – Part II

SECTION 3: GENERAL LOCATION MAPS [30 TAC §330.61(c)]

The following information is provided in order to comply with the requirements of 30 TAC §330.61(c). Note that multiple figures were required in some cases to show all the required items from that section.

3.1 GENERAL LOCATION MAP AND WINDROSE - Attachment II-A contains a General Location Map showing major features of Liberty County and the location of the project site therein. The map is also equipped with the following items:

Windrose [30 TAC §330.61(c)(1)] - A copy of the windrose for Houston as obtained from the TCEQ Air Quality website is included in Attachment II-A. Houston is located approximately 20 miles to the west of the project site and represents the nearest location for which a windrose was available.

Features within One Mile of the Facility [30 TAC §330.61(c)(4)] - There do not appear to be any schools, licensed daycare facilities, churches, hospitals, lakes, recreational areas, or cemeteries located within 1 mile of the facility. Refer to the map in Attachment II-F and to Sections 7 and 8 below for more information regarding ponds, residential, and commercial areas within 1 mile of the facility's boundaries.

Latitude and Longitude [30 TAC §330.61(c)(6)] - The location of the project site is indicated on the map with the latitude and longitude of the site noted below it.

Area Streams [30 TAC §330.61(c)(7)] - These are generally indicated on this map.

Airports within 6 Miles of the Facility [30 TAC §330.61(c)(8)] – There do not appear to be any airports within a 6-mile radius of the facility. The General Location Map has identified two airports within 25 miles of the facility. The names, locations, and relative distances were determined from Google Earth and are as follows: (1) Cleveland Municipal Airport, 21 miles north; (2) Liberty Municipal Airport, 20.3 miles east.

3.2 FEATURES WITHIN 500 FEET OF THE PROJECT SITE [30 TAC §330.61(c)(2)-(4)] - Attachment II-B shows a recent aerial photograph of the project site and all features within 500 feet of its boundaries. The following items are shown or otherwise indicated:

Known Nearby Water Wells [30 TAC §330.61(c)(2)] - The Texas Water Development Board's Groundwater Database was checked for information regarding known wells in the area. According to that information, there is one (1) domestic water well within 500 feet of the project site's boundaries: Well #464637. The TWDB information indicates that this well was drilled in 2017 for domestic use, has a depth of 240 feet, and has a reported yield of 40 GPM. There is also one (1) irrigation well within 500 feet of the project site’s boundaries: Well 48984. The TWDB information indicates that this well was drilled in 2004 to a depth of 120 feet, and has a reported yield of 25 GPM.

All Structures and Inhabitable Buildings [30 TAC §330.61(c)(3)] -The aerial photograph shows all structures within 500 feet of the project site's boundaries (refer to Attachment II-C: Project Site at Proposed Conditions).

Roadways [30 TAC §330.61(c)(5)] - All access to the site will be via Farm-to-Market Road 1960. This is an asphalt paved two lane roadway with shoulders. The facility's access roadway will tie directly to FM 1960 at the northern end of the site.

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Property Boundary of the Facility [30 TAC §330.61(c)(9)] - The property boundary is indicated on the aerial photograph.

Easements Within or Adjacent to the Facility [30 TAC §330.61(c)(10)] - There do not appear to be any drainage, pipeline, or utility easements within or adjacent to the facility. Refer to the Adjacent Property Owners Map and cross-referenced Adjacent Property Owners List located in Part I of this application for more information.

Facility Access and Control [30 TAC §330.61(c)(11)] - Refer to the figure in Attachment II-C (Project Site Proposed Conditions) for information regarding facility access and control features.

Archaeological, Historic, and Aesthetic Sites [30 TAC §330.61(c)(12)] - There are no known archaeological or historic sites located on or adjacent to the project site. A letter was submitted to the State Historical Preservation Officer (SHPO) on October 6, 2016 to verify this (refer to Attachment II-H for more information). A response was received back from SHPO on November 2, 2016 in which the original letter bore a stamp reading *"Antiquities Code of Texas Review - No Survey Required- Project May Proceed (dated 10/25/2016)".* Please refer to the Attachment II-H for a copy of that letter. There are no sites with exceptionally aesthetic qualities located adjacent to the site.

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K2 Waste Solutions, LLC Waste Transfer Station – Part II

SECTION 4: FACILITY LAYOUT MAPS [30 TAC §330.61(d)]

Attachment II-C contains two drawings with recent aerial photographs of the project site. The first drawing shows the project site at existing conditions. The second drawing has been modified to show the locations of the proposed site improvements as required by 30 TAC §330.61(d).

4.1 FACILITY UNITS AND BUILDINGS [30 TAC §330.61(d)(1), (2), and (4)] - Attachment II-C provides recent aerial photographs of the project site. The initial photograph shows the project site at existing conditions. The second photograph has been modified to show the location of proposed units and the locations of proposed buildings.

4.2 INTERIOR FACILITY ROADWAYS AND ENTRANCE ROADS [30 TAC §330.61(d)(2) and (8)] – The facility's proposed interior roadways and entrance roadways are clearly shown on the Proposed Conditions drawing.

4.3 LOCATIONS OF MONITOR WELLS [30 TAC §330.61(d)(3)] - This facility has no associated monitor wells.

4.4 FENCING [30 TAC §330.61(d)(6)] - Access to the site will be controlled by a proposed security fence surrounding the site and gates at the entrance.

4.5MAINTENANCE OF WINDBREAKS [30 TAC §330.61(d)(7)] - There is limited screening of the existing facility by vegetation. There are several trees and scattered brush growing along the existing fence-line. As much as possible, these trees will be maintained during the operations of the facility.

4.6 PROPOSED CONSTRUCTION SEQUENCE OF THE FACILITY [30 TAC §330.61(d)(5)] - The proposed entry drives, concrete pad, transfer building, and scale house are proposed to be constructed as part of the proposed site development. A new maintenance building and remodel of an existing building to an office are also included.

4.7 LANDFILL UNITS [30 TAC §330.61(d)(9)] - This section is not applicable to this facility, because this permit application is for a transfer station, not a landfill. At no time will this facility be utilized as a landfill.

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K2 Waste Solutions, LLC Waste Transfer Station – Part II

SECTION 5: GENERAL TOPOGRAPHIC MAP [30 TAC §330.61(e)]

Attachment II-D shows relevant portions of the 7.5 minute USGS map of the Huffman, Texas Quadrangle as required by 30 TAC §330.61(e). The boundaries of the K2 Waste Solutions, LLC Waste Transfer Station are clearly overlaid onto this map. The exhibit is provided at a scale of one inch equals 2,000 feet and shows the surrounding area in over a mile radius from the project site.

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K2 Waste Solutions, LLC Waste Transfer Station – Part II

SECTION 6: AERIAL PHOTOGRAPH [30 TAC §330.61(f)]

An aerial photograph is provided in Attachment II-E that shows the area within a one-mile radius of the K2 Waste Solutions Solid Waste Transfer Station's boundaries. The boundaries of the site are clearly marked on this exhibit. For ease of reading, a one-mile offset line from the site boundaries is also provided.

This permit application is submitted in order for the proposed facility to operate as a solid waste transfer station. This facility will not be operated as a landfill facility; therefore, no fill areas are located at the facility.

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K2 Waste Solutions, LLC Waste Transfer Station – Part II

SECTION 7: LAND-USE MAP [30 TAC §330.61(g)]

The K2 Waste Solutions Solid Waste Transfer Station site is located beyond the extra-territorial jurisdiction of the City of Dayton, Texas and Liberty County does not appear to have any established zoning in the project area.

As noted above, Attachment II-E contains a recent aerial photograph showing the area within a mile of the boundaries of the project site. Attachment II-F contains a land-use map that was developed based on the apparent land uses observed in the aerial photograph. Every effort has been made to indicate areas that are currently residentially developed. No schools, day-care facilities, or cemeteries are known to exist within a mile of the facility.

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K2 Waste Solutions, LLC Waste Transfer Station – Part II

SECTION 8: IMPACT ON SURROUNDING AREA [30 TAC §330.61(h)]

The following sections contain information regarding the likely impacts of the facility on cities, communities, groups of property owners, or individuals:

8.1 ZONING MAP [30 TAC §330.61(h)(1)] - The site of the proposed K2 Waste Solutions Solid Waste Transfer Station is located beyond the extra-territorial jurisdiction of the City of Dayton, so its zoning does not apply. Liberty County also does not appear to have any established zoning in the area. As such, there appears to be no zoning for the project site or the surrounding area.

8.2 SURROUNDING LAND USES [30 TAC §330.61(h)(2)] - A land-use map was constructed for Attachment II-F that indicates general land uses within a one-mile radius of the facility's boundaries. That land use map was based on recent aerial photographs of the area. The following table summarizes the general land uses within that area:

SUMMARY OF GENERAL LAND USE WITHIN 1-MILE OF PROJECT SITE		
General Land Use	**Estimated Percentage of Land within**	**Description**
Undeveloped Areas/Agricultural	Approximately 75.5%	These areas are estimated from a recent aerial photograph of the area. These undeveloped areas appear to be covered mostly by grass or crops with few (if any) trees.
Residential Areas	Approximately 5%	These area are based on solely observation of residences from the aerial photograph. For the most part, these areas incorporate the area visibly occupied by the residences and their yards and appurtenances.
Commercial Areas	Approximately 15%	These areas indicate sites visible from the highway that were marked with signage proclaiming them to be commercial businesses rather than residential.
Water Features (Ponds)	Approximately 0.5%	Several ponds are located within a mile of the facility. This area represents the total percentage of the area that is occupied by surface water from those ponds. It also indicates area occupied by Seaburg Reservoir No. 4.
Transportation	Approximately 3.5%	The areas are occupied by roadways or railroad tracks and their apparent right-of-ways.
Project Site	Approximately 0.5%	This is the area occupied by the project site.

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K2 Waste Solutions, LLC Waste Transfer Station – Part II

As indicated on the General Land-Use Map, approximately 75.5% of the land within a mile of the facility is currently undeveloped or utilized for agriculture. As indicated on the attached floodplain map, it appears that a significant percentage of this area is located within the 100-year floodplain of Cedar Bayou and is unlikely to be developed residentially or commercially in the future.

At the present time about 5.0% of the area is occupied by residential development within a mile of the facility. As indicated on the General Land Use Map, residential development is mainly confined to areas immediately adjacent to existing roadways. Please refer to Attachment II-F for more information regarding surrounding land uses and their general distribution in the area.

8.3 GROWTH TRENDS WITHIN 5 MILES OF THE FACILITY [30 TAC §330.61(h)(3)] - As noted previously, the K2 Waste Solutions Solid Waste Transfer Station is located approximately 1.6 miles west of the City of Dayton in Liberty County. It lies outside of the extra-territorial jurisdiction of Dayton. A review of aerial photos taken over the last two decades shows that very limited growth has occurred within five miles of the facility during that time period.

No specific growth projections are available solely for the immediate area within five miles of the facility. Since this area is within Liberty County outside of the extra-territorial jurisdiction of any city, it is assumed herein that the growth within five miles of the facility mirrors that of the unincorporated portions of the County. In order to get an indication of potential future growth the following table is provided that summarizes growth projections for Liberty County as obtained from the Texas Water Development Board (TWOS) 2021 Regional Water Plan:

PROJECTED GROWTH FOR LIBERTY COUNTY, TEXAS			
Year	**Population**	**Annual Growth Rate**	**Notes**
2010	**75,643**	**- - --**	**From the Year 2010 Census**
2020	**86,303**	**1.33 %**	**These population projections were obtained from the Texas Water Development Board's 2021 Regional Water Plan for Liberty County, Texas.**
2030	**97,227**	**1.20 %**	
2040	**107,618**	**1.02 %**	
2050	**118,048**	**0.93 %**	
2060	**128,028**	**0.82 %**	
2070	**137,560**	**0.72 %**	

Based on those projections, it is assumed that the annual rate of population growth in the area will not exceed 1.33%. Based on current land use, any additional residential or commercial development in the area is expected to be centered along major roadways in the area.

8.4 PROXIMITY OF SITE [30 TAC §330.61(h)(4)] - As required under 30 TAC §330.61(h)(4), the following sections provide information regarding the proximity of the site to residences and other uses within one mile of the facility:

8.4.1 POPULATION DENSITIES WITHIN A MILE OF THE SITE - The Environmental Protection Agency's EJScreen website was consulted for information regarding population densities within a one-mile radius of the facility. Based on that information, there are approximately 60 housing units within a mile of the facility and a corresponding population of approximately 278 people, which equates to a population density of approximately 88 people per square mile. The nearest residence is located approximately 30 feet to the east of the facility's boundary.

There are approximately ten commercial establishments within a mile of the facility. The nearest commercial building is located approximately 50 feet west of the facility's boundary.

8.4.2 PROXIMITY TO RESIDENCES - The nearest residence is located approximately 30 feet to the east of the facility's boundary.

8.4.3 PROXIMITY TO SCHOOLS - There are no known schools within a mile of the facility.

8.4.4 PROXIMITY TO CHURCHES - There are no known churches within a mile of the facility.

8.4.5 PROXIMITY TO CEMETERIES - There are no known cemeteries within a mile of the facility.

8.4.6 PROXIMITY TO HISTORIC STRUCTURES AND SITES - There are no known historic structures or sites within a mile of the facility.

8.4.7 PROXIMITY TO ARCHEOLOGICALLY SIGNIFICANT SITES – There are no known archeologically significant sites within a mile of the facility.

8.4.8 PROXIMITY TO SITES HAVING EXCEPTIONALLY AESTHETIC QUALITY - There are no known sites having exceptional aesthetic quality within a mile of the facility.

8.5 WATER WELLS WITHIN 500 FEET [30 TAC §330.61(h)(5)] - The project site is equipped with its own water well that was installed by a previous owner. This well will be utilized to provide the water needs of the facility.

The TWDB groundwater database was consulted for information pertaining to other existing water wells within 500 feet of the facility. There is one (1) domestic water well within 500 feet of the project site's boundaries: Well #464637. The TWDB information indicates that this well was drilled in 2017 for domestic use, has a depth of 240 feet, and has a reported yield of 40 GPM. There is also one (1) irrigation well within 500 feet of the project site’s boundaries: Well 48984. The TWDB information indicates that this well was drilled in 2004 to a depth of 120 feet, and has a reported yield of 25 GPM.

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K2 Waste Solutions, LLC Waste Transfer Station – Part II

SECTION 9: TRANSPORTATION [30 TAC §330.61(i)]

The following sections provide information regarding roadways within a mile of the facility:

9.1 AVAILABILITY AND ADEQUACY OF ROADS [30 TAC §330.61(i)(1)] - The proposed facility will be accessed from FM 1960 which runs parallel and immediately adjacent to the site's northern boundary line. FM 1960 is a two lane paved road with paved shoulders.

9.2 VOLUME OF VEHICULAR TRAFFIC [30 TAC §330.61(i)(2) and (3)] - The proposed transfer station will be operated by K2 Waste Solutions, LLC. It should be noted that K2 Waste Solutions currently operates a waste hauling facility which is located adjacent to the project site. The proposed transfer station will be incorporated into K2 Waste Solutions' existing commercial operation and the majority of traffic to the facility will generally be limited to their service vehicles. The facility's design will also set aside a small area away from the big truck working area that is designated for public drop-offs of waste. The following sections estimate the amount of vehicular traffic associated with the facility on roadways within a mile of the transfer station at the proposed peak capacity of 1,500 tons per day.

9.2.1 VEHICULAR TRAFFIC (K2 WASTE SOLUTIONS VEHICLES ONLY) - This facility will initially be open only to K2 Waste Solutions vehicles. The following sections provide estimates of the number of vehicles expected to access the facility based on the proposed maximum capacity of 1,500 tons per day:

Collection Trucks - K2 Waste Solutions operates 25-35 waste collection trucks per day. Their capacities vary from 20 cubic yards (7 tons) to 40 cubic yards (12 tons) depending on the truck and waste stream. At the maximum rate of 1,500 tons per day, the number of trips per day would vary from five trips (if only the smaller trucks in service) to two trips (with only the larger trucks in service) per day.

Transfer Trucks - The transfer trucks that remove the waste from the transfer station and deliver it to the landfill for final disposal are of the 100 cubic yards (30 ton) transfer trailer variety. At the maximum rate of 1,500 tons per day, approximately 30 trailer loads would need to be transferred**.**

Personal Vehicles - It is assumed that there will be up to seven people working at the facility full-time, either performing duty on-site or driving the collection trucks. Assuming that they all drive personal vehicles to work (no car-pooling) and park them at the facility this would equate to 7 private vehicles accessing the site on a daily basis.

Total Number of Vehicles - The following table summarizes the maximum volume of vehicles expected for the facility at the proposed permit capacity of 1,500 tons per day:

Estimated Volume of Vehicles (K2 Waste Solutions Vehicles Only)	
Collection Trucks	30 vehicles
Transfer Trucks	10 vehicles
Personal Vehicles of Facility Staff	7 vehicles
Total Number of K2 Waste Solutions Vehicles	**47 vehicles**

9.2.2 VEHICULAR TRAFFIC (WITH PUBLIC ACCESS) - The public will have access to the site at the beginning of operations for public drop-offs after the facility opens. The following estimates assume that the public is allowed access to the site in addition to the normal daily operations performed by K2 Waste Solutions based on the proposed maximum capacity of 1,500 tons per day:

Public Vehicles - Due to the distances involved, it will be far more convenient and economical for most of the customers of K2 Waste Solutions to have their solid waste collected at their residences by the collection trucks. However, a small segment of the population living within a short distance of the transfer station may deem it more economical or convenient to simply transport their solid waste to the facility upon their own initiative. To this end, an area will be designated separately from the normal working area of the commercial trucks in which the public will be able to deposit their domestic waste directly into open-top roll-off boxes. It is estimated that this volume of waste will account for no more than 4 to 6 tons per day at the facility. The vehicles that the public utilizes are not uniform in nature and so are assumed to have a fairly small transport capacity; in order to remain conservative, it is assumed herein that each public vehicle can transport approximately 1.0 cubic yard of un-compacted solid waste. Assuming 400 lbs/cy for un-compacted waste, this equates to each vehicle carrying 0.2 tons. Therefore, approximately 30 vehicles would be needed to deliver 6 tons of solid waste to the facility.

K2 Waste Solutions Vehicles - The 6 tons delivered by the public is a small percentage of the 1,500 ton maximum daily rate to the facility and the public delivery of that portion of the daily volume will not significantly reduce the number of K2 Waste Solutions collection trucks estimated in Section 9.2.1 above. Therefore, the previous estimate of 47 vehicles is still applied for K2 Waste Solutions operations.

Total Number of Vehicles - The following table summarizes the maximum volume of vehicles expected for the facility with public access at the proposed permit capacity of 1,500 tons per day:

Estimated Volume of Vehicles (Both K2 Waste Solutions and the Public)	
K2 Waste Solutions (Collection Trucks, Transfer Trucks, Personal)	47 vehicles
Public Vehicles (Vehicle-types Vary)	30 vehicles
Total Number of Vehicles	**77 vehicles**

9.3 DESIGN COORDINATION [30 TAC §330.61(i)(4)] - Please refer to Attachment II-H (Correspondence) for a copy of the letter to Texas Department of Transportation (TxDOT) Regional Office

(dated November 29, 2016) informing them of the project. The design of the site entrance from FM 1960 will be coordinated with TxDOT and documented in Attachment II-H. Any traffic or location restrictions required by TxDOT will also be documented herein and in Attachment II-H (Correspondence).

9.4 IMPACT OF THE FACILITY ON AIRPORTS [30 TAC §330.61(i)(5)] - This requirement applies only to landfill units and landfill mining operations. As such, it is not applicable for this solid waste transfer station permit application.

Project No. AHF2300405
K2 Waste Solutions, LLC Waste Transfer Station – Part II

SECTION 10: GENERAL GEOLOGY AND SOILS STATEMENT [30 TAC §330.61(j)]

The following sections generally address the geology and soils at the K2 Waste Solutions Solid Waste Transfer Station site:

10.1 GENERAL GEOLOGY DATA FOR THE SITE [30 TAC §330.61(j)(1)] - The facility will be located in Liberty County approximately 1.6 miles west of the City of Dayton and approximately 0.9 miles east of the Liberty/Harris County Line. According to the geologic map in the Texas Water Development Board publication entitled *Report 72: Ground-Water Resources of Liberty County, Texas* (dated April 1968) it appears that the site is generally located in the Beaumont Clay, a quaternary geologic unit noted to consist of calcareous clay, silt, sand and gravel.

The geological cross-section maps available in that report indicate that the Beaumont Clay extends to a point approximately 200 feet below the project site. The Lissie Formation (consisting of the Willis Sand and possibly the Goliad Sand) extends from approximately 200 feet to 1,200 feet below the site. The Lagarto Clay and Oakville Sandstone are the geologic units below those features.

10.2 GENERAL SOIL DATA FOR THE SITE [30 TAC §330.61(j)(1)] - The United States Department of Agriculture - Soil Conservation Service's *Web Soil Survey* was consulted with regard to soil data at the project site. According to that information, the entire site is located in areas occupied by *Mocarey-Yeaton complex,* 0 *to 1 percent slopes.*

10.3 FAULTS, SEISMIC ZONES,AND UNSTABLE AREAS [30TAC §330.61(j)(2) thru (4)] - These items are required only for landfills and as such are not applicable to this permit application for a solid waste transfer station.

Project No. AHF2300405
K2 Waste Solutions, LLC Waste Transfer Station – Part II

SECTION 11: GROUNDWATER AND SURFACE WATER [30 TAC §330.61(k)]

11.1 GROUNDWATER CONDITIONS [30 TAC §330.61(k)(1)] - The following sections provide general information about groundwater in the project area and a summary of available site-specific information for the domestic water wells located near the facility:

11.1.1 GENERAL GROUNDWATER INFORMATION - The facility will be located in Liberty County approximately 1.6 miles west of the City of Dayton and approximately 0.9 miles east of the Liberty/Harris County Line. According to the Texas Water Development Board publication entitled *Report 380: Aquifers of Texas* (July 2011), the Gulf Coast Aquifer is the major source of groundwater in the project area. According to the *Report,* the Gulf Coast Aquifer is actually made up of several individual aquifers such as the Chicot, Evangeline, and Jasper. Those aquifers are composed of discontinuous sand, silt, clay, and gravel beds.

The Gulf Coast Aquifer runs parallel to the Gulf of Mexico from the Louisiana border to the Rio Grande River. The maximum total sand thickness ranges around 1,300 feet in the vicinity of Liberty County, and the freshwater thickness generally ranges around 1,000 feet. Water quality varies with depth and location, but the *Report* notes that it is generally good in the northeastern portion where the project site is located.

The Gulf Coast Aquifer is used for municipal, industrial, and irrigation purposes. However, it should also be noted that the *Report* states that water level declines have been reported in neighboring Harris County that resulted in land subsidence.

11.1.2 AVAILABLE DATA FROM THE ON-SITE WATER WELL - There is an existing well located at the project site that was installed by a previous owner. This well will provide water for use at the transfer station.

There is little available information for this existing well. Conversations with the previous land owner reveals that the well was already in place when he purchased the property in 1980, so it is at least four decades old. There is no well report for the well.

The existing well has a 4" casing. It was the previous owner's understanding that the well casing extends to a depth of approximately 285 feet. The well pump is set at a depth of 170 feet.

11.1.3 **AVAILABLE DATA FROM WATER WELLS LOCATED NEAR THE FACILITY** - As noted previously, two (2) water wells were located within 500 feet of the facility's boundaries. The data for those wells are summarized as follows to give an indication of groundwater availability for the immediate area:

DATA FOR NEARBY WATER WELLS		
Description	Well No. 464637	Well No. 48984
Completion Date	October 6, 2017	September 8, 2004
Distance from Site	Approximately 285 linear feet to the west	Approximately 370 linear feet to west

Well Purpose	Domestic	Irrigation
Diameter of Hole	Borehole 6.75"; 4" Plastic Casing and Screen	Borehole 7.5”; 4” Plastic Casing and Screen
Static Water Level	240 feet below land surface (on November 10, 2017)	20 feet below land surface
Type of Pump	Submersible	Submersible
Well Tests	Yield of 40 gpm	Yield of 25 gpm
Water Quality	No data	No data
Description of Formation Material	0 ft to 110 ft - Clay 110 ft to 120 ft - Sand 120 ft to 130 ft - Clay 130 ft to 150 ft - Sand 150 ft to 200 ft - Clay 200 ft to 240 ft - Sand	0 ft to 8 ft - Clay 8 ft to 30 ft - Sand 30 ft to 50 ft - Clay 50 ft to 120 ft - Sand

11.1 SURFACE WATER CONDITIONS [30 TAC §330.61(k)(2)] - The undeveloped portion of the existing site is currently equipped with a small man-made retention pond located near the southwest corner of the site. At proposed conditions, the proposed transfer building will be built in close proximity to this location, but the pond will be retained and expanded to serve as best management practice to manage stormwater and act as a source of non-potable water for washing or firefighting. The facility will be equipped with portable pumps and hoses that can be utilized to pump water from the pond to the transfer station's working areas on an as-needed basis. During construction, the site will be contoured so that any runoff from the transfer station's working areas will be directed away from the pond.

Based on aerial photographs of the area, the nearest off-site pond is located on the adjacent property to the west of the site at a distance of approximately 125 linear feet from the site boundaries. The nearest tributary is Cedar Bayou located approximately 3,000 linear feet to the west of the facility's boundary.

11.2 **COMPLIANCE WITH TPDES REQUIREMENTS [30 TAC §330.61(k)(3)]** - The proposed transfer station will be designed to comply with the criteria of 30 TAC §330.227 that requires storage and processing areas be designed to control and contain spills and contaminated water from leaving the facility. The site will also be graded to protect the transfer station from external stormwater runoff.

The proposed facility will be equipped with an on-site septic system to accommodate the needs of the workers' restrooms. The septic system will only treat domestic sewage generated from the facility.

Project No. AHF2300405
K2 Waste Solutions, LLC Waste Transfer Station – Part II

Wash water and any other contaminated water from the proposed working floors of the transfer building will be directed to drains. The drains will be directed to a proposed holding tank that will store wash water, any rainfall that may enter these areas due to being blown by the high winds, and any other contaminated water. This storage tank will be equipped with an oil-sand separator and will be emptied by vacuum truck on an as-needed basis and its contents transported to a TCEQ-approved treatment facility for final disposal. The proposed improvements of storing wash water and contaminated water in a holding tank will be completed prior to commencement of transfer station operations.

The facility will be designed to control and contain a worst-case spill or release. No contaminated water will be allowed to pond on the surface or run off as surface drainage. All liquids resulting from the operation of the transfer station will be disposed of in a manner that will not cause surface water or groundwater pollution. Drainage patterns will be minimally affected by this project, so no TPDES permit is required. However, the owner or operator will obtain the appropriate TPDES permit coverage if one becomes required at some future date.

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K2 Waste Solutions, LLC Waste Transfer Station – Part II

SECTION 12: ABANDONED OIL AND WATER WELLS [30 TAC §330.61(1)]

The following sections provide information regarding abandoned wells in the area:

12.1 ABANDONED WATER WELLS [30 TAC §330.61(1)(1)] - The Texas Water Development Board's *Ground Water Database* was consulted for data with regard to water wells in the area. No abandoned water wells are indicated to be situated within the boundaries of the facility itself.

As indicated in Attachment II-B, there are two (2) privately owned water wells within 500 feet of the facility. No abandoned water wells were indicated to be within 500 feet of the facility based on the TWDB's data.

12.2 ABANDONED CRUDE OIL OR NATURAL GAS WELLS [30 TAC §330.61(1)(2)] - The Texas Railroad Commission's *Public GIS Viewer for Oil,* Gas, *and Pipeline Data* was consulted for data with regard to oil and gas wells in the area. According to that data no crude oil or natural gas wells (abandoned or otherwise) are located within the facility boundaries.

Similarly, no crude oil or natural gas wells are indicated within 500 feet of the facility's boundaries. However, a pipeline described as carrying highly volatile liquids (ethane/propane) owned by Philips 66 Pipeline, LLC is located approximately 542 feet to the east of the site.

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K2 Waste Solutions, LLC Waste Transfer Station – Part II

SECTION 13: FLOODPLAINS AND WETLANDS STATEMENT [30 TAC §330.61(m)]

The following sections contain information pertaining to floodplains and wetlands at the facility:

13.1 FLOODPLAINS [30 TAC §330.61(m)(1)] - Attachment II-G shows relevant portions of the Flood Insurance Rate Map (FIRM) for *Liberty County, Texas and Incorporated Areas* (Map Number 48291C0400C; Effective Date May 2, 2008) with the location of the K2 Waste Solutions Solid Waste Transfer Station's boundaries overlain onto it. This information indicates that the facility is not located within the 100-year floodplain of any water bodies in the area. As such, no levees or other improvements will be required at this facility.

13.2 WETLANDS [30 TAC §330.61(m)(2) and (3)] - The US Fish and Wildlife Service's National Wetlands Inventory database was consulted regarding wetlands at the facility. According to that information, the following codes were assigned to features in or near the project area:

Classification PUBFx - This code was assigned to the existing man-made retention pond located on the southwest corner of the project site.

According to the database, the "P" prefix indicates a palustrine system. Palustrine systems include all non-tidal wetlands dominated by trees, shrubs, persistent emergents, emergent mosses or lichens, and all such wetlands that occur in tidal areas where salinity due to ocean-derived salts is below 0.5 ppt. It also includes wetlands lacking such vegetation, but with all of the following four characteristics: (1) area less than 20 acres; (2) active wave-formed or bedrock shoreline features lacking; (3) water depth in the deepest part of the basin is less than 8.2 feet at low water; and (4) the salinity due to ocean-derived salts is less than 0.5 ppt.

The "UB" portion of the code indicates that this feature has an unconsolidated bottom. This includes all wetlands and deepwater habitats with at least 25% cover of particles smaller than stones (less than 6-7 cm) and a vegetative cover less than 30%.

The "F" portion of the code indicates it is semi-permanently flooded, with surface water persisting throughout the growing season in most years. When surface water is absent, the water table is usually at or very near the land surface.

The final portion of the code is "x", which is a special modifier that denotes this feature is excavated. It is used to identify wetland basins or channels that were excavated by humans.

Classification PEM1Cx - This code was assigned to the ditch running between the railroad track and the southern boundary of the project site. This feature is not located on the project site itself, but does run parallel and adjacent to the southern boundary, and so is included herewith for completeness.

The prefix "P" denotes a palustrine system (see above for more details). Similarly, the "x" portion of the code indicates that it was excavated by humans (see above for more details).

The "EM" portion of the code indicates an emergent classification. According to the database, these are characterized as erect, rooted, herbaceous hydrophytes, excluding mosses and lichens. This vegetation is present for most of the growing season in most years. These wetlands are dominated by perennial plants.

The "1" portion of the code indicates a persistent subclass, which are dominated by species that normally remain standing at least until the beginning of the next growing season. Similarly, the "C" portion of the code indicates a water regime that is seasonally flooded. Surface water is present for extended periods, especially early in the growing season, but is absent by the end of the growing season in most years. The water table after flooding ceases is variable.

The proposed project is not expected to adversely affect either of these potential wetland-type areas. As noted previously, the existing man-made retention pond will remain at the site. During construction of the proposed transfer station facilities, the site will be contoured so that stormwater runoff is directed away from the working areas of the transfer station. In addition, all contaminated wash water generated at the site in the course of its normal operations will be directed via drains to a proposed oil/sand separator and holding tank, thereby eliminating the potential for contamination to the existing pond or drainage ditch.

Project No. AHF2300405
K2 Waste Solutions, LLC Waste Transfer Station – Part II

SECTION 14: ENDANGERED OR THREATENED SPECIES [30 TAC §330.61(n)]

The requirements of 30 TAC §330.61(n)(1) states that the owner shall consider the impact of a solid waste disposal facility upon endangered or threatened species. No threatened or endangered species of plants or animals have been observed at the site. The permitting of this facility to serve as a solid waste transfer station is not expected to impact threatened or endangered species or their critical habitat.

The requirements of 30 TAC §330.61(n)(2) pertain to landfill applications and are therefore not applicable to this application for a transfer station permit.

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K2 Waste Solutions, LLC Waste Transfer Station – Part II

SECTION 15: TEXAS HISTORICAL COMMISSION REVIEW [30 TAC §330.61(0)]

A letter was submitted to the Texas Historical Commission (THC) on October 6, 2016 requesting a review letter for this proposed facility. A copy of that letter is included in Attachment II-H.

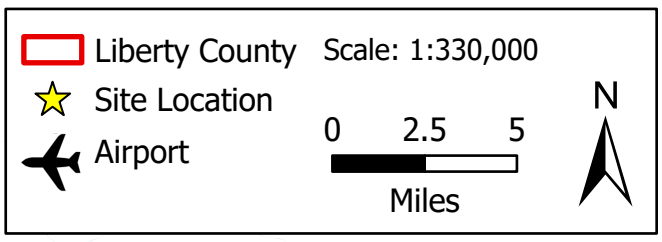
A response was received back from SHPO on November 2, 2016 in which the original letter bore a stamp reading *"Antiquities Code of Texas Review - No Survey Required- Project May Proceed (dated 10/25/2016)".* Please refer to Attachment II-H for a copy of that letter.

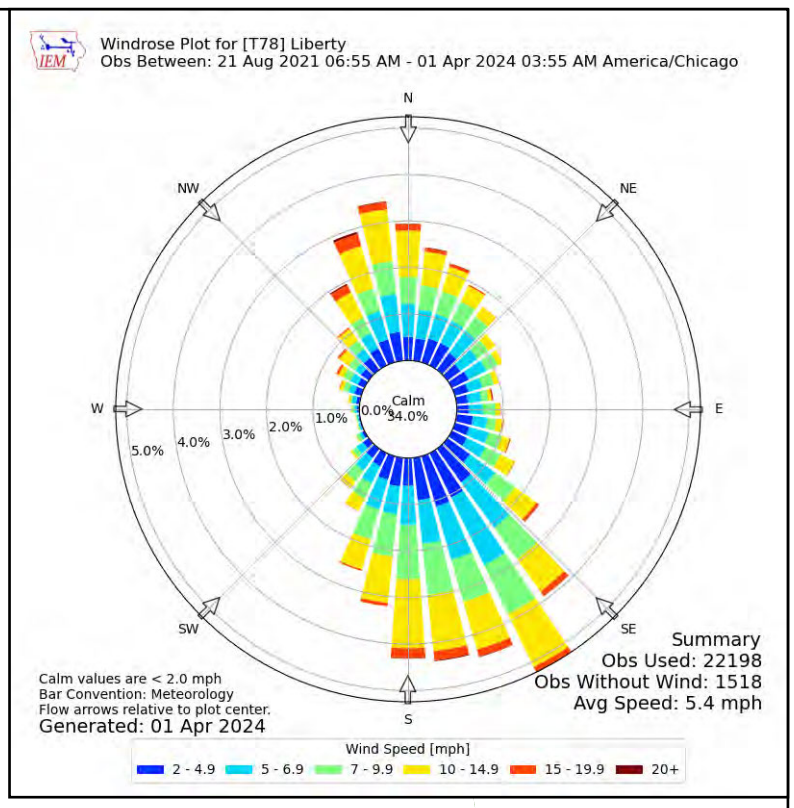
Project No. AHF2300405
K2 Waste Solutions, LLC Waste Transfer Station – Part II

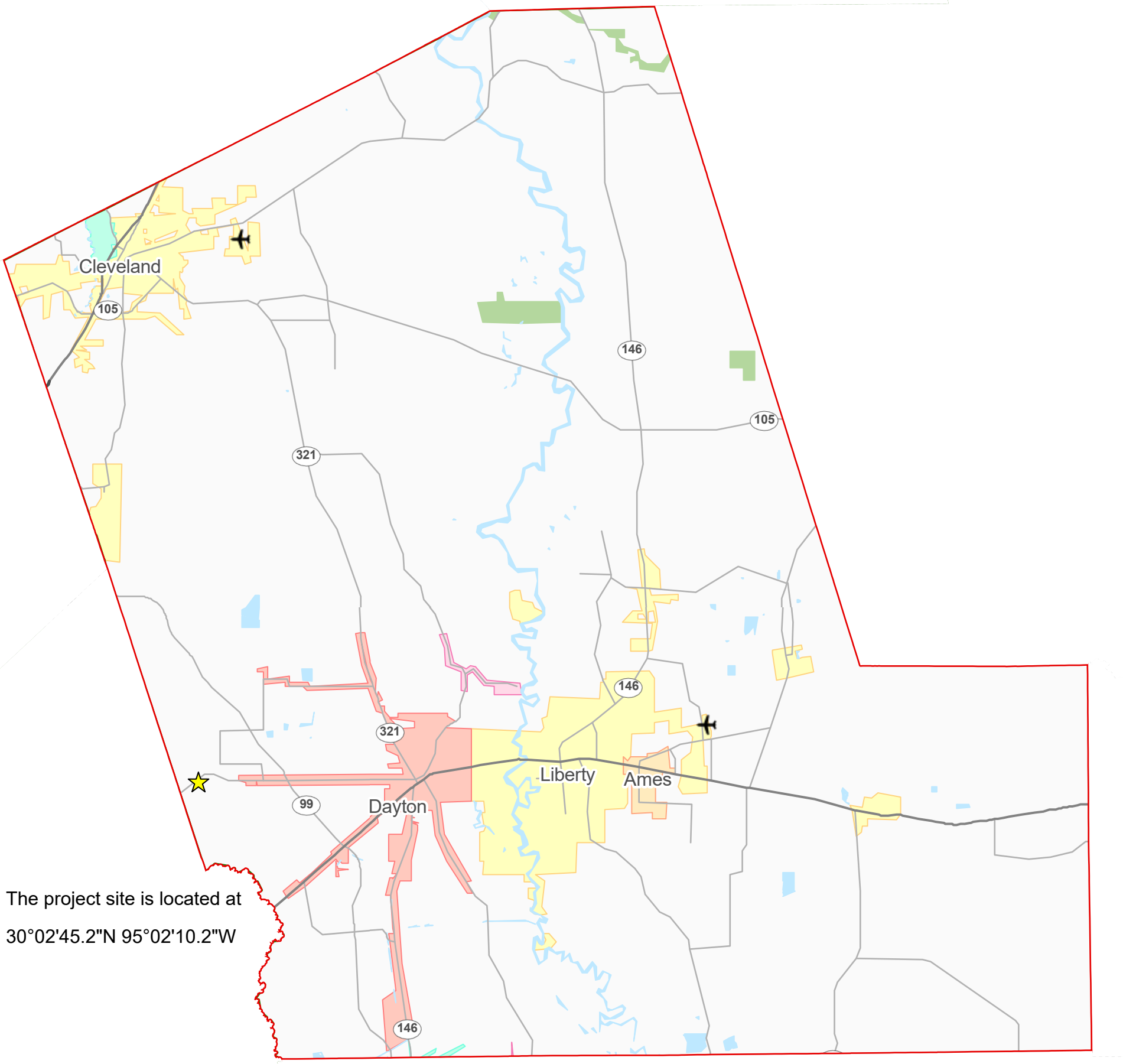
SECTION 16: COUNCIL OF GOVERNMENTS AND LOCAL GOVERNMENTS REVIEW REQUEST [30 TAC §330.61(p)]

A copy of Parts I and II of this application was submitted to the regional council of governments (Houston-Galveston Council - Gulf Coast State Planning Region) on October 6, 2016 to be reviewed for compliance with regional solid waste plans. A review letter was requested and will be included in Attachment II-H of this application upon receipt.

ATTACHMENT II-A: GENERAL LOCATION MAP & WINDROSE







The project site is located at

30°02'45.2"N 95°02'10.2"W

RABA KISTNER
1011 W. Lewis Street, Conroe, TX 77301
P 281.210.0084
TBPE Firm F-3257
TBPG Firm 50220

SOURCE:
WINDROSE map obtained from Iowa State University, Iowa Environmental Mesonet.
Basemap: TxDOT Vector Tile Basemap

Drawn By: KFR
Issue Date: 05/10/2024
RKI Project Number: AHF2300405

K2 WASTE SOLUTIONS LLC

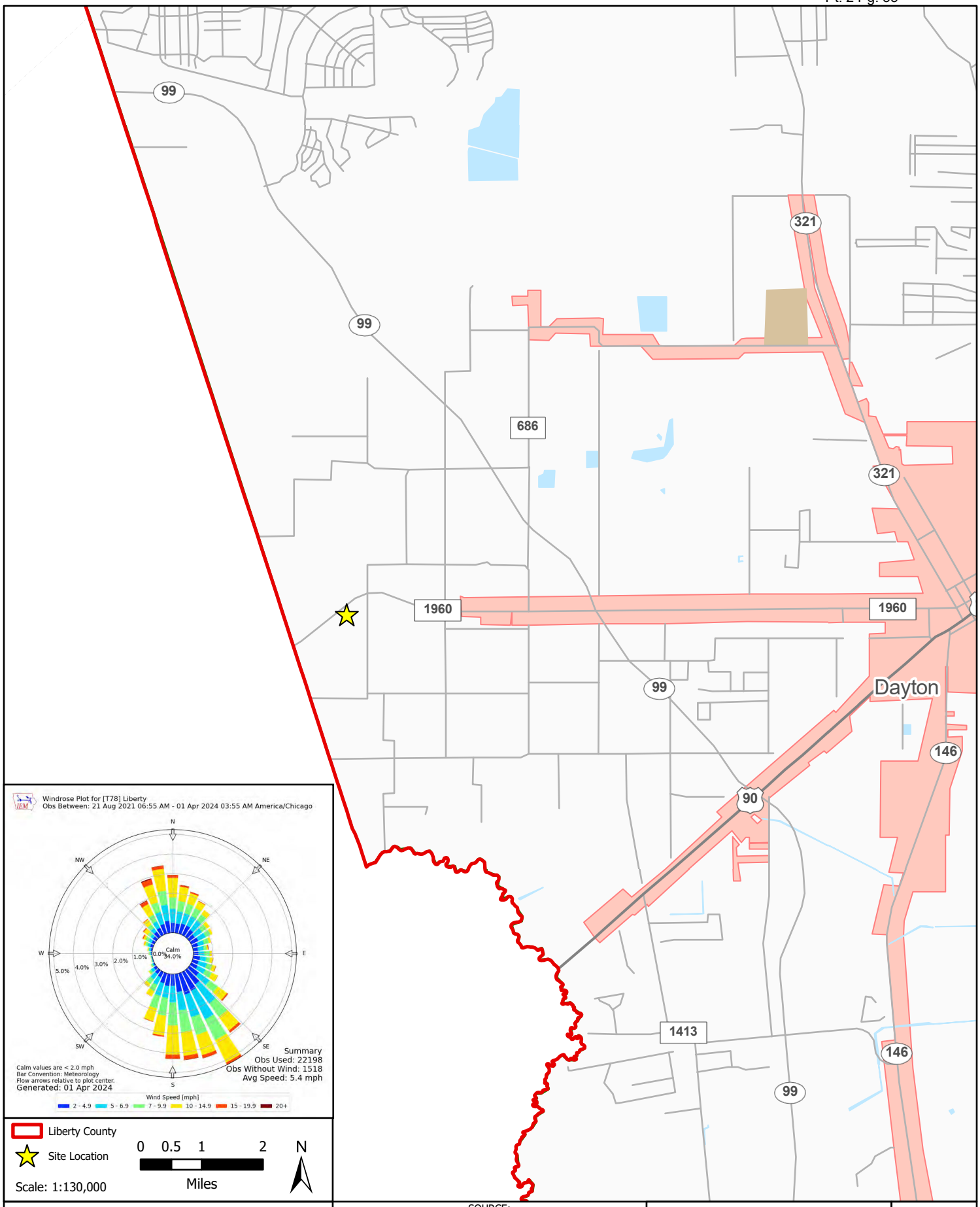
GENERAL LOCATION MAP / WINDROSE

Transfer Station

10185 FM 1960
Dayton, Liberty County, Texas 77535

FIGURE

II-A



RABA KISTNER
1011 W. Lewis Street, Conroe, TX 77301
P 281.210.0084
TBPE Firm F-3257
TBPG Firm 50220

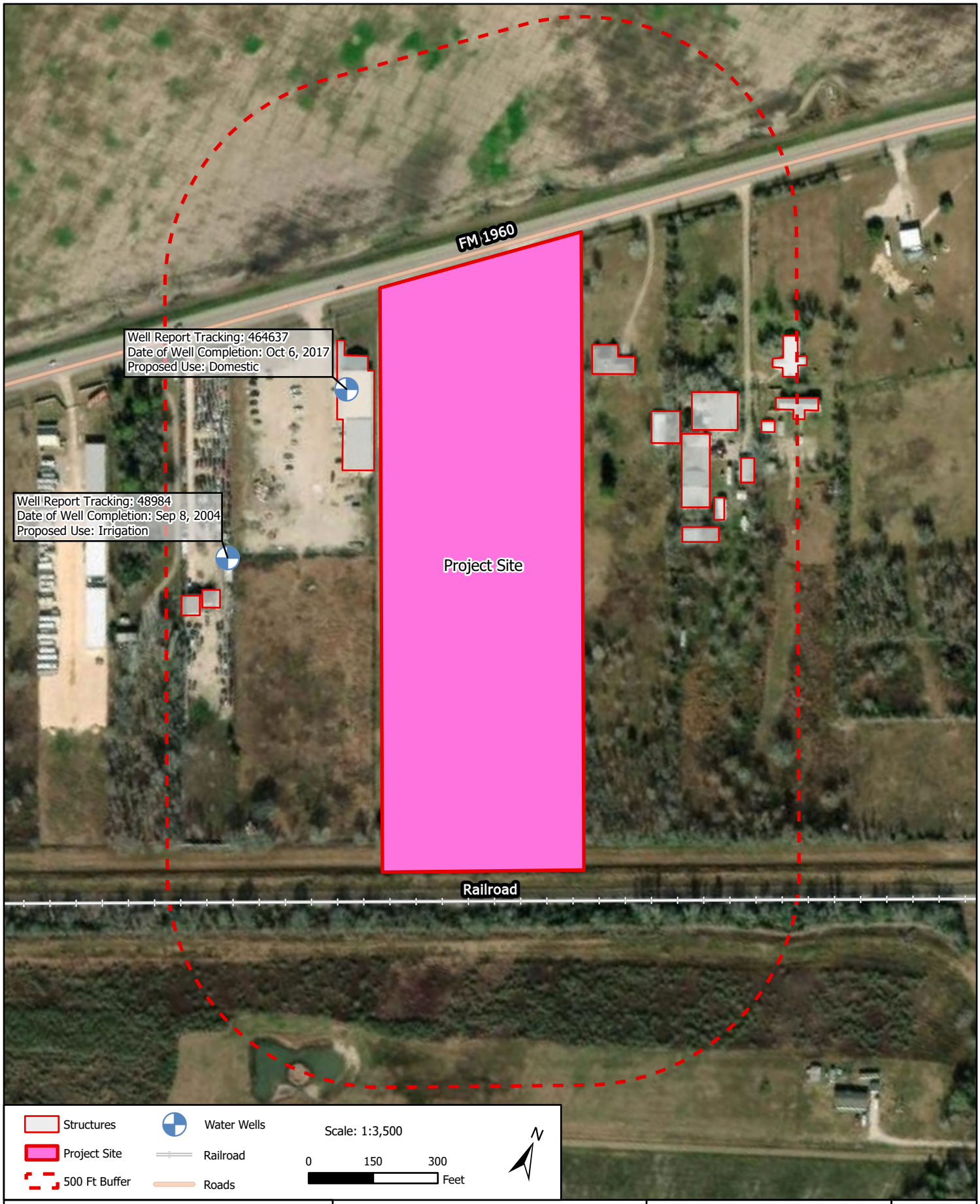
SOURCE:
WINDROSE map obtained from Iowa State University, Iowa Environmental Mesonet.
Basemap: TxDOT Vector Tile Basemap

Drawn By: KFR
Issue Date: 05/10/2024
RKI Project Number: AHF2300405

K2 WASTE SOLUTIONS LLC
GENERAL LOCATION MAP / WINDROSE
Transfer Station
10185 FM 1960
Dayton, Liberty County, Texas 77535

FIGURE
II-A

ATTACHMENT II-B: FEATURES WITHIN 500 FEET



RABA KISTNER
1011 W. Lewis Street, Conroe, TX 77301
P 281.210.0084
TBPE Firm F-3257
TBPG Firm 50220

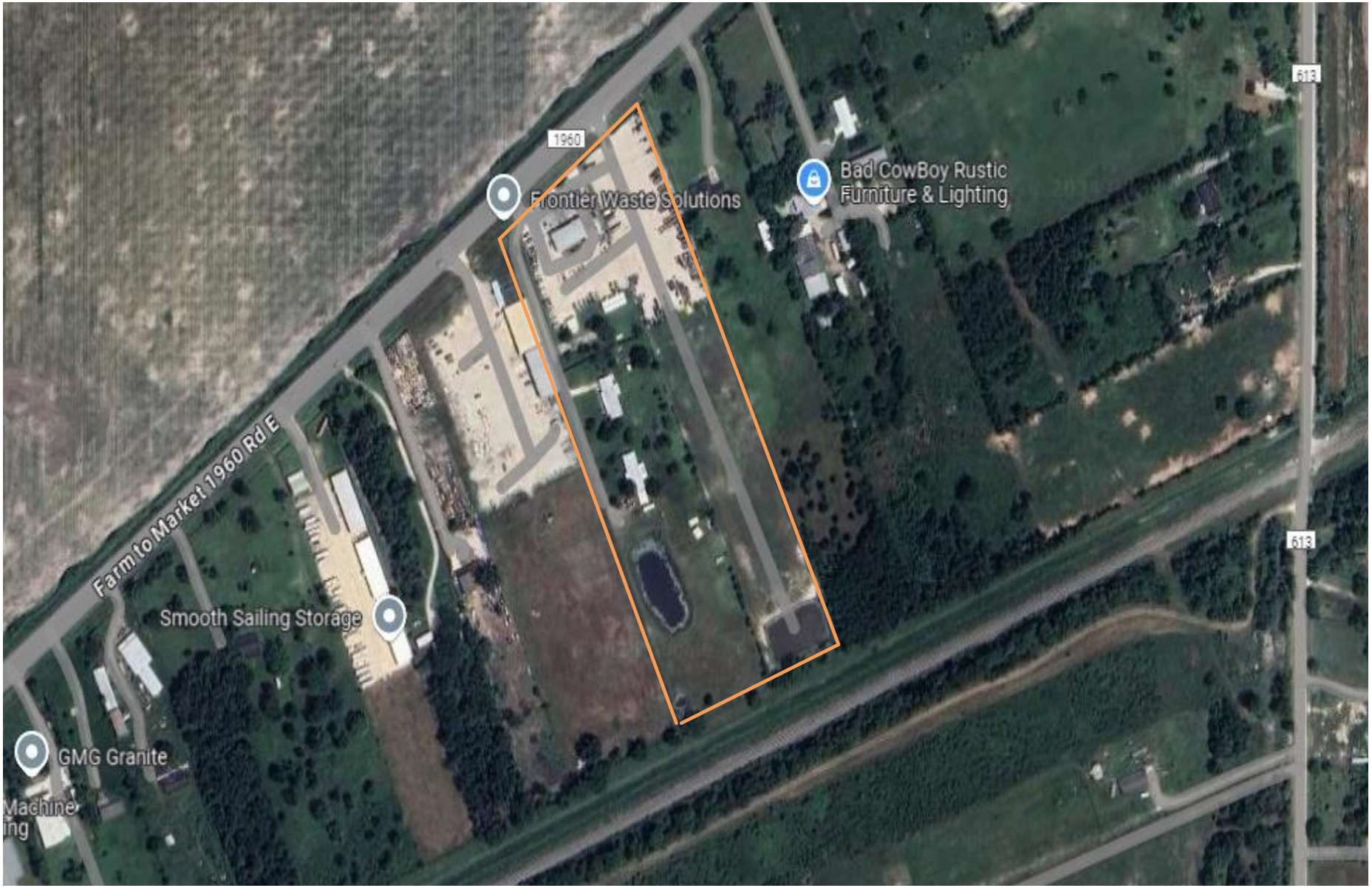
SOURCE:
Water well data obtained from Texas Water Development Board - Well Locations from TWDB Groundwater Database (GWDB) and Well Locations from TWDB Submitted Driller's Reports Database (SDRDB)-Updated nightly.

Drawn By: KFR
Issue Date: 08/26/2024
RKI Project Number: AHF2300405

K2 WASTE SOLUTIONS LLC
GENERAL LOCATION MAP (500ft)
Transfer Station
10185 FM 1960
Dayton, Liberty County, Texas 77535

FIGURE
II-B

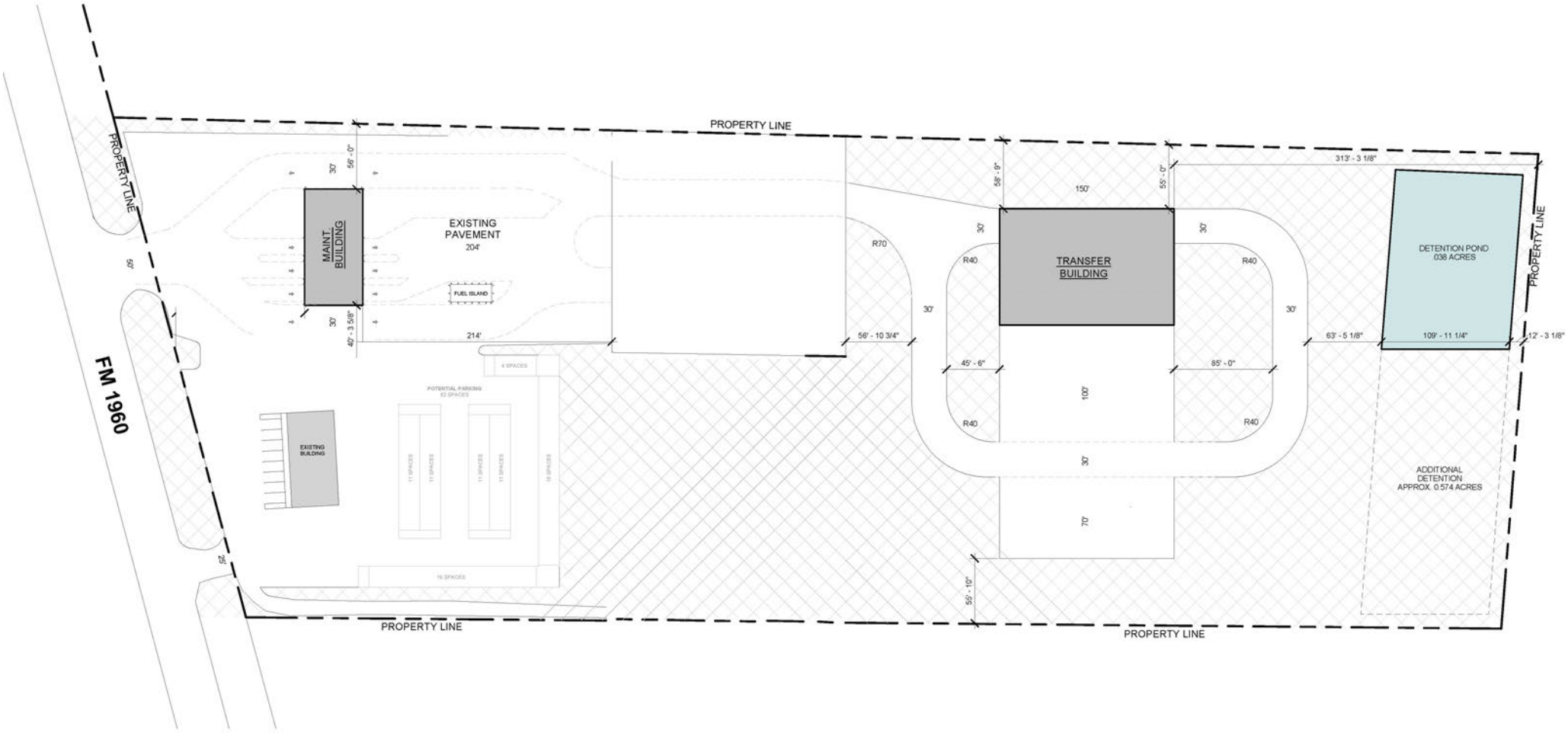
ATTACHMENT II-C: EXISTING AND PROPOSED SITE



Legend:
- Project Site

N

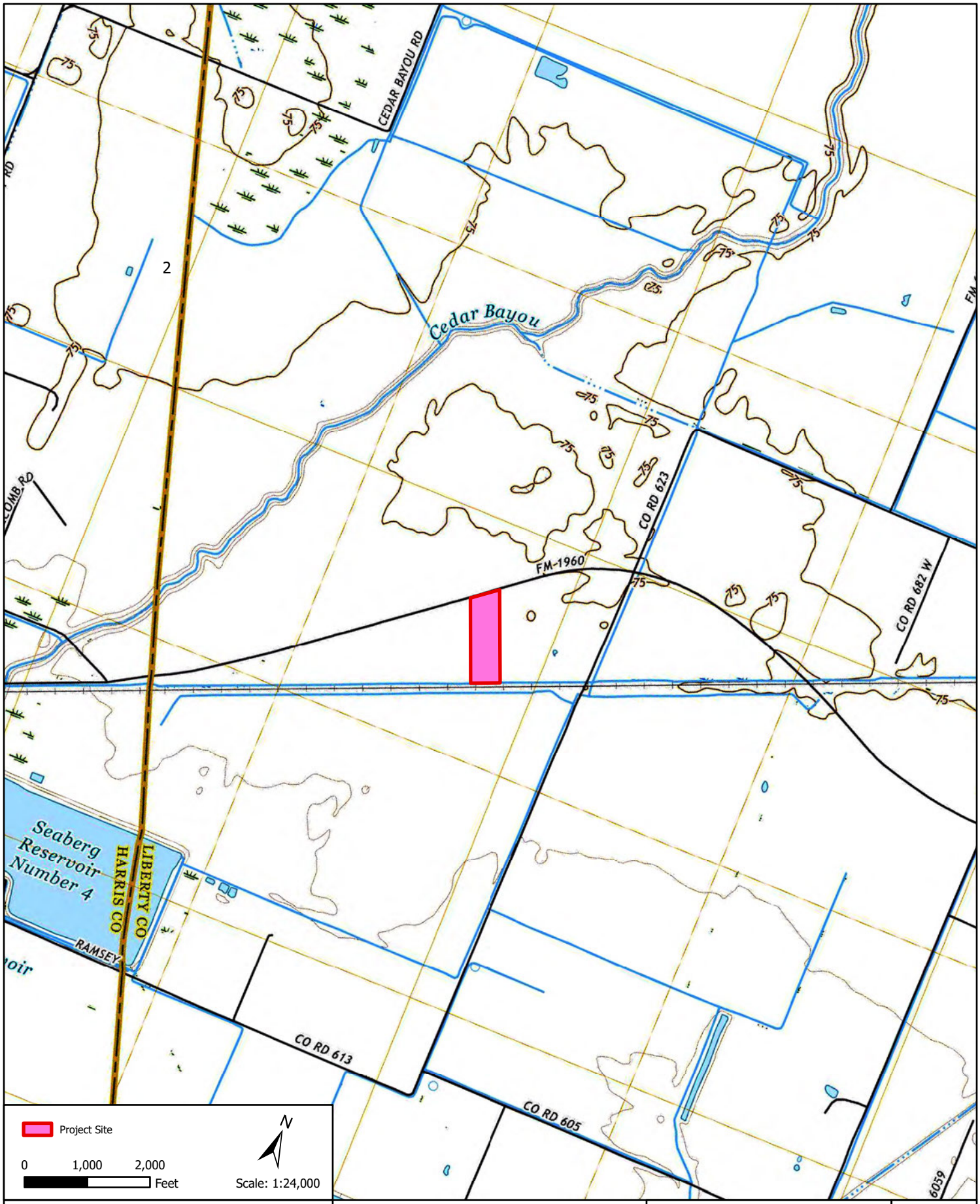
FIGURE	Proposed Site Existing Conditions *Imagery obtained via Google Maps dated 2024	RABA KISTNER
II-C		1011 W. Lewis Street Conroe, TX 77301 281-210-0084 / WWW.RKCI.COM



N

FIGURE	Project Site Proposed Conditions Facility Layout	RABA KISTNER
II-C		1011 W. Lewis Street Conroe, TX 77301 281-210-0084 / WWW.RKCI.COM

ATTACHMENT II-D: USGS 7.5 MINUTE TOPOGRAPHIC MAP



RABA KISTNER
1011 W. Lewis Street, Conroe, TX 77301
P 281.210.0084
TBPE Firm F-3257
TBPG Firm 50220

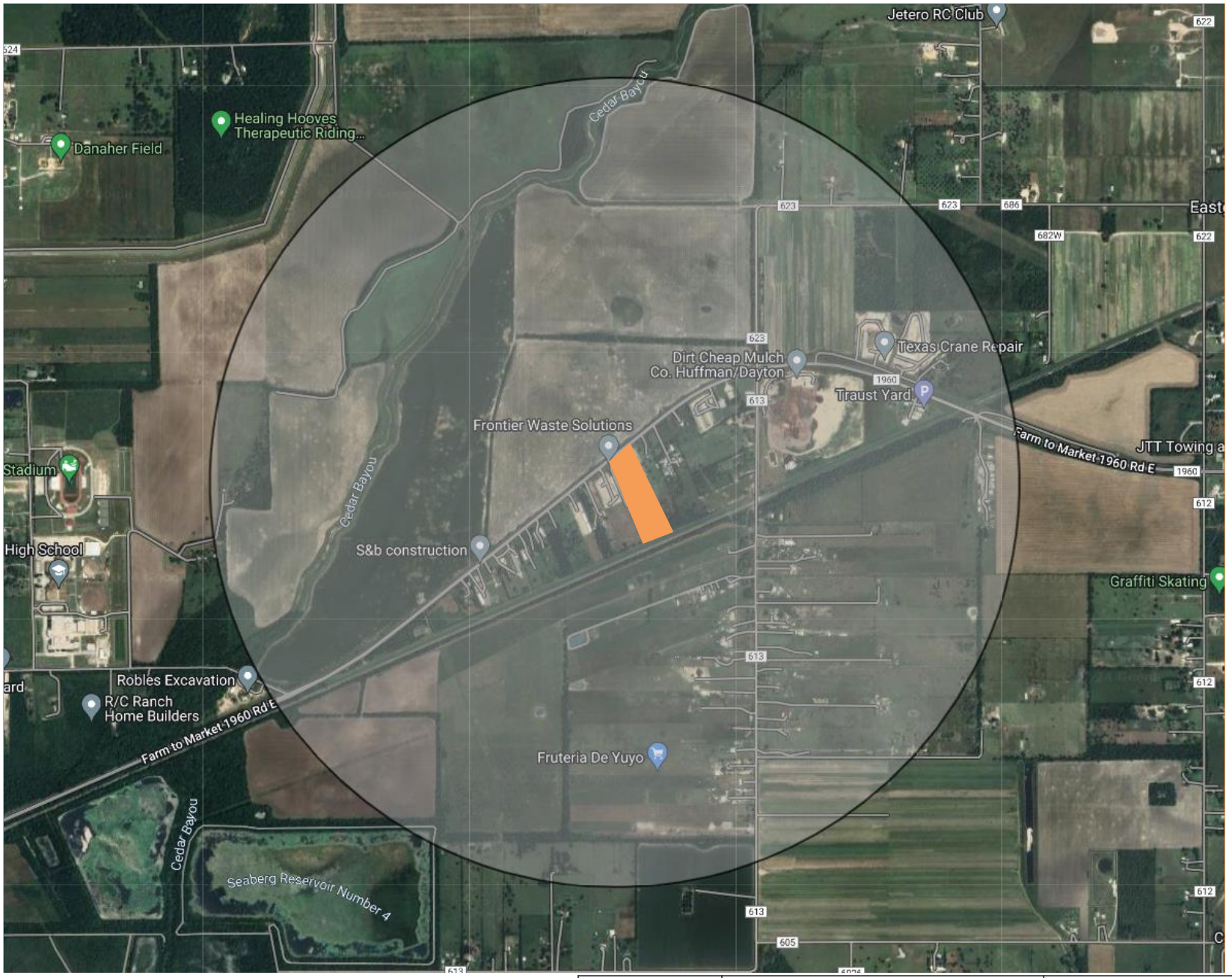
SOURCE:
1) USGS 7.5 Minute Topographic Map, Huffman, Texas Quadrangle (2022)

Drawn By: KFR
Issue Date: 08/26/2024
RKI Project Number: AHF2300405

K2 WASTE SOLUTIONS LLC
USGS TOPOGRAPHIC MAP
Transfer Station
10185 FM 1960
Dayton, Liberty County, Texas 77535

FIGURE
II-D

ATTACHMENT II-E: AERIAL PHOTOGRAPH (1 MILE RADIUS)



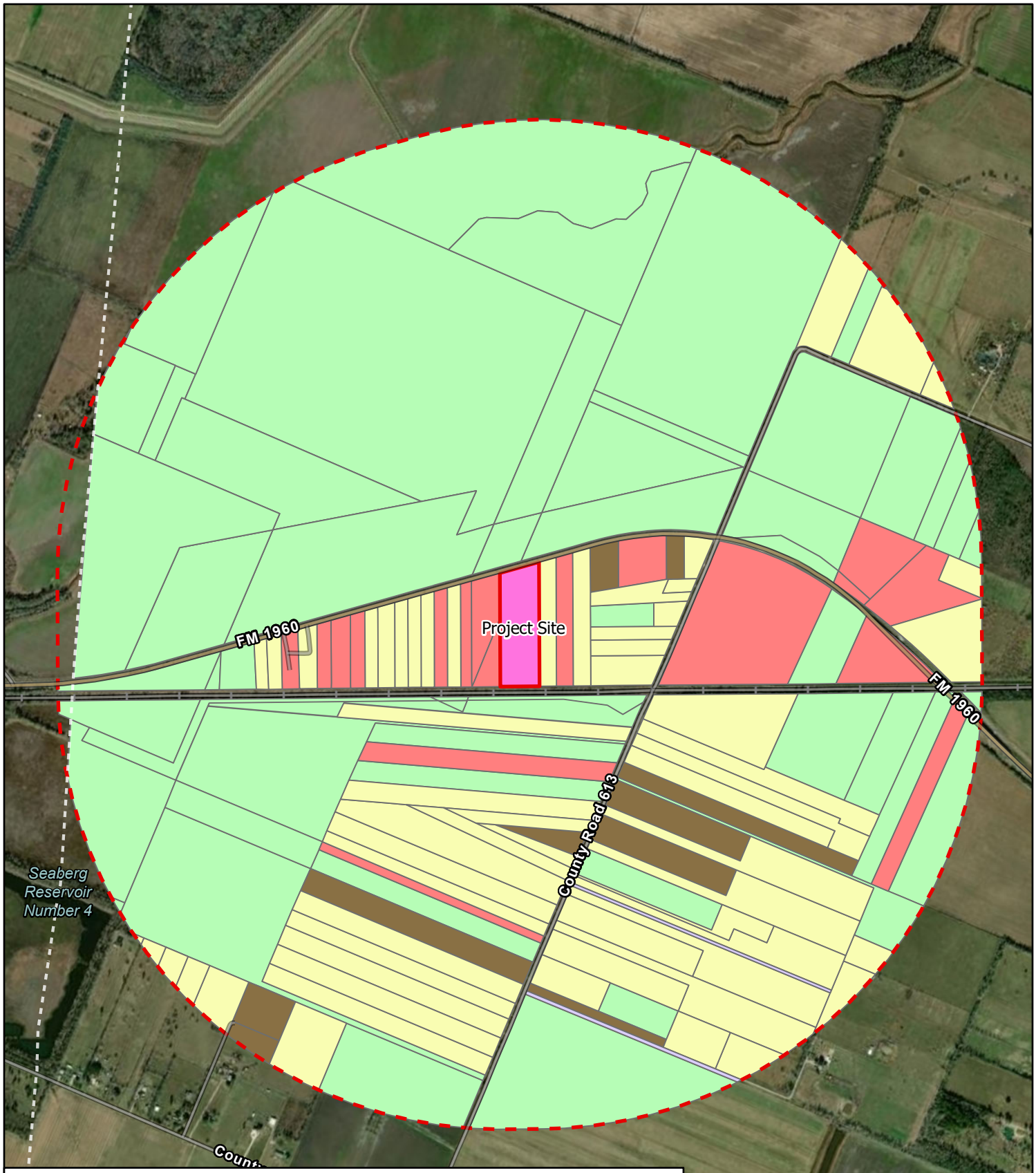
Legend:
- Project Site

The above aerial photograph shows the existing site and areas within 1-mile of its boundaries. Refer to land use map for more information regarding the existing land uses in this area.

N

FIGURE	Aerial Photograph (1-Mile Radius) of K2 Waste Solutions, LLC Proposed Transfer Station	RABA KISTNER 1011 W. Lewis Street Conroe, TX 77301 281-210-0084 / WWW.RKCI.COM
II-E		

ATTACHMENT II-F: LAND USAGE (1 MILE RADIUS)



RABA KISTNER
1011 W. Lewis Street, Conroe, TX 77301
P 281.210.0084
TBPE Firm F-3257
TBPG Firm 50220

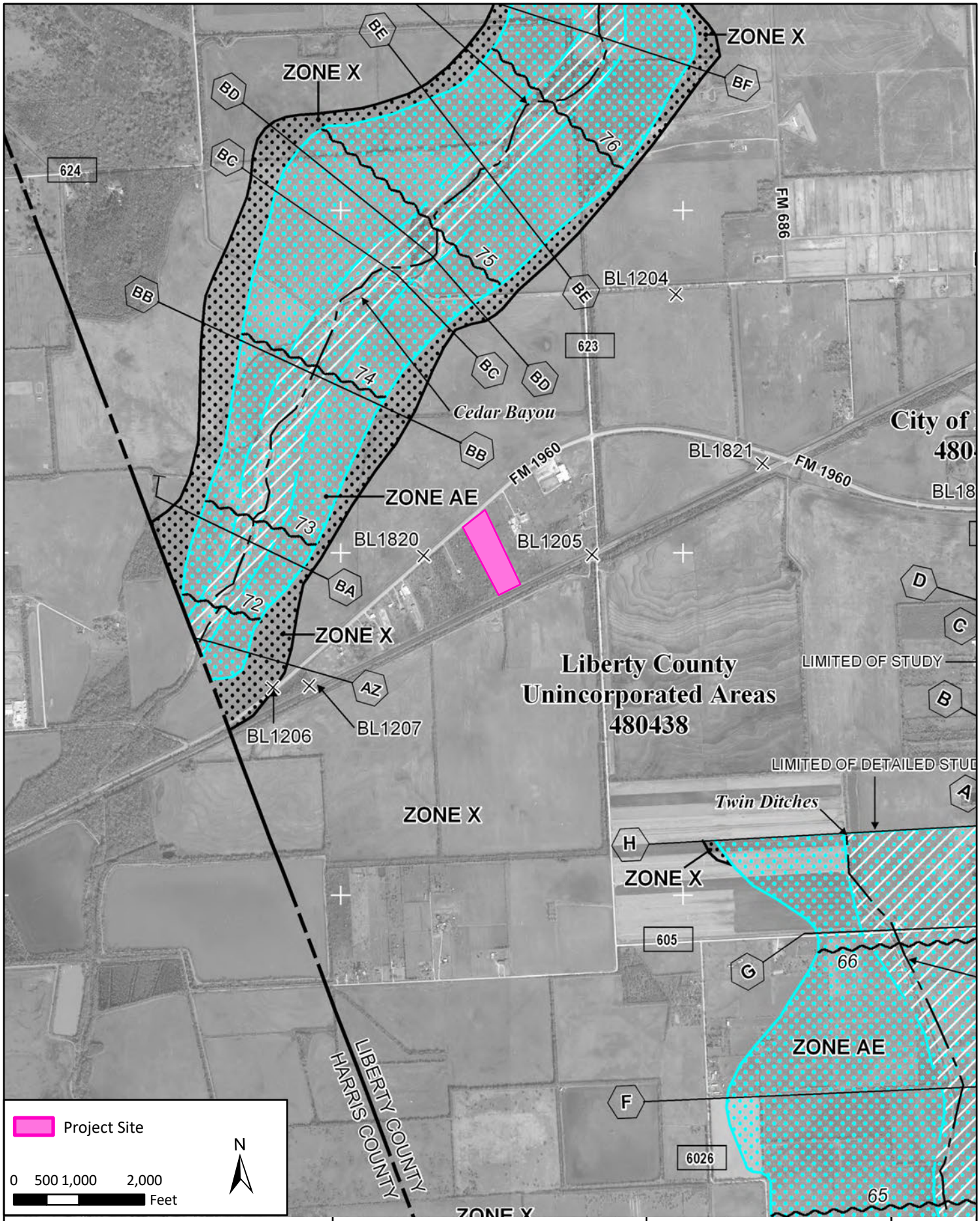
SOURCE:
Parcel data obtained from the Texas Natural Resources Information System (TNRIS). Liberty County, Texas, 2024.

Drawn By: KFR
Issue Date: 08/26/2024
RKI Project Number: AHF2300405

K2 WASTE SOLUTIONS LLC
LAND USE MAP
Transfer Station
10185 FM 1960
Dayton, Liberty County, Texas 77535

FIGURE
II-F

ATTACHMENT II-G: FLOOD PLAIN MAP



RABA KISTNER
1011 W. Lewis Street, Conroe, TX 77301
P 281.210.0084
TBPE Firm F-3257
TBPG Firm 50220

SOURCE:
1) FEMA - Panel Number 0400C.
Map Number 48291C0400C. Effective 05/02/2008.

Drawn By: KFR
Issue Date: 08/26/2024
RKI Project Number: AHF2300405

K2 WASTE SOLUTIONS LLC
FLOOD PLAIN MAP
Transfer Station
10185 FM 1960
Dayton, Liberty County, Texas 77535

FIGURE
II-G

ATTACHMENT II-H: CORRESPONDENCE

Everett Griffith, Jr. & Associates Inc.
ENGINEERS · SURVEYORS

October 6, 2016

Mark Wolfe
State Historic Preservation Officer
Texas Historic Commission
P.O. Box 12276
Austin, TX 78711-2276

RE: K2 Waste Solutions, LLC - Application for Proposed Solid Waste Transfer Station
Review for Compliance with Natural Resources Code

Dear Mr. Wolfe:

K2 Waste Solutions, LLC is in the process of submitting an application to the Texas Commission on Environmental Quality (TCEQ) to acquire a permit for a solid waste transfer station in Liberty County, Texas. The proposed project will take place on a 5 acre site which is located approximately 1.6 miles west of the incorporated limits of the City of Dayton, Texas on FM 1960. At existing conditions, the northern portion of the site is currently commercially developed and the southern portion of the site is currently undeveloped. The developed portion of the site is occupied by buildings, gravel driveway, paved parking area, and appurtenances. The undeveloped portion of the site is grassed with scattered brush and has a man-made retention pond located in the southwest corner of the site. The proposed project calls for the removal of the existing structures and the construction of new driveways, paved parking areas, a new scale house, new transfer building, and appurtenances.

As part of the application process, 30 TAC §330.61(o) requires that a review letter from the Texas Historical Commission documenting compliance with the Natural Resources Code, Chapter 191, Texas Antiquities Code be submitted with the transfer station permit application. The purpose of this letter is to request such a review from your office. We have taken the liberty of including the following attachments herewith in order to aid in your review:

- General Location Map and Windrose - This map shows the location of the project site in Liberty County with respect to the City of Dayton, roadways, and other features.
- Features within 500 feet of the Project Site - A recent aerial photograph that has been modified to show the boundaries of the project site. Relevant features within 500 feet of the site have been noted.
- Project Site at Existing Conditions - A recent aerial photograph showing the project site at current conditions.
- Project Site at Proposed Conditions - A recent aerial photograph of the site with the proposed site improvements superimposed upon it and clearly labeled. Note that all of the proposed site improvements will take place within the existing site boundaries. No adjacent properties will be modified as a result of the proposed site improvements.

408 North Third Street
P.O. Box 1746
Lufkin, Texas 75902-1746
936/634-5528 · FAX # 936/634-7989
admin@everettgriffith.com

Texas Engineering Firm No. F-1156
Texas Surveying Firm No. 10029100

- USGS Topographic Map of the Project Site - This exhibit shows relevant portions of the 7.5 minute USGS map of the *Huffman, Texas* Quadrangle. The map has been modified to show the boundaries of the project site.

- Flood Plain Map - This map shows relevant portions of the *FEMA Flood Insurance Rate Map for Liberty County, Texas and Incorporated Areas* with the project site superimposed upon it.

If you have any questions, comments, or require any additional information, please contact me via e-mail at *bstaehs@everettgriffith.com* or by phone at (936) 634-5528.

Sincerely,

Bob Staehs, P.E.
Project Manager

Encl

Everett Griffith, Jr. & Associates Inc.
ENGINEERS • SURVEYORS

October 6, 2016

Mr. Jack Steele, Executive Director
Houston-Galveston Area Council
Gulf Coast Planning Region (16)
P.O. Box 22777
3555 Timmons Lane, Suite 120

RE: K2 Waste Solutions LLC - Proposed Transfer Station

Dear Mr. Steele:

K2 Waste Solutions, LLC is in the process of submitting an application to the Texas Commission on Environmental Quality (TCEQ) to acquire a permit for a solid waste transfer station in Liberty County, Texas. In keeping with the requirements of 30 TAC §330.61(p), draft copies of Parts I and II of the application are attached herewith for your review in accordance with any regional solid waste plans that may be in place. Should you have any comments, please do not hesitate to let us know. If you have none, you can acknowledge that you have reviewed the document and have no comments to me by email at [redacted]

Sincerely,

Bob Staehs, P.E.
Project Manager

encl

408 North Third Street
P.O. Box 1746
Lufkin, Texas 75902-1746
936/634-5528 • FAX # 936/634-7989
[redacted]

Texas Engineering Firm No. F-1156
Texas Surveying Firm No. 10029100

Everett Griffith, Jr. & Associates Inc.
ENGINEERS • SURVEYORS

RECEIVED
OCT 12 2016
Texas Historical Commission

October 6, 2016

Mark Wolfe
State Historic Preservation Officer
Texas Historic Commission
P.O. Box 12276
Austin, TX 78711-2276

RE: K2 Waste Solutions, LLC - Application for Proposed Solid Waste Transfer Station
Review for Compliance with Natural Resources Code

Dear Mr. Wolfe:

K2 Waste Solutions, LLC is in the process of submitting an application to the Texas Commission on Environmental Quality (TCEQ) to acquire a permit for a solid waste transfer station in Liberty County, Texas. The proposed project will take place on a 5 acre site which is located approximately 1.6 miles west of the incorporated limits of the City of Dayton, Texas on FM 1960. At existing conditions, the northern portion of the site is currently commercially developed and the southern portion of the site is currently undeveloped. The developed portion of the site is occupied by buildings, gravel driveway, paved parking area, and appurtenances. The undeveloped portion of the site is grassed with scattered brush and has a man-made retention pond located in the southwest corner of the site. The proposed project calls for the removal of the existing structures and the construction of new driveways, paved parking areas, a new scale house, new transfer building, and appurtenances.

As part of the application process, 30 TAC §330.61(o) requires that a review letter from the Texas Historical Commission documenting compliance with the Natural Resources Code, Chapter 191, Texas Antiquities Code be submitted with the transfer station permit application. The purpose of this letter is to request such a review from your office. We have taken the liberty of including the following attachments herewith in order to aid in your review:

- General Location Map and Windrose - This map shows the location of the project site in Liberty County with respect to the City of Dayton, roadways, and other features.
- Features within 500 feet of the Project Site - A recent aerial photograph that has been modified to show the boundaries of the project site. Relevant features within 500 feet of the site have been noted.
- Project Site at Existing Conditions - A recent aerial photograph showing the project site at current conditions.
- Project Site at Proposed Conditions - A recent aerial photograph of the site with the proposed site improvements superimposed upon it and clearly labeled. Note that all of the proposed site improvements will take place within the existing site boundaries. No adjacent properties will be modified as a result of the proposed site improvements.

RECEIVED
NOV 02 2016

408 North Third Street
P.O. Box 1746
Lufkin, Texas 75902-1746
936/634-5528 • FAX # 936/634-7989

Texas Engineering Firm No. F-1156
Texas Surveying Firm No. 10029100

- USGS Topographic Map of the Project Site - This exhibit shows relevant portions of the 7.5 minute USGS map of the *Huffman, Texas* Quadrangle. The map has been modified to show the boundaries of the project site.

- Flood Plain Map - This map shows relevant portions of the *FEMA Flood Insurance Rate Map for Liberty County, Texas and Incorporated Areas* with the project site superimposed upon it.

If you have any questions, comments, or require any additional information, please contact me via e-mail at *bstaehs@everettgriffith.com* or by phone at (936) 634-5528.

Sincerely,

Bob Staehs, P.E.
Project Manager

ANTIQUITIES CODE OF TEXAS REVIEW
NO SURVEY REQUIRED
PROJECT MAY PROCEED
by _____
for Mark Wolfe
Executive Director, THC
Date 10/25/16
Track# _____

Encl.

Everett Griffith, Jr. & Associates Inc.
ENGINEERS • SURVEYORS

November 29, 2016

Tucker Ferguson, P.E.
Texas Department of Transportation
Beaumont District
8350 Eastex Freeway
Beaumont, TX 77708

RE: K2 Waste Solutions, LLC - Application for Proposed Solid Waste Transfer Station

Dear Mr. Ferguson:

K2 Waste Solutions, LLC has submitted an application to the Texas Commission on Environmental Quality (TCEQ) to acquire a permit for a solid waste transfer station in Liberty County, Texas. The proposed project will take place on a 5 acre site which is located approximately 1.6 miles west of the incorporated limits of the City of Dayton, Texas on FM 1960. The proposed project calls for the construction of a new interior driveway to connect the facility with FM 1960. We will coordinate with your office during the design phase for the proposed site entrance from FM 1960. If you have any questions, comments, or require any additional information with regard to this project, please contact me via e-mail a[redacted] or by phone at (936) 634-5528.

Sincerely,

Bob Staehs, P.E.
Project Manager

408 North Third Street
P.O. Box 1746
Lufkin, Texas 75902-1746
936/634-5528 • FAX # 936/634-7989
[redacted]

Texas Engineering Firm No. F-1156
Texas Surveying Firm No. 10029100

K2 WASTE SOLUTIONS, LLC
WASTE TRANSFER STATION
MSW PERMIT No. 2394A

MAJOR PERMIT AMENDMENT
PART III

PREPARED BY:

RABA KISTNER, INC.
19111 NORTH DALLAS PARKWAY, SUITE 310
DALLAS, TX 75287

RKI PROJECT NO. AHF2300405

JULY 2024
REV. SEPT. 2024

September 9, 2024

Project No. AHF2300405
K2 Waste Solutions, LLC Waste Transfer Station – Part III

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PROFESSIONAL ENGINEER (P.E.) CERTIFICATION:

SIGNATURE: 

NAME: Howard M. Barrett, PE COMPANY:

Raba Kistner, Inc.

TITLE: Vice President / Principal Engineer, PE

DATE: September 9, 2024

PE Registration Number
Texas No. 126292

Project No. AHF2300405
K2 Waste Solutions, LLC Waste Transfer Station – Part III

PART III: SITE DEVELOPMENT PLAN

K2 WASTE SOLUTIONS, LLC WASTE TRANSFER STATION

This is an application to amend an authorization for a solid waste transfer facility to be located approximately 1.6 miles west of the City of Dayton along FM 1960 in Liberty County, Texas. This facility will be located slightly beyond the extraterritorial jurisdiction of the City of Dayton. It will be designed to accommodate a maximum throughput of 1,500 tons of solid waste per day. This document is Part III of the MSW permit/registration application for the K2 Waste Solutions, LLC Waste Transfer Station and consists of the information required by Title 30, Texas Administrative Code (TAC), Chapter 330, Subchapter 8: Municipal Solid Waste Permit Registration Application Procedures, 30 TAC §330.63. The sections herein are divided by rule citation.

Project No. AHF2300405
K2 Waste Solutions, LLC Waste Transfer Station – Part III

SECTION 1: GENERAL FACILITY DESIGN [30 TAC §330.63(b)]

The proposed K2 Waste Solutions, LLC Waste Transfer Station will be designed to accommodate a throughput of 1,500 tons of solid waste per day, with overnight storage of up to 900 tons per day. The following sections describe the general design aspects of the existing facility and address the proposed renovations as applicable:

1.1 FACILITY ACCESS [30 TAC §330.63(b)(1)] - The proposed transfer station will be enclosed by a six-foot tall chain link fence. Access to the facility is via a single driveway to FM 1960 and this entrance will be equipped with a gate. The gate will be monitored during facility operations to prevent unauthorized vehicles from accessing the facility. The gate will be locked on nights, holidays, or any other time the facility will be unattended by K2 Waste Solutions personnel.

1.2 WASTE MOVEMENT [30 TAC §330.63(b)(2)] - The following sections describe the generalized process design and working plan of the overall facility:

1.2.1 FLOW DIAGRAM [30 TAC §330.63(b)(2)(A)] - The figure in Attachment III-A shows a flow diagram indicating storage and processing sequences for the solid waste received.

1.2.2 SCHEMATICS [30 TAC §330.63(b)(2)(8)] - The figure in Attachment III-B shows a schematic view drawing showing the various stages of collection and processing of solid wastes received at the facility.

1.2.3 VENTILATION AND ODOR CONTROL MEASURES [30 TAC §330.63(b)(2)(C)] - The proposed transfer station will include a covered building. The proposed working floor area will be covered by a roof to protect from rainfall. However, this building will not be a completely enclosed structure, so all working areas are well-ventilated. This operation, the operator, and the individuals unloading at the station are not expected to suffer due to lack of proper ventilation.

The design capacity of the K2 Waste Services Transfer Station will not be exceeded during operation. Solid waste accumulated at the facility will be processed within such time as will preclude the creation of odors, insect breeding, or harborage of other vectors. If such accumulations occur, additional solid waste will not be received until the adverse conditions are abated. In no event will solid waste be stored at the transfer station longer than 72 hours prior to transport off-site. Each transfer trailer will be filled and dispatched to a TCEQ-approved landfill as rapidly as possible.

If nuisance odors are found to be passing the facility boundary, the operator may suspend operations until the nuisance is abated or immediately take action to abate the nuisance.

The facility will restrict additional solid waste receipt if a significant work stoppage should occur due to a mechanical breakdown or other causes. Under such circumstances, incoming solid waste will be diverted to an approved backup storage, processing, or

disposal facility. If the work stoppage is anticipated to last long enough to create objectionable odors, insect breeding, or harborage of vectors, steps will be taken to remove the accumulated solid waste from the facility to an approved backup storage, processing, or disposal facility within 72 hours.

1.2.4 GENERALIZED CONSTRUCTION DETAILS [30 TAC §330.63(b)(2)(D) and (E)] - The proposed facility and its units are shown on the figure in Attachment III-C. The facility will be accessible from FM 1960 via the entrance driveway. The facility will be equipped with covered transfer building with a drive-through design. The working floors will be slightly above natural ground level and accessible from the proposed exterior concrete pad and driveways. Collection vehicles will be able to enter the transfer building and deposit their loads onto the working floors, from which point the solid waste will be transferred to bins by facility equipment (i.e., front end loaders). Those bins will then be loaded onto trucks when full and delivered to a landfill for final disposal. This facility will be partially enclosed to protect it from rainfall and also equipped with floor drains to accommodate wash water.

In addition to those areas, the facility will also be equipped with a scale house, office, and maintenance building. The site will be screened by fencing at its front and back.

1.2.5 CONTAINMENT DIKES OR WALLS [30 TAC §330.63(b)(2)(F)] - The tip floor will be equipped with drains to direct wash water or other liquids to the proposed oil-sand separator and holding tank. The site will be graded so that all stormwater runoff is directed away from the processing areas. In addition, the tip floor areas will be sloped to prevent any runoff from entering the area and to prevent any wash water or other contaminated water from flowing out of the area into the surrounding grassed area. Instead, the tip floor will be sloped so as to direct wash water toward the proposed drains, thence to the proposed oil/water separator and holding tank.

1.2.6 STORAGE OF GREASE, OIL, AND SLUDGE [30 TAC §330.63(b)(2)(G)] - This item is not applicable for this facility.

1.2.7 DISPOSITION OF EFFLUENT [30 TAC §330.63(b)(2)(H)] - Wash water and contaminated water generated will be taken to a TCEQ-approved facility for treatment and final disposal. All wash water and contaminated water will be directed to the holding tank, from which it will be removed on an as-needed basis by a licensed hauler.

1.2.8 NOISE POLLUTION CONTROL [30 TAC §330.63(b)(2)(I)] - Existing trees and bushes are sparse at the site and provide limited screening for the facility. The areas to the north and south are currently undeveloped. However, the area to the west is commercially developed and the area to the east appears to be residentially developed. However, the majority of the site operations will be conducted on the south end of the project site; while the nearest residence appears to be located approximately 30 feet from the closest

site boundary but approximately 735 feet from the proposed drop-off building itself. In addition, all operating areas and transport unit storage areas will be enclosed by fencing. Transfer operations are conducted in the drop-off building, which is an enclosed structure which should limit the amount of noise pollution associated with daily operations at the facility.

1.3 SANITATION [30 TAC §330.63(b)(3)(A) thru (D)] - The working floors are designed to facilitate proper cleaning. The walls and floors in the operating areas are constructed of hard-surfaced materials that can be hosed down and scrubbed as needed. These areas are protected from rain by a covering roof and the surrounding external areas will be graded to direct runoff away from the facility. The working floors will be gently sloped so as to direct wash water to floor drains. Wash-water and any other contaminated water will be directed to the proposed oil-sand separator and holding tank. This holding tank will be emptied on an as-needed basis by a vacuum truck and hauled to a TCEQ-approved facility for treatment and final disposal.

A septic system will be utilized to service the employee bathrooms and hand-washing areas.

1.4 WATER POLLUTION CONTROL [30 TAC §330. 63(b)(4)] - Wastewater resulting from cleaning and washing will be directed via drain to the proposed oil-sand separator and holding tank. Any rainwater coming into contact with the waste will also be collected and sent to the holding tank. This holding tank will be emptied on an as-needed basis by vacuum truck and hauled to a TCEQ-approved facility for treatment and final disposal.

1.5 ENDANGERED SPECIES PROTECTION [30 TAC §330.63(b)(5)] - The permitting of this facility to serve as a solid waste transfer station is not expected to impact threatened or endangered species or their critical habitat because the majority of this site has been developed. The undeveloped portions of the site are located adjacent to residential and commercial areas and are bordered by a railroad track, and thus are unlikely to harbor endangered species. The proposed site improvements and operation of the facility will not result in the destruction or adverse modification of critical habitat of endangered or threatened species, or cause or contribute to the taking of any endangered or threatened species. As a result, no special design features will be necessary at the site to protect endangered species.

Project No. AHF2300405
K2 Waste Solutions, LLC Waste Transfer Station – Part III

SECTION 2: SURFACE WATER DRAINAGE [30 TAC §330.63(c)]

Operations involving solid waste transfer will be conducted in the covered drop-off area which will protect them from rainfall. In addition, the building itself will be located such that the proposed contouring of the site will prevent runoff from adjacent areas from entering the facility. Any rainwater that might come into contact with the waste will be collected via the facility drains and directed to the proposed oil-sand separator and holding tank. This holding tank will be emptied on an as-needed basis by vacuum truck and hauled to a TCEQ-approved facility for treatment and final disposal.

There will be no runoff directed into the working areas of the facility under normal operating conditions. The site will be graded so that all runoff is directed away from the transfer building. The interior of the transfer building will be constructed so as to direct all wash water generated at the facility (or any other contaminated water) to drains, thence to the proposed oil-water separator and holding tank. The tank will be emptied by vacuum truck on an as-needed basis by a certified hauler.

All site improvements will be constructed, maintained, and operated to manage run-on and runoff during the peak discharge of the 25-year rainfall event. The improvements will be constructed, maintained, and operated to prevent the off-site discharge of waste, in-process, or processed materials.

Wash water is the only waste expected to be generated by this transfer station. It will be managed in accordance with TAC §330.207 (Contaminated Water Management). No contaminated water is allowed to pond at the transfer station or to run off as surface flow. All liquids resulting from the operation of the transfer station will be disposed of in a manner that will not cause surface water or groundwater pollution. Wastewater resulting from cleaning and washing will be directed via drain to the proposed oil-sand separator and proposed holding tank. The holding tank will be emptied on an as-needed basis and haled via vacuum truck to a TCEQ-approved facility for final disposal. The operator will not discharge contaminated water without specific written authorization.

An on-site septic system will be provided to accommodate the domestic wastewater generated by the employee bathrooms.

2.1 **DRAINAGE ANALYSIS [30 TAC §330.63(c)(1)]** - This requirement appears to be required solely for landfill applications and as such is not applicable for this facility.

2.2 **FLOOD CONTROL AND ANALYSIS [30 TAC §330.63(c)(2)]** - The facility is not located within the 100-year floodplain. The attachments of Part II of this application show relevant portions of the most recent flood map of the area with the K2 Waste Solutions Transfer Station's boundaries superimposed onto it. As indicated therein, no portion of the facility is located within the 100-year floodplain of any of the creeks in the area.

Project No. AHF2300405
K2 Waste Solutions, LLC Waste Transfer Station – Part III

SECTION 3: WASTE MANAGEMENT UNIT DESIGN [30 TAC §330.63(d)]

3.1 STORAGE AND TRANSFER UNITS [30 TAC §330.63(d)(1)] - The following sections provide a brief description of the storage and transfer units at the K2 Waste Solutions Transfer Station:

3.1.1 DETENTION OF SOLID WASTE [30 TAC §330.63(d)(1)(A)] - The facility will be designed for the rapid processing and minimum detention of solid waste at the facility. The design capacity of the transfer station will not be exceeded during operation. Solid waste accumulated at the facility will be processed within such time as will preclude the creation of odors, insect breeding, or harborage of other vectors. If such accumulations occur, additional solid waste will not be received until the adverse conditions are abated. In no event will solid waste be stored in the transfer station longer than 72 hours prior to transport off- site. Each transfer trailer will be filled and dispatched to a TCEQ-approved landfill as rapidly as possible.

3.1.2 SPILL CONTROL [30 TAC §330.63(d)(1)(B)] - The facility will be equipped with transfer trailers that hold 100 cubic yards of solid waste (approximately 30 tons of compacted solid waste) each. Approximately 30 trailers will be required for the facility at the proposed maximum storage volume of 1,500 tons of municipal waste assuming the waste is compacted. These trailers will be loaded with waste from the collection vehicles which deposit solid waste at the facility. The trailers will be located in the transfer building adjacent to the proposed working floors. The trailers are filled, removed from the loading area, loaded onto transport trucks, and then driven to the receiving landfill. When a tailer is filled, it will be covered and dispatched to the receiving landfill and a new trailer will then be placed to begin receiving waste. In the event that a transport truck is not immediately available, the full trailer can be stored in the designated storage area identified on the figure in Attachment III-C until a transport truck becomes available so that a new trailer can be immediately placed into service. All solid waste-containing food wastes stored outside the Transfer Building will be in covered or closed containers that are leakproof, durable, and designed for safe handling and easy handling. The containers must be maintained in a condition so that they do not constitute a nuisance and to retard the harborage, feeding, and propagation of vectors. The mechanically handled containers are designed to prevent spillage or leakage during storage, handling, and transport.

The transfer station is designed to collect all contaminated water and direct it to the proposed oil-sand separator and holding tank. Drains will be provided to direct facility wash water or any other contaminated water to the holding tank. The holding tank has been designed to control and contain a worst-case spill or release. No contaminated water will be allowed to pond on the surface or run off as surface drainage. All liquids resulting from the operation of the transfer station will be directed to the holding tank which will be emptied on an as-needed basis and the contents hauled via vacuum truck to an approved treatment facility where it will be disposed of in a manner that will not cause surface water or groundwater pollution. The proposed oil/sand separator and proposed holding tank have maximum storage volumes of 1,000 gallons each. These are closed top

tanks. The holding tank and oil/water separator will be monitored daily to ensure that no overflows or other discharges occur.

3.1.3 MAXIMUM ALLOWABLE STORAGE TIME [30 TAC §330.63(d)(1)(C)] - In no event will solid waste be stored at the transfer station longer than 72 hours prior to transport off- site.

3.2 INCINERATION UNITS [30 TAC §330.63(d)(2)] - This item is not applicable for this facility. This solid waste transfer station will not be equipped with an incinerator.

3.3 SURFACE IMPOUNDMENTS [30 TAC §330.63(d)(3)] - This item is not applicable for this facility. This solid waste transfer station will not utilize impoundments for the storage of waste.

3.4 LANDFILL UNITS AND ARID LANDFILL EXEMPTIONS (30 TAC §330.63(d)(4) and (5)) - These items are not applicable for this solid waste transfer station.

3.5 TYPE V MOBILE LIQUID WASTE PROCESSING UNITS (30 TAC §330.63(d)(6)] - This item is not applicable for this solid waste transfer station.

3.6 TYPE IX ENERGY, MATERIAL, GAS RECOVERY FOR BENEFICIAL USE, OR LANDFILL MINING WASTE PROCESSING UNITS (30 TAC §330.63(d)(7)] - This item is not applicable for this solid waste transfer station.

3.7 COMPOST UNITS [30 TAC §330.63(d)(8)] - Not applicable. This solid waste transfer station will not be equipped with composting units.

3.8 TYPE VI WASTE PROCESSING DEMONSTRATION FACILITIES (30 TAC §330.63(d)(9)] - This item is not applicable for this solid waste transfer station.

Project No. AHF2300405
K2 Waste Solutions, LLC Waste Transfer Station – Part III

SECTION 4: GEOLOGY REPORT [30 TAC §330.63(e)]

This requirement is for landfills and compost units. As such, it does not appear to be applicable for this application for a solid waste transfer station.

Project No. AHF2300405
K2 Waste Solutions, LLC Waste Transfer Station – Part III

SECTION 5: GROUNDWATER SAMPLING AND ANALYSIS [30 TAC §330.63(f)]

This requirement appears to be addressed to landfills. As such, it does not appear to be applicable for this application for a solid waste transfer station.

Project No. AHF2300405
K2 Waste Solutions, LLC Waste Transfer Station – Part III

SECTION 6: LANDFILL GAS MANAGEMENT PLAN [30 TAC §330.63(9)]

This requirement is for landfills and thus is not applicable for this solid waste transfer station.

Project No. AHF2300405
K2 Waste Solutions, LLC Waste Transfer Station – Part III

SECTION 7: CLOSURE PLAN [30 TAC §330.63(h)]

The requirements of 30 TAC §330.63(h) states that the closure plan must be prepared in accordance with Subchapter K of 30 TAC §330:

7.1 NOTIFICATION - In compliance with the requirements of 30 TAC §330.46 1(a), the owner or operator shall provide public notice for final facility closure through a public notice in the newspaper of largest circulation in the vicinity of the facility no later than 90 days prior to the initiation of a final closure. The notice shall provide the name, address, physical location of the facility, permit number, and the last date of intended receipt of waste. An adequate number of copies of the approved final closure plan will be made available for public access and review.

The owner or operator shall also provide written notification to the Executive Director of the intent to close the facility and place this notice of intent in the operating record. In accordance with 30 TAC §330.461(b), upon notification to the Executive Director, the owner or operator shall post a minimum of one sign at the main entrance and all other frequently used points of access for the facility notifying all persons who may utilize the facility of the date of closing for the entire facility and the prohibition against further receipt of waste materials after the stated date. Suitable barriers shall be installed at all gates or access points to adequately prevent the unauthorized dumping of solid waste at the closed facility.

7.2 CLOSURE ACTIVITIES - All waste and waste residues will be removed from the site prior to closure, and no waste will remain at the closed facility. Facility units will either be dismantled and removed off-site or decontaminated. The working floors will be disinfected. All processed or unprocessed materials will be collected and transported to an authorized facility for disposition. Closure of the facility must be completed within 180 days following the most recent acceptance of processed or unprocessed materials unless otherwise directed or approved in writing by the Executive Director of the TCEQ. If there is evidence of a release from a municipal solid waste unit, the Executive Director may require an investigation into the nature and extent of the release and an assessment of measures necessary to correct the impact to groundwater.

7.3 CERTIFICATION - In accordance with the requirements found in 30 TAC §330.461(c), within 10 days after completion of final closure the owner or operator will submit to the Executive Director the following items by registered mail:

- A certification signed by an independent licensed professional engineer verifying that final facility closure has been completed in accordance with the approved closure plan. The submittal to the Executive Director shall include all applicable documentation necessary for certification of final facility closure.

- A request for voluntary revocation of the facility permit.

Project No. AHF2300405
K2 Waste Solutions, LLC Waste Transfer Station – Part III

SECTION 8: POST-CLOSURE PLAN [30 TAC §330.63(i)]

This item does not appear to be applicable for this facility.

Project No. AHF2300405
K2 Waste Solutions, LLC Waste Transfer Station – Part III

SECTION 9: COST ESTIMATE FOR CLOSURE AND POST-CLOSURE CARE [30 TAC §330.63(i)]

This section addresses closure for the facility (post-closure care does not seem to be applicable to this facility). With respect to closure, 30 TAC §330.63(j) requires that a cost estimate for closure be provided in accordance with Subchapter L of that section.

9.1 CLOSURE COST ESTIMATE - The requirements for cost estimates for storage and processing units are listed in 30 TAC §330.505, which states that the estimate must: (a) equal the cost of closure of the facility, including the dispositions of the maximum inventories of all waste stored outdoors on site during the life of the facility; (b) be based on the costs of hiring a third party that is not affiliated with the owner or operator; and (c) be based on a per cubic yard and/or short ton measure for collection and disposition costs. The following serves as an itemized list of the work to be performed:

9.1.1 MAXIMUM QUANTITIES OF SOLID WASTE - The estimate must include the cost of transporting and disposing of the maximum quantities of waste proposed to be authorized by this permit. Those are summarized as follows:

Maximum Quantity of Solid Waste: 1,500 tons

The cost estimate assumes that a third party hauls the maximum amount of solid waste allowed at the facility from the facility to a TCEQ-approved landfill for final disposal. The cost estimate also includes the disposal fee at the landfill.

9.1.2 DISPOSAL OF WASH-WATER FROM HOLDING TANK - As noted in previous sections, the proposed site will be equipped with drains to direct wash water from the facility to a proposed oil-sand separator and holding tank. The cost estimate assumes that the full volume of those units must be hauled by a third party from the transfer station to a TCEQ-approved facility for final disposal.

Maximum Volume of Liquids from the Oil/Sand Separator:	1,000 gallons
Maximum Volume of Liquids from the Holding Tank:	1,000 gallons
Total Volume:	2,000 gallons

9.1.3 DISPOSAL OF WASH AND DISINFECTANT WATERS - The facility will be equipped with a transfer building that encloses the working floors under a common roof. It will also be equipped with access driveways, concrete pad (including a parking area), a scale house, and future maintenance building, and an office that will be renovated within an existing building. It is assumed that the driveways, exterior concrete slab, scale house, maintenance building, and office will not need washing and disinfecting prior to closure.

However, it is assumed that the transfer building will need to be washed down and disinfected prior to closure. The transfer building will be 150 feet long and 100 feet wide, providing approximately 15,000 square feet of enclosed area. It is further assumed that washing and disinfecting will require 1 gallon per square foot of enclosed area (including

washing and disinfection of floors, walls, and equipment). Based on those assumptions, the total amount of wash water generated for this item is 15,000 gallons. It is further assumed that disinfection and washing of the oil/sand separator and holding tank will require a volume of wash water equivalent to 25% of their total volume. Therefore, the total volume of wash water required for this item is estimated as follows:

Volume of Wash Water to Disinfect Buildings and Equipment:	15,000 gallons
Volume of Wash Water to Disinfect Holding Tank and Separator:	500 gallons
Total Volume Estimated for Washing and Disinfection:	15,500 gallons

9.1.4 DISPOSITION OF BUILDINGS, PAVEMENT, AND APPURTENANCES - This closure estimate assumes partial dismantling of the facility in that the proposed scales and any waste handling equipment will be dismantled and removed. However, all buildings and concrete pavement are assumed to remain in place after closure. In other words, no demolition costs are assumed for the structures at the facility. The security fencing will be left in place and after closure the gates to the facility will be locked to prevent access to the site.

9.1.5 FUTURE IMPROVEMENTS - If additional improvements are constructed at the facility at some future date, then this closure plan will be updated at that time to reflect their inclusion.

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K2 Waste Solutions, LLC Waste Transfer Station – Part III

9.2 COST ESTIMATE FOR CLOSURE - The following table provides a cost estimate for the items listed above:

CLOSURE COST ESTIMATE					
Description		**Quantity**	**Unit**	**Unit Cost**	**Total**
Solid Waste Removal	Total cost of transporting the Maximum Permitted Quantity of Solid Waste from the facility to a TCEQ-approved landfill by a Third Party (includes labor and landfill disposal fee)	1,500	tons	$40	**$60,000**
Disinfection and Decontamination of Buildings and Equipment	Total cost of transporting contaminated water from the proposed oil/sand separator and holding tank	500	gallons	$0.50	**$250**
	Total cost of transporting wash water from the facility to a TCEQ-approved facility for treatment and final disposal	2,000	gallons	$0.50	**$1,000**
	Labor required to disinfect and wash buildings and equipment at the facility	12	hours	$40	**$480**
Dismantling or Removal of Waste Equipment	Removal of scales	1	lump sum	$100	**$100**
	Removal of all storage bins	1	lump sum	$100	**$100**
Signage	Installation of a sign stating that the facility is closed	1	lump sum	$200	**$200**
Locks	Install padlocks for all access gates and buildings	1	lump sum	$50	**$50**
Supervisory Costs		1	lump sum	$500	**$500**
Administrative Costs		1	lump sum	$100	**$100**
Professional Engineer's Certification		1	lump sum	$500	**$500**
				TOTAL	**$63,280**

9.3 DEMONSTRATION OF FINANCIAL ASSURANCE - Financial assurance will be submitted upon final approval by the TCEQ. The owner or operator will submit a copy of the documentation required to demonstrate financial assurance as specified in 30 TAC Chapter 37, Subchapter R relating to Financial Assurance for Municipal Solid Waste Facilities at least 60 days prior to the initial receipt of waste, in accordance with 30 TAC §330.63(j).

In accordance with 30 TAC §330.505(b)(2), continuous financial assurance coverage for closure must be provided until all requirements of the final closure plan have been completed and the site is determined to be closed in writing by the Executive Director.

9.4 INCREASES TO THE COST ESTIMATE - In accordance with 30 TAC §330.505(a)(3), an increase in the closure cost estimate and the amount of financial assurance must be made if changes to the facility conditions increase the maximum cost of closure at any time during the active life of the facility.

9.5 REDUCTIONS TO THE COST ESTIMATE - In accordance with 30 TAC §330.505(a)(4), a reduction in the closure cost estimate and the financial assurance may be approved if the cost estimate exceeds the maximum cost of closure at any time during the remaining life of the facility and the owner or operator has provided written notice to the Executive Director of the detailed justification for the reduction for the closure cost estimate and the amount of financial assurance. After permitting, a reduction in the cost estimate and the financial assurance must be considered a modification and must be handled as such.

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ATTACHMENT III-A: FLOW DIAGRAM

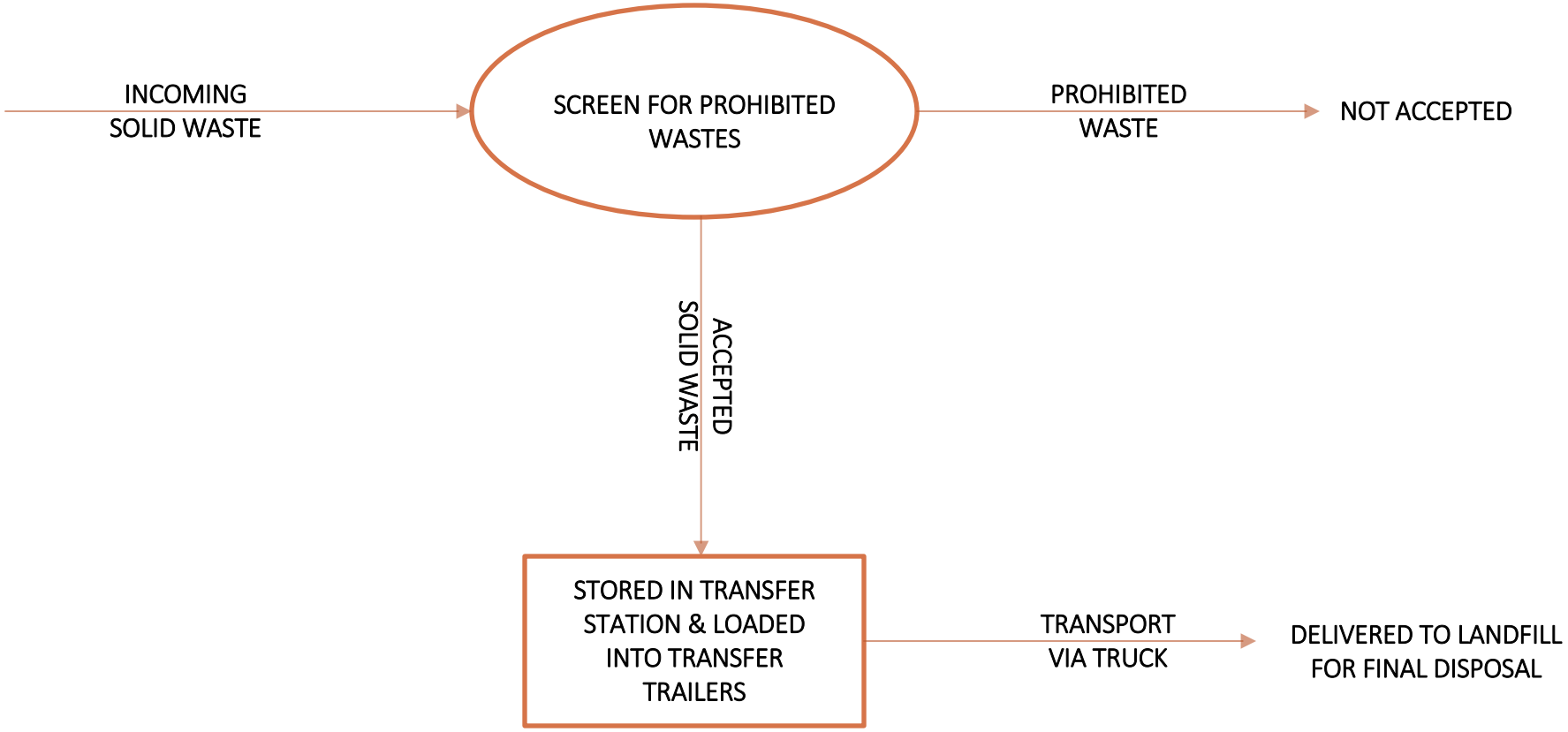

FIGURE III-A	PROPOSED TRANSFER STATION FLOW DIAGRAM	RABA KISTNER 1011 W. Lewis Street Conroe, TX 77301 281-210-0084 / WWW.RKCI.COM

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ATTACHMENT III-B: SCHEMATIC DIAGRAM

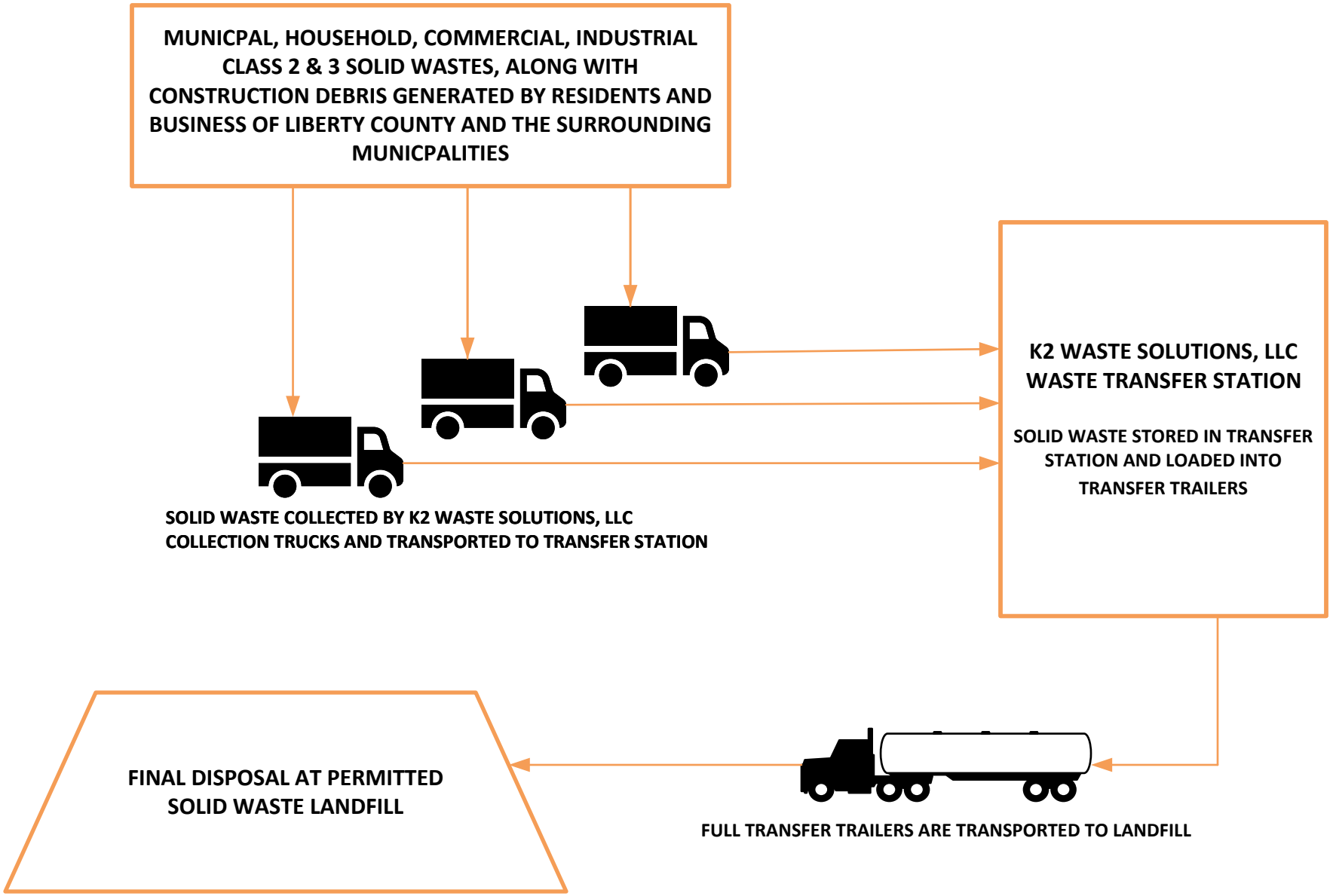

FIGURE III-B	PROPOSED TRANSFER STATION SCHEMATIC DIAGRAM	RABA KISTNER 1011 W. Lewis Street Conroe, TX 77301 281-210-0084 / WWW.RKCI.COM

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ATTACHMENT III-C: PROPOSED FACILITY LAYOUT

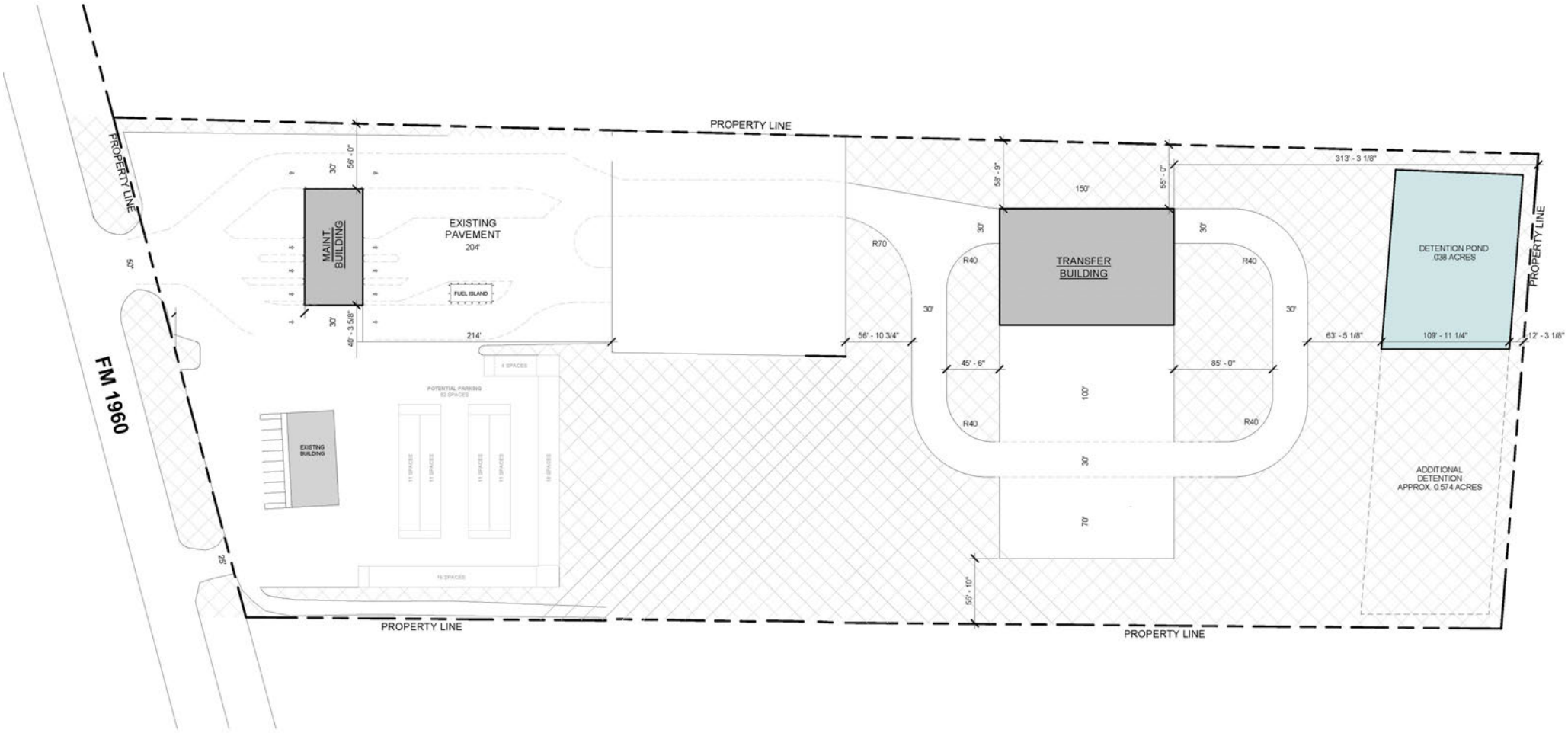

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FIGURE III-C	Project Site Proposed Conditions Facility Layout	RABA KISTNER 1011 W. Lewis Street Conroe, TX 77301 281-210-0084 / WWW.RKCI.COM

K2 WASTE SOLUTIONS, LLC.
WASTE TRANSFER STATION
MSW PERMIT No. 2394A

MAJOR PERMIT AMENDMENT
PART IV

PREPARED BY:

RABA KISTNER, INC.
19111 NORTH DALLAS PARKWAY, SUITE 310
DALLAS, TX 75287

RKI PROJECT NO. AHF2300405

JULY 2024
REV. SEPT. 2024

August 20, 2024

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PROFESSIONAL ENGINEER (P.E.) CERTIFICATION:

SIGNATURE: _____

PE Registration Number
Texas No. 126292

NAME: Howard M. Barrett, PE COMPANY:

Raba Kistner, Inc.

TITLE: Vice President / Principal Engineer, PE

DATE: September 9, 2024

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PART IV: SITE OPERATING PLAN

K2 WASTE SOLUTIONS, LLC TRANSFER STATION

This Site Operating Plan (SOP) contains information about how K2 Waste Solutions, LLC will conduct operations at its proposed solid waste transfer station but is not intended to be a comprehensive operating manual. The SOP represents the general instruction for facility management and personnel to operate the facility in a manner consistent with the approved design and the Texas Commission on Environmental Quality's rules to protect human health and the environment and prevent nuisances.

The proposed facility will serve as a transfer station for solid waste generated by commercial collectors, citizens of Liberty County, and surrounding counties. The K2 Waste Solutions LLC, Waste Transfer Station will be located approximately 1.6 miles west of the incorporated limits of the City of Dayton FM 1960 in Liberty County, Texas. As such, it is located slightly beyond the extraterritorial jurisdiction of the City of Dayton.

The SOP is Part IV of the MSW permit/registration application and consists of the information required by Title 30, Texas Administrative Code (TAC), Chapter 330, Subchapter E: Operational Standards for Municipal Solid Waste Storage and Processing Units, 30 TAC §330.201 - §330.249. At a minimum, the SOP must include provision for facility management and operating personnel to meet the general and site-specific requirements of these rules. The sections below are divided by rule citation.

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SECTION 1: TRANSFER STATION PERSONNEL

The following table summarizes the minimum number and types of personnel located at the K2 Waste Solutions Transfer Station, along with a brief description of their required training and responsibilities:

PERSONNEL TYPES AND DESCRIPTIONS			
Position	Number of Personnel	Training	Responsibilities
Supervisor	1	The facility supervisor will be licensed in accordance with Chapter 30, Subchapters, A and F. Must hold and maintain MSW Supervisor Occupational license Grade B and above.	Responsible for managing daily work operations; equipment maintenance and repair; personnel safety.
			Responsible for screening for prohibited or unauthorized waste.
			Inspect the material to be dumped and question the driver of the vehicle to be sure unauthorized waste is not dumped.
			Instruct drivers on the proper use of the transfer station and aid them when needed.
			Keep the site free of blowing paper.
			Wash-down transfer station (and appurtenances) when necessary.
			Inspect containers periodically for signs of fire and/or other potential problems.
			Be responsible for having the transport container emptied and replaced.
			Lock the site when it is to be unattended.
Equipment Operator	1	Trained by Supervisor in the SOP, recordkeeping requirements, and waste screening.	Responsible for loading the transfer trailers.
			Assume the duties of the supervisor (as set out above) at any time the supervisor must be away from the site.
			Assist the supervisor in wash-down operation and picking blowing paper.
Scale Attendant	1	Trained by Supervisor in the SOP, recordkeeping	Controls and directs traffic entering the facility.

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		requirements, and waste screening.	Serves as an additional spotter for screening of waste.
			Assume the duties of the supervisor (as set out above) at any time the supervisor must be away from the site.
			Assist the supervisor in wash-down operation and picking blowing paper.
Drivers	4 (depending on need)	Trained by supervisor in the SOP, record keeping requirements, and waste screening.	Operate the transfer trailers; transport the waste from the transfer station to the TCEQ-approved landfill for final disposal.
			Assist the supervisor in wash-down operation and picking blowing paper.

More detailed job descriptions along with written descriptions of the type and amount of introductory and continued training provided to each employee will be maintained in the facility operating record.

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SECTION 2: FACILITY INSPECTION AND MAINTENANCE

The following table outlines the facility inspection and maintenance list of the facility. The facility supervisor will perform the task. The inspection documentation will be retained in the operating record.

FACILITY INSPECTION AND MAINTENANCE LIST			
Item	**Task**	**Frequency**	**Reference**
Access Control	When the transfer station is not in operation (or unattended) the gates will be locked to prevent unauthorized entrance.	As needed	Section 12
Waste Screening	Inspect the material to be dumped and question the driver of the vehicle to be sure unauthorized waste is not dumped.	Per Vehicle	Section 13
Wind-blown Waste	Keep site free of wind-blown waste	At least Daily	Section 17
Inspection of fences and gates	Inspect the integrity of perimeter fences and gates and repair any access control breaches as needed	At least Daily	Section 12
Facility Access Road	Inspect facility access road	At least Daily	Section 19
	Maintenance of facility access road	As needed	Section 19
Waste spilled on route to the facility	Police the entrance areas and all roads at least 2 miles in either direction from the facility entrances for loose trash. Clean up as necessary.	Daily	Section 10
Wash-down	Wash down all working surfaces at the transfer station that have come into contact with waste	Weekly	Section 22
Sweeping	Sweep all working surfaces at the transfer station that have come into contact with waste	Twice Weekly	Section 22
Transfer Trailers	Inspect periodically for signs of fire and/or other potential problems	At least Daily	Section 11
	Empty and replace the transport container	As needed	Section 7 and 8
Odor	Inspect the perimeter of the facility to assess the performance of facility operations to control odor.	Daily	Section 22
Facility signs	Inspect all facility signs for damage, general location, and accuracy of posted information.	Weekly	Section 16

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SECTION 3: TRAINING REQUIREMENTS

Personnel training records will be maintained in accordance with 30 TAC §330.219(b)(2). Personnel operator licenses issued in accordance §30, Subchapter F, Municipal Solid Waste Facility Supervisors, will be maintained as required:

3.1 SUPERVISOR - The owner or operator will ensure that the transfer station supervisor is knowledgeable in the proper operation of a municipal solid waste facility and the current operational standards required by the TCEQ. The facility supervisor will be licensed in accordance with Chapter 30, Subchapters A and F. The supervisor will be experienced and will maintain a Class B license (or higher). The supervisor will ensure that all personnel are properly trained and are operating the transfer station in accordance with this SOP and operational standards required by the permit/registration and the TCEQ municipal solid waste regulations. During situations when the supervisor is temporarily off-site and other personnel temporarily assume his duties, the supervisor will ensure that those personnel have equivalent training to that licensed position.

3.2 PERSONNEL TRAINING PROGRAM - The personnel training program will be directed by a person trained in waste management procedures, and will include instruction that teaches facility personnel waste management procedures and contingency plan implementation relevant to the positions in which they are employed.

3.3 NEW EMPLOYEE TRAINING - New employees will receive a comprehensive overview of all aspects of transfer station operations, focusing on information that is necessary to protect the health and welfare of the new employee and enable them to perform their duties in accordance with this SOP and operational standards required by the permit/registration and the TCEQ municipal solid waste regulations. Initial training subject matter will include applicable requirements found in the Site Development Plan (SOP), attachments to the SOP, the SOP, and general safety procedures. Following the initial training, the new employee training will continue during monthly training sessions, during on-the-job training, and during the annual review of their initial training. Personnel filling the scale attendant and equipment operator positions will have the equivalent training to the Supervisor so that they have the ability to temporarily assume his or her duties if off-site.

3.4 TRAINING MEETINGS - Training meetings will be scheduled and conducted for all employees at least once per month. If a regular monthly meeting is canceled, it will be rescheduled or combined with the scheduled training the next month. Training sessions will be scheduled to allow facility operations to be uninterrupted. Records of personnel attending each training session and the topics covered will be maintained at the facility.

The safety training will be performed on a monthly basis. Additional topics for training may vary, but will be conducted annually for the following:

- Safety
- Emergency response
- Litter control and windblown waste pick-up
- Waste screening

- Prohibited waste management
- Random inspection procedures

3.5 REVIEW OF INITIAL TRAINING - Facility personnel will take part in an annual review of their initial training. A written description of the type and amount of introductory and continued training provided to each employee will be maintained in the facility operating record.

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SECTION 4: WASTE ACCEPTANCE AND ANALYSIS [30 TAC §330.203]

4.1 AUTHORIZED WASTES - The wastes that can be accepted at this site are municipal household, commercial, and industrial Class 2 & 3 solid wastes, along with construction debris generated by residents and businesses of Liberty County and surrounding counties or municipalities. The facility supervisor will accept no waste that they are unsure of.

4.2 PROHIBITED WASTES - The K2 Waste Solutions, LLC Waste Transfer Station will only accept municipal, household, commercial, and industrial Class 2 & 3 solid waste, along with construction debris. This waste will not contain special wastes. No hazardous wastes will be accepted. The facility supervisor will accept no wastes that they are unsure of. The solid wastes accepted at the facility shall not contain and the transfer station will not accept the following, except as noted:

- Large Items - Items that will not fit in the transfer trailer will be loaded into a separate roll-off box for transfer.
- Containers larger than household quantities containing liquids will not be accepted.
- Empty or Full Containers marked Hazardous will not be accepted.
- Dead animals (or live animals) will not be accepted.
- Industrial wastes will not be accepted, except with a manifest and without the specific approval of the site owner.
- No hazardous waste will be accepted.
- No liquids or sludge will be accepted.
- No ashes will be accepted without a manifest and without the specific approval of the site owner.
- No untreated medical wastes will be accepted.
- No gasoline or diesel fuel will be accepted.
- No oils or lubricants will be accepted.
- No chemical wastes will be accepted.
- No used oil filters from internal combustion engines.
- No whole used or scrap tires.
- Treated Wastewater Sludge - This transfer station will not be utilized for handling of treated wastewater sludge.
- Special Wastes - This facility will not accept special wastes as defined in 30 TAC §330.3(148).
- Batteries - This facility will not accept lead acid or other batteries.

- Chlorinated Fluorocarbons - Items containing chlorinated fluorocarbons (CFCs), such as refrigerators, freezers, and air conditioners, will not be accepted.
- Regulated Asbestos Containing Materials (RACM 's) will not be accepted at this facility.
- Polychlorinated Biphenyls (PCBs) wastes, as defined under 40 Code of Federal Regulations, Part 761.

4.3 MEASURES FOR CONTROLLING PROHIBITED WASTES - Procedures to detect and control the receipt of prohibited wastes include:

- It is proposed that the facility be utilized solely by K2 Waste Solutions as a transfer station after the proposed facility opens. In addition, K2 Waste Solutions intends to allow the public to have access to the facility for public drop-off. Procedures will call for all customers (both regular and one-time or occasional) and drivers of incoming waste hauling vehicles that have indicated they will deliver waste to the facility to be informed by: (1) Posting one or more signs at the facility listing prohibited wastes; and (2) Providing all customers, vehicle drivers, and transfer station operators with a written list of prohibited wastes.
- Facility personnel will be trained to inspect vehicles and identify regulated hazardous waste, polychlorinated biphenyl (PCB) waste, and other prohibited wastes. At a minimum, the facility supervisor and equipment operator will be trained in inspection procedures for prohibited waste. The personnel will be trained on an on-the-job as is by their supervisors. Records of employee training on prohibited waste control procedures will be maintained in the facility operating record. The personnel will be trained to look for the following indications of prohibited waste:
  (1) Yellow hazardous waste or PCB labels; (2) DOT hazard placards or markings; (3) Liquids; (4) 55-gallon drums; (5) 85-gallon overpack drums; (6) Powders or dusts; (7) Odors or chemical fumes; (8) Bright or unusual colored wastes; or (9) Sludges.
- Random inspections of incoming loads in accordance with the procedures described in the inspection.
- Maintaining records of all inspections.
- Notification of the Executive Director of any incident involving regulated hazardous waste or a PCB waste.
- Remediation of any regulated hazardous waste or PCB waste to be discovered at the facility in accordance with 30 TAC §335.349.

If transfer station personnel identify any of the above indications with an incoming load, then that load will be directed to an area out of the flow of traffic, and the personnel will further assess the load. If the load is determined to contain prohibited waste or if there is any possibility that it may be prohibited waste, the load will be rejected and directed back to the generator. The supervisor will be looking for trucks bringing in waste loads from potential sources of prohibited waste such as industrial facilities, microelectronics manufacturers, electronic companies, metal plating industry, automotive and vehicle repair service companies, and dry cleaning establishments.

4.4 **WASTE ANALYSIS** - The K2 Waste Solutions Services Transfer Station will be designed with an ultimate throughput capacity of 1,500 tons of waste per day, and 900 tons per day overnight storage capacity. At the present time, K2 Waste Solutions intends to transport solid waste from this facility to a TCEQ-approved and permitted landfill for final disposal, although another permitted landfill might be selected at some future date if that becomes more feasible. Each transfer trailer will be filled and dispatched to the TCEQ-approved landfill as rapidly as possible. Only wastes that conform to the landfill's permit will be sent to that facility. Under normal operating conditions, solid waste should be hauled to the landfill at least once per day. In no event will the solid waste be stored at the transfer station longer than 72 hours. At no time will the amount of stored waste exceed the ultimate capacity of the facility.

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Section 5: FACILITY-GENERATED WASTES [30 TAC §330.205]

All working surfaces that come into contact with solid waste at the K2 Waste Solutions, LLC Waste Transfer Station will be washed down weekly at the completion of processing. However, complying with that requirement will result in wash water being generated at the facility. This wash water is the only liquid waste expected to be generated by this transfer station. It will be managed in accordance with TAC §330.207 (Contaminated Water Management). Refer to Section 6 below for more information.

As noted in Section 4 (above) this facility accepts municipal household, commercial, and industrial Class 2 & 3 solid wastes, along with construction debris generated by residents of Liberty County and surrounding counties or municipalities. The working surfaces at the facility that come into contact with this solid waste will be washed-down at least twice per week and more often if odors or unsightly conditions prevail (please note that hose-down or scrubbing activities are not normally required for the transfer bins because they are washed off-site and come back clean). The wash water generated from washing down the working surfaces is expected to contain some small percentage of waste from washing down the working surfaces but will mostly consist of water. In other words, the exact concentration of waste in the wash water will vary from day to day depending on circumstances and the amount of cleaning necessary but will be a very small percentage of the total volume of wash water generated.

The wash water will be emptied from the proposed holding tank on an as-needed basis by a certified hauler and disposed of at a TCEQ-approved and permitted facility.

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Section 6: CONTAMINATED WATER MANAGEMENT [30 TAC §330.207]

No contaminated water is allowed to discharge to the pond at the transfer station or to run off as surface drainage.

As noted in Section 22 (below), the working surfaces at the facility will be washed at least once per week and more often if odors or unsightly conditions prevail. Washing down the working surfaces will result in wash water being generated at the facility. Wash water is the only liquid that will be generated at the facility during normal operations. All wash water resulting from the operation of the transfer station will be disposed of in a manner that will not cause surface water or groundwater pollution. The facility will be equipped with drains in the working floor area to direct wash water to the proposed oil-sand separator and proposed holding tank. The proposed holding tank will be emptied on an as-needed basis by a vacuum truck and the contents taken to a TCEQ-approved facility for disposal. A separate on-site septic system will be provided to accommodate the domestic wastewater generated by the employee bathrooms. The operator will not discharge contaminated water without specific written authorization.

Any rainwater coming into contact with the waste will be collected in the holding tank as described above.

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Section 7: STORAGE REQUIREMENTS [30 TAC §330.209]

Each transfer trailer will be filled and dispatched to a TCEQ-approved landfill as rapidly as possible. In no event will the solid waste be stored at the transfer station longer than 72 hours. At no time will more than 900 tons of waste be stored at this facility.

All solid waste at the transfer station will be accommodated in such a manner that it does not constitute a fire, safety, or health hazard or provide food or harborage for animals and vectors, and shall be contained so as not to result in litter. Storage containers of an adequate size and strength, and in sufficient numbers, will be utilized at the facility to contain all solid waste generated in the period of time between collections.

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Section 8: APPROVED CONTAINERS [30 TAC §330.211]

The K2 Waste Solutions Transfer Station is equipped with transfer trailers. These trailers are loaded by the K2 Waste Solutions collection trucks which deposit solid waste at the facility. The trailers are filled, connected to transport trucks, and driven to the receiving landfill. When a trailer is filled, it will be covered and dispatched to the receiving landfill and a new trailer will then begin receiving waste.

All solid waste containing food wastes outside of the transfer station building will be stored in covered or closed containers that are leak-proof, durable, and designed for safe handling and easy emptying. The containers must be maintained so that they do not constitute a nuisance and to retard the harborage, feeding, and propagation of vectors. The mechanically handled containers are designed to prevent spillage or leakage during storage, handling, and transport.

All containers to be emptied manually will be capable of being serviced without the collector coming into regular physical contact with the solid waste.

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Section 9: CITIZEN'S COLLECTION STATIONS [30 TAC §330.21 3]

This section is not applicable for this facility.

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Section 10: RECORD KEEPING AND REPORTING REQUIREMENTS [30 TAC §330.219]

A copy of the permit/registration, the approved application, site operating plan, and any other required plan or other related documents will be maintained at the K2 Waste Solutions Transfer Station onsite at the office. An as-built set of construction plans and specifications will also be maintained there. These plans and specifications will be furnished upon request to TCEQ representatives and made available for inspection by both TCEQ representatives and other interested parties in accordance with 30 TAC §330.219(a). These plans and documents are part of the facility operating record.

The operating record will be maintained in an organized form at which will allow information to be easily located and retrieved. All information contained within the operating record and the different required plans will be retained during the active life of the facility until after certification of closure.

The following records will be kept, maintained, and filed as part of the facility operating record. Log books and schedules may be used.

- Access Control Inspection and Maintenance
- Daily Litter Pickup
- Windblown Waste and Litter Control Operations
- Access Roadway Maintenance
- Fire Occurrence Notices, if applicable

In addition to the plans and documents listed above, the information listed in the following table will be recorded and retained in the operating record. This information will be placed in the operating record within seven working days of completion or upon receipt of analytical data, as appropriate. The owner or operator will sign all reports and other information as required by 30 TAC § 330.219 (c).

OPERATING RECORD	
Records To Be Maintained	**Rule Citation**
All location-restriction demonstrations	§330.219 (b)(1)
Inspection records and training procedures	§330.219 (b)(2)
Closure plans and any monitoring, testing, or analytical data relating to closure requirements	§330.219 (b) (3)
All cost estimates and financial assurance documentation relating to financial §330.219 (b)(4) assurance for closure	§330.219 (b)(4)

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Copies of all correspondence and responses relating to the operation of the facility, §330.219 (b)(5) modifications to the permit/registration, approvals, and other matters pertaining to technical assistance	§330.219 (b)(5)
Any other document(s) as specified by the approved permit/registration or by the§330.219 (b)(7) executive director	§330.219 (b)(7)
Trip tickets	§312.145 §330.219 (b)(8)
Alter native schedule and notification requirements if applicable	§330.219 (g)
Inspection records and training procedures relating to fire prevention and facility safety	§330.221
Access control breach and repair notices	§330.223
Waste unloading/prohibited waste discovery	§330.225 &330.229(b)
Record of alternative operating hours (if applicable)	§330.223

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Section 11: FIRE PROTECTION [30 TAC §330.221]

In the event of a fire, the facility supervisor will immediately call the Huffman Volunteer Fire Department and/or the Dayton Volunteer Fire Department by dialing 911. In addition, if it can be safely accomplished, the facility supervisor will attempt to extinguish the fire with a hand-held fire extinguisher provided at the site.

The facility supervisor will be trained to observe incoming loads in the transport vehicles to ascertain that there is no fire in the load while performing his inspection. If a fire is observed, the vehicle will unload on a designated area of paved ground.

11.1 FIRE PROTECTION - The following steps are taken regularly by facility personnel in order to prevent fires:

- Observe every load for fire before it is unloaded. Be alert for signs of burning waste such as smoke, steam, or heat being released from incoming waste loads.
- Do not allow open flames in the unloading areas or near the boxes.
- Keep the grass within the site area mowed and do not allow grass, leaves, trash, or other combustibles to accumulate.
- Do not keep fuel or other combustibles in non-approved containers.
- Inspect the fire extinguisher to ensure it is in operating condition, that it does not have an expired date, and be aware of where it is.
- This will be a "No Smoking" facility.
- Routinely clean equipment that is used to move waste with high-pressure water or steam cleaners. The high-pressure water or steam cleaning will remove combustible and caked material which can cause equipment overheating and increase fire potential.

11.2 PROCEDURES IN THE EVENT OF A FIRE - The facility staff will take the following steps if a fire is discovered :

- Contact the Huffman Volunteer Fire Department by calling 911 or (281) 324-4646 and/or the Dayton Volunteer Fire Department by calling 911 or (936) 258-5 323.
- Alert other facility personnel.
- Assess the extent of the fire, possibilities for the fire to spread, and alternatives for extinguishing the fire.
- If it appears that the fire can be safely fought with available fire extinguisher(s) until the arrival of the Fire Department, attempt to contain or extinguish the fire. Under no circumstances shall the transfer station personnel place themselves or anyone helping them in danger of being injured.

- Upon arrival of the Fire Department personnel, direct them to the fire and provide assistance as appropriate.
- Be familiar with the use and limitations of firefighting equipment available on-site. Do not attempt to fight the fire alone or without adequate personal protective equipment.

11.3 FIRE EQUIPMENT - Dry chemical fire extinguishers shall be provided for all structures, waste management equipment, and vehicles at the facility. The scale house and transfer building will each be equipped with a 5 lb ABC Dry Chemical Fire Extinguisher. The drop-off building and garbage trucks will each be equipped with 10 lb ABC Dry Chemical Fire Extinguishers. All fire extinguishers at the facility will be inspected on an annual basis and recharged as necessary by a qualified service company. The extinguishers will display a current inspection tag. Inspection and recharging of extinguishers will be performed following each use. A telephone is also available at the site to call the Fire Department.

In addition, an adequate supply of water at sufficient pressure for fire fighting is supplied to the facility from an on-site water well. The facility will also keep portable pumps and hoses on hand so that additional non-potable water can be obtained from the on-site man-made retention pond behind the transfer building if needed. In addition, the Huffman Volunteer Fire Department (four miles away) will be the first responder to the facility in the event of a fire, supplemented by support from the Dayton Volunteer Fire Department (eight miles away) if needed. Both fire departments are equipped with fire trucks that carry their own supply of water for fighting fires.

11.4 FIRE PROTECTION TRAINING - Transfer station employees will receive fire safety training when hired. They shall also be given instructions on firefighting techniques and given safety precautions to ensure their well-being. The training of on-site personnel in firefighting techniques, fire prevention, response and the fire protection aspects of this Site Operating Plan will be provided on an annual basis.

Training shall include fighting all types of fires (including vehicle fires) that could occur from material deposited in the transfer station. The local volunteer fire departments will be given information on the types of materials that it is possible for the transfer station to contain so that the Fire Department may use proper techniques.

Personnel will be familiar with the use and limitations of firefighting equipment available on-site. Records of this training will be included in the operating record. Personnel will not attempt to fight the fire alone or without adequate personal protective equipment.

11.4.1 FIRE FIGHTING METHODS - There are four components necessary to start and sustain a fire: (1) Fuel or Reducing Agent; (2) Heat; (3) Self-sustaining chemical reaction; and (4) Oxygen or oxidizing agent. A fire can be extinguished by taking away any of those four components. The most common methods available to accomplish this by facility personnel are as follows:

- Chemical Flame Inhibition - This utilizes dry chemical or halogenated agents to interrupt the combustion reaction and stop flaming. This method is also effective on gas and liquid fuels because they must flame to burn.

Chemical flame inhibition can be provided by the hand-held fire extinguishers that are provided at the facility. Small fires might be controlled with these extinguishers.

- Application of Water - The application of water does several things to help extinguish a fire. First of all, water vaporizes when it comes into contact with the fire and the conversion from a liquid to steam absorbs massive amounts of heat. Without heat, the fuel no longer has the conditions required to sustain the fire. In addition, the steam also dilutes the oxygen in the air and can lower it to a concentration below the minimum amount that is required for the flame to burn.
    - The application of water can be provided by on-site water hoses using the pressurized water provided to the facility by the on-site water well and/or via portable pump and hoses from the on-site retention pond.
- Fuel Removal -Removing fuel that is in the path of the fire will help to contain fire and prevent its spread. If it can be done safely, burning material should be separated from other waste. Similarly, if a fire is too large to be effectively extinguished it may be more feasible to isolate it and allow it to burn until all of its fuel is consumed, at which point the fire will self-extinguish.

11.4.2 WATER SUPPLY -The potable water at this facility is provided by an existing on-site water well that is capable of providing the facility with a round-the-clock supply of potable water.

11.5 TCEQ NOTIFICATION - After any fire (related to waste management activities that cannot be extinguished within 10 minutes of discovery) occurs, the TCEQ regional office will be contacted. The notification to the regional office will include:

- Contacting by telephone as soon as possible, but no later than 4 hours following fire discovery, and
- Providing a written description of the cause and extent of fire and the resulting fire response within 14 days of the fire detection.

The facility will provide to the appropriate TCEQ regional office as much information as possible regarding the fire and fire-fighting efforts, as soon as possible after the fire occurs.

The fire prevention and fire control procedures for the facility will be revisited following the occurrence of a significant fire to determine if modifications are warranted.

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Section 12: ACCESS CONTROL [30 TAC §330.223]

Public access will be controlled to minimize unauthorized vehicular traffic, unauthorized and illegal dumping, and public exposure to hazards associated with waste management.

12.1 FACILITY SECURITY - The entire transfer station will be enclosed within an intruder-resistant chain link fence that has a minimum height of six feet. The entrance i s equipped with a gate. Facility personnel will inspect the integrity of the fence and gate on a daily basis on the days when the facility is in operation. Any access control breaches will be repaired as needed. The following schedule and notification requirements will be complied with for any access breach:

SCHEDULE FOR AND NOTIFICATION REQUIREMENTS FOR ACCESS BREACHES		
Requirements	**Access Breach**	
	If Repaired Within 8 Hours	**If Not Permanently Repired Within 8 Hours**
Notify TCEQ Region Office of the breach and repair	Not Required	Within 24 Hours
Make temporary repairs	Not Required	Within 24 Hours
Make permanent repairs	Within 8 Hours	Within the schedule submitted to the TCEQ Regional Office in the initial notice
Notify TCEQ Regional Office when permanent repair is completed	Not Required	Within the schedule submitted to the TCEQ Regional Office in the initial notice

12.2 VEHICLE ACCESS - The transfer station is equipped with all-weather drives to allow vehicular access to the facility. This paved roadway has been designed to accommodate the expected traffic flow and is equipped with two travel lanes to provide safe on-site access for commercial collection vehicles. The paved roadway will eliminate dust and mud being tracked to and from the facility. The roadway design includes adequate turning radius for vehicles that will use the roadway and to avoid the disruption of normal traffic patterns. Vehicle parking is also provided for employees and equipment. K2 Waste Solutions also intends to open the transfer station to the public, so the facility is also designed to have adequate parking for visitors. Access will be provided during waste acceptance hours. Entrance gates will be locked when the facility is unattended.

Traffic will enter through the gates on the northern side of the site and proceed to the transfer building via interior drives. It is the responsibility of the facility supervisor to inform persons using the transfer station when they are violating the regulations of the transfer station. If they refuse to take corrective action or continue to violate those regulations, the supervisor shall immediately notify the Liberty County Sheriff's office at 911 or (936) 336-4500 and request assistance.

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SECTION 13: UNLOADING OF WASTE [30 TAC §330.225]

13.1 INSPECTION - The facility supervisor will inspect each load as it is unloaded:

- The facility supervisor shall inspect the load as best he or she can before it is unloaded to ascertain that the waste is acceptable at this facility.
- Any inappropriate waste should not be unloaded. If it is unloaded, it must be picked up immediately by the hauler and removed from the site.
- The facility supervisor is responsible to prevent inappropriate loads from entering the site. For public access, the facility supervisor will have the authority to refuse to accept a load if, in his or her judgment, it is inappropriate. If a hauler is not cooperative, the Liberty County Sheriff should be called at 911 or (936) 336-4500. If a vehicle appears to have a fire in the waste, allow the hauler to unload this waste on the parking area and call the Huffman Volunteer Fire Department and/ or the Dayton Volunteer Fire Department by dialing 911 if there is a fire. If a hauler deposits an illegal waste and departs from the site, the facility supervisor should attempt to determine the license plate number and a description of the vehicle and hauler. Do not attempt to physically restrain the hauler.

13.2 UNLOADING AREA - Municipal solid waste is delivered to the facility by collection trucks. The facility is equipped with all-weather drives and a retaining structure. Waste will be unloaded on the working floor of the transfer station building. The waste will be transferred to open-top trailers by way of the transfer station working floor and then be transported to a TCEQ-approved site for final disposal. All trailers will be filled and transported to a TCEQ-approved landfill for disposal.

30 TAC §330.225(a) states that “the unloading of solid waste shall be confined to as small an area as practical”. The unloading of solid waste at this facility will be confined to the area of the working floor of the transfer station building. The owner or operator is not required to accept any solid waste that he or she determines will cause or may cause problems in maintaining full and continuous compliance with TCEQ requirements.

The unloading of waste in unauthorized areas is prohibited. Any waste deposited in an unauthorized area will be removed immediately and disposed of properly. The unloading of prohibited wastes is not allowed. Any prohibited waste will be returned immediately to the transporter or generator of that waste.

Appropriate signage will be utilized to indicate where vehicles are to unload. Additional signage will be posted to discourage indiscriminate dumping. Appropriate signage will be placed to indicate where the public can unload and to discourage indiscriminate dumping.

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SECTION 14: SPILL PREVENTION AND CONTROL [30 TAC §330.227]

The requirements in 30 TAC §330.227 require that storage and processing are as be designed to control and contain spills and contaminate dw ater from leaving the facility.

The transfer station will be designed to collect all contaminated water and direct it to an on-site collection system equipped with an oil water separator and holding tank. Containment drainage controls will be designed to be adequate for the 25-year, 24-hour storm event. The facility will be designed to control and contain a worst-case spill or release. No contaminated water will be allowed to pond on the surface or run off as surface drainage. All wash water resulting from the operation of the transfer station will be disposed of in a manner that will not cause surface water or groundwater pollution.

A septic system be used at the facility to service the employee restrooms. The transfer building will be equipped with drains to collect wash water from working floors and any rainwater that may come into contact with the waste and direct it to a proposed oil water separator and holding tank. The holding tank is designed to be large enough to accommodate a worst-case spill or release and any stormwater that might enter the facility. The holding tank will be emptied regularly by a vacuum truck and its wastewater hauled to a TCEQ-approved facility for final disposal. As such, all contaminated rainwater and/ or wash water resulting from the operation of the transfer station will be disposed of in a manner that will not cause surface water or groundwater pollution.

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SECTION 15: FACILITY OPERATING HOURS [30 TAC §330.229]

The facility is authorized to accept waste and operate during the time frames indicated in the following sections. In addition to the waste acceptance and operating hours, other non-waste management activities including administrative and maintenance activities may occur twenty-four hours a day seven days a week. Any maintenance activities involving the operation of heavy equipment or the transport of materials on or off-site may only be conducted between the hours of 5:00 am to 9:00 pm, Monday through Saturday, in accordance with 30 TAC §330.229(a).

15.1 WASTE ACCEPTANCE HOURS - The waste acceptance hours for this facility will vary seasonally and are as follows:

- April through September - The facility will accept waste on Monday through Friday from 6 am to 6 pm. The facility will accept waste Saturdays from 7 am to 2 pm. The facility will be closed on Sundays.
- October through March - The facility will accept waste on Monday through Friday from 7 am to 6 pm. The facility will accept waste Saturdays from 7 am to 2 pm. The facility will be closed on Sundays.

When the site is closed the facility supervisor will lock the gate. If the facility supervisor is required to leave the site unattended the gate must be locked in his or her absence.

15.2 OPERATING HOURS - Normal hours of operation will be the same as the waste acceptance hours noted above.

15.3 ADDITIONAL TEMPORARY OPERATING HOURS - In addition, 30 TAC §330.229(d) states that *"the* commission's *regional offices may allow additional temporary operating hours to address disaster or other emergency situations, or other unforseen circumstances that could result in the disruption of waste management services in the area."*

When warranted, the facility supervisor will request approval from the commission's regional office to allow additional temporary operating hours to address disaster or other emergency situations, or other unforseen circumstances (such as traffic delays or adverse weather) that could result in the disruption of waste management services in the area. The facility supervisor will document the reason or reasons for the delay for each day on which a delay occurs and place the documentation in the operating record.

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SECTION 16: FACILITY SIGN [30 TAC §330.231]

A conspicuous sign measuring a minimum of four feet by four feet is maintained at the public entrance to the facility. The sign states, in letters at least three inches high, the following information:

K2 Waste Solutions, LLC Waste Transfer Station

Authorized by TCEQ permit number : 2394

Hours of operation: 6 am to 6 pm on Monday through Friday, 7 am to 2 pm on Saturday, closed Sunday.

Emergency 24-hour contact number: 911

Local emergency fire department number: 911 or 281-324-4646 (Huffman VFD) Or 936-258-5323 (Dayton VFD)

The sign is visible and readable from the facility entrance. Signs at the entrance will also state the wastes that are prohibited from receipt at the facility. Signs prohibiting smoking will be posted near the facility entrance or gatehouse. A sign will be prominently displayed at the facility entrance stating that all loads will be properly covered or otherwise secured.

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SECTION 17: CONTROL OF WINDBLOWN MATERIAL AND LITTER [30 TAC §330.233]

The facility's operating area is enclosed by a chain link fence. The facility supervisor will patrol the site and surrounding area at least once per day on days when the facility is in operation. The facility supervisor is responsible for cleaning the site and surrounding area of any windblown material and will do the following as needed:

- Collect litter or windblown material resulting from the operation and return it to the transfer station at least daily to minimize unsightly conditions and fire hazards.
- The site facility supervisor will inspect all roads to the site daily for spilled waste.

All trucks operated by K2 Waste Solutions are covered. When private haulers are allowed access to the facility, a sign will be posed at the facility encouraging haulers to use enclosed vehicles to haul their loads, or to provided a tarpaulin, net, or other means to effectively secure the load in order to inhibit litter along roadways.

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SECTION 18: MATERIAL ALONG THE ROUTE TO THE FACILITY [30 TAC §330.235]

The K2 Waste Solutions transfer station will take the following steps to encourage vehicles hauling waste to the facility to effectively secure their loads in order to prevent the escape of any part of the load by blowing or spilling:

- A sign will be posted at the facility to encourage haulers to utilize vehicles that are enclosed or are provided with a tarpaulin, net, or other means to effectively secure the load.
- The facility supervisor will be responsible for daily clean up of waste materials spilled along and within the right-of-way of the public access roads serving the facility for a distance of 2 miles in either direction from any entrances used for the delivery of waste to the facility.

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SECTION 19: FACILITY ACCESS ROADS [30 TAC §330.237]

The K2 Waste Solutions transfer station is located off of FM 1960 approximately 1.6 miles west of the city of Dayton, Texas. An all-weather drive provides access to the transfer station from the farm road and is briefly described below:

19.1 ALL-WEATHER ROADS - Vehicles will have access to the transfer station via an all-weather driveway. At no time will a vehicle be on an unimproved road. The interior transfer station road surfaces are constructed of hot mix asphalt concrete pavement.

19.2 DUST CONTROL - Dust is not generated by the interior asphalt access roadways. Similarly, FM 1960 is paved with asphalt and will not create a dust issue. As such, dust from on-site and other access roadways will not become a nuisance to surrounding areas.

However, in the unlikely event that dust ever becomes an issue at the facility, the operator will use whatever means necessary to control the dust on site.

19.3 MAINTENANCE - Maintenance of FM 1960 will be performed by the Texas Department of Transportation (TXDOT). Regrading, repair, and maintenance of the internal roadway will be conducted by K2 Waste Solutions on an as-needed basis. Waste spilled along these roadways will be picked up at least daily, and roadside litter policed at least weekly, then taken to the transfer station.

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SECTION 20: NOISE POLLUTION AND VISUAL SCREENING [30 TAC §330.239]

Areas adjacent to the facility are commercially and residentially developed to the east and west, respectively. The site is bordered on the north by FM 1960 and undeveloped areas. It is bordered on the south by a railroad track and additional undeveloped areas. The nearest residence is located approximately 30 feet to the east of the facility's boundary. The nearest commercial building is located approximately 50 feet west of the facility's boundary. There are no schools, churches, cemeteries, or aesthetically significant sites within a half-mile radius of the facility.

Existing trees and bushes are limited and provide limited screening for the facility. Portions of the facility will be visible from the existing residence and commercial areas. However, all operating areas and transport unit storage areas will be enclosed by fencing. Transfer activities will occur within a covered, partially enclosed building equipped with walls on four sides to help mute noise. Noise pollution should not be a problem.

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SECTION 21: OVERLOADING AND BREAKDOWN [30 TAC §330.241]

The design capacity of the K2 Waste Solutions transfer station will not be exceeded during operation. Solid waste accumulated at the facility will be processed within such time as will preclude the creation of odors, insect breeding, or harborage of other vectors. If such accumulations occur, additional solid waste will not be received until the adverse conditions are abated.

In no event will solid waste be stored at the transfer station longer than 72 hours prior to transport off-site. Each transfer trailer will be filled and dispatched to a TCEQ-approved landfill as rapidly as possible.

The facility will restrict additional solid waste receipt if a significant work stoppage should occur due to a mechanical breakdown or other causes. Under such circumstances, incoming solid waste will be diverted to an approved backup storage, processing, or disposal facility. If the work stoppage is anticipated to last long enough to create objectionable odors, insect breeding, or harborage of vectors, steps will be taken to remove the accumulated solid waste from the facility to an approved backup storage, processing, or disposal facility within 72 hours.

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SECTION 22: SANITATION [30 TAC §330.243]

All working surfaces that come into contact with wastes will be washed down on a weekly basis at the completion of processing. This facility is not operated on a continuous basis. During normal operations, hose-down activities are not required for the transfer trailers because they are emptied off-site and come back empty. However, a water line and hose are provided at the site to facilitate wash-down in the event that such an action is ever needed.

The tipping floor and push walls at the facility are constructed of materials which can be hosed down weekly. The facility supervisor will wash the concrete slabs at least once per week and more often if odors or unsightly conditions prevail. In order to prevent the creation of odors or an attraction to vectors, wash water will not be allowed to accumulate on-site without proper treatment. The site is sloped in such a way as to direct wash water to the proposed drains which will then direct it to the proposed oil-sand separator and holding tank. The holding tank will be emptied as-needed and its contents hauled via vacuum truck to a TCEQ-approved facility for final disposal.

In addition, no water will be allowed to pond on the site. If any rainwater ponds, the owner will be notified so that ponding can be eliminated.

Potable water will be supplied to the facility by an existing on-site water well.

Toilet facilities will be provided on-site for all employees and visitors. The wastewater generated from these restrooms will be directed to the facility's on-site septic system.

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SECTION 23: VENTILATION AND AIR POLLUTION CONTROL [30 TAC §330.245]

The proposed facility will not cause or contribute to air pollution. All solid waste is stored in the transfer building or odor-retaining containers and vessels. All working surfaces at the project site will be cleaned and maintained regularly so as to prevent nuisance odors. Cleaning and maintenance of mobile waste processing unit equipment shall be performed each day of operation to reduce odors. Any ponded water at the facility shall be controlled to avoid its becoming a nuisance. In the event that objectionable odors do occur, appropriate measures shall be taken to alleviate the condition.

Reporting of emissions events shall be made in accordance with 30 TAC §101.201 (pertaining to emissions event reporting and recordkeeping requirements) and reporting of scheduled maintenance shall be made in accordance with 30 TAC §101.211 (relating to scheduled maintenance, start-up, and shutdown reporting and recordkeeping requirements).

23.1 VENTILATION - The transfer station will include a covered building. The operator and the individuals unloading at the station are not expected to suffer due to lack of proper ventilation due to the fact that the building is partially enclosed with four walls, but the front end of the building will be perpetually open at several bay door openings.

23.2 AIR POLLUTION CONTROL - Air emissions from the facility will not cause or contribute to a condition of air pollution as defined in the Texas Clean Air Act. The operator will prevent nuisance odors from leaving the boundary of the facility. If nuisance odors are found to be passing the facility boundary, the operator may suspend operations until the nuisance is abated or immediately take action to abate the nuisance.

The interior transfer station road surface is hot mix asphaltic concrete. With hard surface all-weather roads, dust is not a problem. In the unlikely event that dust does become a problem at the site, water and water hoses are available to dampen the problem areas to reduce dust.

23.3 AIR POLLUTION CONTROL DEVICES - This facility will obtain authorization for all constructed air pollutant sources under 30 TAC Chapter 106 [relating to control of air pollution under Permit by Rule (PBR), as required by 30 TAC 116.110(a)(4) for new construction or modifications] or 30 TAC 330 Subchapter U [relating to standard air permits for municipal solid waste landfill facilities and transfer stations], as applicable, from the TCEQ Air Permits Division prior to the start of construction, except as authorized in Texas Health and Safety Code, §382.004 (pertaining to construction while permit application pending).

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SECTION 24: HEALTH AND SAFETY [30 TAC §330.247]

Facility personnel will be trained in the appropriate sections of the facility's health and safety plan.

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SECTION 25: EMPLOYEE SANITATION FACILITIES [30 TAC §330.249]

A TCEQ-approved water purveyor provides potable water to the facility. Sanitary hand-washing facilities are available for all employees. Toilet facilities are also furnished for employees at the site.

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SECTION 26: DISEASE VECTOR CONTROL

Vectors (such as rodents, flies, and mosquitoes) will be controlled through proper daily facility operations. If necessary, a licensed professional will apply pesticides for control of vectors to ensure that proper chemicals are used and that they are properly applied.

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SECTION 27: SALVAGING AND SCAVENGING

27.1 SALVAGING - Salvaging may be conducted under the supervision and approval of the facility supervisor at the proposed facility. The transfer building will have a designated area to allow entire loads of recyclable materials (such as metals or cardboard) to be sectioned off to the working floors and from which point they can be transferred to a recycling center as opposed to loading them with the other waste destined for the landfill.

27.2 SCAVENGING - Scavenging shall not be allowed.

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SECTION 28: VISUAL SCREENING OF WASTE

The operator will provide visual screening of waste materials.