



Texas Commission on Environmental Quality Waste Permits Division Correspondence Cover Sheet

Date: 9.19.25

Facility Name: Parker Waste Services LLC

Permit or Registration No.: NA

Nature of Correspondence:

Initial/New

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

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

Table 1 - Municipal Solid Waste Correspondence

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

Table 2 - Industrial & Hazardous Waste Correspondence

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



LETTER OF TRANSMITTAL

TO: Texas Commission on Environmental Quality
Municipal Solid Waste Permits Section, MC 124
Building A, Room 122

DATE: September 19, 2025

JOB NO: 35247187

12100 Park 35 Circle
Austin, TX 78753
PH: 512-239-2335

JOB TITLE: Parker Waste Services LLC
Type V Permit Application

Permit No. NA

ATTN:

We are sending you the following items: via FedEx Delivery

- originals specifications
- 3 Reports samples
- copy of letter other Flashdrive

<u>Copies</u>	<u>Description</u>	<u>Date</u>
3	copies of the Type V Permit Application for Parker Waste Services Transfer Station	

These are transmitted:

- for your approval as requested
- for review and comment after loan to us
- for your records other _____

Remarks:

If you have any questions, please call me at 501.249.4334

Written by: David McCormick, P.E. Terracon

Type V Permit Application

Parker Waste Services LLC

450 Joyce Street

Weatherford, Texas 76085

September 2025 | Report Number: 35247187

Prepared for:



Parker Waste Services LLC

PO Box 2047

Weatherford, Texas 76085



Nationwide
Terracon.com

- Facilities
- Environmental
- Geotechnical
- Materials

Table of Contents

PART I APPLICATION FORM

TCEQ Core Data Form

Public Involvement Plan

Plain Language Summary

PARTS I / II GENERAL APPLICATION REQUIREMENTS

PART III FACILITY DESIGN REPORT

PART IV SITE OPERATING PLAN

PART I APPLICATION FORM



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 mwper@tceq.texas.gov, 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 Name³: _____

Site Operator (Permittee or Registrant Name)⁴: _____

MSW Authorization Number: _____

Initial Submission Date: _____

Revision Date: _____

Application Data

1. Submission Type
<input type="checkbox"/> Initial Submission <input type="checkbox"/> Notice of Deficiency (NOD) Response
2. Authorization Type
<input type="checkbox"/> Permit <input type="checkbox"/> Registration
3. Application Type
<input type="checkbox"/> New Permit <input type="checkbox"/> Permit Major Amendment <input type="checkbox"/> Permit Limited Scope Major Amendment <input type="checkbox"/> 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.

4. Application Fee
Amount
<input type="checkbox"/> \$2,050—New Landfill Permits, and Landfill Permit Major Amendments Described in 30 TAC 305.62(j)(1)
<input type="checkbox"/> \$150—Other Permits, Permit Amendments, Limited Scope Major Amendments, and all Registrations
Payment Method
<input type="checkbox"/> Online through ePay portal www3.tceq.texas.gov/epay/ Enter ePay Trace Number: _____
<input type="checkbox"/> 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:
<input type="checkbox"/> Applicant <input type="checkbox"/> Agent in Service <input type="checkbox"/> Consultant
Contact Name: _____
Title: _____
Email Address: 

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?
<input type="checkbox"/> Yes <input type="checkbox"/> No
Indicate the alternative language: _____

8. Public Place for Copy of Application

Name of the Public Place: _____
Physical Address: _____
City: _____ County: _____ State: TX Zip Code: _____
Phone Number: _____

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."

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			
Underground Injection Control Program under Texas Injection Well Act			
National Pollutant Discharge Elimination System Program under Clean Water Act; Waste Discharge Program under Texas Water Code, Chapter 26			
Prevention of Significant Deterioration Program under Federal Clean Air Act (FCAA); Nonattainment Program under the FCAA			
National Emission Standards for Hazardous Air Pollutants Preconstruction Approval under the FCAA			
Ocean Dumping Permits under Marine Protection Research and Sanctuaries Act			
Dredge or Fill Permits under Clean Water Act			
Licenses under the Texas Radiation Control Act			
Other (describe):			
Other (describe):			

12. General Information About the Facility

Facility Regulated Entity Name: _____

Contact Name: _____ Title: _____

MSW Authorization Number (if existing): _____

Regulated Entity Reference Number: **RN** _____

Physical or Street Address (if available): _____

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

Phone Number: _____

Latitude (decimal degrees, six decimal places): _____

Longitude (decimal degrees, six decimal places): _____

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

Description of facility location with respect to known or easily identifiable landmarks:

Access routes from the nearest United States or state highway to the facility:

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

15. Facility Waste Management Units

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

- | | |
|---|---|
| <input type="checkbox"/> Landfill Unit(s) | <input type="checkbox"/> Container(s) |
| <input type="checkbox"/> Incinerator(s) | <input type="checkbox"/> Roll-off Boxes |
| <input type="checkbox"/> Class 1 Landfill Unit(s) | <input type="checkbox"/> Surface Impoundment |
| <input type="checkbox"/> Process Tank(s) | <input type="checkbox"/> Autoclave(s) |
| <input type="checkbox"/> Storage Tank(s) | <input type="checkbox"/> Refrigeration Unit(s) |
| <input type="checkbox"/> Tipping Floor | <input type="checkbox"/> Mobile Processing Unit(s) |
| <input type="checkbox"/> Storage Area | <input type="checkbox"/> Compost Pile(s) or Vessel(s) |
| <input type="checkbox"/> Other (specify): | |

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.

17. Facility Contact Information

Site Operator (Permittee or Registrant)

Name: _____

Customer Reference Number: **CN** _____

Contact Name: _____ Title: _____

Mailing Address: _____

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

Phone Number: _____

Email Address: _____

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: _____

Consultant Name: _____

Texas Board of Professional Engineers Firm Registration Number: _____

Contact Name: _____ Title: _____

Mailing Address: _____

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

Phone Number: _____

Email Address: _____

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

Name: _____

Mailing Address: _____

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

Phone Number: _____

Email Address: _____

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: _____

What is Owned: Facility Units Property

Other (describe): _____

Mailing Address: _____

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

Phone Number: _____

Email Address: _____

20. Other Government Entities Information

Texas Department of Transportation

District: _____

District Engineer's Name: _____

Mailing Address: _____

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

Phone Number: _____

Email Address: [REDACTED]

Local Government Authority Responsible for Road Maintenance (if applicable)

Government or Agency Name: _____

Contact Person's Name: _____

Mailing Address: _____

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

Phone Number: _____

Email Address: [REDACTED]

City Mayor Information

City Mayor's Name: _____
Mailing Address: _____
City: _____ County: _____ State: TX Zip Code: _____
Phone Number: _____
Email Address: _____

City Health Authority

Authority Name: _____
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: _____
Mailing Address: _____
City: _____ County: _____ State: TX Zip Code: _____
Phone Number: _____
Email Address: _____

County Health Authority

Agency Name: _____
Contact Person's Name: _____
Contact Person's Title: _____
Mailing Address: _____
City: _____ County: _____ State: TX Zip Code: _____
Phone Number: _____
Email Address: _____

State Representative Information

House District Number: _____
State Representative's Name: _____
District Office Mailing Address: _____
City: _____ County: _____ State: TX Zip Code: _____
Phone Number: _____
Email Address: _____

State Senator Information

District Number: _____
State Senator's Name: _____
District Office Mailing Address: _____
City: _____ County: _____ State: TX Zip Code: _____
Phone Number: _____
Email Address: _____

Council of Governments (COG)

COG Name: _____
COG Representative's Name: _____
COG Representative's Title: _____
Mailing Address: _____
City: _____ County: _____ State: TX Zip Code: _____
Phone Number: _____
Email Address: _____

River Basin Authority

Authority Name: _____
Contact Person's Name: _____
Watershed Sub-Basin Name: _____
Mailing Address: _____
City: _____ County: _____ State: TX Zip Code: _____
Phone Number: _____
Email Address: _____

Local Drainage or Flood Management Authority

Authority Name: _____
Contact Person's Name: _____
Mailing Address: _____
City: _____ County: _____ State: TX Zip Code: _____
Phone Number: _____
Email Address: _____

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: _____

Local Government Jurisdiction

Within City Limits of: _____

Within Extraterritorial Jurisdiction of: _____

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.

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: Mr. Troy Mars Title: Owner

Email Address: [REDACTED]

Signature: [Handwritten Signature] Date: 9-9-25

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 Troy Mars

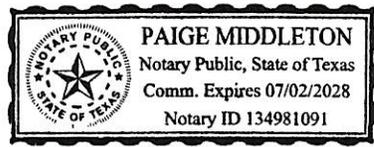
On this 9th day of September, 2025

My commission expires on the 2nd day of July, 2028

Paige Middleton

Notary Public in and for Parker County Texas (notary's jurisdiction, including county and state)

Note: Application Must Bear Signature & Seal of Notary Public



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: Troy Mars

Email Address: _____

Signature: *Troy Mars* Date: 09/09/2025

Notary

SUBSCRIBED AND SWORN to before me by the said Troy Mars

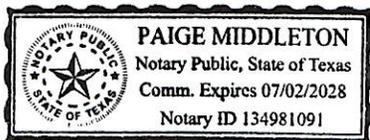
On this 9th day of September, 2025

My commission expires on the 2nd day of July, 2028

Paige Middleton
Notary Public in and for

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

Note: Application Must Bear Signature & Seal of Notary Public



Part I Attachments

Refer to instruction document [TCEQ 00650-instr⁵](#) for professional engineer seal requirements.

Attachments Table 1. Required attachments.

Required Attachments	Attachment Number
Supplementary Technical Report [30 TAC 305.45(a)(8)]	
Property Legal Description [30 TAC 330.59(d)(1)]	
Property Metes and Bounds Description [30 TAC 330.59(d)(1)]	
Facility Legal Description [30 TAC 330.59(d)(1)]	
Facility Metes and Bounds Description [30 TAC 330.59(d)(1)]	
Metes and Bounds Drawings [30 TAC 330.59(d)(1)]	
On-Site Easements Drawing [30 TAC 330.61(c)(10)]	
Land Ownership Map [30 TAC 330.59(c)(3)]	
Landowners List [30 TAC 330.59(c)(3)]	
Mailing Labels (in electronic file, in Avery 5160 format; see instructions) [30 TAC 281.5(7)]	
General Location Maps [30 TAC 330.59(c)(2)]	
Texas Department of Transportation (TxDOT) County Map [30 TAC 330.59(c)(2)]	
General Topographic Maps [30 TAC 330.61(e)]	
Verification of Legal Status / Legal Authority (certificate of incorporation) [30 TAC 281.5 and 330.59(e)]	
Evidence of Competency [30 TAC 330.59(f)]	
Signatory Authority Documentation [30 TAC 305.44 and 330.59(g)]	
TCEQ Core Data Form(s) TCEQ-10400⁶ [30 TAC 281.5(7)]	

⁵ www.tceq.texas.gov/downloads/permitting/waste-permits/msw/forms/00650-instr.pdf

⁶ www.tceq.texas.gov/permitting/central_registry/guidance.html

Attachments Table 2. Additional attachments as applicable.

Additional Attachments (select all that apply and add others as needed)	Attachment Number
<input type="checkbox"/> Plain Language Summary Form TCEQ-20947 ⁷ [30 TAC 39.405(k)]	
<input type="checkbox"/> Public Involvement Plan Form TCEQ-20960 ⁸	
<input type="checkbox"/> Fee Payment Receipt	
<input type="checkbox"/> Confidential Documents	
<input type="checkbox"/> Waste Storage, Processing and Disposal Ordinances [Texas Health and Safety Code, Section 363.112 ⁹]	
<input type="checkbox"/> 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

TCEQ CORE DATA FORM



TCEQ Core Data Form

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

1.1 SECTION I: General Information

1. Reason for Submission <i>(If other is checked please describe in space provided.)</i>		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization <i>(Core Data Form should be submitted with the program application.)</i>		
<input type="checkbox"/> Renewal <i>(Core Data Form should be submitted with the renewal form)</i>	<input type="checkbox"/> Other	
2. Customer Reference Number <i>(if issued)</i>	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number <i>(if issued)</i>
CN 0		RN 0

1.2 SECTION II: Customer Information

4. General Customer Information	5. Effective Date for Customer Information Updates (mm/dd/yyyy)	9/4/2025	
<input checked="" type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership <input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)			
<i>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).</i>			
6. Customer Legal Name <i>(If an individual, print last name first: eg: Doe, John)</i>		<i>If new Customer, enter previous Customer below:</i>	
Parker Waste Services LLC			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number <i>(if applicable)</i>
802514111	32061220078	81-3482802	11-802-7926
11. Type of Customer:	<input type="checkbox"/> Corporation	<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input checked="" type="checkbox"/> Other	<input type="checkbox"/> Sole Proprietorship	<input checked="" type="checkbox"/> Other: LLC, S Corp	
12. Number of Employees		13. Independently Owned and Operated?	
<input type="checkbox"/> 0-20 <input checked="" type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following									
<input type="checkbox"/> Owner			<input type="checkbox"/> Operator			<input checked="" type="checkbox"/> Owner & Operator		<input type="checkbox"/> Other:	
<input type="checkbox"/> Occupational Licensee			<input type="checkbox"/> Responsible Party			<input type="checkbox"/> VCP/BSA Applicant			
15. Mailing Address:	Parker Waste Services LLC								
	PO Box 2047								
	City	Weatherford	State	TX	ZIP	76085	ZIP + 4		
16. Country Mailing Information (if outside USA)					17. E-Mail Address (if applicable)				
					██████████				
18. Telephone Number			19. Extension or Code			20. Fax Number (if applicable)			
(817) 938-1504						() -			

1.3 SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If "New Regulated Entity" is selected, a new permit application is also required.)								
<input type="checkbox"/> New Regulated Entity <input checked="" type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> 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.)								
Parker Waste Services Transfer Station								
23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>	Parker Waste Services LLC							
	450 Joyce Street							
	City	Weatherford	State	TX	ZIP	76085	ZIP + 4	
24. County	Parker							

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

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

<p>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).</p>																							
27. Latitude (N) In Decimal:												28. Longitude (W) In Decimal:											
Degrees			Minutes			Seconds			Degrees			Minutes			Seconds								
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								56211															
<p>33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)</p>																							
Municipal Solid Waste and Recycling																							
34. Mailing Address:		Parker Waste Services LLC																					
		PO Box 2047																					
		City		Weatherford		State		TX		ZIP		76085		ZIP + 4									
35. E-Mail Address:		[REDACTED]																					
36. Telephone Number						37. Extension or Code						38. Fax Number (if applicable)											
(817) 938-1504												() -											

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.

<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input checked="" type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input checked="" type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil

<input type="checkbox"/> Voluntary Cleanup	<input type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	David C. McCormick, P.E.	41. Title:	Department Manager
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(501) 249-4334		() -	

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:	Parker Waste Services LLC	Job Title:	Owner
Name (In Print):	Mr. Troy Mars	Phone:	(817) 938- 1504
Signature:		Date:	

PUBLIC INVOLVEMENT PLAN



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 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.

(City)

(County)

(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

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

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

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

- (e) Languages commonly spoken in area by percentage

- (f) Community and/or Stakeholder Groups

- (g) Historic public interest or involvement

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

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

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

Yes No

(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)

PLAIN LANGUAGE SUMMARY

English



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

B. Information About the Applicant

Name:

Applicant Type:

Facility Name:

Permit Application Number:

Customer Number (CN):

Regulated Entity Reference Number (RN):

C. Location of the Proposed Facility

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

Link to Map of Facility Location ([TCEQ Location Mapper](#)²):

D. Information about Facility Operation

What types of waste would be received?

What geographical area would the wastes come from?

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?

At what rate would wastes be accepted?

How would wastes be managed?

E. Pollution Control Methods

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

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

PLAIN LANGUAGE SUMMARY

Spanish



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

B. Información sobre el solicitante

Nombre:

Tipo de solicitante:

Nombre de la instalación:

Número de solicitud de permiso:

Número de cliente (CN):

Número de referencia de la entidad regulada (RN):

C. Ubicación de la instalación propuesta

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

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

D. Información sobre el funcionamiento de las instalaciones

¿Qué tipos de residuos se recibirían?

¿De qué zona geográfica procederían los residuos?

¹ www.tceq.texas.gov/goto/view-30tac

² www.tceq.texas.gov/gis/hb-610-viewer

¿Qué días y horas funcionará la instalación?

¿A qué ritmo se aceptarían los residuos?

¿Cómo se gestionarían los residuos?

E. Métodos de control de la contaminación

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

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

Type V Permit Application

Parts I/II

General Application Requirements

Parker Waste Services Transfer Station
Parker County, Texas
TCEQ Permit No. MSW-TBD

September 2025 | Report Number: 35247187

Prepared for:



Parker Waste Services LLC
PO Box 2047
Weatherford, Texas 76085



Nationwide
[Terracon.com](https://www.terracon.com)

- Facilities
- Environmental
- Geotechnical
- Materials

Table of Contents

1.0	INTRODUCTION	2-1
2.0	SUPPLEMENTARY TECHNICAL REPORT	2-1
2.1	Facility Description and Project Overview	2-1
2.1.1	Waste Acceptance Plan	2-2
2.1.2	Projected Transfer Rate	2-4
2.1.3	Facility Design Report	2-5
2.1.4	Site Operating Plan	2-6
2.2	Abandoned Oil and Water Wells	2-6
2.2.1	Water Wells	2-6
2.2.2	Oil and Gas Wells	2-7
2.3	Texas Historical Commission Review	2-7
2.4	Central Texas Council of Governments	2-7
2.5	Internet Posting	2-7
2.6	Other Permits/Authorizations	2-7
3.0	EXISTING CONDITIONS SUMMARY	3-8
4.0	MAPS	4-8
5.0	PROPERTY OWNERS LIST AND MAP	5-9
6.0	AERIAL PHOTOGRAPH	6-9
7.0	LAND USE	7-9
7.1	Character of Surrounding Land and Land Use	7-9
7.2	Location and Zoning	7-10
7.3	Surrounding Land Use	7-10
7.4	Growth Trends of the Nearest Community	7-10
7.5	Proximity to Residences and Other Uses	7-11
7.6	Impact on Surrounding Areas	7-11
7.7	Oil and Water Wells	7-11

8.0	TRANSPORTATION	8-11
8.1	Traffic Information	8-11
8.2	Airport Impact	8-12
9.0	GENERAL GEOLOGY AND SOILS STATEMENT	9-12
10.0	GROUNDWATER AND SURFACE WATER STATEMENT	10-12
10.1	Groundwater Statement.....	10-12
10.2	Surface Water Statement	10-13
11.0	FLOODPLAIN AND WETLANDS STATEMENT	11-13
11.1	Floodplain Statement	11-13
11.2	Wetlands Statement	11-14
12.0	PROTECTION OF ENDANGERED SPECIES.....	12-14
13.0	LEGAL DESCRIPTION	13-14
14.0	PROPERTY OWNER AFFIDAVIT	14-14
15.0	LEGAL AUTHORITY	15-14
16.0	EVIDENCE OF COMPETENCY	16-15
16.1	Solid Waste Sites	16-15
16.2	The Parker Waste Services Transfer Station Key Personnel	16-15

List of Figures

- Figure 1 Proposed Transfer Station Location and Existing Landfills
- Figure 2 PWS Property Existing Conditions (Aerial)
- Figure 3 Transfer Station Preliminary Site Plan
- Figure 4 Water Well Map
- Figure 5 Oil and Gas Well Map
- Figure 6 General Topographic Quad Map
- Figure 7 Structures and Buildings within 500 feet

- Figure 8 Land Use and Zoning Map
- Figure 9 Cities Within 5 Miles
- Figure 10 National Flood and Wetland Map

List of Attachments

- Attachment A Correspondences
- Attachment B Property Owner List
- Attachment C Traffic Study
- Attachment D Endangered Species Study
- Attachment E Legal Description
- Attachment F Property Owner Affidavit
- Attachment G Legal Authority

1.0 INTRODUCTION

The Parker Waste Services Transfer Station (TS) is a proposed Type V municipal solid waste (MSW) TS facility to be located within the ETJ of Weatherford, Texas. The proposed facility will be located at 450 Joyce Street, Weatherford, Texas, 76085 in Parker County. This proposed facility will provide a more efficient means to transfer MSW and recyclable materials that are generated in the Parker and the surrounding Counties to area landfills.

The General Application Requirements section (Parts I and II) of this permit application for the Parker Waste Services TS has been prepared consistently with the applicable State of Texas requirements set forth in Title 30 Texas Administrative Code (TAC). Section 2, Supplementary Technical Report, presents an overview of the project and a detailed facility description as well as the types of waste that will be accepted at the facility. The remaining portions of the General Application Requirements section of the permit application present information on specific existing conditions on and around the TS and legal matters of the entities involved in the application process. The General Application Requirements have been combined in accordance with Title 30 TAC §330.57(c)(2).

2.0 SUPPLEMENTARY TECHNICAL REPORT

2.1 Facility Description and Project Overview

The Parker Waste Services TS is a proposed permitted municipal solid waste TS facility located within the ETJ limits of Weatherford, Texas. The proposed facility is located at 450 Joyce Street, Weatherford, Texas 76085 in Parker County, Texas. The longitudinal and latitudinal geographic coordinates for the facility are shown in Section 4.

The proposed facility will establish a permit boundary of 9.78 acres. The TS will provide services to contractors and self-haulers (i.e., cars and pickups). This service area is based on economic conditions, and the facility may accept waste from areas other than those identified above. The quantity and types of waste to be transferred at the proposed facility, as well as the site design and site operations, are discussed in the following subsections.

2.1.1 Waste Acceptance Plan

The proposed transfer station facility will consist of an approximate 13,000 square foot steel-framed building with a concrete tipping floor. The walls will be made of corrugated metal. The steel building is about 130 feet long and 100 feet wide.

The major classifications of solid waste to be accepted at the Parker Waste Services TS include household waste, brush, yard waste, commercial solid waste, Class 2 and Class 3 industrial waste (nonhazardous), special waste, and construction-demolition waste. Each classification of waste is defined in Title 30 TAC §330.3 and summarized below:

- Household Waste: Any solid waste (including garbage, trash] derived from households (including single family and multi-family residences, hotels, motels, bunkhouses, ranger stations, crew quarters, campgrounds, picnic grounds, and day-use recreation areas); does not include brush.
- Brush: Cuttings or trimming from trees, shrubs, or lawns and similar materials.
- Yard Waste: Leaves, grass clippings, yard and garden debris, and brush, including clean woody vegetative material not greater than six inches in diameter, that results from landscaping maintenance and land-clearing operations. The term does not include stumps, roots, or shrubs with intact root balls.
- Commercial Solid Waste: All types of solid waste generated by stores, offices, restaurants, warehouses, and other nonmanufacturing activities, excluding residential and industrial wastes.
- Industrial Waste (Nonhazardous): Solid waste resulting from or incidental to any process of industry or manufacturing, or mining or agricultural operations, classified as follows:
 - Class 2 Industrial Solid Waste - Any individual solid waste or combination of industrial solid wastes that are not described as Hazardous, Class 1, or Class 3, as defined in Title 30 TAC §335.506 (relating to Class 2 Waste Determination).
 - Class 3 Industrial Solid Waste - Inert and essentially insoluble industrial solid waste, usually including, but not limited to, materials such as rock, brick, glass, dirt, and certain plastics and rubber, etc., that are not readily decomposable as further defined in Title 30 TAC §335.507 (relating to Class 3 Waste Determination).

- Construction-Demolition Waste: Waste resulting from construction or demolition projects; includes all materials that are directly or indirectly the by-products of construction work or that result from demolition of buildings and other structures, including, but not limited to, paper, cartons, gypsum board, wood, excelsior, rubber, and plastics.
- Special Waste: Any solid waste or combination of solid wastes that because of its quantity, concentration, physical or chemical characteristics, or biological properties requires special handling and disposal to protect the human health or the environment. Only the following special wastes will be accepted at this facility:
 - used cooking oil (for recycling only);
 - whole used or scrap tires or tire pieces (for recycling only); and
 - white goods.

Consistent with Title 30 TAC §330.15(e), the facility will not accept the following:

- Regulated Hazardous Waste other than from Conditionally Exempt Small Quantity Generators (CESQG). Municipal hazardous waste from a CESQG may be accepted provided the generator provides a certification that it generates no more than 220 pounds of hazardous waste per calendar month.
- Polychlorinated Biphenyl (PCB) wastes, as defined under 40 Code of Federal Regulations, Part 761.
- Items containing chlorinated fluorocarbons (CFCs), such as refrigerators, freezers, and air conditioners, unless the generator or transporter provides written certification that the CFCs have been evacuated from the unit and that it was not knowingly allowed to escape into the atmosphere. These appliances may be accepted without certification at the discretion of NTMWD staff and stored until removed from the facility by a third-party recycler who will engage a certified operator to properly remove the CFCs.
- Liquid waste which does not pass EPA Method 9095 Paint Filter Test unless it is bulk or non-containerized liquid waste that is:
 - household waste other than septic waste;
 - contained liquid waste and the container is a small container similar in size to that normally found in the household waste; or
 - in a container designated to hold liquids for use other than storage.
- Regulated Asbestos Containing Materials.
- Lead acid storage batteries.

- Used oil filters from internal combustion engines.
- Whole or used scrap tires (if not for recycling).
- Radioactive materials.
- Associated hazardous waste from conditionally exempt small quantity generators that may be exempt from full controls under Chapter 335, Subchapter N of this title (relating to Household Materials Which Could Be Classified as Hazardous Wastes).
- Class 1 industrial non-hazardous waste.
- Untreated medical waste.
- Septic tank pumpings.
- Grease and grit trap wastes.
- Wastes from commercial or industrial wastewater treatment plants, air pollution control facilities, and tanks, drums, or containers used for shipping or storing any material that has been listed as a hazardous constituent in 40 CFR, Part 261, Appendix VIII but has not been listed as a commercial chemical product in 40 CFR, Section 261.33(e) or (f).
- Incinerator ash.
- Sludges.

2.1.2 Projected Transfer Rate

The Parker Waste Services TS will serve residences and businesses, including those in the Service Area. This is a proposed TS and it expects to received approximately 28,600 tons during the 2025 fiscal year beginning January 1, 2025 and ending December 31, 2025.

Waste will be transferred to a permitted facility daily that the transfer station is open except for extenuating circumstances such as inclement weather or mechanical breakdown. As economic conditions, population growth, and waste generation rates change, the volume of incoming waste may vary.

The estimated maximum annual waste acceptance rate for the facility for five years is shown in the following table.

Parker Waste Services Fiscal Year (1)	Expected Waste Acceptance Rate	
	Daily (tons/day) (2)	Annually (tons/Year)
2025	100	28,600
2026	100	28,600
2027	100	28,600
2028	100	28,600
2029	100	28,600

1. The fiscal year runs from January 1 to December 31.
2. The proposed averaged over 365 days per year at 100 tons Monday through Friday and 50 tons on Saturdays.

In Texas, the average per capita disposal rate for municipal solid waste is approximately 6.96 pounds per person per day based on the TCEQ Agency Activities: Waste Management (FY2019-2020).

$6.96 \text{ lbs./day/person} \times 365 \text{ days per year} = 2,540.40 \text{ lbs./yr} = 1.27 \text{ tons/yr/person}$
 $28,600 \text{ tons/year} / 1.27 \text{ tons/year/person} = \text{approximately } 22,520 \text{ people per year.}$

This means that the facility should be able to take care of approximately 22,520 residents a year before needing to expand the facility. The waste storage is not expected to exceed 72 hours and is expected to be removed every 24 hours on average. The trucks will be covered. The facility will not accept liquid waste or sludge.

2.1.3 Facility Design Report

The proposed site plans included within this permit application set forth the overall design and operating characteristics of the proposed TS facility (See Figure 3). Figures showing the proposed Type V TS facility layout are presented in the attached figures section of this document in the Facility Design Report in Part III of the application. A summary of the proposed development of the proposed facility is listed below.

- The proposed TS building will be a metal building with a concrete floor. The structure will be approximately 100 feet wide and 130 feet long.
- Transfer trucks, collection vehicles, and self-haul vehicles will all enter and exit the site from the north side of the property from Joyce Street.

- The collection and self-haul vehicles will enter the transfer station building on the west side of the building. The waste will be unloaded onto the tipping floor. The waste will be pushed to the east side of the building and into collection containers. The collection trucks will then exit the east side of the transfer station building and follow the route to the southeast exit of the facility.
- All tipping will occur within the transfer station building. All tipped material will be stored on the tipping floor and pushed by wheel loaders toward east side of the building.

2.1.4 Site Operating Plan

The Site Operating Plan (SOP) for the proposed Parker Waste Services TS is presented in Part IV of this permit application. The site will be operated by appropriately trained personnel. The SOP details the required equipment, personnel, and safety procedures required to operate the site in accordance with TCEQ regulations.

2.2 Abandoned Oil and Water Wells

2.2.1 Water Wells

A water well search was conducted by ERIS, for an area within one mile of the permit boundary, including within the facility boundary. The results by ERIS revealed that there are 5 water wells within 1 mile of the permit boundary, and the nearest one is over 995 feet away (See Figure 4).

No existing or abandoned water wells are known within the facility boundary. In accordance with §330.61(I)(I), if during the operations of the facility a water well is discovered within the facility, the Parker Waste Services shall, within 30 calendar days after discovery, provide written certification to the TCEQ that all such wells have been capped, plugged, and closed in accordance with all applicable rules and regulations of the TCEQ or other state agency.

2.2.2 Oil and Gas Wells

An oil and gas well searches were conducted by ERIS, for an area within 500 feet of the permit boundary including within the facility boundary. The results by ERIS revealed that there were no producing well locations or plugged wells located within the study area (See Figure 5).

2.3 Texas Historical Commission Review

A Texas Historical Commission coordination letter is included in Attachment A. The Historical Commission concluded that the closest recorded sites are located approximately 1.3 miles to the southwest (Greenwood Cemeteries) The next sites are approximately within 2 miles southwest of the transfer station tract (The City of Weatherford Historic District).

2.4 Central Texas Council of Governments

The proposed Type V facility is consistent with the Regional Solid Waste Management Plan for the Central Texas Council of Governments (CTCOG). A letter documenting coordination with the CTCOG is included in Attachment A.

2.5 Internet Posting

In accordance with Title 30 TAG §330.57(f), a complete copy of this permit application will be posted to the internet at the following publicly accessible website: www.pwstransferstation.com

All future revisions or supplements to this permit application will also be posted at the same location. This internet posting is for informational purposes only. The TCEQ website will also contain information regarding the filing of this permit application along with a link to the above-mentioned web address.

2.6 Other Permits/Authorizations

In accordance with Title 30 TAC §305.45(a)(7), the related permits and authorizations for the facility are summarized in Table 2-1.

3.0 EXISTING CONDITIONS SUMMARY

The existing conditions of the site are shown on Figure 2. The proposed Parker Waste Services TS permit boundary encompasses 9.78 acres. The north boundary is formed by Joyce Street and vacant property. The east boundary is formed by Tanglewood Street. The south and west boundary is residential properties.

As shown on Figure 2, the existing site topography is elevated along the north and west sides of the transfer station property. The proposed TS facility and other operations will vary in elevation from approximately 1,050 to 1,100 feet above mean sea level (ft-msl). The surrounding area consists primarily of residential, light industrial property, transportation corridors, churches, retail/office property, and industrial/commercial property.

There are no site-specific conditions that require any special design considerations, possible mitigation of the surrounding area land uses, transportation infrastructure improvements, soils and geology considerations, ground and surface water protection, abandoning oil and water wells, or impacting floodplains, wetlands, endangered species, significant archaeological or historic resources conditions, or sites with exceptional aesthetic qualities. Each of the criteria set forth in Title 30 TAG §330.61(h) through (o) are discussed in detail in Sections 7 through 13.

The proposed registration boundary will be surrounded by a 6-foot-tall chain link fence and roadways that protect the public from exposure to potential health and safety hazards and discourage unauthorized or uncontrolled disposal of solid or hazardous material.

4.0 MAPS

A site location map and general topographic map are presented on Figures 1 and 6. Structures and inhabitable buildings located within 500 feet are shown on Figure 7. The longitudinal and latitudinal geographic coordinates for the proposed Parker Waste Services TS are 32°47'2.31"N, 97°47'7.79"W.

Figure 10 show surface water bodies in accordance with Title 30 TAC §330.59(c)(1) and §305.45(a)(6)(A). Figure 4 shows and/or indicates wells and springs in

accordance with Title 30 TAC §330.59(c)(1) and §305.45(a)(6)(A). As noted in Figure 4, no springs exist within a one-mile radius of the site.

5.0 PROPERTY OWNERS LIST AND MAP

The following list and figure in Attachment B provide the names, mailing addresses, and locations of the "Adjacent and Potentially Affected Landowners" around the facility. The list is based on appraisal district records of the Parker County Appraisal District as of January 17, 2025, and includes tracts within 1/4 mile of the permit boundary. Refer to Figure 1 in Attachment B, Property Owners Map, for location of the properties. The numbers on the landowners list correspond to the numbers listed on Figure 1. The Parker County Appraisal District records do not list mineral rights ownership records.

6.0 AERIAL PHOTOGRAPH

An aerial photograph of the proposed Type V TS site and surrounding area (minimum of one-mile radius from the site) is presented on Figure 9. Figure 9 shows the surrounding area within 1 mile and the surrounding Cities withing 5 miles. Figure 1 shows the facility and the existing permitted landfills within 50 miles of the facility.

7.0 LAND USE

7.1 Character of Surrounding Land and Land Use

A land use evaluation was performed for the area within one mile of the proposed transfer station permit boundary. Land use information is summarized in the following maps.

- Figure 8 (Zoning Map). This map indicates the surrounding Zoning designations within two miles of site.
- Figure 9 (Land Use Map - Aerial). This map highlights land use within a one-mile radius and Cities withing five-mile radius of the site on an aerial photograph.

7.2 Location and Zoning

The proposed Parker Waste Services TS is located within the ETJ limits of Weatherford, Texas. The site is located approximately 1.8 miles northeast of downtown Weatherford. Land use within a one-mile radius is shown on Figures 8 and 9 and consists of mostly residential areas, with open space/agriculture and industrial/commercial uses making up the remainder.

Zoning in the vicinity of the site is shown graphically on Figure 8. As shown, the primary zoning designations around the TS site is unincorporated area with residential and agricultural. Within 2 miles of the site, the majority of zoned properties are residential and open space/agricultural, with retail and commercial zones located along County Road 51.

As shown on Figure 3 shows the preliminary site plan for the 9.78-acre permit boundary. Figure 8 shows that it is presently zoned Unincorporated.

7.3 Surrounding Land Use

Land use within a one-mile radius of the permit boundary is a mix of mainly unincorporated area with residential and agricultural/open space property. The properties located immediately northwest and west are industrial; immediately to the south is bounded by residential properties. Properties to the northeast and east are primarily residential or undeveloped land. The nearest residential building to the site is located approximately 60 feet east of the permit boundary. There is 1 school and 2 churches within one mile of the permit boundary. There are no cemeteries within one mile of the permit boundary.

7.4 Growth Trends of the Nearest Community

The permit boundary is located in the Extraterritorial Jurisdiction (ETJ) of Weatherford Texas. Census data and the projected population growth was used to determine the growth trend (or percent change in population] for the service area. Weatherford, Texas, has experienced significant growth in recent years. The average annual growth rate from 2000 to 2023 was approximately 4.25% per year (based on Neilsberg Research). More recently, the city has been growing at a rate of 6.09% annually (World Population in Review).

7.5 Proximity to Residences and Other Uses

The proposed transfer station is in a predominantly unincorporated area with some residential and undeveloped areas. The highest area land usage within 1-mile of the permit boundary is residential area. The nearest residence is approximately 60 feet east of the permit boundary.

7.6 Impact on Surrounding Areas

Parker Waste Services (PWS) currently performs roll-off dumpster rentals, weekly cart and dumpster service in Parker County. The addition of this transfer station would:

- Improve the services to the local community
- The facility is near light industrial-zoned properties
- The waste transfer operations will occur in the transfer station building
- The transfer station will reduce the amount of travel required for the hauling trucks (reduced traffic on roadways)
- The transfer station will not adversely impact human health or environment.

7.7 Oil and Water Wells

According to a January 2025 report completed by ERIS, there are no known oil or gas wells located within 500 feet of the proposed TS site. A one-mile water well search was conducted for the TS site and identified 5 water wells within one mile of the proposed TS site. The information is shown on Figures 4 and 5.

8.0 TRANSPORTATION

8.1 Traffic Information

Vehicles bound for the PWS TS will access and exit the site from the north side using Joyce Street. The main access road to the facility is County Road 51 approximately .6 miles to the west and Ric Williamson Memorial Highway that is approximately 280 feet to the north.

Consistent with Title 30 TAC §330.61(1), a traffic study for the transfer station was

completed and submitted to TxDOT. The traffic study is included in Attachment C. The facility is not expecting to need any additional Improvements to Joyce Street or Tanglewood Street.

8.2 Airport Impact

There is one public-use airport within six miles of the facility. Valley Oaks Airport is located approximately 4.2 miles northeast of the site. In accordance with Title 30 TAC §330.61(i)(5), an airport impact evaluation of the facility is required only for landfill units and landfill mining operations, and thus is not required for a transfer station.

9.0 GENERAL GEOLOGY AND SOILS STATEMENT

According to the USDA soils the Weatherford series consists of deep, well drained, moderately permeable soils that formed in sandy and loamy residuum weathered from sandstone and siltstone of Cretaceous age. These very gently sloping to strongly sloping soils occur mainly on convex ridges on hills. The slopes range is 1 to 12 percent.

10.0 GROUNDWATER AND SURFACE WATER STATEMENT

10.1 Groundwater Statement

Weatherford, Texas, is situated above several important aquifers that provide groundwater resources for the area. The Trinity Aquifer is the primary source of groundwater in the area. It consists of several layers, including the Antlers, Twin Mountains, and Paluxy formations. The Trinity Aquifer is known for its significant water-bearing capacity and is widely used for municipal, industrial, and agricultural purposes. Parker County Groundwater Conservation District manages and conserves groundwater resources in Parker County, including Weatherford. They monitor water levels and quality to ensure sustainable use. The depth of the Trinity Aquifer below Weatherford, Texas, can vary. Generally, the freshwater saturated thickness of the Trinity Aquifer averages about 600 feet in North Texas

10.2 Surface Water Statement

The permit boundary for the TS is located in the Trinity River Basin. The majority of the on-site runoff drains to the southeast towards willow creek. The soil conservation service reservoir #29 is approximately 6 miles southeast of the facility.

The TS improvements have been developed to achieve the following goals.

- Prevent a discharge of solid wastes or pollutants adjacent to or into the water in Texas.
- Prevent a discharge of pollutants into waters of the United States.
- Prevent a discharge of nonpoint source pollution to waters of the United States.
- Avoid adverse alteration of existing drainage patterns.
- Drainage from the permit boundary area is designed to maintain the current drainage patterns on the permit boundary and will prevent the offsite discharge of waste and feedstock material, including, but not limited to, in-process and/or processed materials. Surface water drainage in and around the TS facility will be controlled to minimize surface water running onto, into, and off the processing area.

The TS facility will operate in such a manner as to prevent discharge of pollutants into waters of the state or United States as defined by the Texas Water Code and the Federal Clean Water Act. The property does not currently have a TPDES General Permit for Stormwater Discharges, under Standard Industrial Code (SIC) 4212 (Transportation and Warehousing). The site will not begin operation without an approved TPDES permit.

11.0 FLOODPLAIN AND WETLANDS STATEMENT

11.1 Floodplain Statement

As shown on Figure 10, the TS facility is not located within the 100-year floodplain. The nearest FEMA defined floodplain is located over 600 feet to the southeast of the permit boundary that follows willow creek to reservoir #29.

11.2 Wetlands Statement

Terracon performed a determination of "waters of the US" [WOTUS] including wetlands for the TS facility. The jurisdictional determination consisted of a pre-field literature review. The National Flood and Wetland Map is shown on Figure 10, and a copy of the report can be found in Attachment D. Based on the information included in the report, there are no WOTUS located within the permit boundary.

12.0 PROTECTION OF ENDANGERED SPECIES

The IPac resource list is in Attachment D. The report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as trust) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project site. Based on the information included in the report, the facility and the operation of the facility will not result in the destruction or adverse modification of the critical habitat of endangered or threatened species, or cause or contribute to the taking of an endangered or threatened species as described in TAC §330.61(n)(l). Therefore, this facility will be in compliance with all applicable federal, state and local laws regarding threatened and endangered species. A copy of the report can be found with the WOTUS determination in Attachment D.

13.0 LEGAL DESCRIPTION

A legal description of the 9.78-acre permit boundary is included on the following pages in Attachment E. The area within the permit boundary is owned by Mr. Troy Mars.

14.0 PROPERTY OWNER AFFIDAVIT

The property owner affidavit is in Attachment F.

15.0 LEGAL AUTHORITY

The certificates provided in Attachment G document the legal status of the applicant.

16.0 EVIDENCE OF COMPETENCY

16.1 Solid Waste Sites

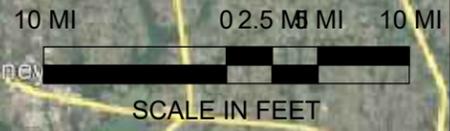
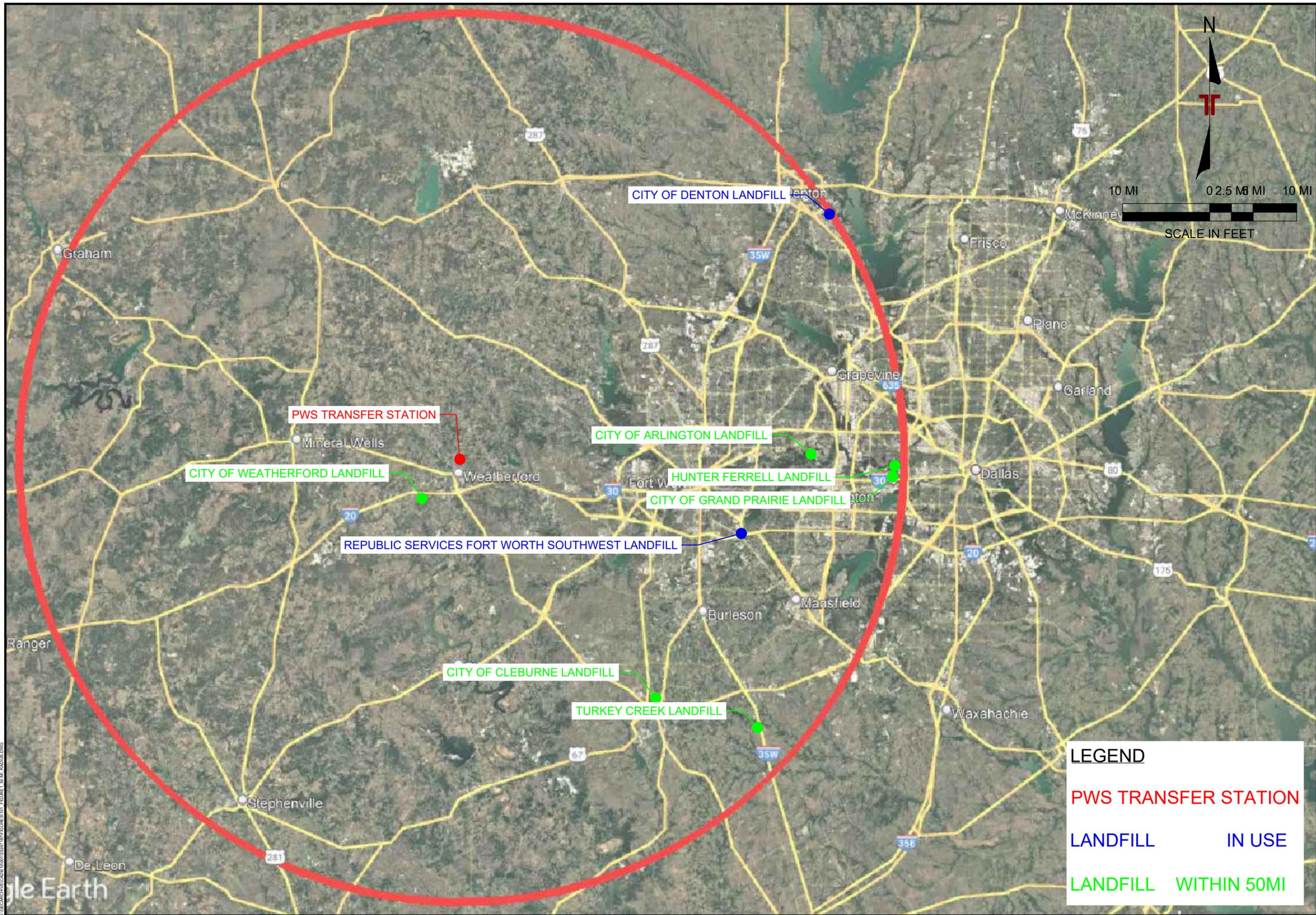
Parker Waste Services began operations in 2016 with roll-off dumpster rentals. In 2018, weekly cart and dumpster service was added to our offerings. Through steady and purposeful growth, PWS now serves six counties (and counting) in North Texas.

16.2 The Parker Waste Services Transfer Station Key Personnel

The key personnel that will be involved in the management and operations of the improved TS facility are listed below:

Mr. Troy Mars is the President and Owner of the facility. Mr. Mars will be involved in the hiring and training of facility personnel for this new facility.

FIGURES



REV	DATE	BY	DESCRIPTION

LANDFILLS WITHIN 50 MI RADIUS
 TRANSFER STATION PLANS
PARKER WASTE SERVICES LLC
 PARKER WASTE SERVICE
 PARKER COUNTY
 TEXAS

LEGEND	
●	PWS TRANSFER STATION
●	LANDFILL IN USE
●	LANDFILL WITHIN 50MI

Terracon
 Consulting Engineers and Scientists
 29609 I-30 SOUTH
 PH. (501) 847-9292
 BRYANT, AR 72022
 FAX. (501) 847-9210

FIGURE 1

DESIGNED BY:	DCM
DRAWN BY:	AJS
APPVD. BY:	DCM
SCALE:	1" = 10 MI
DATE:	09/17/2024
JOB NO.:	610-001-35247187
ACAD NO.:	101
SHEET NO.:	- OF -

N:\GEOGRAPHIC\CAD\10001\35247\FIGURES\01_FIGURE_01_50 MI_RADIUS.DWG



N:\GEOARCHIVE\CAD\10001\35247\BPT\FIGURES\202 - PWS - EXISTING COND AND PROPOSED CONDITIONS REV.C.DWG

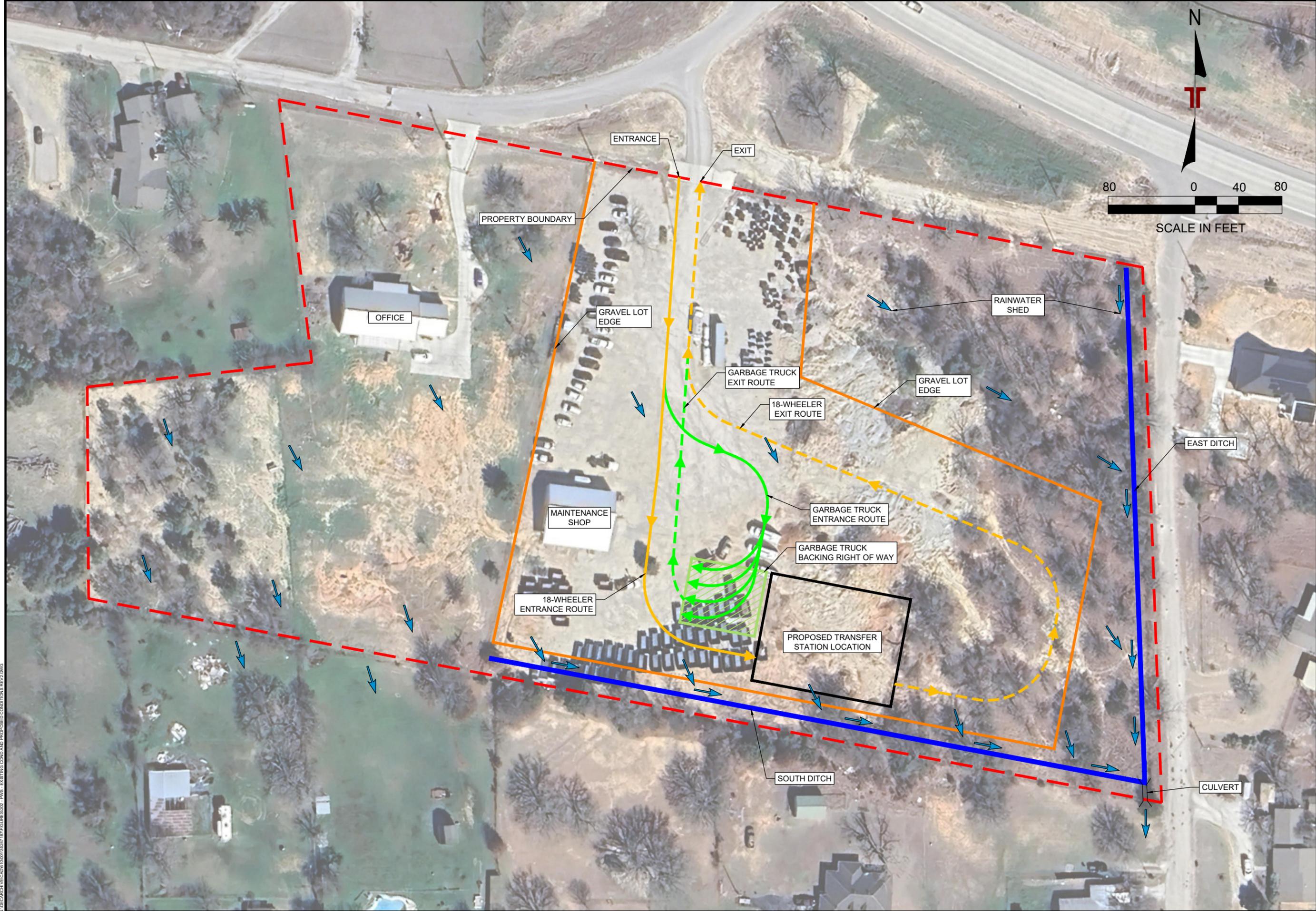
REV	DATE	BY	DESCRIPTION

EXISTING CONDITIONS
 TRANSFER STATION PERMIT APPLICATION
PARKER WASTE SERVICE LLC
 PARKER WASTE SERVICE
 PARKER COUNTY TEXAS

Terracon
 Consulting Engineers and Scientists
 25609 I-30 SOUTH BRYANT, AR 72022
 PH. (501) 847-9292 FAX. (501) 847-9210

FIGURE 2

DESIGNED BY:	DCM
DRAWN BY:	TLB
APPVD. BY:	DCM
SCALE:	SEE SCALE
DATE:	5/13/2025
JOB NO.:	610-001-35247187
ACAD NO.:	201
SHEET NO.:	- OF -



N:\GEOARCHIVE\CAD\10001\35247\BPT\FIGURES\202 - PWS - EXISTING COND AND PROPOSED CONDITIONS REV C.DWG

REV	DATE	BY	DESCRIPTION

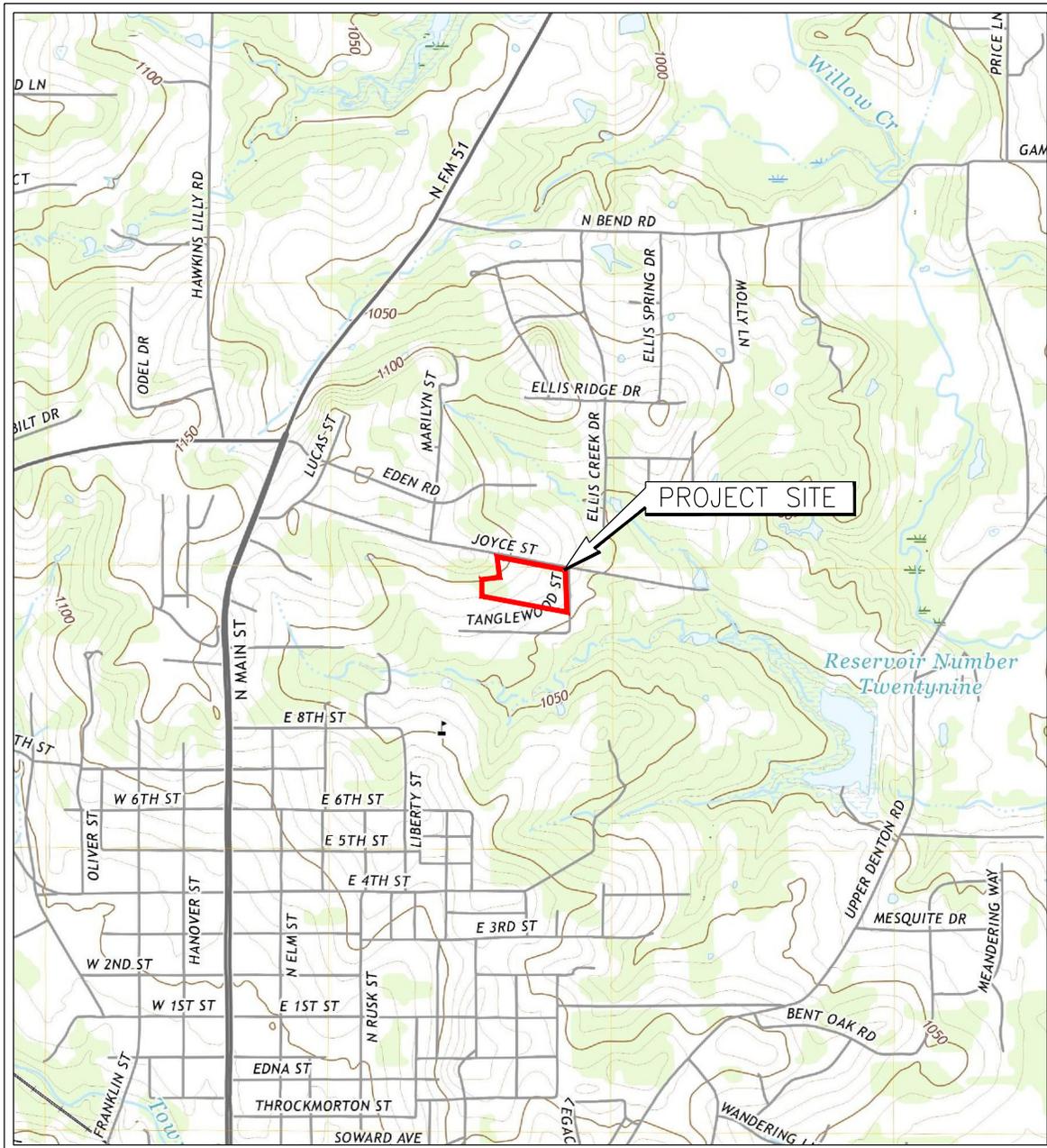
SCALE IN FEET

PROPOSED SITE PLAN
 TRANSFER STATION PERMIT APPLICATION
PARKER WASTE SERVICE LLC
 PARKER WASTE SERVICE
 PARKER COUNTY TEXAS

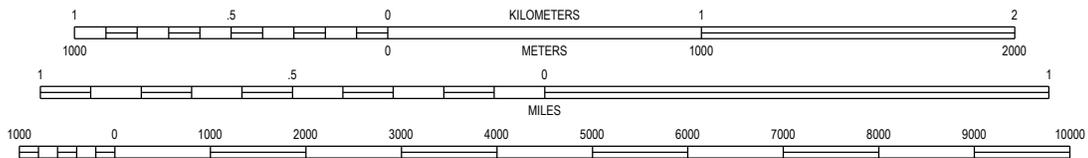
Terracon
 Consulting Engineers and Scientists
 25609 I-30 SOUTH BRYANT, AR 72022
 PH. (501) 847-9292 FAX. (501) 847-9210

FIGURE 3

DESIGNED BY:	DCM
DRAWN BY:	TLB
APPVD BY:	DCM
SCALE:	SEE SCALE
DATE:	2/27/2025
JOB NO.:	610-001-35247187
ACAD NO.:	201
SHEET NO.:	- OF -



SCALE 1:24 000



CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1988

WEATHERFORD NORTH, TEXAS
QUADRANGLE
2022
7.5 MINUTE SERIES (TOPOGRAPHIC)

N:\GCS\BENCHM\GAD\04\000\13\3647\REF\FIGURES\201 - PWS - QUAD.MAP.DWG

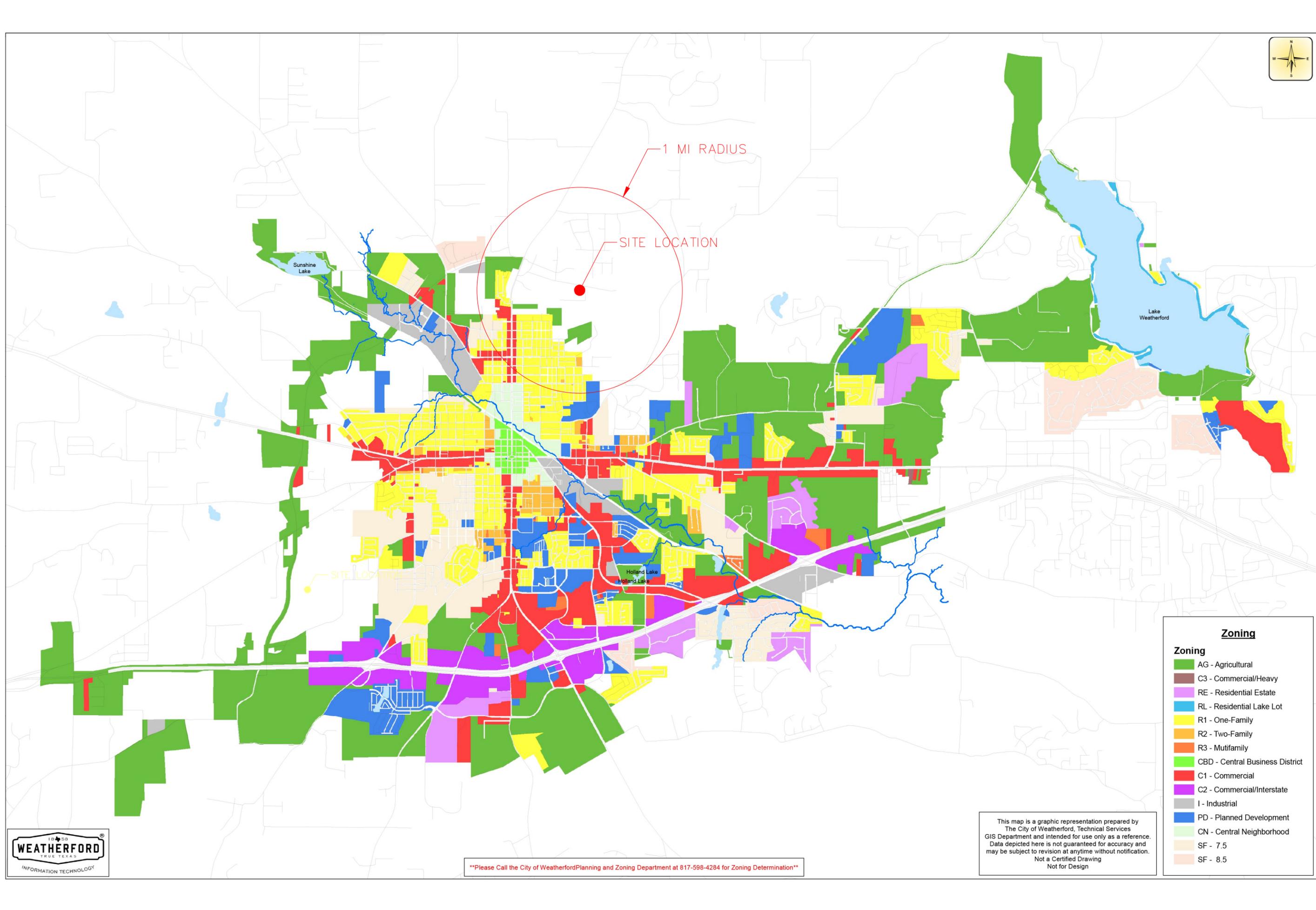
Project Mngr:	TLB
Drawn By:	TLB
Checked By:	DCM
Approved By:	DCM
Project No.	610-001-35247187
Scale:	AS SHOWN
File No.	202
Date:	2/28/2025

Terracon
Consulting Engineers and Scientists

25809 I-30 SOUTH BRYANT, AR 72022
PH. (501) 847-9292 FAX. (501) 847-9210

SITE LOCATION MAP
TRANSFER STATION PERMIT APPLICATION
PARKER WASTE SERVICES LLC
412 JOYCE STREET
PARKER COUNTY TEXAS

FIG. No.	6
----------	---



1 MI RADIUS

SITE LOCATION

Sunshine Lake

Lake Weatherford

Holland Lake

SITE LOCATION

Zoning	
	AG - Agricultural
	C3 - Commercial/Heavy
	RE - Residential Estate
	RL - Residential Lake Lot
	R1 - One-Family
	R2 - Two-Family
	R3 - Multifamily
	CBD - Central Business District
	C1 - Commercial
	C2 - Commercial/Interstate
	I - Industrial
	PD - Planned Development
	CN - Central Neighborhood
	SF - 7.5
	SF - 8.5

This map is a graphic representation prepared by The City of Weatherford, Technical Services GIS Department and intended for use only as a reference. Data depicted here is not guaranteed for accuracy and may be subject to revision at anytime without notification.
Not a Certified Drawing
Not for Design

****Please Call the City of Weatherford Planning and Zoning Department at 817-598-4284 for Zoning Determination****



REV#	DATE	BY	DESCRIPTION

LAND USE AND ZONING MAP
 PWS TRANSFER STATION
PARKER WASTE SERVICES LLC
 PARKER WASTE SERVICES
 PARKER COUNTY TEXAS

2809 130 SOUTH
 PH. (501) 847-9292
 BRYANT, AR 72022
 FAX. (501) 847-9210

FIGURE 8

DESIGNED BY:	DCM
DRAWN BY:	AS
APPVD. BY:	DCM
SCALE:	SEE SCALE
DATE:	2/28/2025
JOB NO:	610-001-35247187
ACAD NO.:	203
SHEET NO.:	- OF -

N:\GIS\ARCHIVE\CAD\000135247187\FIGURES\203_1.PWS FIGURES.DWG

ATTACHMENT A

CORRESPONDENCES



25809 I-30 South
Bryant, AR 72022

P (501) 847-9292
F (501) 847-9210

Terracon.com

May 20, 2025

Mr. Mike Eastland, Executive Director
North Central Texas Council of Governments (NCTCOG)
616 Six Flags Drive
Arlington, Texas 76011
Ph: 817.640.3300

Subject: North Central Texas Council of Governments (NCTCOG)
Parker Waste Services (PWS) Proposed Weatherford Texas
Transfer Station Permit Application
Parker County, Texas
Terracon Project No. 35247187

Dear Mr. Eastland:

The purpose of this letter is to demonstrate coordination with the North Central Texas Council of Governments (NCTCOG). The regulation requires that a permit applicant for a municipal solid waste (MSW) facility coordinate with NCTCOG to document compliance with the Texas Commission on Environmental Quality (TCEQ).

The purpose of this permit application, prepared by Terracon Consulting (Terracon), is to construct improvements to the property for a proposed Transfer Station located in Parker County Texas. The facility address is 450 Joyce Street, Weatherford, Texas 76085. The proposed facility improvements will provide this facility with the ability to collect, load, and transport solid waste more efficiently by allowing the MSW collection vehicles to transfer MSW into large transfer trailers before shipment to a permitted MSW landfills.

To assist you in your review, a project summary and site location maps have been provided as an overview of the proposed transfer station.

The site's location and the existing landfills are shown on the attached **Figure 1**. The proposed transfer station layout is shown on **Figure 2**. A summary of the proposed transfer station is attached with the previously mentioned Figures.

To verify compliance with the TCEQ we will need to include a letter from the NCTCOG within the TCEQ application that states that this facility is considered part of the community's sound regional development.

Terracon Consultants, Inc. and PWS appreciate your consideration in this matter. If you have any questions or need additional information, please feel free to contact me at 501-249-4334 or dcmccormick@terracon.com at your convenience.

Explore with us



25809 I-30 South
Bryant, AR 72022

P (501) 847-9292

F (501) 847-9210

Terracon.com

Sincerely,
Terracon Consultants, Inc.

A handwritten signature in blue ink that reads 'Allie Storment'.

Allie Storment
Staff Engineer

A handwritten signature in blue ink that reads 'David C McCormick'.

David C McCormick, P.E.
Department Manager

Enclosure: Attachment includes Project Summary and Site Figures

Troy Mars - PWS
David McCormick, P.E. - Terracon Consultants Inc.

N:\Projects\2024\35247187\Working Files\TS Application\Revised Draft 5.15.25 - AS\Parts I and II\ATTACHMENT A - CORRESPONDENCE\CTCOG Letter 5.20.25.docx

Explore with us

Proposed Project Summary
Parker Waste Services (PWS) Proposed Transfer Station
Weatherford Texas
Parker County

Project Description

Terracon Consulting is in the process of developing a proposed Type V municipal solid waste (MSW) transfer station permit application for the PWS Transfer Station (TS) on behalf of Parker Waste Services on their Weatherford, Texas property. The proposed TS will provide the PWS with the ability to collect, load, and transport solid waste from Weatherford Texas, Parker County, and the surrounding areas more efficiently by allowing the MSW collection vehicles to transfer MSW into large transfer trailers before shipment to permitted MSW landfills (See **Figure 1** for location of the proposed transfer station and the existing permitted landfills).

As shown on **Figure 2**, the proposed entrance and exit to the TS is located off Joyce Street approximately 515 feet to the west of Tanglewood Street. Joyce Street connects to the Ric Williamson Memorial Highway to the north.

The purpose of this application is to permit the proposed TS facility to process up to a maximum daily rate of 100 tons per day (tpd) of MSW from Parker County and surrounding areas, and to transfer this waste to a TCEQ-permitted landfill. The facility's application will undergo a thorough technical review by the TCEQ before obtaining authorization to operate.

The proposed TS structure is shown on the attached **Figure 2**. The total proposed TS building will be approximately 13,000 sq. ft. TS will consist of a 130-foot by 100-foot tipping floor (where incoming waste will be unloaded and transferred to waste transfer trailers). Waste deposited on the tipping floor within the building will be pushed into the transfer trailers, and hauled to permitted landfill. The site will utilize the current office and maintenance shop on the property as shown on **Figure 2**. The facility is proposed to have a permitted maximum rate of waste acceptance of 100 tpd of MSW. The following subsections detail information regarding the owner and operator of the site, general site information, and a summary of the proposed site design.

Owner Information

Parker Waste Services is a waste management company based in Texas. They offer a variety of services including weekly trash disposal, roll-off dumpster rentals, and weekly dumpster service for both residential and commercial customers. The existing property is used for storage of empty containers and a maintenance area.

Facility Summary

The proposed TS building will be a steel-framed structure which will allow a capacity to transfer up to 100 tons/day of municipal solid waste. Incoming loads will be weighed and directed to the transfer area for transfer operations. The TS area for waste collection vehicles will consist of a well-lighted (overhead lighting) tipping floor where transfer operations from collection vehicles to transfer trailers will occur. Waste transfer operations will occur completely within the building. Waste materials deposited on the tipping floor within the building will be pushed by front-end loaders into the transfer trailers and hauled to an area landfill.

The facility will accept municipal solid waste, construction and demolition wastes, special wastes, non-hazardous industrial waste as permitted by the TCEQ.

As shown on **Figure 2**, the proposed entrance and exit to the TS is located off Joyce Street approximately 515 feet to the west of Tanglewood Street. Joyce Street connects to the Ric Williamson Memorial Highway to the north. The existing access road is suitable to handle the projected traffic load associated with the TS.

Once approved by the TCEQ, the facility will be operated in accordance with the TCEQ-approved site operating plan. This plan includes procedures that govern day-to-day operations of the facility as well as routine inspections and housekeeping to ensure compliance with the TCEQ regulations. As part of the operations, litter, dust, and odor control measures and procedures will be implemented.

Properly trained personnel will operate the TS and the PWS will staff the facility based on the personnel needs to effectively serve the community. A detailed site operating plan will be included in the transfer station permit application. The plan will detail the required equipment, personnel, and safety procedures required to operate the site in accordance with TCEQ regulations. The TS will be inspected by the TCEQ on a regular basis to ensure the site is following state regulations.

Attached

Figure 1 - Proposed Transfer Station Location and Existing Landfills

Figure 2 - Transfer Station Preliminary Site Plan

NCTCOG Response Letter

(Dated August 28, 2025)

McCormick, Dave C.

From: Hannah Ordonez [REDACTED]
Sent: Thursday, August 28, 2025 11:49 AM
To: McCormick, Dave C.
Cc: Cassidy Campbell; Susan Alvarez; Elizabeth Sin
Subject: RE: Message From EDO Homepage - Facility Conformance Review

Good morning, David,

Thank you so much for reaching out about your proposed project. My name is Hannah Ordonez and I manage our solid waste program here at the North Central Texas COG. We apologize for the delay in response – this might have been lost in the shuffle upon Mr. Eastland’s retirement from the agency in mid-May.

As part of our requirements of our [Regional Solid Waste Management Plan](#) and program, this facility will need to undergo a Facility Conformance Review through the Resource Conservation Council’s Facility Conformance Subcommittee. Information on this process can be found online here: https://nctcog.org/getmedia/3f9fa3d2-3410-48ac-a3b6-f5d4c09088f3/Public-Facing-Conformance-Review-SOP_7-8-22_PostedtoWebsite.pdf. Within this document, you’ll find the MSW Facility Evaluation Form for Conformance Review that must be completed.

We are looking to schedule a meeting with the Facility Conformance Subcommittee in late September. Can you please respond to [this survey](#) before close of business on September 4, 2025 with your team’s availability to meet with the subcommittee and provide a brief presentation on this application? Can you also send me the link to where the permit application is posted online and the name/contact information of the TCEQ Staff Person who is reviewing the package?

Please don’t hesitate to reach out if you have any questions!

Best,
Hannah

Hannah Ordonez, LEED® Green Associate (she/her)

Environment and Development Senior Planner
North Central Texas Council of Governments
direct: (817) 695-9215 | main: (817) 695-9210
email [REDACTED]

Please consider the environment and only print this message if necessary.

From: McCormick, Dave C. [REDACTED]
Sent: Tuesday, August 26, 2025 3:21 PM
To: Todd Little [REDACTED]
Subject: Message From EDO Homepage

Mr. Little,

I was just checking on our previous submittal (see attached letter). The previous letter was sent to Mr. Eastland. We have received letters from TxDOT, the Texas Historical Commission, and the Texas Parks and Wildlife (see attached) on this project. We would appreciate a letter/email from the NCTCOG that this facility will be considered part of the community's sound regional development.

Please feel free to call me or email me if you have any questions.

Thanks,

David C. McCormick, P.E. (AR, TX, LA, NM, KS, MO, IA, FL)

Solid Waste Dept. Manager I Environmental Department



25809 Interstate 30 I Bryant, AR 72022
P 501-847-9292 (Ext. 312) I F 501-847-9210
Cell: 501-249-4334

dcmccormick@terracon.com I www.terracon.com

Terracon provides environmental, facilities, geotechnical, and materials consulting engineering services delivered with responsiveness, resourcefulness, and reliability.

Private and confidential as detailed here

(<https://protect.checkpoint.com/v2/r02/www.terracon.com/disclaimer.YzJI0m5jdGNvZzpjOm86ZTZkZmZIZDYxYWQ1MzhjN2lwMDgzZmM2ZDY0ZTQxNjg6Nzo2YmQyOmUyYzNkZTJiOTI2MDEzODk4OWRmZGY5Y2VhYTg2ZmQzNjUxZDBiMTE2NjI0ZWxYVWZkMjU3N2M0OGM0YzE5YmM6dDpUOkY>). *If you cannot access the hyperlink, please e-mail sender.*



25809 I-30 South
Bryant, AR 72022
P (501) 847-9292
F (501) 847-9210

Terracon.com

May 20, 2025

David Salazar, P.E.
Texas Department of Transportation
Fort Worth District
2501 S W Loop 820
Fort Worth, Texas 76133

Subject: Traffic Study for a Proposed Type V Transfer Station
Parker County, Texas
Terracon Project No. 35247187

Dear Mr. Salazar:

The purpose of this letter is to demonstrate coordination with the Texas Department of Transportation (TxDOT), consistent with Title 30 Texas Administrative Code (TAC) §330.61(i)(4). This regulation requires that a permit applicant for a municipal solid waste (MSW) facility coordinate with TxDOT regarding the adequacy of access roads and any potential traffic or location restrictions.

The purpose of this permit application, prepared by Terracon Consulting (Terracon), is to construct improvements to the property for a proposed Transfer Station located in Parker County Texas. The facility address is 450 Joyce Street, Weatherford, Texas 76085. The proposed facility improvements will provide this facility with the ability to collect, load, and transport solid waste more efficiently by allowing the MSW collection vehicles to transfer MSW into large transfer trailers before shipment to a permitted MSW landfills.

To assist you in your review, a project summary has been attached and the attached traffic study has been prepared to show that the site access roads will provide excellent access to the site throughout the life of the facility and will safely accommodate the additional volumes and weights of traffic expected to be generated at the proposed transfer station. No public roadway improvements such as turning lanes, storage lanes, etc. are needed or proposed.

To verify compliance with §330.61(i)(4), we will need to include a letter from TxDOT in the permit application regarding the adequacy of the site access roads and any traffic or location restrictions at or near the site.

Terracon Consultants, Inc. and PWS appreciate your consideration in this matter. If you have any questions or need additional information, please feel free to contact me at 501-249-4334 or dcmccormick@terracon.com at your convenience.

Sincerely,

Terracon Consultants, Inc.

Allie Storment
Staff Engineer

David C McCormick, P.E.
Department Manager

Enclosure: Attachments - Project Summary and Traffic Study

Troy Mars – PWS
David McCormick, P.E. - Terracon Consultants Inc.

N:\Projects\2024\35247187\Working Files\ITS Application\Revised Draft 5.15.25 - ASI\Parts I and II\ATTACHMENT A - CORRESPONDENCE\Tex DOT Letter 5.20.25.docx

Explore with us

Proposed Project Summary

Parker Waste Services (PWS) Proposed Transfer Station

Weatherford Texas

Parker County

Project Description

Terracon Consulting is in the process of developing a proposed Type V municipal solid waste (MSW) transfer station permit application for the PWS Transfer Station (TS) on behalf of Parker Waste Services on their Weatherford, Texas property. The proposed TS will provide the PWS with the ability to collect, load, and transport solid waste from Weatherford Texas, Parker County, and the surrounding areas more efficiently by allowing the MSW collection vehicles to transfer MSW into large transfer trailers before shipment to permitted MSW landfills (See **Figure 1** for location of the proposed transfer station and the existing permitted landfills).

As shown on **Figure 2**, the proposed entrance and exit to the TS is located off Joyce Street approximately 515 feet to the west of Tanglewood Street. Joyce Street connects to the Ric Williamson Memorial Highway to the north.

The purpose of this application is to permit the proposed TS facility to process up to a maximum daily rate of 100 tons per day (tpd) of MSW from Parker County and surrounding areas, and to transfer this waste to a TCEQ-permitted landfill. The facility's application will undergo a thorough technical review by the TCEQ before obtaining authorization to operate.

The proposed TS structure is shown on the attached **Figure 2**. The total proposed TS building will be approximately 13,000 sq. ft. TS will consist of a 130-foot by 100-foot tipping floor (where incoming waste will be unloaded and transferred to waste transfer trailers). Waste deposited on the tipping floor within the building will be pushed into the transfer trailers, and hauled to permitted landfill. The site will utilize the current office and maintenance shop on the property as shown on **Figure 2**. The facility is proposed to have a permitted maximum rate of waste acceptance of 100 tpd of MSW. The following subsections detail information regarding the owner and operator of the site, general site information, and a summary of the proposed site design.

Owner Information

Parker Waste Services is a waste management company based in Texas. They offer a variety of services including weekly trash disposal, roll-off dumpster rentals, and weekly dumpster service for both residential and commercial customers. The existing property is used for storage of empty containers and a maintenance area.

Facility Summary

The proposed TS building will be a steel-framed structure which will allow a capacity to transfer up to 100 tons/day of municipal solid waste. Incoming loads will be weighed and directed to the transfer area for transfer operations. The TS area for waste collection vehicles will consist of a well-lighted (overhead lighting) tipping floor where transfer operations from collection vehicles to transfer trailers will occur. Waste transfer operations will occur completely within the building. Waste materials deposited on the tipping floor within the building will be pushed by front-end loaders into the transfer trailers and hauled to an area landfill.

The facility will accept municipal solid waste, construction and demolition wastes, special wastes, non-hazardous industrial waste as permitted by the TCEQ.

As shown on **Figure 2**, the proposed entrance and exit to the TS is located off Joyce Street approximately 515 feet to the west of Tanglewood Street. Joyce Street connects to the Ric Williamson Memorial Highway to the north. The existing access road is suitable to handle the projected traffic load associated with the TS.

Once approved by the TCEQ, the facility will be operated in accordance with the TCEQ-approved site operating plan. This plan includes procedures that govern day-to-day operations of the facility as well as routine inspections and housekeeping to ensure compliance with the TCEQ regulations. As part of the operations, litter, dust, and odor control measures and procedures will be implemented.

Properly trained personnel will operate the TS and the PWS will staff the facility based on the personnel needs to effectively serve the community. A detailed site operating plan will be included in the transfer station permit application. The plan will detail the required equipment, personnel, and safety procedures required to operate the site in accordance with TCEQ regulations. The TS will be inspected by the TCEQ on a regular basis to ensure the site is following state regulations.

Attached

Figure 1 - Proposed Transfer Station Location and Existing Landfills

Figure 2 - Transfer Station Preliminary Site Plan

Traffic Study

Parker Waste Services Transfer Station
Parker County, Texas
TCEQ Permit No. MSW-TBD

May 2025 | Report Number: 35247187

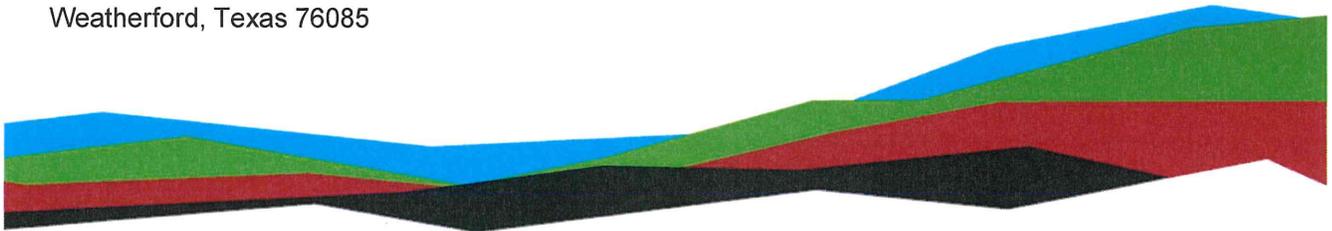
Prepared for:



Parker Waste Services, LLC

PO Box 2047

Weatherford, Texas 76085



Nationwide
[Terracon.com](https://www.terracon.com)

- Facilities
- Environmental
- Geotechnical
- Materials

1.0 INTRODUCTION

The Parker Waste Services Transfer Station (TS) is a proposed Type V municipal solid waste (MSW) TS facility to be located within the extraterritorial jurisdiction (ETJ) of Weatherford, Texas. The proposed facility will be located at 450 Joyce Street, Weatherford, Texas, 76085 in Parker County (See **Figure 1**). This proposed facility will provide a more efficient means to transfer MSW and recyclable materials that are generated in the Parker and the surrounding Counties to area landfills.

The purpose of this study is to show that the existing access roads will continue to provide excellent access, and the proposed transfer station will not adversely impact the existing or future traffic patterns of the facility access roads. The study is completed consistent with the requirements listed in 30 TAC §330.61(i), which requires the following information.

- Provide data on the availability and adequacy of roads that the owner or operator will use to access the site;
- Provide data on the volume of vehicular traffic on access roads within one mile of the proposed facility, both existing and expected, during the expected life of the proposed facility;
- Project the volume of traffic expected to be generated by the facility on the access roads within one mile of the proposed facility; and

2.0 PROPOSED TRANSFER STATION

The proposed transfer station building will be a pre-engineered metal building with concrete sidewalls with a total area of approximately 13,000 square feet. All transfer station vehicles (i.e., transfer trailers, collection vehicles, and self-haul vehicles) will enter the site from proposed driveway off Joyce Street (See **Figure 2**).

The proposed facility includes an entrance and exit off Joyce Street. All vehicles bound for the transfer station will be weighed at the scale house before proceeding into the facility.

The incoming loads will be weighed and directed to the transfer area for transfer operations. The transfer station area for waste collection vehicles will be an indoor concrete tipping floor where transfer operations from collection vehicles to transfer trailers will occur completely within the building. Materials deposited on the tipping floor within the building will be pushed by front-end loaders into the transfer trailers and hauled to an area landfill.

The facility will accept MSW, construction and demolition wastes, special wastes, and non-hazardous industrial waste as permitted by the TCEQ. Properly trained personnel will operate the transfer station. A detailed site operating plan (SOP) will be included in the transfer station permit application. The SOP will detail the required equipment, personnel, and safety procedures required to operate the site in accordance with TCEQ regulations. The PWS Transfer Station will be inspected by the TCEQ on a regular basis to ensure the site is following state regulations. Additional general information about the site and proposed facility is included in the attached figures and tables.

3.0 TRAFFIC INFORMATION

As shown on **Figure 3**, the access roads within one mile of the site are FM 51, Ric Williams Memorial Highway, Tanglewood Street, Joyce Street, and Lucas Street. Other roads within one mile of the site may be periodically used by collection vehicles to serve residences and businesses located along or near these roadways; however, these roads are not main access roads that collection vehicles will use to access the site.

The current entrance and exit on Joyce Street for the proposed PWS Transfer Station site connects to Ric Williams Memorial Highway. FM 51 is a 4-lane highway with a posted maximum speed of 55 mph. Ric Williams Memorial Highway is a 2-lane highway with a posted maximum speed of 55 mph. Tanglewood, Joyce, and Lucas Street are 2-lane roads with a posted maximum speed of 30 mph.

Figure 2 shows the existing entrance and exit to the facility that is approximately 24 feet wide and provides an overview of the proposed facility layout. This layout provides sufficient area for the size of this proposed transfer station.

3.1 Traffic Volumes

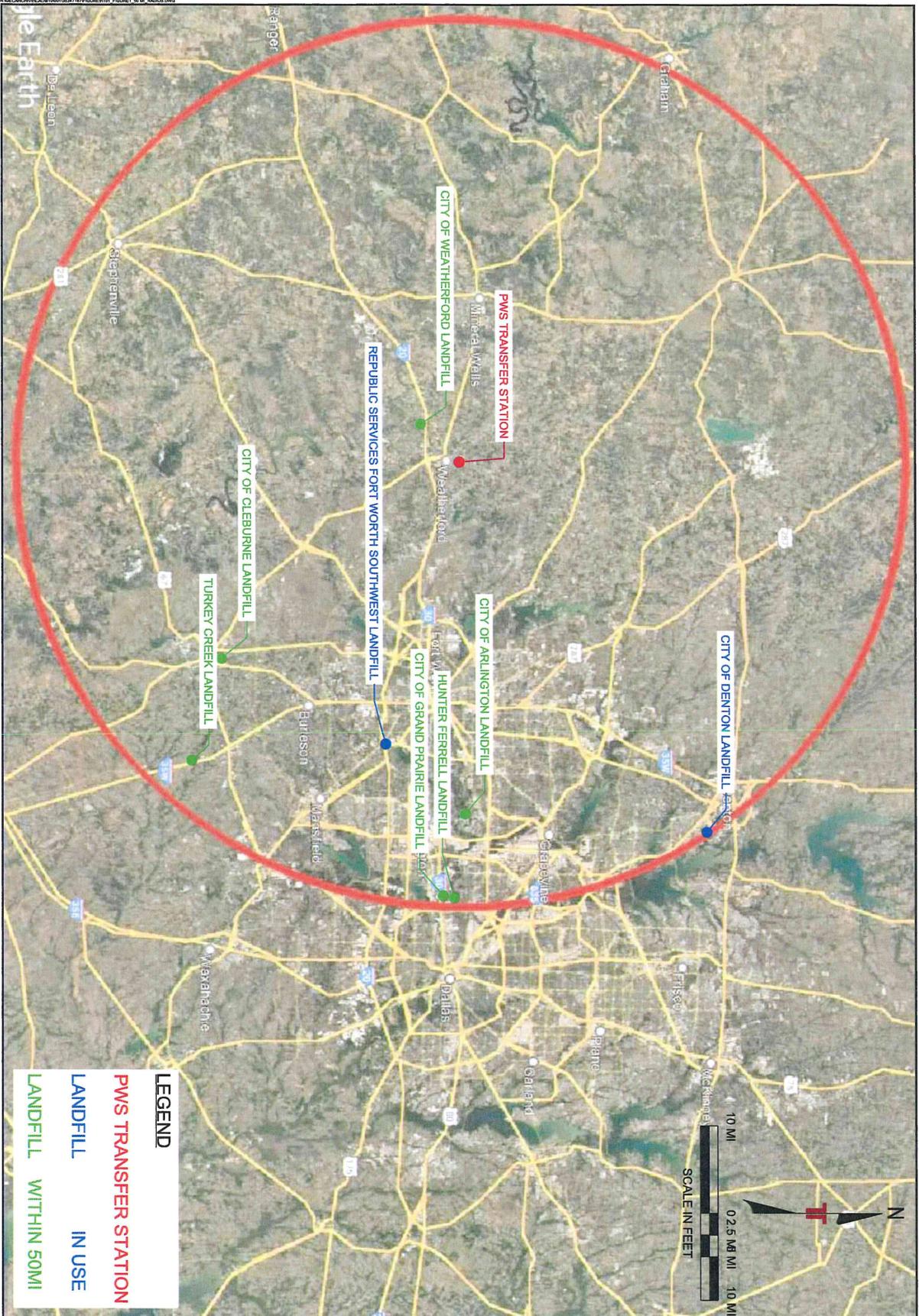
The volumes of vehicle traffic for the access roads are summarized on **Table 1**. The estimated growth rates for Weatherford Texas are in **Table 2**. As noted on Table 2.1, TxDOT traffic counts from 2019 were available for FM 51, Tanglewood Street, Joyce Street, and Lucas Street and traffic counts from 2023 was available for Ric Williams Memorial Highway. The TxDOT traffic counts were adjusted to estimate the traffic counts for 2025. Existing traffic volumes were projected to the year 2045 to evaluate the future level of service of the site access roads (See **Table 3**). A 6.09% growth rate was assumed on **Table 4**. that was used to estimate the projected traffic volumes for year 2045 in **Table 3**.

Traffic associated with the transfer station is estimated as shown on **Table 1**. At this time, the proposed transfer station capacity is to be a maximum of 100 tons/day. This is not expected to cause additional issues since the access road connects to the Ric Williams Memorial Highway to the north (See **Figure 3**). **Table 3** presents a summary of the estimated traffic patterns and vehicle counts for the access roads within 1 mile of the site. A list of the various assumptions that were used to derive the estimates is also presented in **Table 3**.

As shown in **Figure 2**, the Joyce Street entrance and exit has an area for the trucks to pull into the facility before they get to the front gate of the facility. Also, the Ric Williams Memorial Highway is very close to this property.



FIGURES



NO.	DATE	BY	DESCRIPTION

Terracon
Consulting Engineers and Scientists

25809 J-36 SOUTH BRYANT, AR 72222
PH: (501) 847-4032 FAX: (501) 847-9276

LANDFILLS WITHIN 50 MI RADIUS
TRANSFER STATION PLANS
PARKER WASTE SERVICES LLC
PARKER WASTE SERVICE
TEXAS

NO.	DATE	BY	DESCRIPTION

LEGEND

PWS TRANSFER STATION

LANDFILL IN USE

LANDFILL WITHIN 50MI

10 MI
0.25 MI
10 MI

SCALE IN FEET

N

FIGURE 1



TABLES

TABLE 1
Parker Waste Services Proposed Transfer Station
Traffic Volumes
May 2025

Road	Traffic Count (1)	Peak Traffic Count (1)	Year that Traffic Count was Taken	Estimated Traffic Count	Estimated Transfer Station Traffic (4)	Total Estimated Traffic Count	Estimated Peak Traffic Count	Estimated Transfer Station Peak Traffic Count (5)	Total Estimated Peak Traffic Count	Estimated Year
FM 51	14,062	1,202	2019	17,915	80	17,995	1,202	8	1,210	2025(2)
Ric Williams Memorial	10,562	839	2023	11,861	80	11,941	839	8	847	2025(3)
Tanglewood	136	16	2019	173	80	253	16	8	24	2025(2)
Joyce Street	209	22	2019	266	80	346	22	8	30	2025(2)
Lucas Street	861	16	2019	1,097	80	1,177	16	8	24	2025(2)
Total						31,713			2,135	

1. The traffic counts and peak traffic counts were taken from the North Central Texas Council of Governments (NCTCOG).
2. The growth rate from 2019 to 2025 for Weatherford Texas is estimated to be 27.4 %.
3. The growth rate from 2023 to 2025 for Weatherford Texas is estimated to be 12.3 %.
4. Assumed the number of vehicles that will be utilized each day and doubled the number (See Table 2-3).
5. Assumed peak traffic is approximately 10% of the traffic counts.

TABLE 2
Parker Waste Services Proposed Transfer Station
Weatherford Texas Growth Rates
May 2025

Year	Population (1)	Growth Rate
2019	33600	--
2020	31100	-7.44%
2021	34000	9.32%
2022	36200	6.47%
2023	38100	5.25%
2024	40400	6.04%
2025(2)	42800	5.94%

1. World Population Review for Weatherford Texas.

2. Estimated Population Growth

TABLE 3
Parker Waste Services Proposed Transfer Station
Traffic Volumes Estimate for 2045
May 2025

Road	Estimated Traffic Count	Estimated Transfer Station Traffic (4)	Total Estimated Traffic Count	Estimated Peak Traffic Count	Estimated Transfer Station Peak Traffic Count (5)	Total Estimated Peak Traffic Count	Estimated Year	Total Estimated Traffic Count (2045)	Total Estimated Peak Traffic Count (2045)
FM 51	17,915	80	17,995	1,202	8	1,210	2025(2)	40,705	2,737
Ric Williams Memorial	11,861	80	11,941	839	8	847	2025(3)	27,011	1,916
Tanglewood	173	80	253	16	8	24	2025(2)	573	54
Joyce Street	266	80	346	22	8	30	2025(2)	783	68
Lucas Street	1,097	80	1,177	16	8	24	2025(2)	2,662	54
			31,713			2,135		71,734	4,829

1. The traffic counts and peak traffic counts were taken from the North Central Texas Council of Governments (NCTCOG).
2. The growth rate from 2019 to 2025 for Weatherford Texas is estimated to be 27.4 %.
3. The growth rate from 2023 to 2025 for Weatherford Texas is estimated to be 12.3 %.
4. Assumed the number of vehicles that will be utilized each day and doubled the number (See Table 2-3).
5. Assumed peak traffic is approximately 10% of the traffic counts.
6. Weatherford is currently growing at a rate of 6.09% annually.

TABLE 4
Parker Waste Services Proposed Transfer Station
Weatherford Texas Growth Rates through 2045
May 2025

Year	Population (Assume a 6.09% Growth Rate)
2025	42,800
2026	45,407
2027	48,172
2028	51,105
2029	54,218
2030	57,520
2031	61,023
2032	64,739
2033	68,681
2034	72,864
2035	77,302
2036	82,009
2037	87,004
2038	92,302
2039	97,923
2040	103,887
2041	110,214
2042	116,926
2043	124,046
2044	131,601
2045	139,615
2046	148,118

TXDOT Response Letter
(Dated July 11, 2025)



125 E 11th St | Austin, Texas 78701
512.463.8588
txdot.gov

July 11, 2025

Ms. Allie Storment, P.E.
Terracon Consultants, Inc
25809 I-30 South
Bryant, AR 72022

Subject: Letter to Demonstrate Coordination
Texas Department of Transportation
Fort Worth District

For: TCEQ Permit No. MSW - TBD
Parker Waste Services Transfer Station
450 Joyce Street
Weatherford, TX 76085

Dear Ms. Storment:

Pursuant to the letter to demonstrate coordination required by Texas Administrative Code, (TAC 330.61(i)(4)), the Texas Department of Transportation—Fort Worth District (TxDOT-FTW); We have reviewed your correspondence dated May 20, 2025. After completion of the necessary review processes, we find no reason to object to the application for establishing a Solid Waste Transfer Station (SWTS) to be located at 450 Joyce Street, Fort Worth, TX. Our review concluded the facility will not generate or affect the traffic usage along HWY 51 which is the only on-system roadway which accesses the area to the facility. In addition, there are no regulations which would affect Hwy 51 from serving entry to the off-system roads which will serve the proposed area of the SWTS.

Sincerely,

Signed by:
David Salazar
David Salazar, P.E.
District Engineer
B741E64FAD82411

Cc: Maribel Rangel, P.E. *MR*
Tom Brown
Steve IM, P.E., PhD
Elijah Zelenov, P.E.
Ed Bodiford, MS, GSP, SCTPP



25809 I-30 South
Bryant, AR 72022

P (501) 847-9292

F (501) 847-9210

Terracon.com

May 20, 2025

Mr. Edward Lengel, Executive Director
Texas Historical Commission
Archeology Division
P.O. Box 12276
Austin, Texas 78711-2276

Subject: Impact to Cultural Resources Determination
Parker Waste Services (PWS) Proposed Weatherford Texas Transfer Station Permit
Application
Parker County, Texas
Terracon Project No. 35247187

Dear Mr. Lengel:

The purpose of this letter is to demonstrate coordination with the Texas Historical Commission (THC), consistent with Title 30 Texas Administrative Code (TAC) §330.61(o). This regulation requires that a permit applicant for a municipal solid waste (MSW) facility coordinate with THC to document compliance with the Texas Natural Resources Code, Chapter 191, Texas Antiquities Code.

The purpose of this permit application, prepared by Terracon Consulting (Terracon), is to construct improvements to the property for a proposed Transfer Station located in Parker County Texas. The facility address is 450 Joyce Street, Weatherford, Texas 76085. The proposed facility improvements will provide this facility with the ability to collect, load, and transport solid waste more efficiently by allowing the MSW collection vehicles to transfer MSW into large transfer trailers before shipment to a permitted MSW landfills.

To assist you in your review, a project summary and site location maps have been provided as an overview of the proposed transfer station.

The site's location is shown on the attached **Figure 1**. A search was performed using the THC Atlas website. Based on information included in the THC website there are historical cemeteries (Greenwood Cemeteries) approximately 1.3 miles southwest of the proposed location (See **Figure 2**). The City of Weatherford historic district is approximately 2 miles to the southwest of the proposed location.

Please note that the transfer station permit documents will include a requirement that if material that may have a cultural resource value is uncovered during site development, the THC will be notified and construction immediately stopped in that area until proper investigations can be completed.

To verify compliance with Title 30 TAC §330.61(o), we will need to include a letter from the THC within the TCEQ application. A determination of the potential impact of the project to the historical and cultural resources of the state of Texas, in compliance with the Code, is respectfully requested.

Terracon Consultants, Inc. and PWS appreciate your consideration in this matter. If you have any questions or need additional information, please feel free to contact me at 501-249-4334 or dcmccormick@terracon.com at your convenience.

Explore with us

Proposed Project Summary
Parker Waste Services (PWS) Proposed Transfer Station
Weatherford Texas
Parker County

Project Description

Terracon Consulting is in the process of developing a proposed Type V municipal solid waste (MSW) transfer station permit application for the PWS Transfer Station (TS) on behalf of Parker Waste Services on their Weatherford, Texas property. The proposed TS will provide the PWS with the ability to collect, load, and transport solid waste from Weatherford Texas, Parker County, and the surrounding areas more efficiently by allowing the MSW collection vehicles to transfer MSW into large transfer trailers before shipment to permitted MSW landfills (See **Figure 1** for location of the proposed transfer station and the existing permitted landfills).

As shown on **Figure 3**, the proposed entrance and exit to the TS is located off Joyce Street approximately 515 feet to the west of Tanglewood Street. Joyce Street connects to the Ric Williamson Memorial Highway to the north.

The purpose of this application is to permit the proposed TS facility to process up to a maximum daily rate of 100 tons per day (tpd) of MSW from Parker County and surrounding areas, and to transfer this waste to a TCEQ-permitted landfill. The facility's application will undergo a thorough technical review by the TCEQ before obtaining authorization to operate.

The proposed TS structure is shown on the attached **Figure 2**. The total proposed TS building will be approximately 13,000 sq. ft. TS will consist of a 130-foot by 100-foot tipping floor (where incoming waste will be unloaded and transferred to waste transfer trailers). Waste deposited on the tipping floor within the building will be pushed into the transfer trailers, and hauled to permitted landfill. The site will utilize the current office and maintenance shop on the property as shown on **Figure 2**. The facility is proposed to have a permitted maximum rate of waste acceptance of 100 tpd of MSW. The following subsections detail information regarding the owner and operator of the site, general site information, and a summary of the proposed site design.

Owner Information

Parker Waste Services is a waste management company based in Texas. They offer a variety of services including weekly trash disposal, roll-off dumpster rentals, and weekly dumpster service for both residential and commercial customers. The existing property is used for storage of empty containers and a maintenance area.

Facility Summary

The proposed TS building will be a steel-framed structure which will allow a capacity to transfer up to 100 tons/day of municipal solid waste. Incoming loads will be weighed and directed to the transfer area for transfer operations. The TS area for waste collection vehicles will consist of a well-lighted (overhead lighting) tipping floor where transfer operations from collection vehicles to transfer trailers will occur. Waste transfer operations will occur completely within the building. Waste materials deposited on the tipping floor within the building will be pushed by front-end loaders into the transfer trailers and hauled to an area landfill.

The facility will accept municipal solid waste, construction and demolition wastes, special wastes, non-hazardous industrial waste as permitted by the TCEQ.

As shown on **Figure 3**, the proposed entrance and exit to the TS is located off Joyce Street approximately 515 feet to the west of Tanglewood Street. Joyce Street connects to the Ric Williamson Memorial Highway to the north. The existing access roads are suitable to handle the projected traffic load associated with the TS.

Once approved by the TCEQ, the facility will be operated in accordance with the TCEQ-approved site operating plan. This plan includes procedures that govern day-to-day operations of the facility as well as routine inspections and housekeeping to ensure compliance with the TCEQ regulations. As part of the operations, litter, dust, and odor control measures and procedures will be implemented.

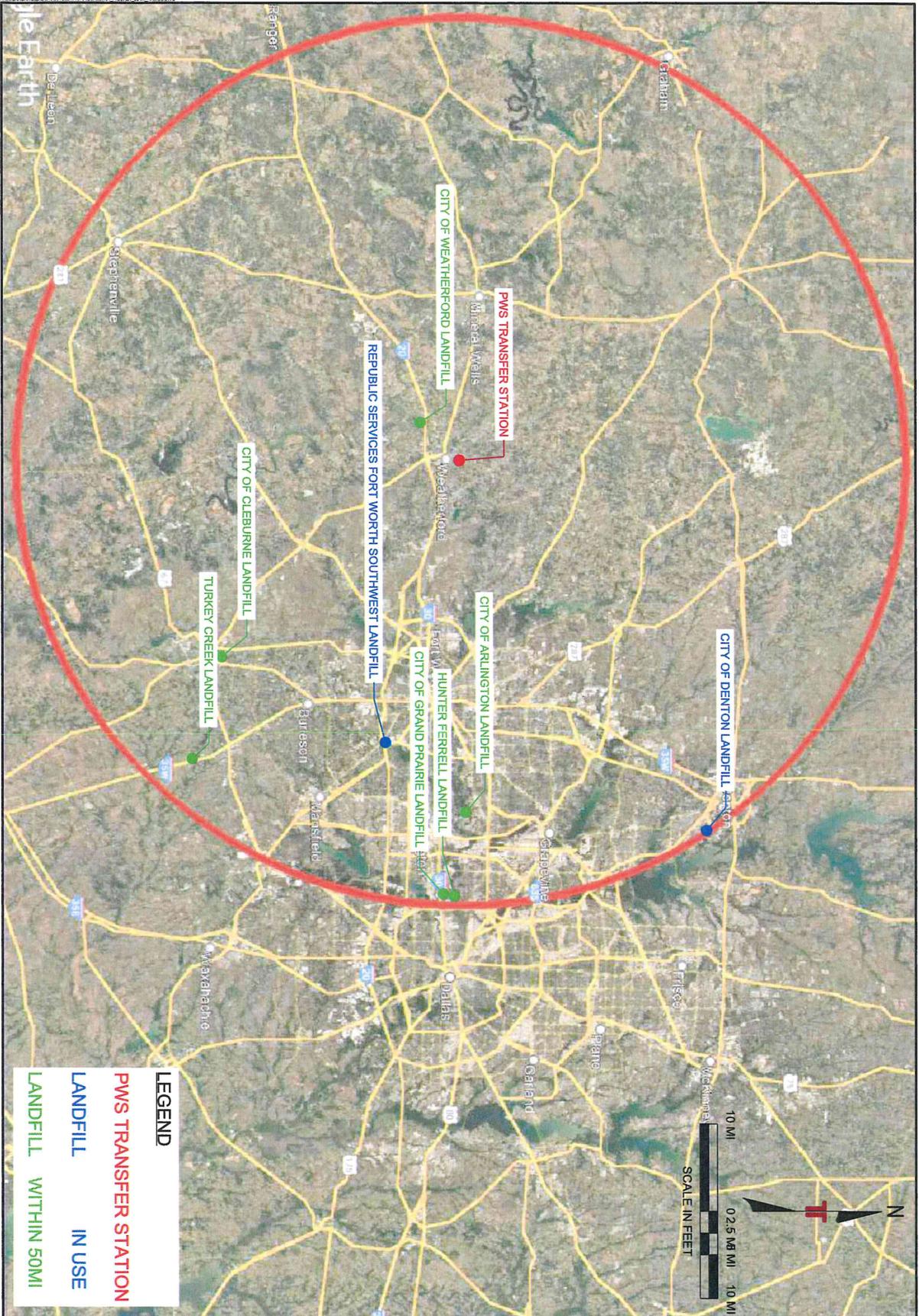
Properly trained personnel will operate the TS and the PWS will staff the facility based on the personnel needs to effectively serve the community. A detailed site operating plan will be included in the transfer station permit application. The plan will detail the required equipment, personnel, and safety procedures required to operate the site in accordance with TCEQ regulations. The TS will be inspected by the TCEQ on a regular basis to ensure the site is following state regulations.

Attached Figures

Figure 1 - Proposed Transfer Station Location and Existing Landfills

Figure 2 - Site Location with National Historical Markers

Figure 3 - Transfer Station Preliminary Site Plan



LEGEND

PWS TRANSFER STATION

LANDFILL IN USE

LANDFILL WITHIN 50MI

SCALE IN FEET

10 MI
0.25 MI
10 MI

N

DATE	BY	DESCRIPTION

terracon
Consulting Engineers and Scientists

29001 130 SOUTH BRYANT, AR 72022
PH. (501) 847-6292 FAX. (501) 847-6210

LANDFILLS WITHIN 50 MI RADIUS
TRANSFER STATION PLANS
PARKER WASTE SERVICES LLC
PARKER WASTE SERVICE
PARKER COUNTY TEXAS

REV	DATE	BY	DESCRIPTION

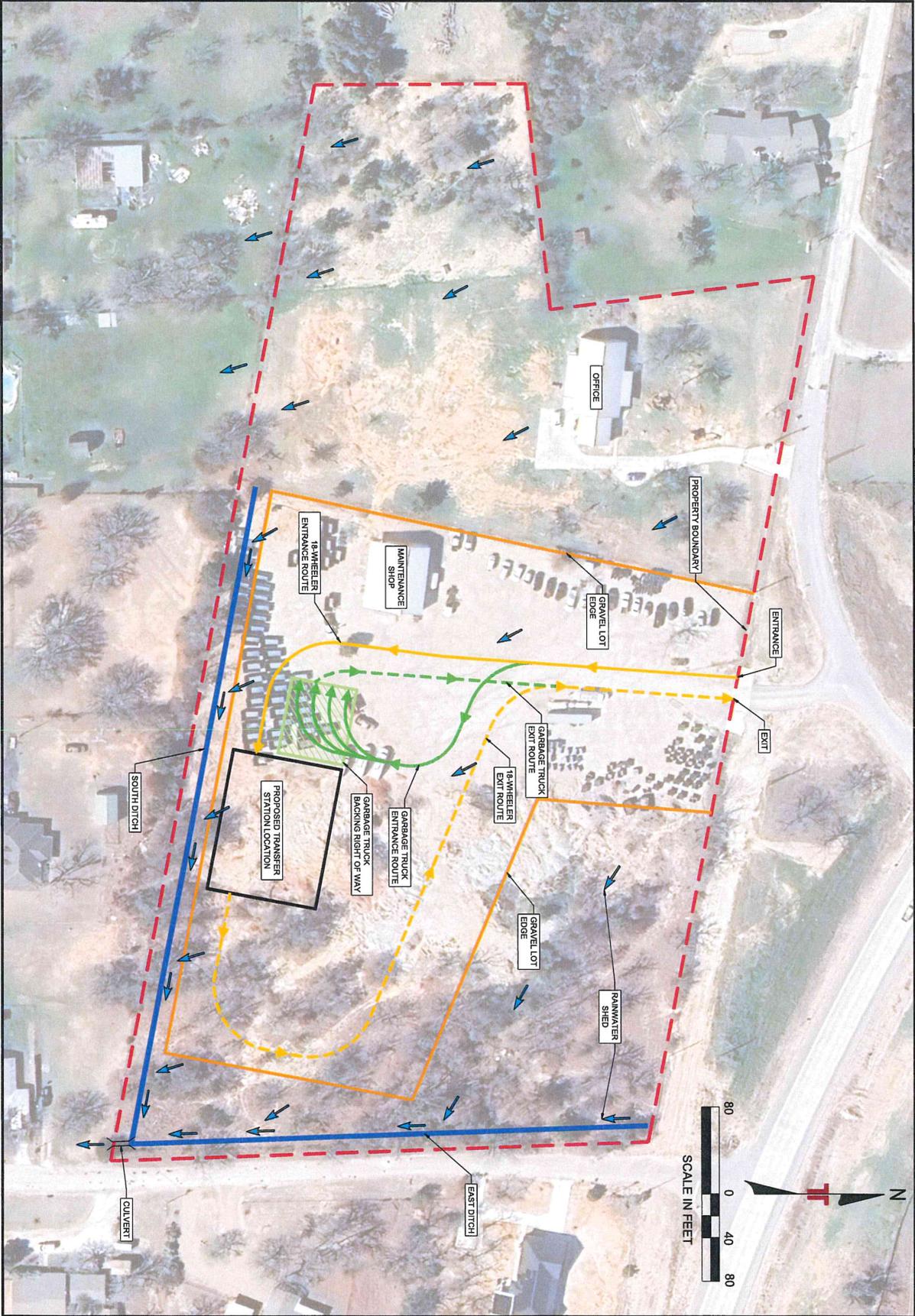


FIGURE 3

DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE
SCALE	SHEET NO.
DATE	TOTAL SHEETS
PROJECT NO.	DATE
REVISED BY	DATE

tterracon
 Consulting Engineers and Scientists

26208 LBJ SOUTH
 PH. (501) 847-6282

BRYANT, AR 72022
 FAX. (501) 847-6216

PROPOSED SITE PLAN
 TRANSFER STATION PERMIT APPLICATION
PARKER WASTE SERVICE LLC
 PARKER WASTE SERVICE
 PARKER COUNTY TEXAS

REV	DATE	BY	DESCRIPTION

Texas Historical Commission Response Letter
(Dated June 19, 2025)

McCormick, Dave C.

From: [REDACTED]
Sent: Thursday, June 19, 2025 6:46 PM
To: McCormick, Dave C. [REDACTED]
Subject: Parker Waste Services Proposed Weatherford Texas Transfer Station Permit Application

Follow Up Flag: Follow up
Flag Status: Flagged



**Re: Project Review under the Antiquities Code of Texas
THC Tracking #202510608**

Date: 06/19/2025

Parker Waste Services Proposed Weatherford Texas Transfer Station Permit Application
450 Joyce Street
Weatherford, TX 76085

Description: Proposed facility improvements to provide ability to collect, load, and transport solid waste more efficiently by allowing MSW collection vehicles to transfer to larger trailers

Dear David McCormick:

Thank you for your submittal regarding the above-referenced project. This response represents the comments of the Executive Director of the Texas Historical Commission (THC), pursuant to review under the Antiquities Code of Texas.

The review staff, led by Caitlin Brashear and Danielle Julien, has completed its review and has made the following determinations based on the information submitted for review:

Above-Ground Resources

- No further review of potential effects to above-ground historic resources is required under the Antiquities Code of Texas. However, should this project ultimately include any federal involvement, additional consultation with THC/SHPO under Section 106 of the National Historic Preservation Act will be required.

Archeology Comments

- No effect on identified archeological sites or other cultural resources. However, if cultural materials are encountered during project activities, work should cease in the immediate area; work can continue where no cultural materials are present. Please contact the THC's Archeology Division at 512-463-6096 to consult on further actions that may be necessary to protect the cultural remains.

We look forward to further consultation with your office and hope to maintain a partnership that will foster effective historic preservation. Thank you for your cooperation in this review process, and for your

efforts to preserve the irreplaceable heritage of Texas. If the project changes, or if new historic properties are found, please contact the review staff. If you have any questions concerning our review or if we can be of further assistance, please email the following reviewers: caitlin.brashear@thc.texas.gov, danielle.julien@thc.texas.gov.

This response has been sent through the electronic THC review and compliance system (eTRAC). Submitting your project via eTRAC eliminates mailing delays and allows you to check the status of the review, receive an electronic response, and generate reports on your submissions. For more information, visit <http://thc.texas.gov/etrac-system>.

Sincerely,



for Joseph Bell, State Historic Preservation Officer
Executive Director, Texas Historical Commission

Please do not respond to this email.

cc: matthew.udenenwu@tceq.texas.gov



25809 I-30 South
Bryant, AR 72022

P (501) 847-9292

F (501) 847-9210

Terracon.com

May 20, 2025

Mr. Alan Cain, Director of Wildlife
Texas Parks and Wildlife Department
4200 Smith School Road
Austin, Texas 78744

Subject: Request for Threatened or Endangered Species Assessment
Parker Waste Services (PWS) Proposed Weatherford Texas
Transfer Station Permit Application
Parker County, Texas
Terracon Project No. 35247187

Dear Mr. Cain:

The purpose of this letter is to demonstrate coordination with the Texas Parks and Wildlife Department (TPWD), at the request of the Texas Commission on Environmental Quality (TCEQ). The TCEQ requires that a permit applicant for a municipal solid waste (MSW) facility consider the impact on threatened or endangered species and not result in the destruction or adverse modification of the critical habitat of threatened or endangered species, or cause or contribute to the taking of any threatened or endangered species.

The purpose of this permit application, prepared by Terracon Consulting (Terracon), is to construct improvements to the property for a proposed Transfer Station located in Parker County Texas. The facility address is 450 Joyce Street, Weatherford, Texas 76085. The proposed facility improvements will provide this facility with the ability to collect, load, and transport solid waste more efficiently by allowing the MSW collection vehicles to transfer MSW into large transfer trailers before shipment to a permitted MSW landfills.

To assist you in your review, a project summary and site location maps have been provided as an overview of the proposed transfer station.

The IPaC resource list is attached to this letter. The report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as trust) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area that is referenced above. This report discusses endangered species, migratory birds, USFWS facilities, and NWI wetlands.

A request for rare species occurrences information was submitted to the Texas Parks and Wildlife Department Natural Diversity Database. No rare species or ecosystems were mapped within the vicinity of the Project Site.

Based on the research, there are no threatened/endangered species or their critical habitat within the Project Site. Based on the attached information, the proposed transfer station will not result in the destruction or adverse modification to any critical habitat of any endangered or threatened species, or cause or contribute to the taking of any endangered or threatened species. It is Terracon's opinion that the proposed transfer station will have no effect on federally or state-listed Threatened and Endangered (T&E) species.

Explore with us



25809 I-30 South
Bryant, AR 72022

P (501) 847-9292

F (501) 847-9210

Terracon.com

To verify compliance with TCEQ; this letter is to request concurrence from the TPWD that the proposed transfer station will have no effect on any federal or state-listed T&E species to include with the permit application.

Terracon Consultants, Inc. and PWS appreciate your consideration in this matter. If you have any questions or need additional information, please feel free to contact me at 501-249-4334 or dcmccormick@terracon.com at your convenience.

Sincerely,

Terracon Consultants, Inc.

A handwritten signature in black ink that reads 'Allie Storment'.

Allie Storment
Staff Engineer

A handwritten signature in blue ink that reads 'David McCormick'.

David C McCormick, P.E.
Department Manager

Enclosure: Attachment includes Project Summary and Site Figures

Troy Mars - PWS

David McCormick, P.E. - Terracon Consultants Inc.

N:\Projects\2024\35247187\Working Files\TS Application\Revised Draft 5.15.25 - AS\Parts I and II\ATTACHMENT A - CORRESPONDENCE\Texas Parks Letter 5.20.25.docx

Explore with us

Proposed Project Summary

Parker Waste Services (PWS) Proposed Transfer Station

Weatherford Texas

Parker County

Project Description

Terracon Consulting is in the process of developing a proposed Type V municipal solid waste (MSW) transfer station permit application for the PWS Transfer Station (TS) on behalf of Parker Waste Services on their Weatherford, Texas property. The proposed TS will provide the PWS with the ability to collect, load, and transport solid waste from Weatherford Texas, Parker County, and the surrounding areas more efficiently by allowing the MSW collection vehicles to transfer MSW into large transfer trailers before shipment to permitted MSW landfills (See **Figure 1** for location of the proposed transfer station and the existing permitted landfills).

As shown on **Figure 2**, the proposed entrance and exit to the TS is located off Joyce Street approximately 515 feet to the west of Tanglewood Street. Joyce Street connects to the Ric Williamson Memorial Highway to the north.

The purpose of this application is to permit the proposed TS facility to process up to a maximum daily rate of 100 tons per day (tpd) of MSW from Parker County and surrounding areas, and to transfer this waste to a TCEQ-permitted landfill. The facility's application will undergo a thorough technical review by the TCEQ before obtaining authorization to operate.

The proposed TS structure is shown on the attached **Figure 2**. The total proposed TS building will be approximately 13,000 sq. ft. TS will consist of a 130-foot by 100-foot tipping floor (where incoming waste will be unloaded and transferred to waste transfer trailers). Waste deposited on the tipping floor within the building will be pushed into the transfer trailers, and hauled to permitted landfill. The site will utilize the current office and maintenance shop on the property as shown on **Figure 2**. The facility is proposed to have a permitted maximum rate of waste acceptance of 100 tpd of MSW. The following subsections detail information regarding the owner and operator of the site, general site information, and a summary of the proposed site design.

Owner Information

Parker Waste Services is a waste management company based in Texas. They offer a variety of services including weekly trash disposal, roll-off dumpster rentals, and weekly dumpster service for both residential and commercial customers. The existing property is used for storage of empty containers and a maintenance area.

Facility Summary

The proposed TS building will be a steel-framed structure which will allow a capacity to transfer up to 100 tons/day of municipal solid waste. Incoming loads will be weighed and directed to the transfer area for transfer operations. The TS area for waste collection vehicles will consist of a well-lighted (overhead lighting) tipping floor where transfer operations from collection vehicles to transfer trailers will occur. Waste transfer operations will occur completely within the building. Waste materials deposited on the tipping floor within the building will be pushed by front-end loaders into the transfer trailers and hauled to an area landfill.

The facility will accept municipal solid waste, construction and demolition wastes, special wastes, non-hazardous industrial waste as permitted by the TCEQ.

As shown on **Figure 2**, the proposed entrance and exit to the TS is located off Joyce Street approximately 515 feet to the west of Tanglewood Street. Joyce Street connects to the Ric Williamson Memorial Highway to the north. The existing access road is suitable to handle the projected traffic load associated with the TS.

Once approved by the TCEQ, the facility will be operated in accordance with the TCEQ-approved site operating plan. This plan includes procedures that govern day-to-day operations of the facility as well as routine inspections and housekeeping to ensure compliance with the TCEQ regulations. As part of the operations, litter, dust, and odor control measures and procedures will be implemented.

Properly trained personnel will operate the TS and the PWS will staff the facility based on the personnel needs to effectively serve the community. A detailed site operating plan will be included in the transfer station permit application. The plan will detail the required equipment, personnel, and safety procedures required to operate the site in accordance with TCEQ regulations. The TS will be inspected by the TCEQ on a regular basis to ensure the site is following state regulations.

Attached

Figure 1 - Proposed Transfer Station Location and Existing Landfills

Figure 2 - Transfer Station Preliminary Site Plan

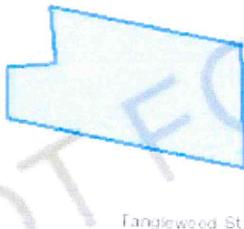
IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Parker County, Texas



Local office

Arlington Ecological Services Field Office

☎ (817) 277-1100

📞 (817) 277-1129



17629 El Camino Real, Suite 211

Houston, TX 77058-3051

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species¹ and their critical habitats are managed¹ by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Birds

NAME

STATUS

Piping Plover *Charadrius melodus*

Threatened

This species only needs to be considered if the following condition applies:

- Wind Energy Projects

There is **final** critical habitat for this species. Your location does not overlap the critical habitat.

<https://ecos.fws.gov/ecp/species/6039>

Rufa Red Knot *Calidris canutus rufa*

Threatened

Wherever found

This species only needs to be considered if the following condition applies:

- Wind Energy Projects

There is **proposed** critical habitat for this species. Your location does not overlap the critical habitat.

<https://ecos.fws.gov/ecp/species/1864>

Whooping Crane *Grus americana*

Endangered

There is **final** critical habitat for this species. Your location does not overlap the critical habitat.

<https://ecos.fws.gov/ecp/species/758>

Reptiles

NAME

STATUS

Alligator Snapping Turtle *Macrochelys temminckii*

Proposed Threatened

Wherever found

No critical habitat has been designated for this species.

<https://ecos.fws.gov/ecp/species/4658>

Insects

NAME

STATUS

Monarch Butterfly *Danaus plexippus*

Proposed Threatened

Wherever found

There is **proposed** critical habitat for this species. Your location does not overlap the critical habitat.

<https://ecos.fws.gov/ecp/species/9743>

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

Bald & Golden Eagles

Bald and Golden Eagles are protected under the Bald and Golden Eagle Protection Act ² and the Migratory Bird Treaty Act (MBTA) ¹. Any person or organization who plans or conducts activities that may result in impacts to Bald or Golden Eagles, or their nests, should follow appropriate regulations and implement required avoidance and minimization measures, as described in the various links on this page.

The [data](#) in this location indicates that no eagles have been observed in this area. This does not mean eagles are not present in your project area, especially if the area is difficult to survey. Please review the 'Steps to Take When No Results Are Returned' section of the [Supplemental Information on Migratory Birds and Eagles document](#) to determine if your project is in a poorly surveyed area. If it is, you may need to rely on other resources to determine if eagles may be present (e.g. your local FWS field office, state surveys, your own surveys).

Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds
<https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide avoidance and minimization measures for birds
<https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC
<https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

Bald & Golden Eagles FAQs

What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been

identified as warranting special attention because they are an eagle ([Bald and Golden Eagle Protection Act](#) requirements may apply).

Proper interpretation and use of your eagle report

On the graphs provided, please look carefully at the survey effort (indicated by the black vertical line) and for the existence of the "no data" indicator (a red horizontal line). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort line or no data line (red horizontal) means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list and associated information help you know what to look for to confirm presence and helps guide you in knowing when to implement avoidance and minimization measures to eliminate or reduce potential impacts from your project activities or get the appropriate permits should presence be confirmed.

How do I know if eagles are breeding, wintering, or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating, or resident), you may query your location using the [RAIL Tool](#) and view the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If an eagle on your IPaC migratory bird species list has a breeding season associated with it (indicated by yellow vertical bars on the phenology graph in your "IPaC PROBABILITY OF PRESENCE SUMMARY" at the top of your results list), there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

Interpreting the Probability of Presence Graphs

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. A taller bar indicates a higher probability of species presence. The survey effort can be used to establish a level of confidence in the presence score.

How is the probability of presence score calculated? The calculation is done in three steps:

The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.

The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

Breeding Season ()

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort ()

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data ()

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

Migratory birds

The Migratory Bird Treaty Act (MBTA) ¹ prohibits the take (including killing, capturing, selling, trading, and transport) of protected migratory bird species without prior authorization by the Department of Interior U.S. Fish and Wildlife Service (Service). The incidental take of migratory birds is the injury or death of birds that results from, but is not the purpose, of an activity. The Service interprets the MBTA to prohibit incidental take.

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide avoidance and minimization measures for birds
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

Measures for Proactively Minimizing Migratory Bird Impacts

Your IPaC Migratory Bird list showcases [birds of concern](#), including [Birds of Conservation Concern \(BCC\)](#), in your project location. This is not a comprehensive list of all birds found in your project area. However, you can help proactively minimize significant impacts to all birds at your project location by implementing the measures in the [Nationwide avoidance and minimization measures for birds](#) document, and any other project-specific avoidance and minimization measures suggested at the link [Measures for avoiding and minimizing impacts to birds](#) for the birds of concern on your list below.

Ensure Your Migratory Bird List is Accurate and Complete

If your project area is in a poorly surveyed area, your list may not be complete and you may need to rely on other resources to determine what species may be present (e.g. your local FWS field office, state surveys, your own surveys). Please review the [Supplemental Information on Migratory Birds and Eagles document](#), to help you properly interpret the report for your specified location, including determining if there is sufficient data to ensure your list is accurate.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the "Probability of Presence Summary" below to see when these birds are most likely to be present and breeding in your project area.

Review the FAQs

The FAQs below provide important additional information and resources.

NAME	BREEDING SEASON
Chimney Swift <i>Chaetura pelagica</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Mar 15 to Aug 25
Lesser Yellowlegs <i>Tringa flavipes</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9679	Breeds elsewhere
Little Blue Heron <i>Egretta caerulea</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds Mar 10 to Oct 15
Pectoral Sandpiper <i>Calidris melanotos</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds elsewhere
Prairie Loggerhead Shrike <i>Lanius ludovicianus excubitorides</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/8833	Breeds Feb 1 to Jul 31
Red-headed Woodpecker <i>Melanerpes erythrocephalus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Sep 10

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "[Supplemental Information on Migratory Birds and Eagles](#)", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For

example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

- To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.
- The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (🟡)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

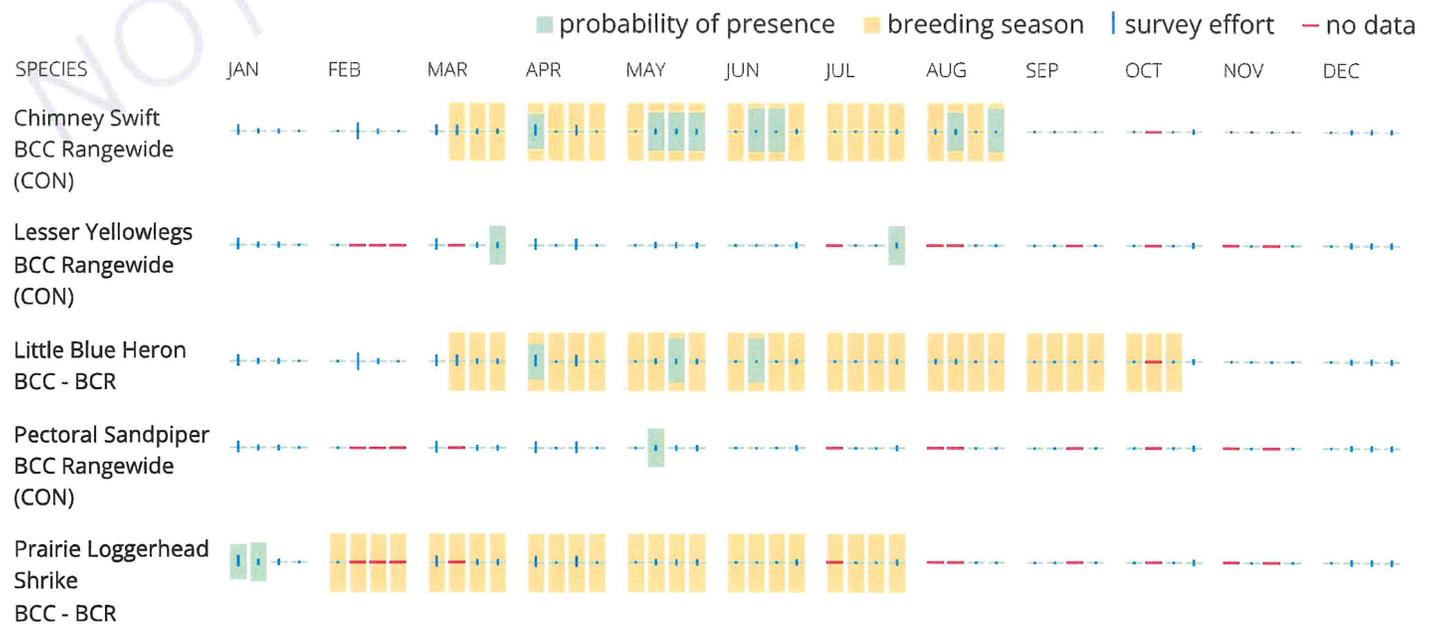
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

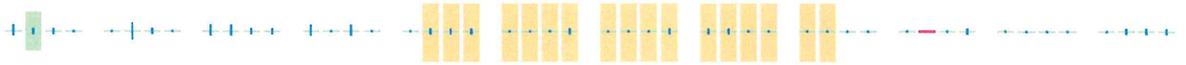
No Data (—)

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.





Migratory Bird FAQs

Tell me more about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Avoidance & Minimization Measures for Birds](#) describes measures that can help avoid and minimize impacts to all birds at any location year-round. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is one of the most effective ways to minimize impacts. To see when birds are most likely to occur and breed in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location, such as those listed under the Endangered Species Act or the [Bald and Golden Eagle Protection Act](#) and those species marked as "Vulnerable". See the FAQ "What are the levels of concern for migratory birds?" for more information on the levels of concern covered in the IPaC migratory bird species list.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) with which your project intersects. These species have been identified as warranting special attention because they are BCC species in that area, an eagle ([Bald and Golden Eagle Protection Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, and to verify survey effort when no results present, please visit the [Rapid Avian Information Locator \(RAIL\) Tool](#).

Why are subspecies showing up on my list?

Subspecies profiles are included on the list of species present in your project area because observations in the AKN for **the species** are being detected. If the species are present, that means that the subspecies may also be present. If a subspecies shows up on your list, you may need to rely on other resources to determine if that subspecies may be present (e.g. your local FWS field office, state surveys, your own surveys).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go to the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating, or resident), you may query your location using the [RAIL Tool](#) and view the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your IPaC migratory bird species list has a breeding season associated with it (indicated by yellow vertical bars on the phenology graph in your "IPaC PROBABILITY OF PRESENCE SUMMARY" at the top of your results list), there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Bald and Golden Eagle Protection Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially BCC species. For more information on avoidance and minimization measures you can implement to help avoid and minimize migratory bird impacts, please see the FAQ "Tell me more about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds".

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Proper interpretation and use of your migratory bird report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please look carefully at the survey effort (indicated by the black vertical line) and for the existence of the "no data" indicator (a red horizontal line). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list does not represent all birds present in your project area. It is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list and associated information help you know what to look for to confirm presence and helps guide implementation of avoidance and minimization

measures to eliminate or reduce potential impacts from your project activities, should presence be confirmed. To learn more about avoidance and minimization measures, visit the FAQ "Tell me about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds".

Interpreting the Probability of Presence Graphs

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. A taller bar indicates a higher probability of species presence. The survey effort can be used to establish a level of confidence in the presence score.

How is the probability of presence score calculated? The calculation is done in three steps:

The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.

The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

Breeding Season ()

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort ()

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data ()

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

Facilities

Wildlife refuges and fish hatcheries

Refuge and fish hatchery information is not available at this time

Wetlands in the National Wetlands Inventory

(NWI)

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

This location did not intersect any wetlands mapped by NWI.

NOTE: This initial screening does **not** replace an on-site delineation to determine whether wetlands occur. Additional information on the NWI data is provided below.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

**TABLE 5-1
PROPERTY OWNERS LIST**

No.	Owner Name	Owner Mailing Address	Parcel Number
1	Camperlengo Nicholas III & Margaret	2601 Brookridge Dr, Hurst, TX 76054	38900
2	Peterson William Roger	308 Joyce St, Weatherford, TX 76085	38896
3	Dobbs Clifford L	304 Joyce St, Weatherford, TX 76085	38898
4	Garcia Thrina K	240 Joyce St, Weatherford, TX 76085	38870
5	Morales Edward R & Teresa	232 Joyce St, Weatherford, TX 76085	56000
6	McPherson Crystalrae Coddington	PO Box 3252, Weatherford, TX 76086	97242
7	Steffen John & Holland Hannah	233 Samuel Drive, Weatherford, TX	55946
8	Garrett Jaqueline	1719 N Ruck Street, Weatherford, TX 76086	55943
9	Weatherford ISD	PO Box N, Weatherford, TX 76086	78277
10	Crutcher Michael L & Norma	605 E 6 th St, Weatherford, TX 76086	45280
11	Crutcher Michael L & Norma	605 E 6 th St, Weatherford, TX 76086	60911
12	Crutcher Michael L & Norma	605 E 6 th St, Weatherford, TX 76086	76375
13	Strong Ric	2017 Pembroke Dr, Fort Worth, TX 76110	46505

14	Martin Jerry Max	508 Joyce St, Weatherford, TX 76085	48699
15	Daves Patricia D Layton	191 Powell Rd, Weatherford, TX 76088	48677
16	Parker County	1 Courthouse Sq, Weatherford, TX 76086	105130
17	Ryan Dan D & Dawn M	119 Ellis Pond Ct, Weatherford, TX 76085	99251
18	Ryan Dan D & Dawn M	119 Ellis Pond Ct, Weatherford, TX 76085	92272
19	Athey Chris & Duvall Janet L	113 Ellis Pond Court, Weatherford, TX 76085	92273
20	Ledford Trust THE	112 Ellis Pond Court, Weatherford, TX 76085	92270
21	Page Robert Chad & Hollie Nicole	118 Ellis Pond Ct, Weatherford, TX 76085	92271
22	Diebold Martin & Belinda	106 Ellis Pond Ct, Weatherford, TX 76085	92269
23	Lennox Joseph Reed & Wallace-Lennox Janna L	100 Ellis Pond Court, Weatherford, TX 76085	92268
24	Rowland Robert Joe & Robin Ann	191 Ellis Creek Dr, Weatherford, TX 76085	92267
25	Irwin Ronald & Robbie L	197 Ellis Creek Dr, Weatherford, TX 76085	92266
26	Ellis Creek Ranch Homeowners Association	PO Box 650255, Dallas, TX 75265	92265
27	Smith Julia A & Forrest McKendree Smith	12631 N Sumac Dr, Fountain Hills, AZ 85268	92262
28	Stankavage Matthew & Alison	184 Ellis Creek Dr, Weatherford, TX 76085	92245
29	Dingus Family Trust	190 Ellis Creek Dr, Weatherford, TX 76085	92246

30	Sears Jarvis CIII & Cindy	196 Ellis Creek Dr, Weatherford, TX 76085	92247
31	Boggs Greg & Carey	202 Ellis Creek Dr, Weatherford, TX 76085	92248
32	Boggs Greg & Carey	202 Ellis Creek Dr, Weatherford, TX 76085	110212
33	Stegall Tabby & Dana A	208 Ellis Creek Dr, Weatherford, TX 76085	92249
34	Stegall Tabby & Dana A	208 Ellis Creek Dr, Weatherford, TX 76085	113832
35	Smith Forrest & Julia	12631 N Sumac Dr, Fountain Hills, AZ 85268	99253
36	Page Robert Chad & Hollie Nicole	118 Ellis Pond Ct, Weatherford, TX 76085	102620
37	Parker County	1 Courthouse Sq, Weatherford, TX 76086	48679
38	Parker County	1 Courthouse Sq, Weatherford, TX 76086	38906
39	Parker County	1 Courthouse Sq, Weatherford, TX 76086	38907
40	Parker County Texas	1 Courthouse Sq, Weatherford, TX 76086	38908
41	Parker County	1 Courthouse Sq, Weatherford, TX 76086	38909
42	Middleton Judy P	1180 Poe Prairie Rd, Millsap, TX 76066	106621
43	Dingus Boyd & Linda Living Trust	190 Ellis Creek Dr, Weatherford, TX 76085	38874
44	Middleton Judy	1180 Poe Prairie Rd, Millsap, TX 76066	38902
45	Parker County	1 Courthouse Square, Weatherford, TX 76086	107307

46	Parker County	1 Courthouse Sq, Weatherford, TX 76086	105339
47	Parker County	1 Courthouse Sq, Weatherford, TX 76086	105203
48	Dingus Boyd & Linda Living Trust	190 Ellis Creek Dr, Weatherford, TX 76085	38872
49	Taborca Properties LLC	2160 Skyfarm Drive, Hillsborough, CA 94010	38915
50	Taborca Properties LLC	2160 Skyfarm Drive, Hillsborough, CA 94010	38871
51	Parker County	1 Courthouse Sq, Weatherford, TX 76086	106476
52	Parker County	1 Courthouse Sq, Weatherford, TX 76086	105601
53	Jefferson Curtis Jr & Sara J	333 Joyce St, Weatherford, TX 76085	38905
54	Jefferson Curtis Jr & Sara J	333 Joyce St, Weatherford, TX 76085	38905
55	Hartin Samuel G	828 West Lake Drive, Weatherford, TX 76087	100545
56	Baker Franklin L & Mona Thicks-Baker	301 Joyce St, Weatherford, TX 76085	100544
57	Hale Corinne A	219 Eden Rd, Weatherford, TX 76085	16791
58	Kosf II – Weatherford LLC	10301 Wayzata Blvd, Minnetonka, MN 55305	76232
59	Antonio Sergio Aquino	217 Eden Rd, Weatherford, TX 76085	16789
60	Tanner Kyle	214 Eden Rd, Weatherford, TX 76085	16795
61	Antonio Sebastian & Lucila	3636 Willow St, Weatherford, TX 76088	89760

62	Abernathy Melissa A & Rusty R	218 Eden Rd, Weatherford, TX 76085	16796
63	Craddock Tammy June	2215 Marilyn St, Weatherford, TX 76085	16798
64	Craddock Tammy June	2215 Marilyn St, Weatherford, TX 76085	16797
65	Petersen Dionnia & Dennis	229 Joyce Street, Weatherford, TX 76085	16801
66	Rice Stephen C	233 Joyce St, Weatherford, TX 76085	85056
67	Rice Stephen C	233 Joyce St, Weatherford, TX 76085	16802
68	Rice Stephen C	233 Joyce St, Weatherford, TX 76085	80425
69	Tinajera Jose Manuel M & Arreola Camerino Nunez	236 Joyce St, Weatherford, TX 76085	56083
70	Faught Billy Dean Jr & Denise Marie	2400 Tanglewood Street, Weatherford, TX 76085	100499
71	Lomax Chelsi	2358 Tanglewood St, Weatherford, TX 76085	45299
72	Peterson William Roger	308 Joyce St, Weatherford, TX 76085	38897
73	Alton Frances Y	2326 Tanglewood St, Weatherford, TX 76085	45290
74	Philp Christopher Michael & Jeannie Sue	2349 Tanglewood St, TX 76085	100040
75	Jones Tommy & Merrilee	2285 Tanglewood St, Weatherford, TX 76085	45298
76	Webber Patrick J & Pamela	2277 Tanglewood St, Weatherford, TX 7685	45297
77	Rivas Vincent & Audra	2268 Tanglewood St, Weatherford, TX 76085	45295

78	Gruben Shirley	2234 Tanglewood Street, Weatherford, TX 76085	45287
79	Lemons Stephen C	2206 Tanglewood St, Weatherford, TX 76085	45288
80	Shafique Salma	3106 Rustic Meadow TRL, Mansfield, TX 76063	45286
81	Ganus Carey Lance & Anna Latish	2209 Tanglewood St, Weatherford, TX 76085	45285
82	Long Timothy R	2147 Tanglewood Street, Weatherford, TX 76085	45283
83	Betts Bobby J & Georgia	2071 Tanglewood St, Weatherford, TX 76085	48702
84	Adkins Joe B Sr & Vanessa M	2103 Tanglewood St, Weatherford, TX 76085	48694
85	Lambdin Candice & Grant	504 Joyce Street, Weatherford, TX 76085	48696
86	Below 38870	No address/owner	0
87	Right of 38870	No address/owner	0
88	Left below 100499	No address/owner	0
89	Right below 100499	No address/owner	0
90	Below 45290	No address/owner	0
91	Right of 45290	No address/owner	0
92	Above 106621/38909	No address/owner	0
93	Above 16791	No address/owner	0
94	Right of 4	No address/owner	0
95	Parker County	1 Courthouse Square, Weatherford, TX 76086	105602

Texas Park and Wildlife Response Letter
(Dated June 24, 2025)

McCormick, Dave C.

From: Richard Hanson [REDACTED]
Sent: Tuesday, June 24, 2025 8:53 AM
To: McCormick, Dave C.
Subject: Terracon Project No. 35247187 (TPWD #55568)

Hi David,

Thank you for submitting the proposed Parker Waste Services Weatherford Transfer Station Improvements Project located at 450 Joyce Street, Weatherford, Texas for review. Based on review of the documentation and description provided, the Environmental Review Team does not anticipate significant adverse impacts to rare, threatened, or endangered species, or other fish and wildlife resources. However, please note it is the responsibility of the project proponent to comply with all federal, state, and local laws that protect fish and wildlife. Provided the project plans do not change, TPWD considers coordination to be complete.

Future project review requests can be submitted to WHAB@tpwd.texas.gov

Rick Hanson
Environmental Review Biologist
Ecological & Environmental Planning Program
Texas Parks & Wildlife Department
(806) 715-6486

ATTACHMENT B
PROPERTY OWNER LIST

TABLE 5-1
PROPERTY OWNERS LIST

No.	Owner Name	Owner Mailing Address	Parcel Number
1	Camperlengo Nicholas III & Margaret	2601 Brookridge Dr, Hurst, TX 76054	38900
2	Peterson William Roger	308 Joyce St, Weatherford, TX 76085	38896
3	Dobbs Clifford L	304 Joyce St, Weatherford, TX 76085	38898
4	Garcia Thrina K	240 Joyce St, Weatherford, TX 76085	38870
5	Morales Edward R & Teresa	232 Joyce St, Weatherford, TX 76085	56000
6	McPherson Crystalrae Coddington	PO Box 3252, Weatherford, TX 76086	97242
7	Steffen John & Holland Hannah	233 Samuel Drive, Weatherford, TX	55946
8	Garrett Jaqueline	1719 N Ruck Street, Weatherford, TX 76086	55943
9	Weatherford ISD	PO Box N, Weatherford, TX 76086	78277
10	Crutcher Michael L & Norma	605 E 6 th St, Weatherford, TX 76086	45280
11	Crutcher Michael L & Norma	605 E 6 th St, Weatherford, TX 76086	60911
12	Crutcher Michael L & Norma	605 E 6 th St, Weatherford, TX 76086	76375
13	Strong Ric	2017 Pembroke Dr, Fort Worth, TX 76110	46505

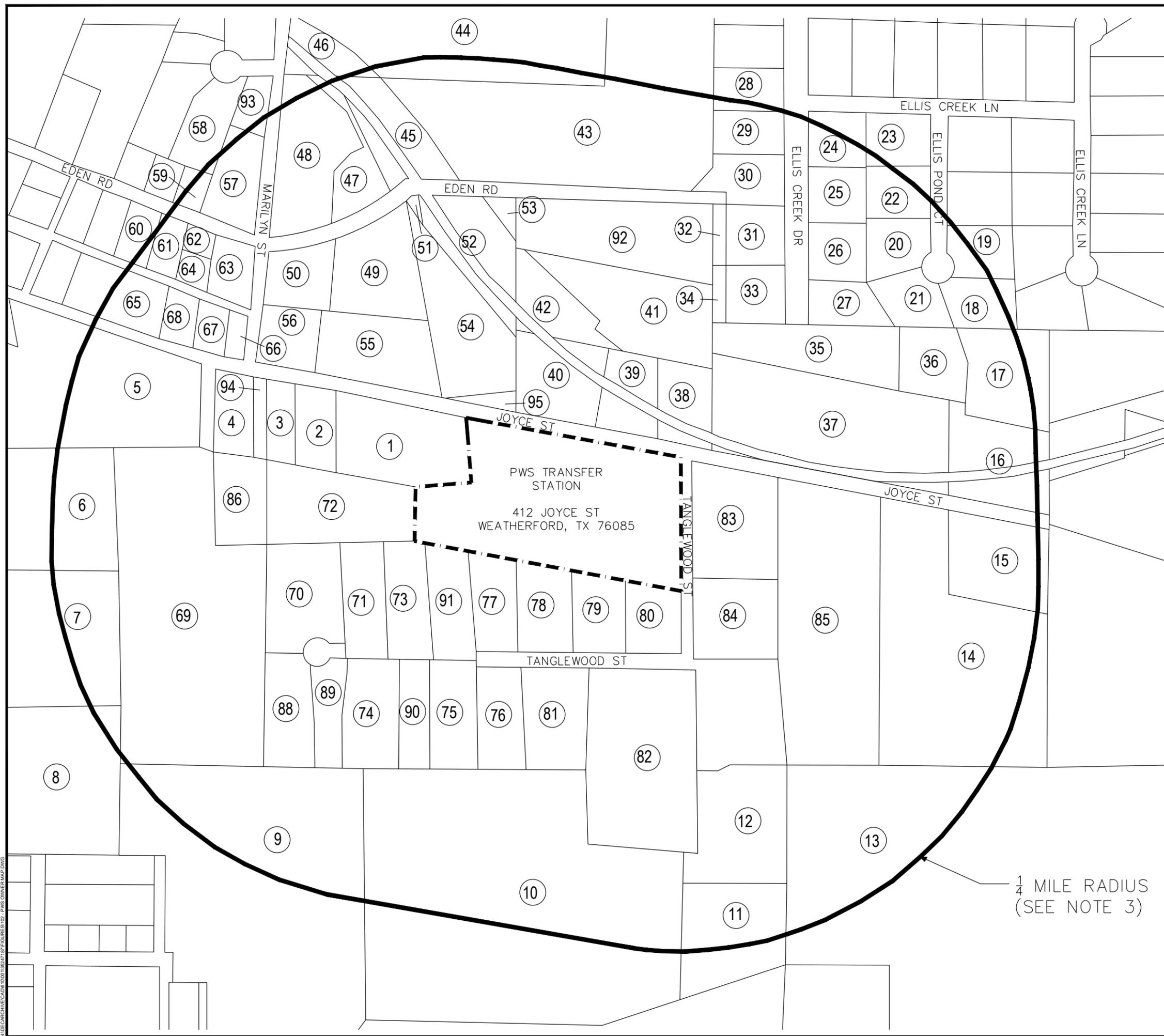
14	Martin Jerry Max	508 Joyce St, Weatherford, TX 76085	48699
15	Daves Patricia D Layton	191 Powell Rd, Weatherford, TX 76088	48677
16	Parker County	1 Courthouse Sq, Weatherford, TX 76086	105130
17	Ryan Dan D & Dawn M	119 Ellis Pond Ct, Weatherford, TX 76085	99251
18	Ryan Dan D & Dawn M	119 Ellis Pond Ct, Weatherford, TX 76085	92272
19	Athey Chris & Duvall Janet L	113 Ellis Pond Court, Weatherford, TX 76085	92273
20	Ledford Trust THE	112 Ellis Pond Court, Weatherford, TX 76085	92270
21	Page Robert Chad & Hollie Nicole	118 Ellis Pond Ct, Weatherford, TX 76085	92271
22	Diebold Martin & Belinda	106 Ellis Pond Ct, Weatherford, TX 76085	92269
23	Lennox Joseph Reed & Wallace-Lennox Janna L	100 Ellis Pond Court, Weatherford, TX 76085	92268
24	Rowland Robert Joe & Robin Ann	191 Ellis Creek Dr, Weatherford, TX 76085	92267
25	Irwin Ronald & Robbie L	197 Ellis Creek Dr, Weatherford, TX 76085	92266
26	Ellis Creek Ranch Homeowners Association	PO Box 650255, Dallas, TX 75265	92265
27	Smith Julia A & Forrest McKendree Smith	12631 N Sumac Dr, Fountain Hills, AZ 85268	92262
28	Stankavage Matthew & Alison	184 Ellis Creek Dr, Weatherford, TX 76085	92245
29	Dingus Family Trust	190 Ellis Creek Dr, Weatherford, TX 76085	92246

30	Sears Jarvis CIII & Cindy	196 Ellis Creek Dr, Weatherford, TX 76085	92247
31	Boggs Greg & Carey	202 Ellis Creek Dr, Weatherford, TX 76085	92248
32	Boggs Greg & Carey	202 Ellis Creek Dr, Weatherford, TX 76085	110212
33	Stegall Tabby & Dana A	208 Ellis Creek Dr, Weatherford, TX 76085	92249
34	Stegall Tabby & Dana A	208 Ellis Creek Dr, Weatherford, TX 76085	113832
35	Smith Forrest & Julia	12631 N Sumac Dr, Fountain Hills, AZ 85268	99253
36	Page Robert Chad & Hollie Nicole	118 Ellis Pond Ct, Weatherford, TX 76085	102620
37	Parker County	1 Courthouse Sq, Weatherford, TX 76086	48679
38	Parker County	1 Courthouse Sq, Weatherford, TX 76086	38906
39	Parker County	1 Courthouse Sq, Weatherford, TX 76086	38907
40	Parker County Texas	1 Courthouse Sq, Weatherford, TX 76086	38908
41	Parker County	1 Courthouse Sq, Weatherford, TX 76086	38909
42	Middleton Judy P	1180 Poe Prairie Rd, Millsap, TX 76066	106621
43	Dingus Boyd & Linda Living Trust	190 Ellis Creek Dr, Weatherford, TX 76085	38874
44	Middleton Judy	1180 Poe Prairie Rd, Millsap, TX 76066	38902
45	Parker County	1 Courthouse Square, Weatherford, TX 76086	107307

46	Parker County	1 Courthouse Sq, Weatherford, TX 76086	105339
47	Parker County	1 Courthouse Sq, Weatherford, TX 76086	105203
48	Dingus Boyd & Linda Living Trust	190 Ellis Creek Dr, Weatherford, TX 76085	38872
49	Taborca Properties LLC	2160 Skyfarm Drive, Hillsborough, CA 94010	38915
50	Taborca Properties LLC	2160 Skyfarm Drive, Hillsborough, CA 94010	38871
51	Parker County	1 Courthouse Sq, Weatherford, TX 76086	106476
52	Parker County	1 Courthouse Sq, Weatherford, TX 76086	105601
53	Jefferson Curtis Jr & Sara J	333 Joyce St, Weatherford, TX 76085	38905
54	Jefferson Curtis Jr & Sara J	333 Joyce St, Weatherford, TX 76085	38905
55	Hartin Samuel G	828 West Lake Drive, Weatherford, TX 76087	100545
56	Baker Franklin L & Mona Thicks-Baker	301 Joyce St, Weatherford, TX 76085	100544
57	Hale Corinne A	219 Eden Rd, Weatherford, TX 76085	16791
58	Kosf II – Weatherford LLC	10301 Wayzata Blvd, Minnetonka, MN 55305	76232
59	Antonio Sergio Aquino	217 Eden Rd, Weatherford, TX 76085	16789
60	Tanner Kyle	214 Eden Rd, Weatherford, TX 76085	16795
61	Antonio Sebastian & Lucila	3636 Willow St, Weatherford, TX 76088	89760

62	Abernathy Melissa A & Rusty R	218 Eden Rd, Weatherford, TX 76085	16796
63	Craddock Tammy June	2215 Marilyn St, Weatherford, TX 76085	16798
64	Craddock Tammy June	2215 Marilyn St, Weatherford, TX 76085	16797
65	Petersen Dionnia & Dennis	229 Joyce Street, Weatherford, TX 76085	16801
66	Rice Stephen C	233 Joyce St, Weatherford, TX 76085	85056
67	Rice Stephen C	233 Joyce St, Weatherford, TX 76085	16802
68	Rice Stephen C	233 Joyce St, Weatherford, TX 76085	80425
69	Tinajera Jose Manuel M & Arreola Camerino Nunez	236 Joyce St, Weatherford, TX 76085	56083
70	Faught Billy Dean Jr & Denise Marie	2400 Tanglewood Street, Weatherford, TX 76085	100499
71	Lomax Chelsi	2358 Tanglewood St, Weatherford, TX 76085	45299
72	Peterson William Roger	308 Joyce St, Weatherford, TX 76085	38897
73	Alton Frances Y	2326 Tanglewood St, Weatherford, TX 76085	45290
74	Philp Christopher Michael & Jeannie Sue	2349 Tanglewood St, TX 76085	100040
75	Jones Tommy & Merrilee	2285 Tanglewood St, Weatherford, TX 76085	45298
76	Webber Patrick J & Pamela	2277 Tanglewood St, Weatherford, TX 7685	45297
77	Rivas Vincent & Audra	2268 Tanglewood St, Weatherford, TX 76085	45295

78	Gruben Shirley	2234 Tanglewood Street, Weatherford, TX 76085	45287
79	Lemons Stephen C	2206 Tanglewood St, Weatherford, TX 76085	45288
80	Shafique Salma	3106 Rustic Meadow TRL, Mansfield, TX 76063	45286
81	Ganus Carey Lance & Anna Latish	2209 Tanglewood St, Weatherford, TX 76085	45285
82	Long Timothy R	2147 Tanglewood Street, Weatherford, TX 76085	45283
83	Betts Bobby J & Georgia	2071 Tanglewood St, Weatherford, TX 76085	48702
84	Adkins Joe B Sr & Vanessa M	2103 Tanglewood St, Weatherford, TX 76085	48694
85	Lambdin Candice & Grant	504 Joyce Street, Weatherford, TX 76085	48696
86	Below 38870	No address/owner	0
87	Right of 38870	No address/owner	0
88	Left below 100499	No address/owner	0
89	Right below 100499	No address/owner	0
90	Below 45290	No address/owner	0
91	Right of 45290	No address/owner	0
92	Above 106621/38909	No address/owner	0
93	Above 16791	No address/owner	0
94	Right of 4	No address/owner	0
95	Parker County	1 Courthouse Square, Weatherford, TX 76086	105602



- LEGEND**
- PERMIT BOUNDARY
 - PROPERTY BOUNDARY LINE
 - ① PROPERTY OWNER DESIGNATION
- NOTES:**
1. PROPERTY BOUNDARIES REPRODUCED FROM THE PARKER COUNTY BIS CONSULTING WEBSITE.
 2. ① REFERS TO PROPERTY OWNERS LISTED IN SECTION 5, PROPERTY OWNERS LIST AND MAP.
 3. THIS LINE REPRESENTS A 1/4-MILE DISTANCE FROM THE PERMIT BOUNDARY.
 4. PROPERTY OWNERS LIST WAS DEVELOPED FROM PARKER COUNTY APPRAISAL RECORDS FROM BIS CONSULTING WEBSITE.
 5. * INDICATES THAT THE PARKER COUNTY APPRAISAL DISTRICT HOLDS NO RECORDS OF THE OWNER OF THESE PROPERTIES.



1/4 MILE RADIUS
(SEE NOTE 3)

REV.	DATE	BY	DESCRIPTION

PERMIT APPLICATION LAND OWNER MAP

PWS TRANSFER STATION
PARKER WASTE SERVICES LLC
PARKER WASTE SERVICES
PARKER COUNTY
TEXAS

26800 L-30 SOUTH
PH. (501) 941-9292
BRYANT, AR 72022
FAX (501) 941-9210

FIGURE 1

DESIGNED BY:	TLB
DRAWN BY:	AS
APPROV. BY:	DCM
SCALE:	SEE SCALE
DATE:	1/17/2025
JOB NO.:	610-001-35247187
ACAD NO.:	201
SHEET NO.:	- OF -

ATTACHMENT C
TRAFFIC STUDY

Traffic Study

Parker Waste Services Transfer Station
Parker County, Texas
TCEQ Permit No. MSW-TBD

May 2025 | Report Number: 35247187

Prepared for:



Parker Waste Services, LLC
PO Box 2047
Weatherford, Texas 76085



Nationwide
Terracon.com

- Facilities
- Environmental
- Geotechnical
- Materials

Table of Contents

1.0	INTRODUCTION	1-1
2.0	PROPOSED TRANSFER STATION.....	2-1
3.0	TRAFFIC INFORMATION	3-2
3.1	Traffic Volumes	3-3

List of Figures

Figure 1	Proposed Transfer Station Location and Existing Landfills
Figure 2	Transfer Station Preliminary Site Plan
Figure 3	PWS Transfer Station with 1 Mile Radius

List of Tables

Table 1	Traffic Volumes
Table 2	Growth Rates
Table 3	Traffic Volumes Estimate for 2045
Table 4	Growth Rates through 2045

1.0 INTRODUCTION

The Parker Waste Services Transfer Station (TS) is a proposed Type V municipal solid waste (MSW) TS facility to be located within the extraterritorial jurisdiction (ETJ) of Weatherford, Texas. The proposed facility will be located at 450 Joyce Street, Weatherford, Texas, 76085 in Parker County (See Figure 1). This proposed facility will provide a more efficient means to transfer MSW and recyclable materials that are generated in the Parker and the surrounding Counties to area landfills.

The purpose of this study is to show that the existing access roads will continue to provide excellent access, and the proposed transfer station will not adversely impact the existing or future traffic patterns of the facility access roads. The study is completed consistent with the requirements listed in 30 TAC §330.61(i), which requires the following information.

- Provide data on the availability and adequacy of roads that the owner or operator will use to access the site;
- Provide data on the volume of vehicular traffic on access roads within one mile of the proposed facility, both existing and expected, during the expected life of the proposed facility;
- Project the volume of traffic expected to be generated by the facility on the access roads within one mile of the proposed facility; and

2.0 PROPOSED TRANSFER STATION

The proposed transfer station building will be a pre-engineered metal building with concrete sidewalls with a total area of approximately 13,000 square feet. All transfer station vehicles (i.e., transfer trailers, collection vehicles, and self-haul vehicles) will enter the site from proposed driveway off Joyce Street (See Figure 2).

The proposed facility includes an entrance and exit off Joyce Street. All vehicles bound for the transfer station will be weighed at the scale house before proceeding into the facility.

The incoming loads will be weighed and directed to the transfer area for transfer operations. The transfer station area for waste collection vehicles will be an indoor concrete tipping floor where transfer operations from collection vehicles to transfer trailers will occur completely within the building. Materials deposited on the tipping floor within the building will be pushed by front-end loaders into the transfer trailers and hauled to an area landfill.

The facility will accept MSW, construction and demolition wastes, special wastes, and non-hazardous industrial waste as permitted by the TCEQ. Properly trained personnel will operate the transfer station. A detailed site operating plan (SOP) will be included in the transfer station permit application. The SOP will detail the required equipment, personnel, and safety procedures required to operate the site in accordance with TCEQ regulations. The PWS Transfer Station will be inspected by the TCEQ on a regular basis to ensure the site is following state regulations. Additional general information about the site and proposed facility is included in the attached figures and tables.

3.0 TRAFFIC INFORMATION

As shown on Figure 3, the access roads within one mile of the site are FM 51, Ric Williams Memorial Highway, Tanglewood Street, Joyce Street, and Lucas Street. Other roads within one mile of the site may be periodically used by collection vehicles to serve residences and businesses located along or near these roadways; however, these roads are not main access roads that collection vehicles will use to access the site.

The current entrance and exit on Joyce Steet for the proposed PWS Transfer Station site connects to Ric Williams Memorial Highway. FM 51 is a 4-lane highway with a posted maximum speed of 55 mph. Ric Williams Memorial Highway is a 2-lane highway with a posted maximum speed of 55 mph. Tanglewood, Joyce, and Lucas Street are 2-lane roads with a posted maximum speed of 30 mph.

Figure 2 shows the existing entrance and exit to the facility that is approximately 24 feet wide and provides an overview of the proposed facility layout. This layout provides sufficient area for the size of this proposed transfer station.

3.1 Traffic Volumes

The volumes of vehicle traffic for the access roads are summarized on Table 1. The estimated growth rates for Weatherford Texas are in Table 2. As noted on Table 2.1, TxDOT traffic counts from 2019 were available for FM 51, Tanglewood Street, Joyce Street, and Lucas Street and traffic counts from 2023 was available for Ric Williams Memorial Highway. The TxDOT traffic counts were adjusted to estimate the traffic counts for 2025. Existing traffic volumes were projected to the year 2045 to evaluate the future level of service of the site access roads (See Table 3). A 6.09% growth rate was assumed on Table 4. that was used to estimate the projected traffic volumes for year 2045 in Table 3.

Traffic associated with the transfer station is estimated as shown on Table 1. At this time, the proposed transfer station capacity is to be a maximum of 100 tons/day. This is not expected to cause additional issues since the access road connects to the Ric Williams Memorial Highway to the north (See Figure 3). Table 3 presents a summary of the estimated traffic patterns and vehicle counts for the access roads within 1 mile of the site. A list of the various assumptions that were used to derive the estimates is also presented in Table 3.

As shown in Figure 2, the Joyce Street entrance and exit has an area for the trucks to pull into the facility before they get to the front gate of the facility. Also, the Ric Williams Memorial Highway is very close to this property.

FIGURES

TABLES

TABLE 1
Parker Waste Services Proposed Transfer Station
Traffic Volumes
May 2025

Road	Traffic Count (1)	Peak Traffic Count (1)	Year that Traffic Count was Taken	Estimated Traffic Count	Estimated Transfer Station Traffic (4)	Total Estimated Traffic Count	Estimated Peak Traffic Count	Estimated Transfer Station Peak Traffic Count (5)	Total Estimated Peak Traffic Count	Estimated Year
FM 51	14,062	1,202	2019	17,915	80	17,995	1,202	8	1,210	2025(2)
Ric Williams Memorial	10,562	839	2023	11,861	80	11,941	839	8	847	2025(3)
Tanglewood	136	16	2019	173	80	253	16	8	24	2025(2)
Joyce Street	209	22	2019	266	80	346	22	8	30	2025(2)
Lucas Street	861	16	2019	1,097	80	1,177	16	8	24	2025(2)
Total						31,713			2,135	

1. The traffic counts and peak traffic counts were taken from the North Central Texas Council of Governments (NCTCOG).
2. The growth rate from 2019 to 2025 for Weatherford Texas is estimated to be 27.4 %.
3. The growth rate from 2023 to 2025 for Weatherford Texas is estimated to be 12.3 %.
4. Assumed the number of vehicles that will be utilized each day and doubled the number (See Table 2-3).
5. Assumed peak traffic is approximately 10% of the traffic counts.

TABLE 2
Parker Waste Services Proposed Transfer Station
Weatherford Texas Growth Rates
May 2025

Year	Population (1)	Growth Rate
2019	33600	--
2020	31100	-7.44%
2021	34000	9.32%
2022	36200	6.47%
2023	38100	5.25%
2024	40400	6.04%
2025(2)	42800	5.94%

1. World Population Review for Weatherford Texas.

2. Estimated Population Growth

TABLE 3
Parker Waste Services Proposed Transfer Station
Traffic Volumes Estimate for 2045
May 2025

Road	Estimated Traffic Count	Estimated Transfer Station Traffic (4)	Total Estimated Traffic Count	Estimated Peak Traffic Count	Estimated Transfer Station Peak Traffic Count (5)	Total Estimated Peak Traffic Count	Estimated Year	Total Estimated Traffic Count (2045)	Total Estimated Peak Traffic Count (2045)
FM 51	17,915	80	17,995	1,202	8	1,210	2025(2)	40,705	2,737
Ric Williams Memorial	11,861	80	11,941	839	8	847	2025(3)	27,011	1,916
Tanglewood	173	80	253	16	8	24	2025(2)	573	54
Joyce Street	266	80	346	22	8	30	2025(2)	783	68
Lucas Street	1,097	80	1,177	16	8	24	2025(2)	2,662	54
			31,713			2,135		71,734	4,829

1. The traffic counts and peak traffic counts were taken from the North Central Texas Council of Governments (NCTCOG).
2. The growth rate from 2019 to 2025 for Weatherford Texas is estimated to be 27.4 %.
3. The growth rate from 2023 to 2025 for Weatherford Texas is estimated to be 12.3 %.
4. Assumed the number of vehicles that will be utilized each day and doubled the number (See Table 2-3).
5. Assumed peak traffic is approximately 10% of the traffic counts.
6. Weatherford is currently growing at a rate of 6.09% annually.

TABLE 4
Parker Waste Services Proposed Transfer Station
Weatherford Texas Growth Rates through 2045
May 2025

Year	Population (Assume a 6.09% Growth Rate)
2025	42,800
2026	45,407
2027	48,172
2028	51,105
2029	54,218
2030	57,520
2031	61,023
2032	64,739
2033	68,681
2034	72,864
2035	77,302
2036	82,009
2037	87,004
2038	92,302
2039	97,923
2040	103,887
2041	110,214
2042	116,926
2043	124,046
2044	131,601
2045	139,615
2046	148,118

ATTACHMENT D
ENDANGERED SPECIES STUDY

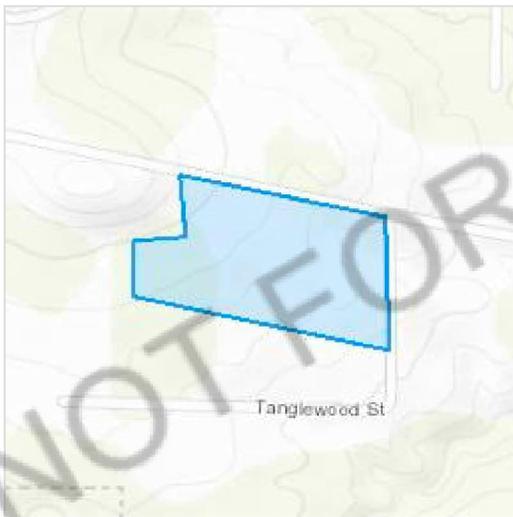
IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Parker County, Texas



Local office

Arlington Ecological Services Field Office

☎ (817) 277-1100

📠 (817) 277-1129



17629 El Camino Real, Suite 211
Houston, TX 77058-3051

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species¹ and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Birds

NAME STATUS

Piping Plover *Charadrius melodus* Threatened

This species only needs to be considered if the following condition applies:

- Wind Energy Projects

There is **final** critical habitat for this species. Your location does not overlap the critical habitat.

<https://ecos.fws.gov/ecp/species/6039>

Rufa Red Knot *Calidris canutus rufa* Threatened

Wherever found

This species only needs to be considered if the following condition applies:

- Wind Energy Projects

There is **proposed** critical habitat for this species. Your location does not overlap the critical habitat.

<https://ecos.fws.gov/ecp/species/1864>

Whooping Crane *Grus americana* Endangered

There is **final** critical habitat for this species. Your location does not overlap the critical habitat.

<https://ecos.fws.gov/ecp/species/758>

Reptiles

NAME STATUS

Alligator Snapping Turtle *Macrochelys temminckii* Proposed Threatened

Wherever found

No critical habitat has been designated for this species.

<https://ecos.fws.gov/ecp/species/4658>

Insects

NAME STATUS

Monarch Butterfly *Danaus plexippus* Proposed Threatened

Wherever found

There is **proposed** critical habitat for this species. Your location does not overlap the critical habitat.

<https://ecos.fws.gov/ecp/species/9743>

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

Bald & Golden Eagles

Bald and Golden Eagles are protected under the Bald and Golden Eagle Protection Act ² and the Migratory Bird Treaty Act (MBTA) ¹. Any person or organization who plans or conducts activities that may result in impacts to Bald or Golden Eagles, or their nests, should follow appropriate regulations and implement required avoidance and minimization measures, as described in the various links on this page.

The [data](#) in this location indicates that no eagles have been observed in this area. This does not mean eagles are not present in your project area, especially if the area is difficult to survey. Please review the 'Steps to Take When No Results Are Returned' section of the [Supplemental Information on Migratory Birds and Eagles document](#) to determine if your project is in a poorly surveyed area. If it is, you may need to rely on other resources to determine if eagles may be present (e.g. your local FWS field office, state surveys, your own surveys).

Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide avoidance and minimization measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

Bald & Golden Eagles FAQs

What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been

identified as warranting special attention because they are an eagle ([Bald and Golden Eagle Protection Act](#) requirements may apply).

Proper interpretation and use of your eagle report

On the graphs provided, please look carefully at the survey effort (indicated by the black vertical line) and for the existence of the "no data" indicator (a red horizontal line). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort line or no data line (red horizontal) means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list and associated information help you know what to look for to confirm presence and helps guide you in knowing when to implement avoidance and minimization measures to eliminate or reduce potential impacts from your project activities or get the appropriate permits should presence be confirmed.

How do I know if eagles are breeding, wintering, or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating, or resident), you may query your location using the [RAIL Tool](#) and view the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If an eagle on your IPaC migratory bird species list has a breeding season associated with it (indicated by yellow vertical bars on the phenology graph in your "IPaC PROBABILITY OF PRESENCE SUMMARY" at the top of your results list), there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

Interpreting the Probability of Presence Graphs

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. A taller bar indicates a higher probability of species presence. The survey effort can be used to establish a level of confidence in the presence score.

How is the probability of presence score calculated? The calculation is done in three steps:

The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.

The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

Breeding Season ()

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort ()

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data ()

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

Migratory birds

The Migratory Bird Treaty Act (MBTA) ¹ prohibits the take (including killing, capturing, selling, trading, and transport) of protected migratory bird species without prior authorization by the Department of Interior U.S. Fish and Wildlife Service (Service). The incidental take of migratory birds is the injury or death of birds that results from, but is not the purpose, of an activity. The Service interprets the MBTA to prohibit incidental take.

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds>
- Nationwide avoidance and minimization measures for birds
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

Measures for Proactively Minimizing Migratory Bird Impacts

Your IPaC Migratory Bird list showcases [birds of concern](#), including [Birds of Conservation Concern \(BCC\)](#), in your project location. This is not a comprehensive list of all birds found in your project area. However, you can help proactively minimize significant impacts to all birds at your project location by implementing the measures in the [Nationwide avoidance and minimization measures for birds](#) document, and any other project-specific avoidance and minimization measures suggested at the link [Measures for avoiding and minimizing impacts to birds](#) for the birds of concern on your list below.

Ensure Your Migratory Bird List is Accurate and Complete

If your project area is in a poorly surveyed area, your list may not be complete and you may need to rely on other resources to determine what species may be present (e.g. your local FWS field office, state surveys, your own surveys). Please review the [Supplemental Information on Migratory Birds and Eagles document](#), to help you properly interpret the report for your specified location, including determining if there is sufficient data to ensure your list is accurate.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the "Probability of Presence Summary" below to see when these birds are most likely to be present and breeding in your project area.

Review the FAQs

The FAQs below provide important additional information and resources.

<p>Chimney Swift <i>Chaetura pelagica</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p>	Breeds Mar 15 to Aug 25
<p>Lesser Yellowlegs <i>Tringa flavipes</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9679</p>	Breeds elsewhere
<p>Little Blue Heron <i>Egretta caerulea</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA</p>	Breeds Mar 10 to Oct 15
<p>Pectoral Sandpiper <i>Calidris melanotos</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p>	Breeds elsewhere
<p>Prairie Loggerhead Shrike <i>Lanius ludovicianus excubitorides</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/8833</p>	Breeds Feb 1 to Jul 31
<p>Red-headed Woodpecker <i>Melanerpes erythrocephalus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p>	Breeds May 10 to Sep 10

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "[Supplemental Information on Migratory Birds and Eagles](#)", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For

How do I know if a bird is breeding, wintering, or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating, or resident), you may query your location using the [RAIL Tool](#) and view the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your IPaC migratory bird species list has a breeding season associated with it (indicated by yellow vertical bars on the phenology graph in your "IPaC PROBABILITY OF PRESENCE SUMMARY" at the top of your results list), there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Bald and Golden Eagle Protection Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially BCC species. For more information on avoidance and minimization measures you can implement to help avoid and minimize migratory bird impacts, please see the FAQ "Tell me more about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds".

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Proper interpretation and use of your migratory bird report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please look carefully at the survey effort (indicated by the black vertical line) and for the existence of the "no data" indicator (a red horizontal line). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list does not represent all birds present in your project area. It is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list and associated information help you know what to look for to confirm presence and helps guide implementation of avoidance and minimization

measures to eliminate or reduce potential impacts from your project activities, should presence be confirmed. To learn more about avoidance and minimization measures, visit the FAQ "Tell me about avoidance and minimization measures I can implement to avoid or minimize impacts to migratory birds".

Interpreting the Probability of Presence Graphs

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. A taller bar indicates a higher probability of species presence. The survey effort can be used to establish a level of confidence in the presence score.

How is the probability of presence score calculated? The calculation is done in three steps:

The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.

The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

Breeding Season ()

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort ()

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

No Data ()

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

Facilities

Wildlife refuges and fish hatcheries

Refuge and fish hatchery information is not available at this time

Wetlands in the National Wetlands Inventory

(NWI)

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

This location did not intersect any wetlands mapped by NWI.

NOTE: This initial screening does **not** replace an on-site delineation to determine whether wetlands occur. Additional information on the NWI data is provided below.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

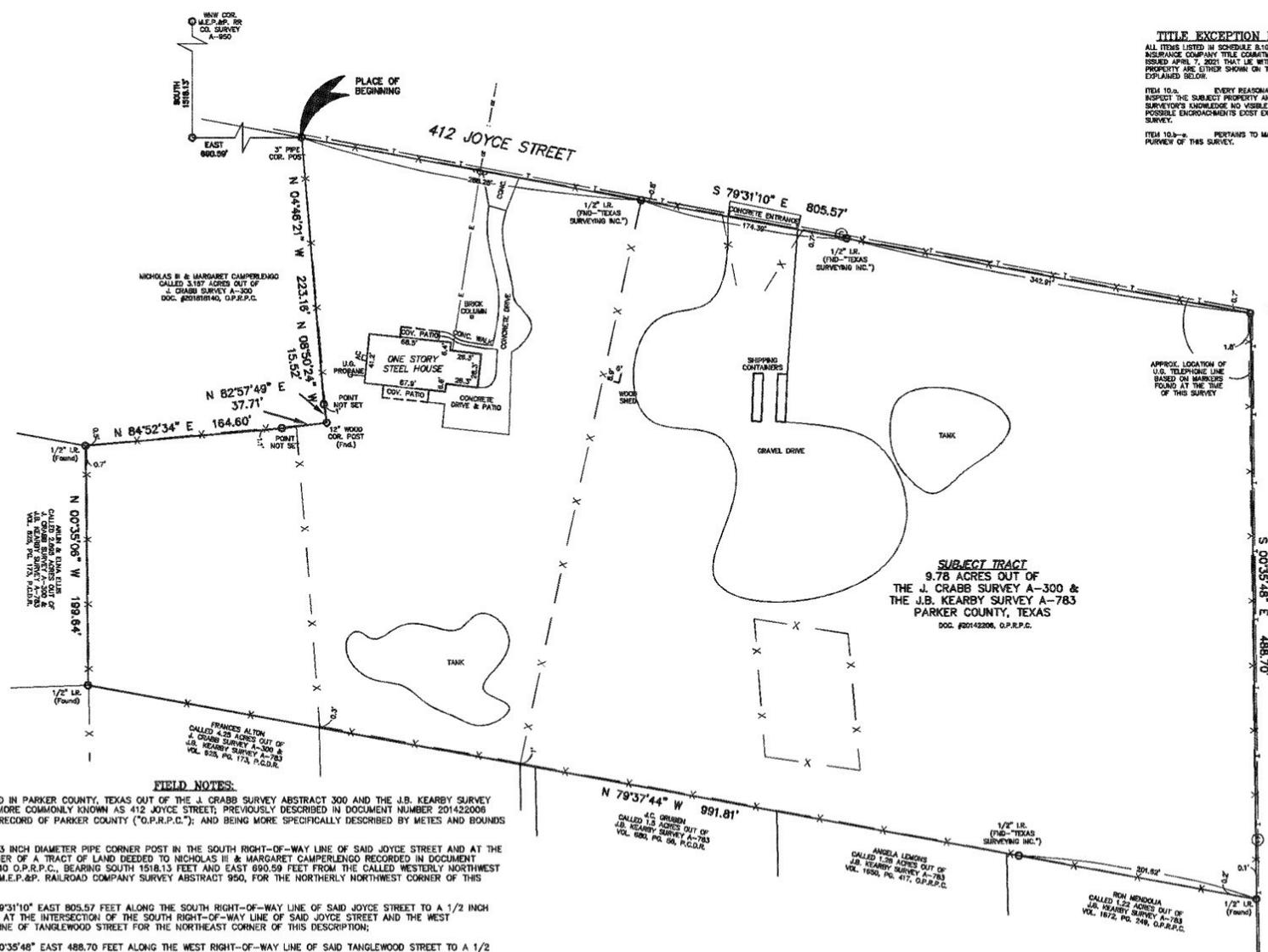
Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

ATTACHMENT E
LEGAL DESCRIPTION



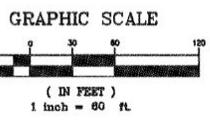
TITLE EXCEPTION ITEM REVIEW.
 ALL ITEMS LISTED IN SCHEDULE B.10 OF THAT ANNOCK TITLE INSURANCE COMPANY TITLE COMMITMENT FOR # NUMBER 7078278 ISSUED APRIL 7, 2021 THAT LIE WITHIN OR ACROSS THE SURVEYED PROPERTY ARE EITHER SHOWN ON THE SURVEY MAP OR ARE EXPLAINED BELOW.
 ITEM 10.a. EVERY REASONABLE ATTEMPT WAS MADE TO INSPECT THE SUBJECT PROPERTY AND TO THE BEST OF THE SURVEYOR'S KNOWLEDGE NO VISIBLE OR APPARENT ENCROACHMENTS OR POSSIBLE ENCROACHMENTS EXIST EXCEPT WHERE SHOWN ON THE SURVEY.
 ITEM 10.b. PERTAINS TO MATTERS NOT WITHIN THE PURVIEW OF THIS SURVEY.

SURVEYOR'S NOTE.
 1. ALL SET CORNERS ARE MARKED WITH A YELLOW PLASTIC CAP OR SHANKER STAMPED "PROVEN SURVEYING 10015000"
 2. THIS PLAT IS THE PROPERTY OF PROVEN SURVEYING AND SHALL NOT BE ALTERED, DUPLICATED, OR ELECTRONICALLY REPRODUCED WITHOUT THE WRITTEN AUTHORIZATION OF PROVEN SURVEYING
 3. PROVEN SURVEYING ACCEPTS NO RESPONSIBILITY FOR THE USE OF THIS SURVEY FOR ANY PURPOSE AFTER SIX MONTHS FROM THE LAST DATE INDICATED HEREON.
 4. EVERY REASONABLE ATTEMPT WAS MADE TO INSPECT THE SUBJECT PROPERTY AND TO THE BEST OF OUR KNOWLEDGE NO VISIBLE OR APPARENT ENCROACHMENTS OR POSSIBLE ENCROACHMENTS EXIST EXCEPT WHERE SHOWN ON THE SURVEY.

BASIS OF BEARINGS.
 SOUTH 79°31'10" EAST BEARING FOUND MONUMENTS FOR THE SOUTH RIGHT-OF-WAY LINE OF JOYCE STREET PER GPS OBSERVATIONS ON MAY 17, 2021 (SPCS83, TXAD02, SURVEY FEET, 2018 GEOID)

FLOODPLAIN INFORMATION:
 THIS FLOOD STATEMENT: (1) IS PROVIDED FOR FLOOD INSURANCE PURPOSES ONLY AND IS BASED ON CURRENTLY AVAILABLE INFORMATION THAT IS SUBJECT TO CHANGE; (2) DOES NOT IMPLY THAT THE PROPERTY AND/OR STRUCTURES THEREON WILL BE FREE FROM FLOODING OR FLOOD DAMAGE; AND (3) SHALL NOT CREATE ANY LIABILITY ON THE PART OF THE SURVEYOR. THE PROPERTY DESCRIBED HEREON DOES NOT LIE WITHIN THE SPECIAL FLOOD HAZARD ZONES INDICATED BY 100 YEAR FLOOD AS DELINEATED ON THAT FLOOD INSURANCE RATE MAP OF PARKER COUNTY, TEXAS, COMMUNITY PANEL NUMBER 4837020010, AS PREPARED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY AND DATED SEP. 26, 2006. ZONE 1

FIELD NOTES:
 A TRACT OF LAND IN PARKER COUNTY, TEXAS OUT OF THE J. CRABB SURVEY ABSTRACT 300 AND THE J.B. KEARBY SURVEY ABSTRACT 783, MORE COMMONLY KNOWN AS 412 JOYCE STREET, PREVIOUSLY DESCRIBED IN DOCUMENT NUMBER 201422008 OFFICIAL PUBLIC RECORD OF PARKER COUNTY ("O.P.R.P.C."), AND BEING MORE SPECIFICALLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:
 BEGINNING AT A 3 INCH DIAMETER PIPE CORNER POST IN THE SOUTH RIGHT-OF-WAY LINE OF SAID JOYCE STREET AND AT THE NORTHEAST CORNER OF A TRACT OF LAND DEEDED TO NICHOLAS III & MARGARET CAMPERLENGO RECORDED IN DOCUMENT NUMBER 201818140 O.P.R.P.C., BEARING SOUTH 1518.13 FEET AND EAST 890.59 FEET FROM THE CALLED WESTERLY NORTHWEST CORNER OF THE M.E.P.&P. RAILROAD COMPANY SURVEY ABSTRACT 950, FOR THE NORTHERLY NORTHWEST CORNER OF THIS DESCRIPTION;
 THENCE SOUTH 79°31'10" EAST 805.57 FEET ALONG THE SOUTH RIGHT-OF-WAY LINE OF SAID JOYCE STREET TO A 1/2 INCH IRON ROD FOUND AT THE INTERSECTION OF THE SOUTH RIGHT-OF-WAY LINE OF SAID JOYCE STREET AND THE WEST RIGHT-OF-WAY LINE OF TANGLEWOOD STREET FOR THE NORTHEAST CORNER OF THIS DESCRIPTION;
 THENCE SOUTH 00°35'48" EAST 488.70 FEET ALONG THE WEST RIGHT-OF-WAY LINE OF SAID TANGLEWOOD STREET TO A 1/2 INCH IRON ROD FOUND AT THE NORTHEAST CORNER OF A TRACT OF LAND DEEDED TO RON MENDOLIA RECORDED IN VOLUME 1872 PAGE 249 O.P.R.P.C. FOR THE SOUTHEAST CORNER OF THIS DESCRIPTION;
 THENCE NORTH 79°37'44" WEST 991.81 FEET ALONG THE NORTH LINE OF MULTIPLE TRACTS TO A 1/2 INCH IRON ROD FOUND AT THE SOUTHEAST CORNER OF A TRACT OF LAND DEEDED TO ARLIN & ELNA ELLIS RECORDED IN VOLUME 625 PAGE 173 PARKER COUNTY DEED RECORDS FOR THE SOUTHWEST CORNER OF THIS DESCRIPTION;
 THENCE NORTH 00°35'06" WEST 199.84 FEET ALONG THE EAST LINE OF SAID ELLIS TRACT TO A 1/2 INCH IRON ROD FOUND IN THE SOUTH LINE OF SAID CAMPERLENGO TRACT FOR THE WESTERLY NORTHWEST CORNER OF THIS DESCRIPTION;
 THENCE ALONG THE SOUTH AND EAST LINES OF SAID CAMPERLENGO TRACT AS FOLLOWS:
 NORTH 84°52'34" EAST 164.80 FEET TO A POINT NOT SET.
 NORTH 82°57'49" EAST 37.71 FEET TO A 12 INCH DIAMETER WOOD CORNER POST FOR AN INTERIOR CORNER OF THIS DESCRIPTION;
 NORTH 08°50'24" WEST 15.52 FEET TO A POINT NOT SET;
 THENCE NORTH 04°46'21" WEST 223.16 FEET TO THE PLACE OF BEGINNING AND CONTAINING 9.78 ACRES OF LAND MORE OR LESS.



SURVEY EXPRESSEDLY FOR THE BENEFIT OF: TROY & PAULA MARS
 COPYRIGHT 2021 PROVEN SURVEYING, ALL RIGHTS RESERVED

I hereby certify that this survey of this property located at 412 JOYCE STREET being legally described BY METES AND BOUNDS ABOVE OUT OF THE J. CRABB SURVEY A-300 & THE J.B. KEARBY SURVEY-783, PARKER COUNTY, TEXAS was made on the ground, represents the facts found at the time of the survey, and substantially complies with the current Texas Society of Professional Surveyors Standards and Specifications for a Category 1A Condition III Survey as of this the 17th day of MAY, 2021.

Brad Litteken
 BRAD LITTEKEN R.P.L.S., 6838
 NO. 210356-0 REV: REF: BML/DLH

PROVEN SURVEYING
 2406 KELL BOULEVARD
 WICHITA FALLS, TEXAS 76709
 (940) 322-6450
 Texas Licensed Survey Firm 10015000

ATTACHMENT F
PROPERTY OWNER AFFIDAVIT



Texas Commission on Environmental Quality

Property Owner Affidavit

I, Troy Mars, the owner of record of the property herein described:
Name of Property Owner

450 Joyce Street
Weatherford, Texas 76085

Physical Address

have all rights and covenants to lease, rent, or assign to Parker Waste Services LLC
the property described. Name of Applicant

I acknowledge that Parker Waste Services LLC has, or intends to file for, a
Name of Applicant

registration to operate a solid waste (whole used or scrap tires) recycling, processing, and/or storage facility upon such property.

I acknowledge that the State of Texas may hold the undersigned and Parker Waste Services LLC
Name of Applicant

either jointly or severally responsible for the operation, maintenance, closure and any required post-closure care of the site and facility.

I acknowledge my responsibility to file with the county deed records, upon closure of the site, an Affidavit to the Public advising that the land has been used for recycling, processing, and/or storage of waste tires.

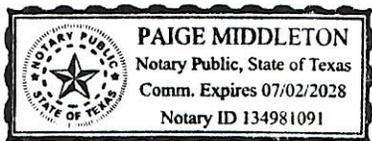
I acknowledge the requirement that the site operator/registrant shall have access to the property described herein for a period of five years or until said registration expires, whichever period is shorter, for the purpose of operation and maintenance of the site and for the conduct of business.

WITNESS MY HAND on this 9th day of September, 2025.

Property Owner Signature [Signature]

Subscribed and sworn to before me on this 9th day of September, 2025.

Paige Middleton, for Parker County, Texas.
Notary Public Signature



My Commission Expires: 07/02/2028

ATTACHMENT G
LEGAL AUTHORITY



Office of the Secretary of State

CERTIFICATE OF FILING OF

Parker Waste Services LLC

802514111

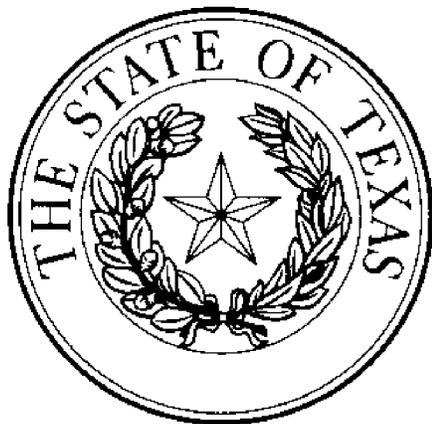
[formerly: Parker Waste Sevices LLC]

The undersigned, as Secretary of State of Texas, hereby certifies that a Certificate of Correction relating to an instrument that has been filed by the Secretary for the above named entity has been received in this office and has been found to conform to the applicable provisions of law.

ACCORDINGLY the undersigned, as Secretary of State, and by virtue of the authority vested in the secretary by law, hereby issues this certificate evidencing filing.

Dated: 08/22/2023

Effective: 08/22/2023



A handwritten signature in black ink that reads "Jane Nelson".

Jane Nelson
Secretary of State



Office of the Secretary of State

CERTIFICATE OF FILING OF

Parker Waste Sevices LLC
802514111

[formerly: Parker County Waste Management LLC]

The undersigned, as Secretary of State of Texas, hereby certifies that a Certificate of Amendment for the above named entity has been received in this office and has been found to conform to the applicable provisions of law.

ACCORDINGLY, the undersigned, as Secretary of State, and by virtue of the authority vested in the secretary by law, hereby issues this certificate evidencing filing effective on the date shown below.

Dated: 08/09/2023

Effective: 08/10/2023



A handwritten signature in black ink that reads "Jane Nelson".

Jane Nelson
Secretary of State



Office of the Secretary of State

CERTIFICATE OF FILING OF

Parker County Waste Management LLC

File Number: 802514111

Assumed Name:

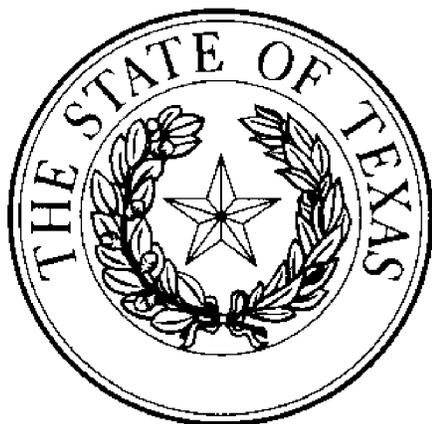
Parker Waste Services

The undersigned, as Secretary of State of Texas, hereby certifies that the assumed name certificate for the above named entity has been received in this office and filed as provided by law on the date shown below.

ACCORDINGLY the undersigned, as Secretary of State, and by virtue of the authority vested in the secretary by law hereby issues this Certificate of Filing.

Dated: 08/31/2022

Effective: 08/31/2022



A handwritten signature in black ink, appearing to read "John B. Scott".

John B. Scott
Secretary of State



Office of the Secretary of State

CERTIFICATE OF FILING OF

Parker County Waste Management LLC

File Number: 802514111

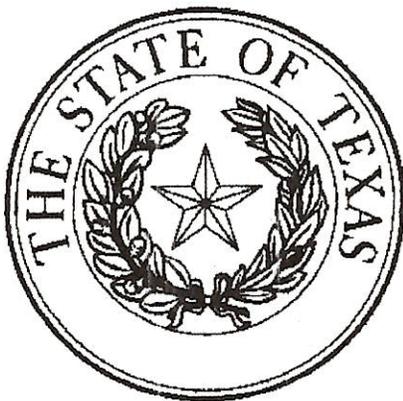
The undersigned, as Secretary of State of Texas, hereby certifies that a Certificate of Formation for the above named Domestic Limited Liability Company (LLC) has been received in this office and has been found to conform to the applicable provisions of law.

ACCORDINGLY, the undersigned, as Secretary of State, and by virtue of the authority vested in the secretary by law, hereby issues this certificate evidencing filing effective on the date shown below.

The issuance of this certificate does not authorize the use of a name in this state in violation of the rights of another under the federal Trademark Act of 1946, the Texas trademark law, the Assumed Business or Professional Name Act, or the common law.

Dated: 08/04/2016

Effective: 08/04/2016



A handwritten signature in black ink, appearing to read "Cascos" followed by a horizontal line.

Carlos H. Cascos
Secretary of State

Type V Permit Application

Part III

Site Development Plan

Parker Waste Services Transfer Station

Parker County, Texas

TCEQ Permit No. MSW-TBD

May 2025 | Report Number: 35247187

Prepared for:



Parker Waste Services LLC

PO Box 2047

Weatherford, Texas 76085



Nationwide
Terracon.com

- Facilities
- Environmental
- Geotechnical
- Materials

Table of Contents

1.0	INTRODUCTION	1-1
1.1	Background	1-1
1.2	Site Location	1-1
1.3	Land Use and Zoning §330.63(a)	1-2
2.0	GENERAL FACILITY DESIGN.....	2-2
2.1	Facility Access	2-2
2.1.1	Adequacy of Access Roads and Highways §330.63(a)	2-2
2.1.2	Fences and Access Control §330.63(b)(l)	2-2
2.2	Waste Movement §330.63(b)(2)	2-3
2.2.1	Waste Flow Diagram §330.63(b)(2)(A)	2-3
2.2.2	Waste Process Schematic View §330.63(b)(2)(B).....	2-3
2.2.3	Ventilation and Odor Control §330.63(b)(2)(C)	2-3
2.2.4	Generalized Construction Details §330.63(b)(2)(D) through (H)	2-4
2.2.5	Noise Pollution Control and Visual Screening §330.63(b)(2)(l)	2-5
2.3	Sanitation and Water Pollution Control §330.63(b)(3) & (4)	2-5
2.4	Protection of Endangered Species §330.63(b)(5)	2-5
3.0	SURFACE WATER DRAINAGE REPORT §330.63(C)	3-6
3.1	Drainage Design §330.63(c)(l)	3-6
3.2	Floodplain Considerations §330.63(c)(2).....	3-6
4.0	WASTE MANAGEMENT UNIT DESIGN §330.63(D)(L)	4-6
4.1	Waste Operations §330.63(d)(l)(A)	4-6
4.2	Spill Prevention and Control §330.63(d)(l)(B)	4-7
4.3	Waste Storage Period §330.63(d)(l)(C)	4-7

5.0 CLOSURE PLAN §330.63(H)5-7

List of Figures

- Figure 1 Site Location Map with Landfills Withing 50 Miles
- Figure 2 Transfer Station Preliminary Site Plan
- Figure 3 Land Use Within 1 Mile
- Figure 4 Proposed Transfer Station Building
- Figure 5 Cross Section of Proposed Transfer Stion Building
- Figure 6 Proposed Transfer Station Example
- Figure 7 National Flood and Wetland Map

List of Attachments

- Attachment A Stormwater Plan
- Attachment B Closure Plan

1.0 INTRODUCTION

The Part III - Site Development Plan (SDP) has been prepared for the improved Parker Waste Services (PWS) Transfer Station (TS) consistent with Title 30 Texas Administrative Code (TAC) §330.63. Part III - SDP addresses the general facility design, closure plan, and cost estimate for closure. The site design plans are included in Attachment A.

1.1 Background

The PWS is owned and operated by Mr. Troy Mars. The TS accepts household waste, brush, yard waste, commercial solid waste, Class 2 and Class 3 industrial waste (nonhazardous), special waste, and construction-demolition waste (refer to Section 2.1 of the Site Operating Plan (SOP) for types of special waste) from the surrounding area. The TS facility transfers the MSW to a permitted landfill (See Figure 1 for permitted landfills within 50 feet of the facility). Support facilities for the PWS TS include site entrance roads, scale house, maintenance shop, office and proposed transfer station building.

1.2 Site Location

The proposed Parker Waste Services TS is located outside the city limits of Weatherford, Texas in the Extraterritorial Jurisdiction (ETJ). The proposed facility is located at 450 Joyce Street, Weatherford, Texas 76085 in Parker County, Texas. The site is located approximately 1.8 miles northeast of downtown Weatherford. The proposed facility can currently be accessed from the Joyce Street entrance road that connects to the Ric Williamson Memorial Highway. The facility exits onto Joyce Street. Joyce Street will connect to the Ric Williamson Memorial Highway. The site location is shown on Figures 1 and 2.

1.3 Land Use and Zoning §330.63(a)

The Parkway TS is located outside the city limits of Weatherford, Texas in the ETJ. A detailed discussion of area land use and zoning for the site is presented in Section 7 of Parts I/II. As noted in Section 7 of Parts I/II, the proposed 9.78-acre permit boundary is currently located in an unincorporated area with residential, commercial, and open space zones. These zones allow for the proposed facility operation of a TS by PWS.

Land use within a one-mile radius is shown on Figure 3 and consists of mostly residential areas, with open space/agriculture and industrial/commercial uses making up the remainder.

2.0 GENERAL FACILITY DESIGN

2.1 Facility Access

2.1.1 Adequacy of Access Roads and Highways §330.63(a)

Vehicles bound for the PWS TS will access the TS facility via an existing entrance from Joyce Street. The vehicles will also exit the facility onto Joyce Street. This infrastructure will be used by MSW and recyclable material haulers, including private citizens. Joyce Street connects to the Ric Williamson Memorial Highway. These are public roads and are maintained by the City of Weatherford Public Works Department and TxDOT.

As noted in Parts I/II, in Section 8, and in the Traffic Study that is in Appendix C of Parts I/II of the application, the site access road will provide adequate access to the site throughout the life of the facility.

In accordance with §330.61(1) (4), TxDOT was contacted to determine if any traffic or location restrictions apply to the facility. Any required improvements will be constructed and accepted by TxDOT before any proposed improvements to the facility can accept waste.

2.1.2 Fences and Access Control §330.63(b)(I)

Vehicle access to the TS facility will be controlled by the scale house attendant during operating hours. Outside operating hours, the inbound access will be controlled by

gates located at the facility entrance. As shown on Figure 2, access to the site at points other than the entry gate is prevented by a 6-foot high chain link and barbed wire fence located around the perimeter of the TS site in a manner so as to prevent the entry of livestock, to protect the public from exposure to potential health and safety hazards, and to discourage unauthorized entry or uncontrolled disposal of solid waste or hazardous materials.

The PWS policy will restrict entry to the site only to designated site operations personnel, solid waste haulers authorized to use the facility, TCEQ personnel, and properly identified persons whose entry is authorized by PWS Solid Waste employees. PWS reserves the right to restrict access to the site to persons not demonstrating a legitimate purpose for visiting.

2.2 Waste Movement §330.63(b)(2)

2.2.1 Waste Flow Diagram §330.63(b)(2)(A)

A municipal solid waste flow diagram indicating the processing, storage, and disposal sequences for various types of municipal solid wastes for the proposed transfer station is shown on Figure 2. The location of the permitted landfills within 50 miles is shown on Figure 1.

2.2.2 Waste Process Schematic View §330.63(b)(2)(B)

Figure 2 shows the layout for the proposed transfer station. Figures 4, 5 and 6 show the proposed building to be used as the transfer station building. The property proposed to be utilized for the TS facility is approximately 9.78-acres.

2.2.3 Ventilation and Odor Control §330.63(b)(2)(C)

Air emissions from the facility will not cause or contribute to a condition of air pollution as defined in the Texas Clean Air Act. No liquid or solid wastes are stored outside of the buildings. The buildings provide the odor containment for solid wastes.

If installed, constructed air pollution abatement devices will obtain authorization, under 30 TAC Chapter 116 (relating to Control of Air Pollution By Permits for New Construction or Modifications) or Subchapter U of this chapter (relating to Standard Air Permits for Municipal Solid Waste Landfill Facilities and Transfer Stations), as applicable, from the Air Permits Division prior to the start of construction, except as authorized in Texas Health and Safety Code, §382.004, Construction While Permit Application Pending.

To control odors, routine tipping, sorting and transfer operations will be confined within the TS building. The facility will be operated to provide adequate ventilation for employee safety.

If any air pollution, capture and abatement equipment is utilized, it will be maintained and operated according to the manufacturer's requirements during the facility operation in order to adequately maintain its efficiency. The following measures will be employed to assist in air pollution/odor control:

- Buffer zones onsite
- Covering transfer trailers
- Operations will be performed within a building
- Special procedures for odorous loads as described in Section 7.12 of the Site Operating Plan in Part IV of the application
- Cleaning all working surfaces that come in contact with waste weekly as described in Section 7.11 of the Site Operating Plan in Part IV of the application.
- Minimize overnight storage of waste except for extenuating circumstances such as inclement weather or mechanical breakdown.

Reporting of emission events will be made in accordance with Title 30 TAG §101.210 and reporting of scheduled maintenance of air pollution control equipment will be made in accordance with Title 30 TAG §101.211.

2.2.4 Generalized Construction Details §330.63(b)(2)(D) through (H)

The TS building is a corrugated metal building. The proposed facility will consist of a proposed transfer station and additional operations areas and infrastructure. All tipping will occur completely within the TS building.

No storage of sludge is authorized at the transfer station.

Wastewater generated by the TS facility from managing the MSW or from cleaning and washing will be managed in accordance with §330.207, Contaminated Water Management.

2.2.5 Noise Pollution Control and Visual Screening §330.63(b)(2)(I)

The nearest residences are located approximately 65 feet east of the permit boundary. To minimize noise resulting from the operations of the transfer station, operations will primarily be conducted within the enclosed building.

2.3 Sanitation and Water Pollution Control §330.63(b)(3) & (4)

The TS structure includes a roof that covers the waste processing area and the waste storage area. Waste will be unloaded and processed on top of the concrete tipping floor that is raised above surrounding ground. All floors in operating areas are constructed of concrete that can be washed down and scrubbed.

Spray nozzles attached to washdown hoses will be used to hose down the concrete tipping floor. Trench drains will collect contaminated water in the transfer truck loading pit and will then be sent stored in a tank that will be pumped out as needed and removed from the facility and disposed of at a permitted disposal facility. The TS site will be graded to prevent run-on drainage and flow of stormwater into the building. Stormwater that contacts vehicle maneuvering areas outside the transfer station building will not be considered contaminated water and will be discharged according to the stormwater permit.

2.4 Protection of Endangered Species §330.63(b)(5)

Based on the research, there are no threatened/endangered species or their critical habitat within the Project Site. Based on the attached information, the proposed transfer station will not result in the destruction or adverse modification to any critical habitat of any endangered or threatened species, or cause or contribute to the taking of any endangered or threatened species as described in TAC §330.61(n)(I). It is Terracon's opinion that the proposed transfer station will have no effect on federally or state-listed Threatened and Endangered (T&E) species. A copy of the report can be found in Attachment D, Parts I/II of the application. of the

3.0 SURFACE WATER DRAINAGE REPORT

§330.63(C)

3.1 Drainage Design §330.63(c)(1)

The TS will be constructed, maintained, and operated to manage run-on and runoff during the peak discharge of a 25-year, 24-hour storm event and will prevent the off-site discharge of waste and feedstock material, including, but not limited to, in-process and/or processed materials. Surface water drainage in and around the facility will be controlled to minimize surface water running onto, into, and off the processing area. Therefore, the facility design complies with 30 TAC §330.303. Details of the drainage system and associated design demonstrations are included in Attachment A, Stormwater Drainage Report.

3.2 Floodplain Considerations §330.63(c)(2)

As shown on Figure 7, the proposed TS development area is located over 600 feet to the southeast of the permit boundary. No waste storage or processing will occur within the 100-year floodplain. Therefore, no washout of waste will occur during a 100-year storm event.

4.0 WASTE MANAGEMENT UNIT DESIGN

§330.63(D)(L)

4.1 Waste Operations §330.63(d)(1)(A)

The proposed TS facility has been designed for efficient MSW processing. All solid waste capable of creating public health hazards or nuisances will be stored within the building, processed or transferred promptly, and shall not be allowed to result in a nuisance or public health hazard.

The transfer station is limited by the Application to receive a maximum of 100 tons of waste per day. This throughput is not a limit of design. A maximum of approximately 100 tons of waste could be stored at the facility within the enclosed building.

4.2 Spill Prevention and Control §330.63(d)(I)(B)

MSW staging and processing areas at this facility are located within the TS building. The unloading areas have been designed to control and contain spills and contaminated water. Contaminated water generated by the TS facility will consist of washdown water applied to the tipping floor. The tipping floor has been designed to control and contain spills and contaminated water. All contaminated water will be discharged to a storage tank and disposed of offsite by a vacuum truck. All contaminated water will be discharged to permitted facilities.

4.3 Waste Storage Period §330.63(d)(I)(C)

The facility will not accumulate solid waste in quantities that cannot be processed within such time as preclude the creation of odors, insect breeding, or harborage of other vectors. The maximum and average lengths of time that solid waste will remain at the facility are 72 hours and 24 hours, respectively. Solid waste will not be stored overnight at the facility except for extenuating emergency circumstances such as inclement weather or mechanical breakdown. Non-stored wastes will be transported daily to a permitted landfill.

5.0 CLOSURE PLAN §330.63(H)

A closure plan is included in Attachment B.

FIGURES



N:\GEOARCHIVE\CAD\10001\35247\BPT\FIGURES\202 - PWS - EXISTING COND AND PROPOSED CONDITIONS REV2.DWG

REV	DATE	BY	DESCRIPTION

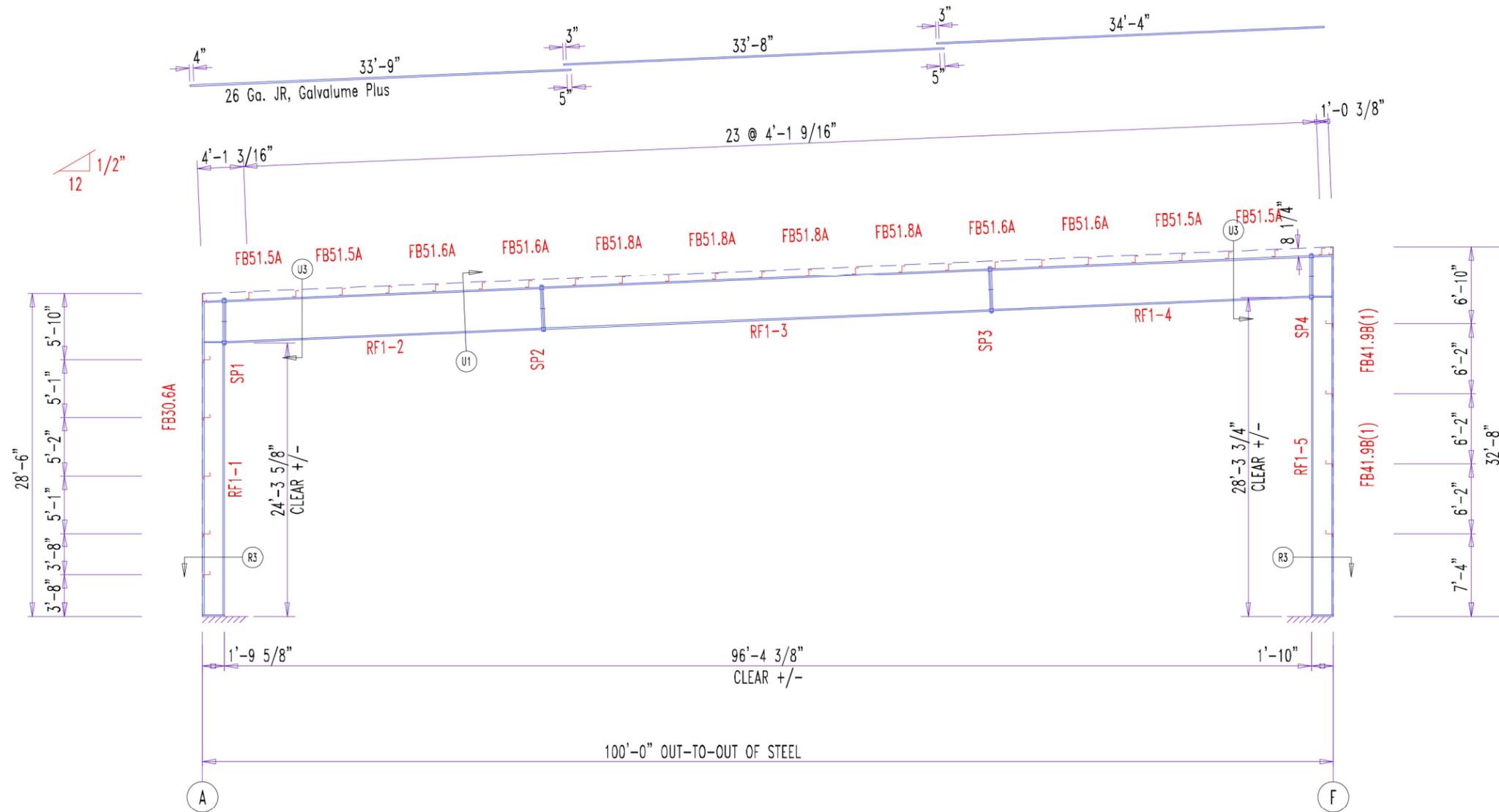
SCALE IN FEET

PROPOSED SITE PLAN
 TRANSFER STATION PERMIT APPLICATION
PARKER WASTE SERVICE LLC
 PARKER WASTE SERVICE
 PARKER COUNTY
 TEXAS

Terracon
 Consulting Engineers and Scientists
 25609 I-30 SOUTH
 PH. (501) 847-9292
 BRYANT, AR 72022
 FAX. (501) 847-9210

FIGURE 2

DESIGNED BY:	DCM
DRAWN BY:	TLB
APPVD BY:	DCM
SCALE:	SEE SCALE
DATE:	2/27/2025
JOB NO.:	610-001-35247187
ACAD NO.:	201
SHEET NO.:	- OF -



RIGID FRAME ELEVATION: FRAME LINE 2 3 4 5

REV.	DATE	BY	DESCRIPTION

PROPOSED BUILDING CROSS-SECTION
 PWS TRANSFER STATION
PARKER WASTE SERVICES LLC
 PARKER WASTE SERVICES
 PARKER COUNTY
 TEXAS



25809-130 SOUTH
 PH. (501) 847-9292
 BRYANT, AR 72022
 FAX. (501) 847-9210

FIGURE 5

DESIGNED BY:	DCM
DRAWN BY:	AS
APPVD BY:	DCM
SCALE:	SEE SCALE
DATE:	2/28/2025
JOB NO:	610-001-35247187
ACAD NO:	203
SHEET NO.:	- OF -

 1815 Banks Drive Weatherford, TX 76087 (817) 599-5241 www.jagmetalsllc.com		DESCRIPTION: RIGID FRAME ELEVATION	
		CUSTOMER: Mike Wolfson	PROJECT: Troy Building
LOCATION: Weatherford, TX 76087		DRN. BY	CK'D BY
DATE	SCALE	REV.	QUOTATION NO.
12/ 6/24	N.T.S.	00	6420
SHEET NO. OF		SHEET NO. OF	

N:\GE\ARCHIVE\CAD\01\000\1\35247187\FIGURES\203_PWS FIGURES.DWG

National Flood Hazard Layer FIRMette



97°47'5"W 32°47'15"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes, Zone X
		Area with Flood Risk due to Levee Zone D

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
OTHER FEATURES		Profile Baseline
		Hydrographic Feature

MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped
		The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **1/10/2025 at 4:09 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

REV#	DATE	BY	DESCRIPTION

NATIONAL FLOOD AND WETLAND MAP

PWS TRANSFER STATION
PARKER WASTE SERVICES LLC
 PARKER WASTE SERVICES
 PARKER COUNTY
 TEXAS

25809-130 SOUTH
 BRYANT, AR 72022
 PH. (501) 847-9292
 FAX. (501) 847-9210

FIGURE 6	
DESIGNED BY:	DCM
DRAWN BY:	AS
APPVD BY:	DCM
SCALE:	SEE SCALE
DATE:	2/28/2025
JOB NO:	610-001-35247187
ACAD NO.:	203
SHEET NO.:	- OF -

N:\GISC\ARCHIVE\CAD\000\135247187\FIGURES\203_PWS_FIGURES.DWG

ATTACHMENT A
Stormwater Plan

Type V Permit Application

Part III

Site Development Plan

Attachment A – Facility Surface Water Drainage Report

Terracon Project No. 35247187

Parker Waste Services Transfer Station

Parker County, Texas

TCEQ Permit No. MSW-TBD

Prepared for:



Parker Waste Services, LLC

PO Box 2047

Weatherford, Texas 76085



Nationwide
Terracon.com

- Facilities
- Environmental
- Geotechnical
- Materials

Table of Contents

1.0	INTRODUCTION	1
2.0	STORMWATER MANAGEMENT	1
2.1	Regional Drainage Information	1
2.2	Surface Water Protection	2
2.3	Drainage System Layout	2
2.4	TPDES Compliance	3
2.5	Erosion and Sedimentation Control Plan	3
3.0	DRAINAGE SYSTEM DESIGN	3
3.1	Methodology	3
3.2	Hydrologic Analysis	4
3.2.1	Description of Computer Program	4
3.2.2	Watershed Subareas and Schematization	4
3.2.3	Hypothetical Precipitation	4
3.2.4	Precipitation Losses	4
4.0	SITE DRAINAGE PATTERNS	4
4.1	Site Drainage Patterns	5
4.2	Effect of Site Development on Drainage from the Site	5
4.2.1	Peak Flow Rates	5
4.2.2	Volumes	5
4.2.3	Velocities	6
4.2.4	Floodplain	6
4.3	Summary	6

List of Appendix

Appendix A-1 Run-off Surface Water Management

1.0 INTRODUCTION

This Facility Surface Water Drainage Report is prepared as part of the Municipal Solid Waste (MSW) Type V Permit Application for the Parker Waste Services proposed Parker Waste Services Transfer Station (TS) consistent with Title 30 Texas Administrative Code (TAG) §330.63(c) and §330.303. This plan addresses surface water drainage design and erosion control.

Consistent with Title 30 TAC §330.63(c) and §330.303, the facility will be constructed, maintained, and operated to manage run-on and runoff during the peak discharge of a 25-year, 24-hour rainfall event and will prevent the off-site discharge of waste and in-process and/or processed materials. Surface water drainage in and around a facility shall be controlled to prevent surface water running onto, into, and off the transfer station processing area. Although not specifically required by the rules, the drainage analysis for a 25-year, 24-hour storm event is used to demonstrate that the existing drainage of the TS site will not be adversely altered. The supporting hydrologic demonstrations are included in Appendix A-1.

No portion of the site is located within the 100-year floodplain. The TS is located approximately 600 feet from the nearest 100-year floodplain, as defined by the Federal Emergency Management Administration (FEMA).

Section 2 of this report includes a discussion of the regional drainage and stormwater management system. Section 3 discusses the detailed drainage design methodology. Section 4 demonstrates that the TS development will not adversely alter the existing drainage patterns.

2.0 STORMWATER MANAGEMENT

2.1 Regional Drainage Information

According to the USGS Watershed Boundary Dataset, the PWS TS is located in the Underwood Branch-Willow Creek (HUC: 120301020205). The facility drains southeast to Reservoir Number 29 in Weatherford, Texas.

2.2 Surface Water Protection

The TS has been designed to achieve the following goals.

- Prevent a discharge of solid wastes or pollutants adjacent to or into waters of the state.
- Prevent a discharge of pollutants into waters of the United States.
- Prevent a discharge of dredged or fill material to waters of the United States.
- Prevent a discharge of nonpoint source pollution to waters of the United States.
- Avoid adverse alteration of existing drainage patterns.

The proposed TS facility consists of a building with a reinforced concrete slab foundation. Drainage from the facility is designed to maintain the existing drainage patterns at the permit boundary and will prevent the offsite discharge of waste. Surface water drainage in and around the facility will be controlled to prevent surface water running onto, into, and off the processing area. For example:

- Uncontaminated stormwater run-on and runoff will be directed away from the transfer station building entrances by site grading. The inside of the transfer station building will not result in any storm-generated contaminated water since the transfer station building is completely covered. Stormwater will be managed by maintaining the existing stormwater patterns in areas outside of the transfer station building footprint.
- The stormwater drains to the southeast corner of the facility. There will be one discharge point along the southwest side of the permit boundary. All runoff originating from east and northeast of the facility generally flows to the south and southeast towards Reservoir 29.
- No runoff enters the Transfer Station building.

2.3 Drainage System Layout

The general drainage pattern of the existing property site is from the north and west and flows to the southeast and sheet flows off site. The proposed transfer station area generally drains to the southeast via sheet flow ultimately to Reservoir #29.

After the development of the proposed TS is complete, drainage patterns will remain similar to the existing drainage patterns at the property. Runoff within the permit boundary is conveyed mainly by sheet flow then collected in perimeter ditches to the

south and east of the site. The ditches will slow down the flow and help collect any sediment. Discharge will be through culverts at the southeast corner of the site where it will be sampled and ultimately drain to Reservoir #29.

2.4 TPDES Compliance

The proposed TS will operate in such a manner as to prevent discharge of pollutants into waters of the state or United States as defined by the Texas Water Code and the Federal Clean Water Act. The site will be subject to the TCEQ's stormwater permit requirements and will operate under the TPDES multi-sector General Permit for Stormwater Discharges, under SIC 4212 (Transportation and Warehousing). Proposed construction will be subject to the TCEQ's stormwater permit requirements. The facility will compile a Stormwater Pollution Prevention Plan (SWPPP) prior to operating the proposed facility.

2.5 Erosion and Sedimentation Control Plan

Erosion and sedimentation control will be provided, as necessary, during construction activities through the use of temporary diversion berms, silt fences, and hay bales. These measures will be developed to provide for control of erosion and sediment prior to stormwater flows leaving the site. The temporary erosion control measures will be documented in the SWPPP that will be developed prior to construction of the facilities, consistent with TPDES requirements. Permanent erosion control features have been included in the final site design. These features include the establishment of vegetation or other landscaping on the non-paved portion of the site. In addition, site grading is designed to convey runoff without causing erosion (i.e., runoff velocities are less than 5 ft/sec during a 25-year, 24-hour storm event).

3.0 DRAINAGE SYSTEM DESIGN

3.1 Methodology

Drainage calculations for the TS are based on the peak flow rates resulting from the 25-year, 24-hour rainfall event for the area. The Civil 3D Stormwater computer program was used to compute peak flow rates produced from the design storm.

3.2 Hydrologic Analysis

3.2.1 Description of Computer Program

Autodesk Storm and Sanitary Analysis (SSA) was used to model the existing and post-development conditions to determine peak flows entering and leaving the TS site. SSA is an advanced, powerful, and comprehensive modeling package for analyzing and designing urban drainage systems, stormwater sewers, and sanitary sewers. The hydrologic analysis for the existing and post-development conditions are included in Appendix A-1.

3.2.2 Watershed Subareas and Schematization

The TS site was delineated to derive a peak flow leaving the TS site. The drainage areas for the existing and post-development conditions are discussed in Appendix A-1.

3.2.3 Hypothetical Precipitation

The hypothetical precipitation of the storm was obtained from the SSA program that uses the National Oceanic and Atmospheric Administration (NOAA). For this analysis, the design storm utilized was the 25-year, 24-hour storm event.

3.2.4 Precipitation Losses

Precipitation losses (the precipitation that does not contribute to the runoff) are calculated using the Soil Conservation Service (SCS) Curve Number (CN) method. CN is a function of soil cover, land use, and antecedent moisture conditions. A CN of 89 was selected to represent the post-development gravel-paved areas at the site, and 76 and 77 for natural (existing) ground or vegetated areas. Further discussion on selection of CN values is provided in Appendix A-1 for post-development and existing conditions.

4.0 SITE DRAINAGE PATTERNS

This section provides a demonstration that the TS development will not adversely alter the existing drainage patterns. A summary of drainage patterns and stormwater flows produced by the 25-year, 24-hour storm event are presented on the following Appendices.

- Appendix A-1 – Run-off Surface Water Management

The following two sections discuss: [1] site drainage patterns and (2) the effect of the proposed development on peak flows, volumes, and velocities discharged from the site.

4.1 Site Drainage Patterns

The post-development drainage patterns are consistent with the existing drainage patterns. Runoff exits the permit boundary in both analyzed conditions on the south side of the property. The difference between existing and post conditions are under existing conditions the flow sheet flows off the property on the south side and the post development is collected in a perimeter ditch and discharged at the southeast corner of the property. Existing conditions drain a total of 72.55 cfs with 30.73 cfs being at the southeast corner. The proposed development drains 9.71 cfs as sheet flow of the southwest side of the property and 59.86 cfs at the southeast corner of the property.

4.2 Effect of Site Development on Drainage from the Site

4.2.1 Peak Flow Rates

As shown on Appendix A-1, the comparison of existing and post-development drainage conditions at the site shows that the peak flows generated by a 25-year storm event not adversely altered by the proposed TS development, but they are collected to have a single discharge point. Additionally, the TS site design will not change the direction at which stormwater runoff leaves the site. Drainage analyses for post-development conditions and existing conditions at the site are presented in Appendix A-1.

Peak flow rates entering the northwest permit boundary are unchanged between the existing and post-development conditions. Stormwater exiting the permit boundary discharges at two locations. The west side of the property sheetflows off the southwest side of the property and the remaining area is collected in perimeter ditches and exits from the southeast corner (Link-OUT). The proposed development includes adding gravel paved areas to the site, and results in less than 1 cfs increase in the total peak discharge.

4.2.2 Volumes

Post-development runoff volume generated is slightly increased (approximately 2%) due to a larger area being gravel paved. However, the discharge through the

southeast corner is roughly doubled due to the perimeter ditches directing the bulk of the runoff through one outfall.

4.2.3 Velocities

A summary of the 25-year frequency storm peak flow velocities that exit the site are shown in Appendix A-1. Flow velocity at the southeast corner increases due to flow exiting the permit boundary in a culvert rather than overland flow. However, rip-rap will be installed downstream of the culvert to mitigate erosion. Velocity calculations are provided in Appendix A-1 for the post-development and existing conditions.

4.2.4 Floodplain

As discussed in Section 11 of Parts I/II, no portion of the site is located within the 100-year floodplain.

4.3 Summary

From the hydrologic and hydraulic evaluations of the existing and post-development conditions, the existing drainage conditions at the permit boundary will not be adversely altered by the proposed development. The main difference between existing and post conditions are under existing conditions the flow sheet flows off the property on the south side and the post development is collected in a perimeter ditch and discharged at the southeast corner of the property. This does increase flow velocity at the southeast corner of the property, however, riprap will be installed downstream of the culvert to mitigate erosion.

APPENDIX A-1

Run-off Surface Water Management

PROJECT **Appendix A-1 - Parker Waste Services Transfer Station Permit**
: Application - Run-off Surface Water Management

PAGE: 1 ^o f 5

JOB NO.: 35247187 **DATE :** May 2025 **COMP. BY:** TLB **CHECKED BY:** DCM

CALCULATIONS BY: Tony Bardella – Staff Engineer
Terracon Consultants, Inc.
25809 Interstate 30 South
Bryant, Arkansas 72022
(501) 847-9292

MODELING METHOD

Autodesk Storm and Sanitary Analysis 2024 (SSA)

ANALYSIS

A detailed engineering analysis was performed on the components that comprise the stormwater management system for surface water run-off within the facility boundaries. The components analyzed for this permit modification include:

1. Drainage Areas (Subbasins)
2. Perimeter Ditches

The hydrologic analysis was performed utilizing a 25-year, 24-hour rainfall event. SSA was utilized to perform the engineering analysis to compare initial to proposed conditions. The analysis was performed for the initial and post development conditions of the Parker Waste Services Transfer Station (TS). This is considered to be a conservative approach for the design capacity of the conveyance features. These results were generated to assure that the conveyance parameters of stormwater design elements are adequate.

PARAMETERS USED IN THE ANALYSES

The following are the lists of parameters that were considered for stormwater management:

A 25-year, 24-hour rainfall event for Parker County, which has a 7.3-inch precipitation depth, was considered for design of the proposed TS permit area. The proposed area was first segregated into 5 sub-basins then the areas were determined. It was concluded that the TS would fall into the Type II rainfall distribution as published by the Nation Resource Conservation Service (NRCS). The 25-year, 24-hour rainfall data for Parker County was available within the SSA.

For each element in the design, the following parameters, if applicable, were input or calculated using the SSA software and dialogue box selections, typical values or site design information:

- Run-off Curve Number
 - Data gathered from NRCS Web Soil Survey and TR-55 Tables

PROJECT **Appendix A-1 - Parker Waste Services Transfer Station Permit**
: Application - Run-off Surface Water Management

PAGE: 2 ^o f 5

JOB NO.: 35247187 **DATE :** May 2025 **COMP. BY:** TLB **CHECKED BY:** DCM

- Duffau and Keeter Soils.
 - Hydraulic Soil Group C.
- Windthorst Fine Sandy Loam.
 - Hydraulic Soil Group C.
- CN = 76 from Table 2-2a of the TR-55 Manual for “woods and grass combination, fair”
- CN = 77 from Table 2-2a of the TR-55 Manual for “2 acre lots, 12% impervious”
- CN = 87 from Table 2-2a of the TR-55 Manual for “dirt roads”
- CN = 89 from Table 2-2a of the TR-55 Manual for “gravel roads”
- Area (Ac);
 - Automatically calculated based on site design
- Impervious Area (%);
 - 0% assumed globally this site is not expected to have significant areas of pavement
- Average Slope (%);
 - 5.1-6.3% for side slope berms
 - 2.33-6.28% min for perimeter channels
 - 3.5% min for culverts
- Pervious Area Manning’s Roughness, taken from SSA databases;
 - 0.30 for West area off property – “Urban Residential 1-3 building/ac”
 - 0.015 for Entrance/Admin/Traffic area – “Gravel”
 - 0.40 for East area off property, “woods with light underbrush”
- Link Invert Information (elevation)
 - Taken from site design
- Link Cross Section
 - Trapezoidal ditch for all perimeter ditches
 - Circular for all culverts

PROJECT Appendix A-1 - Parker Waste Services Transfer Station Permit
: Application - Run-off Surface Water Management

PAGE: 3 ^o 5
f

JOB NO.: 35247187 **DATE :** May 2025 **COMP. BY:** TLB **CHECKED BY:** DCM

SUMMARY OF RESULTS

Subbasins Initial Conditions

- Subbasin 1 (Sub-01)
 - Area ~1.55 ac
 - Weighted Curve Number ~ 77
 - Max Velocity ~ 4.05 ft/sec
 - Peak Runoff ~ 9.71 cfs
- Subbasin 2 (Sub-02)
 - Area ~1.98 ac
 - Weighted Curve Number ~ 81.73
 - Max Velocity ~ 4.05 ft/sec
 - Peak Runoff ~ 15.2 cfs
- Subbasin 3 (Sub-03)
 - Area ~2.09 ac
 - Weighted Curve Number ~ 84.35
 - Max Velocity ~ 4.05 ft/sec
 - Peak Runoff ~ 16.91 cfs
- Subbasin 4 (Sub-04)
 - Area ~1.99 ac
 - Weighted Curve Number ~ 81.06
 - Max Velocity ~ 3.64 ft/sec
 - Peak Runoff ~ 15.66 cfs
- Subbasin 5 (Sub-05)
 - Area ~2.26 ac
 - Weighted Curve Number ~ 78.61
 - Max Velocity ~ 3.64 ft/sec
 - Peak Runoff ~ 15.07 cfs

Subbasins Proposed Conditions

- Subbasin 1 (Sub-01)
 - Area ~1.55 ac
 - Weighted Curve Number ~ 77
 - Max Velocity ~ 4.05 ft/sec
 - Peak Runoff ~ 9.71 cfs
- Subbasin 2 (Sub-02)
 - Area ~1.98 ac
 - Weighted Curve Number ~ 81.73
 - Max Velocity ~ 4.05 ft/sec
 - Peak Runoff ~ 15.2 cfs
- Subbasin 3 (Sub-03)
 - Area ~2.09 ac
 - Weighted Curve Number ~ 84.57
 - Max Velocity ~ 4.05 ft/sec
 - Peak Runoff ~ 16.64 cfs
- Subbasin 4 (Sub-04)
 - Area ~1.99 ac
 - Weighted Curve Number ~ 88.16
 - Max Velocity ~ 3.64 ft/sec
 - Peak Runoff ~ 16.04 cfs
- Subbasin 5 (Sub-05)
 - Area ~2.26 ac
 - Weighted Curve Number ~ 78.79
 - Max Velocity ~ 3.64 ft/sec
 - Peak Runoff ~ 15.68 cfs

PROJECT **Appendix A-1 - Parker Waste Services Transfer Station Permit**
: Application - Run-off Surface Water Management

PAGE: 4 ^of 5

JOB NO.: 35247187 DATE : May 2025 COMP. BY: TLB CHECKED BY: DCM

Perimeter Ditches

The perimeter channels along the south and east sides have been designed with an 1-foot bottom width, 2.5-foot depth, 2:1 side slopes, and a flowline slopes of 2.33 to 6.28%. The end section of the perimeter channel along the south side has been designed with a 3.0-foot depth.

- East Ditch 1 (Link E1)
 - Design Capacity ~214 cfs
 - Peak Flow during design storm ~ 14.85 cfs
- East Ditch – 2 (Link E2)
 - Design Capacity ~130.17 cfs
 - Peak Flow during design storm ~14.81 cfs
- East Ditch – 3 (Link E3)
 - Design Capacity ~ 161.58 cfs
 - Peak Flow during design storm ~14.80 cfs
- South Ditch - 1 (Link S1)
 - Design Capacity ~180.65 cfs
 - Peak Flow during design storm ~14.81 cfs
- South Ditch – 2 (Link S2)
 - Design Capacity ~150.96 cfs
 - Peak Flow during design storm ~14.74 cfs
- South Ditch – 3 (Link S3)
 - Design Capacity ~150.98 cfs
 - Peak Flow during design storm ~30.66 cfs
- South Ditch – 4 (Link S4)
 - Design Capacity ~236.62 cfs
 - Peak Flow during design storm ~45.52 cfs

See **Appendix A-1.b** for results

PROJECT **Appendix A-1 - Parker Waste Services Transfer Station Permit**
: Application - Run-off Surface Water Management

PAGE: 5 ^of 5

JOB NO.: 35247187 DATE : May 2025 COMP. BY: TLB CHECKED BY: DCM

Culverts

The east perimeter ditch must transition through a culvert below the exit road. Both south and east perimeter ditches transition through culverts before existing the site on the southeast corner. The following is a summary of the culverts proposed:

- Southeast Culvert (Link OUT)
 - 2 barrel, 24-inch concrete pipe, 3.5% slope
 - Design Flow = 73.36 cfs
 - Peak Flow during design storm = 59.86 cfs

Stormwater culvert sizing is presented in **Appendix A-1.a**, also see **Figures** for visual reference.



PROJECT **Appendix A-1 - Parker Waste Services Transfer Station Permit**
: Application - Run-off Surface Water Management

PAGE: ^o
 _f

JOB NO.: 35247187

DATE : May 2025

COMP. BY: TLB

CHECKED BY: DCM

Appendix A-1.a Run-off Design Figures



N:\GEOGRAPHIC\CAD\0001\SUBSTATION\STORMWATER\01 - STORMWATER ANALYSIS FIGURE - PWS TRANSFER STATION.DWG

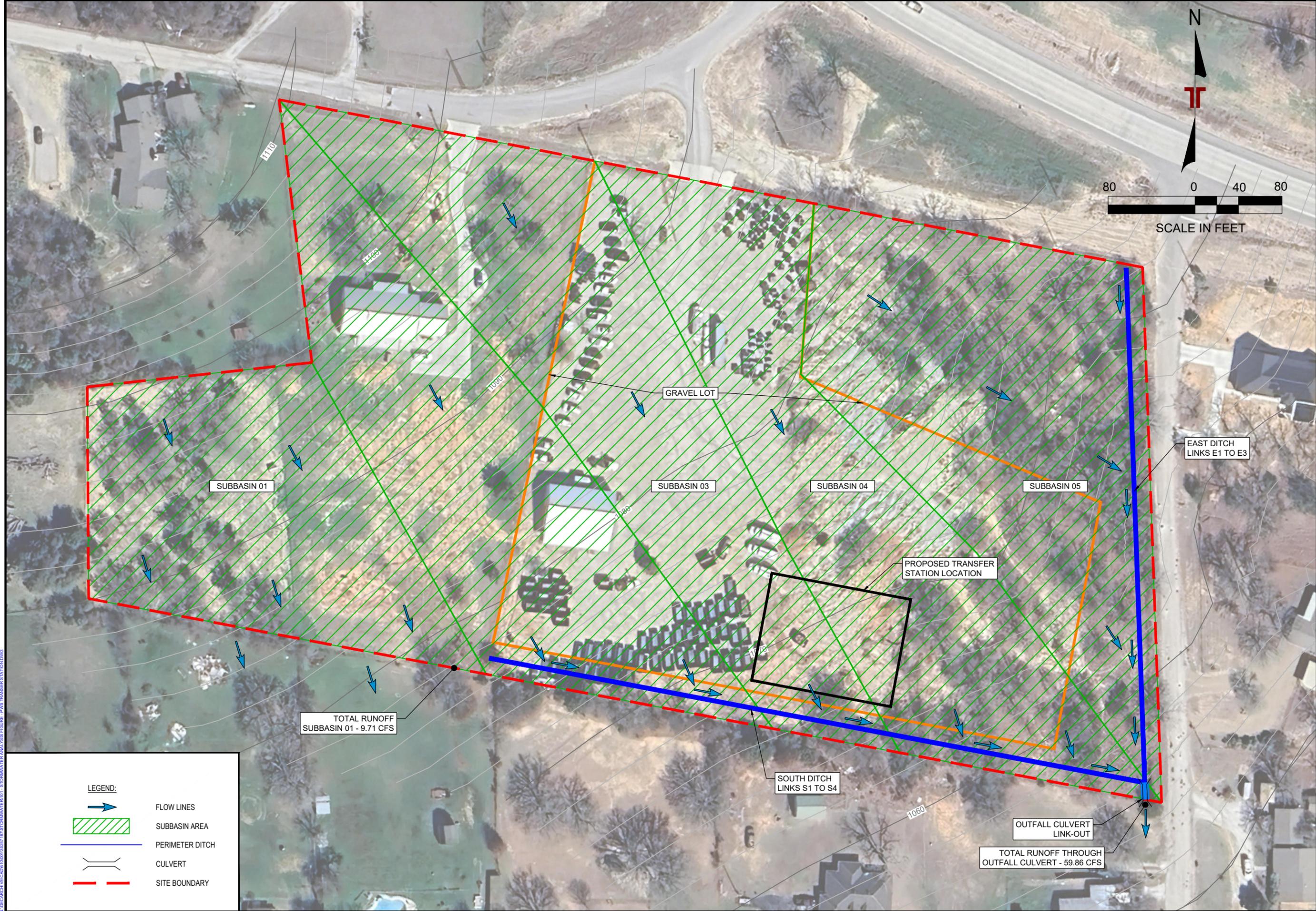
REV	DATE	BY	DESCRIPTION

STORMWATER ANALYSIS INITIAL CONDITIONS
 TRANSFER STATION PLANS
PARKER WASTE SERVICE LLC
 PARKER WASTE SERVICE
 PARKER COUNTY
 TEXAS


Ierracon
 Consulting Engineers and Scientists
 25609 I-30 SOUTH
 PH. (501) 847-9292
 BRYANT, AR 72022
 FAX. (501) 847-9210

EXHIBIT 1

DESIGNED BY:	DCM
DRAWN BY:	TLB
APPVD. BY:	DCM
SCALE:	SEE SCALE
DATE:	5/13/2025
JOB NO.:	610-001-35247187
ACAD NO.:	101
SHEET NO.:	- OF -



\\\GERRACON\GERRACON\0001\0001\STORMWATER\FIGURE - PWS TRANSFER STATION.DWG

LEGEND:

	FLOW LINES
	SUBBASIN AREA
	PERIMETER DITCH
	CULVERT
	SITE BOUNDARY

REV	DATE	BY	DESCRIPTION

SCALE IN FEET

STORMWATER ANALYSIS PROPOSED CONDITIONS
 TRANSFER STATION PLANS
PARKER WASTE SERVICE LLC
 PARKER WASTE SERVICE
 PARKER COUNTY
 TEXAS


Gerracon
 Consulting Engineers and Scientists
 25609 I-30 SOUTH
 PH. (501) 847-9292
 BRYANT, AR 72022
 FAX. (501) 847-9210

EXHIBIT 2

DESIGNED BY:	DCM
DRAWN BY:	TLB
APPVD. BY:	DCM
SCALE:	SEE SCALE
DATE:	5/13/2025
JOB NO.:	610-001-35247187
ACAD NO.:	101
SHEET NO.:	- OF -

PROJECT **Appendix A-1 - Parker Waste Services Transfer Station Permit**
: Application - Run-off Surface Water Management

PAGE: ^o
 f

JOB NO.: 35247187

DATE : May 2025

COMP. BY: TLB

CHECKED BY: DCM

Appendix A-1.b

Run-off Design Results

Storm and Sanitary Analysis Results

Project Description

File Name PWS TRANSFER STATION - SSA Initial Conditions

Project Options

Flow Units CFS
 Elevation Type Elevation
 Hydrology Method SCS TR-55
 Time of Concentration (TOC) Method SCS TR-55
 Link Routing Method Kinematic Wave
 Enable Overflow Ponding at Nodes YES
 Skip Steady State Analysis Time Periods NO

Analysis Options

Start Analysis On 00:00:00 0:00:00
 End Analysis On 00:00:00 0:00:00
 Start Reporting On 00:00:00 0:00:00
 Antecedent Dry Days 0 days
 Runoff (Dry Weather) Time Step 0 01:00:00 days hh:mm:ss
 Runoff (Wet Weather) Time Step 0 00:05:00 days hh:mm:ss
 Reporting Time Step 0 00:05:00 days hh:mm:ss
 Routing Time Step 30 seconds

Number of Elements

	Qty
Rain Gages	1
Subbasins.....	5
Nodes.....	5
<i>Junctions</i>	0
<i>Outfalls</i>	5
<i>Flow Diversions</i>	0
<i>Inlets</i>	0
<i>Storage Nodes</i>	0
Links.....	0
<i>Channels</i>	0
<i>Pipes</i>	0
<i>Pumps</i>	0
<i>Orifices</i>	0
<i>Weirs</i>	0
<i>Outlets</i>	0
Pollutants	0
Land Uses	0

Rainfall Details

SN	Rain Gage ID	Data Source	Data Source ID	Rainfall Type	Rain Units	State	County	Return Period (years)	Rainfall Depth (inches)	Rainfall Distribution
1	Rain Gage-01	Time Series	25YR-24HR	Cumulative	inches	Texas	Parker	25.00	7.30	SCS Type II 24-hr

Subbasin Summary

SN	Subbasin ID	Area (ac)	Peak Rate Factor	Weighted Curve Number	Total Rainfall (in)	Total Runoff (in)	Total Runoff Volume (ac-in)	Peak Runoff (cfs)	Time of Concentration (days hh:mm:ss)
1	Sub-01	1.55	484.00	77.00	7.30	4.64	7.17	9.71	0 00:10:43
2	Sub-02	1.98	484.00	81.73	7.30	5.17	10.23	15.20	0 00:06:28
3	Sub-03	2.09	484.00	84.35	7.30	5.47	11.44	16.91	0 00:06:18
4	Sub-04	1.99	484.00	84.06	7.30	5.43	10.84	15.66	0 00:07:11
5	Sub-05	2.26	484.00	78.61	7.30	4.82	10.91	15.07	0 00:09:34

Node Summary

SN	Element ID	Element Type	Invert Elevation (ft)	Ground/Rim (Max) Elevation (ft)	Initial Water Elevation (ft)	Surcharge Elevation (ft)	Ponded Area (ft ²)	Peak Inflow (cfs)	Max HGL Elevation (ft)	Max Surcharge Depth (ft)	Min Freeboard (ft)	Time of Peak Flooding (days hh:mm)	Total Flooded Volume (ac-in)	Total Time Flooded (min)
1	Out-01	Outfall	0.00					0.00	0.00					
2	Out-02	Outfall	0.00					0.00	0.00					
3	Out-03	Outfall	0.00					0.00	0.00					
4	Out-04	Outfall	0.00					0.00	0.00					
5	Out-05	Outfall	0.00					0.00	0.00					

Subbasin Hydrology

Subbasin : Sub-01

Input Data

Area (ac) 1.55
Peak Rate Factor 484
Weighted Curve Number 77
Rain Gage ID Rain Gage-01

Composite Curve Number

32	Area	Soil	Curve
Soil/Surface Description	(acres)	Group	Number
2 acre lots, 12% impervious	1.55	C	77
Composite Area & Weighted CN	1.55		77

Time of Concentration

TOC Method : SCS TR-55

Sheet Flow Equation :

$$T_c = (0.007 * ((n * L_f)^{0.8}) / ((P^{0.5}) * (S_f^{0.4})))$$

Where :

Tc = Time of Concentration (hr)
n = Manning's roughness
Lf = Flow Length (ft)
P = 2 yr, 24 hr Rainfall (inches)
Sf = Slope (ft/ft)

Shallow Concentrated Flow Equation :

V = 16.1345 * (Sf^{0.5}) (unpaved surface)
V = 20.3282 * (Sf^{0.5}) (paved surface)
V = 15.0 * (Sf^{0.5}) (grassed waterway surface)
V = 10.0 * (Sf^{0.5}) (nearly bare & untilled surface)
V = 9.0 * (Sf^{0.5}) (cultivated straight rows surface)
V = 7.0 * (Sf^{0.5}) (short grass pasture surface)
V = 5.0 * (Sf^{0.5}) (woodland surface)
V = 2.5 * (Sf^{0.5}) (forest w/heavy litter surface)
Tc = (Lf / V) / (3600 sec/hr)

Where:

Tc = Time of Concentration (hr)
Lf = Flow Length (ft)
V = Velocity (ft/sec)
Sf = Slope (ft/ft)

Channel Flow Equation :

V = (1.49 * (R^(2/3)) * (Sf^{0.5})) / n
R = Aq / Wp
Tc = (Lf / V) / (3600 sec/hr)

Where :

Tc = Time of Concentration (hr)
Lf = Flow Length (ft)
R = Hydraulic Radius (ft)
Aq = Flow Area (ft²)
Wp = Wetted Perimeter (ft)
V = Velocity (ft/sec)
Sf = Slope (ft/ft)
n = Manning's roughness

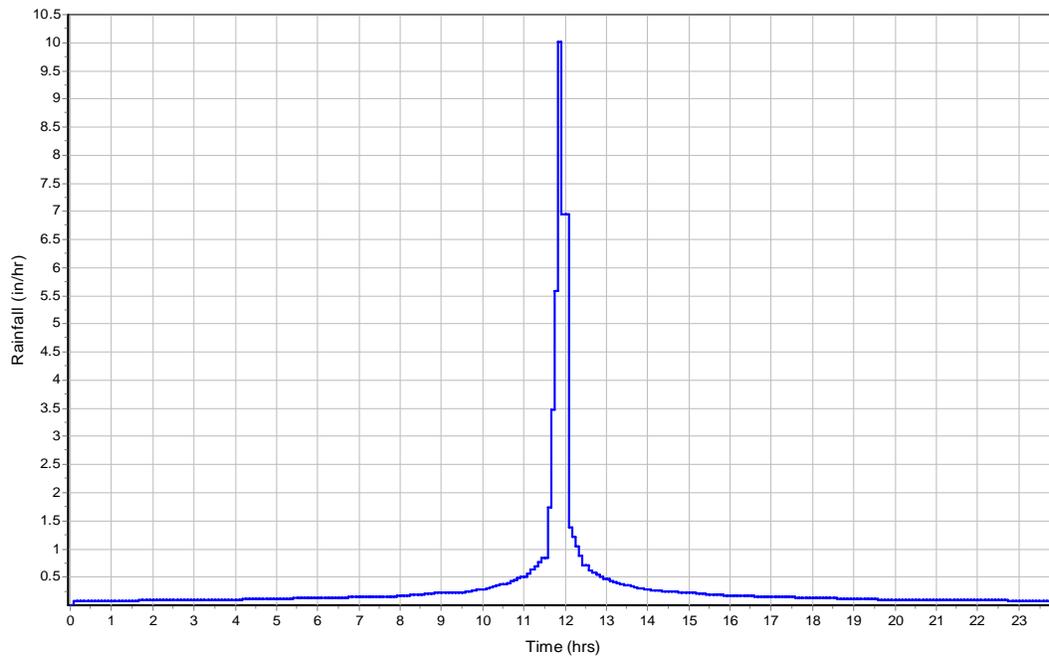
	Subarea	Subarea	Subarea
	A	B	C
Sheet Flow Computations			
Manning's Roughness :	0.3	0	0
Flow Length (ft) :	100	0	0
Slope (%) :	6.3	0	0
2 yr, 24 hr Rainfall (in) :	3.9	0	0
Velocity (ft/sec) :	0.17	0	0
Computed Flow Time (min) :	9.77	0	0
	Subarea	Subarea	Subarea
	A	B	C
Shallow Concentrated Flow Computations			
Flow Length (ft) :	231	0	0
Slope (%) :	6.3	0	0
Surface Type :	Unpaved	Unpaved	Unpaved
Velocity (ft/sec) :	4.05	0	0
Computed Flow Time (min) :	0.95	0	0
Total TOC (min)	10.72		

Subbasin Runoff Results

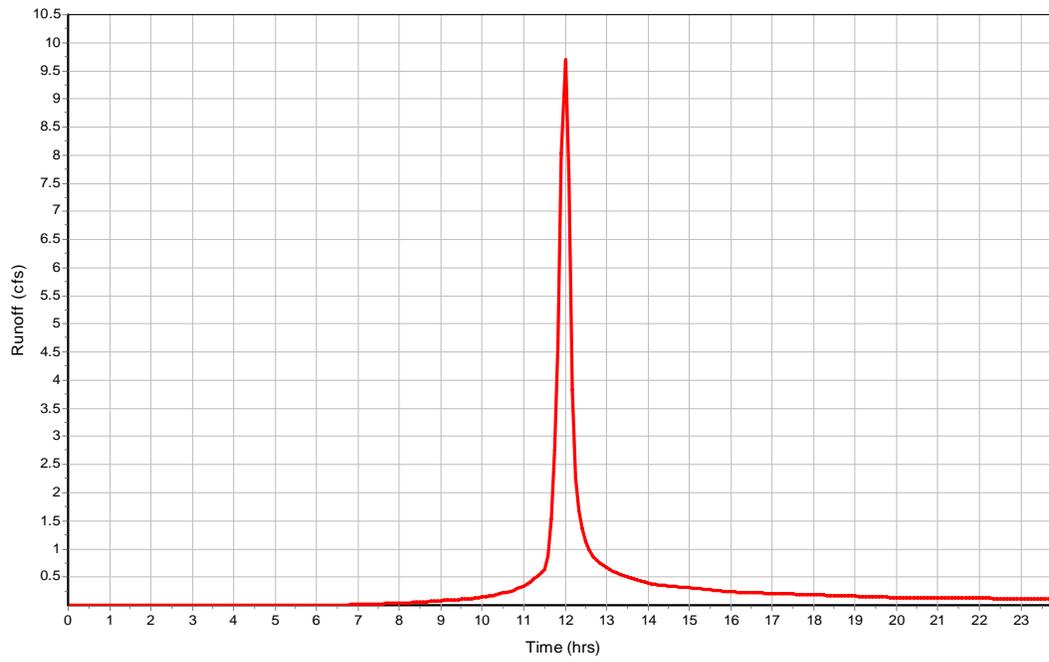
Total Rainfall (in)	7.3
Total Runoff (in)	4.64
Peak Runoff (cfs)	9.71
Weighted Curve Number	77
Time of Concentration (days hh:mm:ss)	0 00:10:43

Subbasin : Sub-01

Rainfall Intensity Graph



Runoff Hydrograph



Subbasin : Sub-02

Input Data

Area (ac) 1.98
 Peak Rate Factor 484
 Weighted Curve Number 81.73
 Rain Gage ID Rain Gage-01

Composite Curve Number

32	Area	Soil	Curve
Soil/Surface Description	(acres)	Group	Number
2 acre lots, 12% impervious	1.2	C	77
Gravel roads	0.78	C	89
Composite Area & Weighted CN	1.98		81.73

Time of Concentration

Sheet Flow Computations	Subarea	Subarea	Subarea
	A	B	C
Manning's Roughness :	0.3	0.015	0
Flow Length (ft) :	100	100	0
Slope (%) :	6.3	5.1	0
2 yr, 24 hr Rainfall (in) :	3.9	3.9	0
Velocity (ft/sec) :	0.17	1.72	0
Computed Flow Time (min) :	9.77	0.97	0

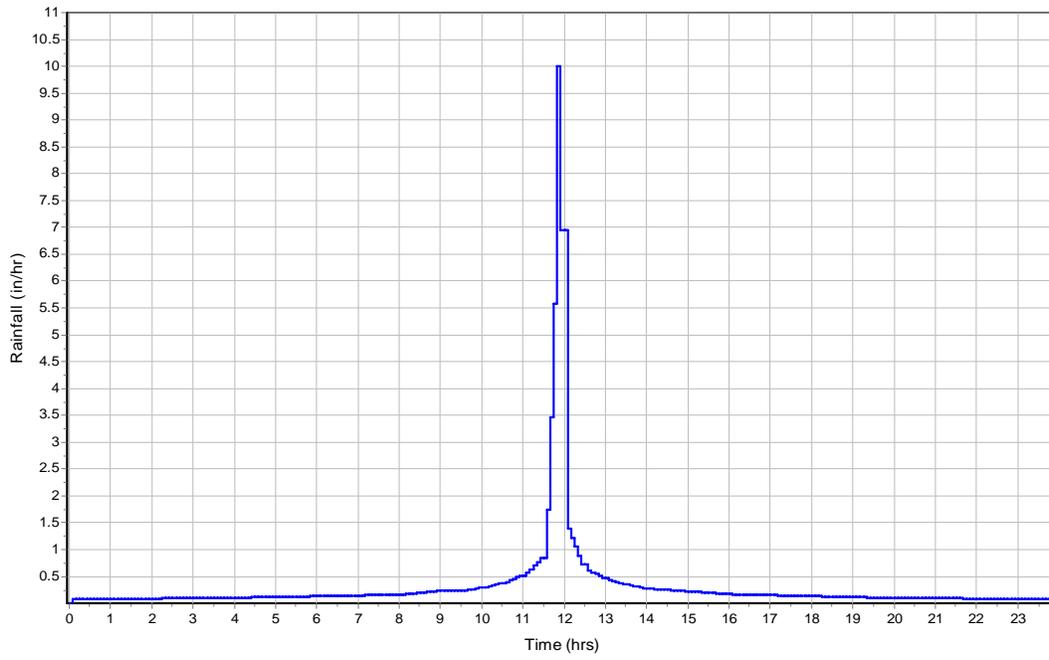
Shallow Concentrated Flow Computations	Subarea	Subarea	Subarea
	A	B	C
Flow Length (ft) :	231	273	0
Slope (%) :	6.3	5.1	0
Surface Type :	Unpaved	Unpaved	Unpaved
Velocity (ft/sec) :	4.05	3.64	0
Computed Flow Time (min) :	0.95	1.25	0
Total TOC (min)	6.47		

Subbasin Runoff Results

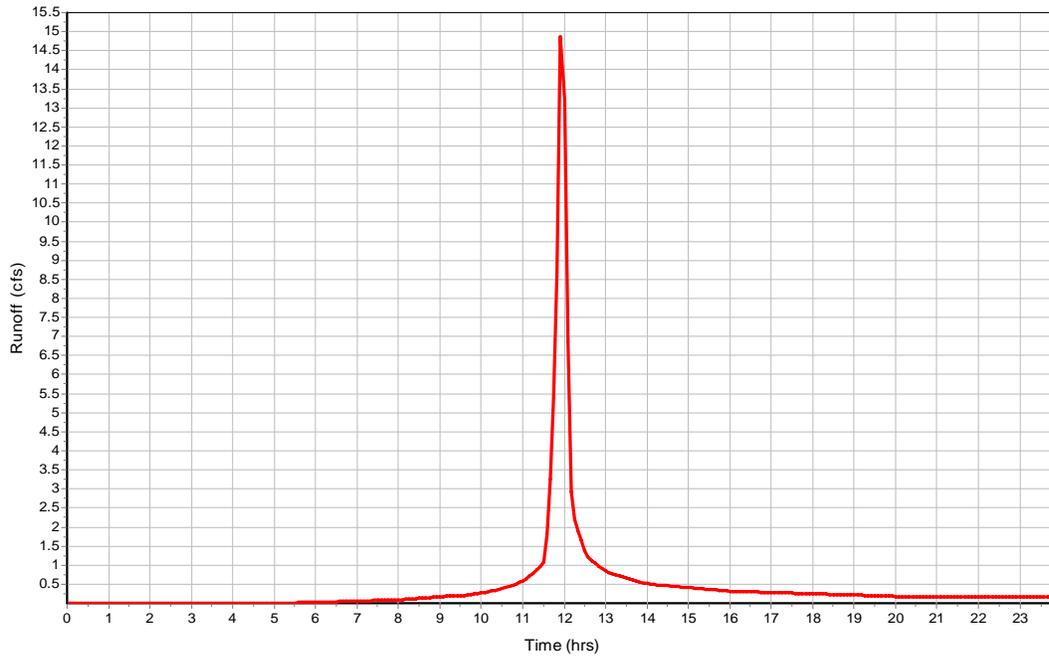
Total Rainfall (in) 7.3
 Total Runoff (in) 5.17
 Peak Runoff (cfs) 15.2
 Weighted Curve Number 81.73
 Time of Concentration (days hh:mm:ss) 0 00:06:28

Subbasin : Sub-02

Rainfall Intensity Graph



Runoff Hydrograph



Subbasin : Sub-03

Input Data

Area (ac) 2.09
 Peak Rate Factor 484
 Weighted Curve Number 84.35
 Rain Gage ID Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
32			
2 acre lots, 12% impervious	0.77	C	77
Gravel roads	1.09	C	89
Dirt roads	0.23	C	87
Composite Area & Weighted CN	2.09		84.35

Time of Concentration

Sheet Flow Computations	Subarea	Subarea	Subarea
	A	B	C
Manning's Roughness :	0.3	0.015	0.1
Flow Length (ft) :	100	100	100
Slope (%) :	6.3	5.1	5.1
2 yr, 24 hr Rainfall (in) :	3.9	3.9	3.9
Velocity (ft/sec) :	0.17	1.72	0.38
Computed Flow Time (min) :	9.77	0.97	4.41

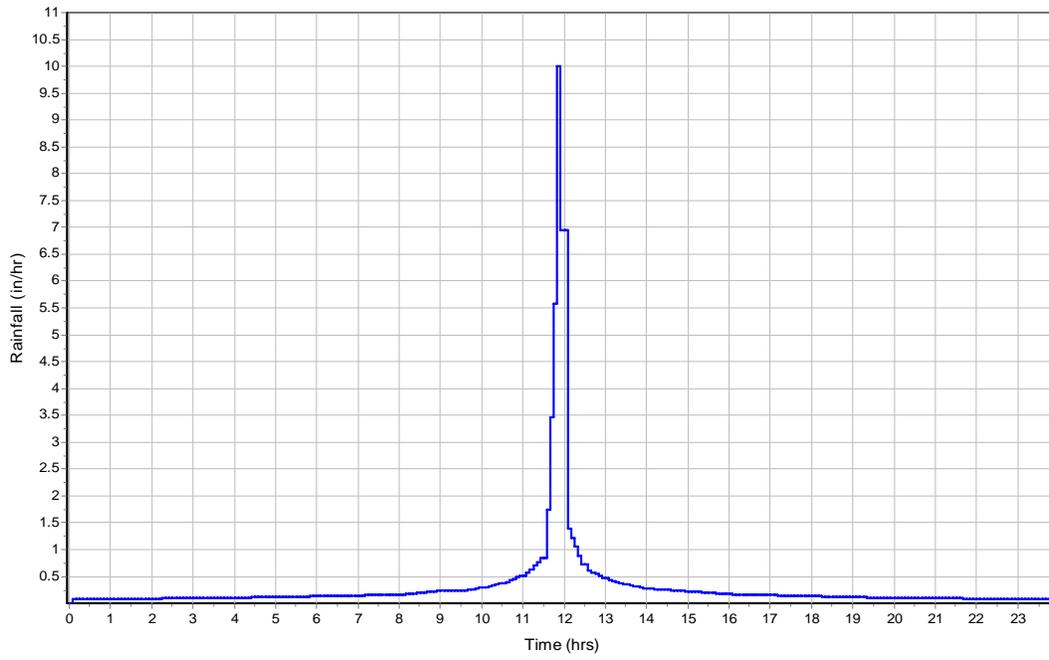
Shallow Concentrated Flow Computations	Subarea	Subarea	Subarea
	A	B	C
Flow Length (ft) :	231	504.54	115
Slope (%) :	6.3	5.1	5.1
Surface Type :	Unpaved	Unpaved	Unpaved
Velocity (ft/sec) :	4.05	3.64	3.64
Computed Flow Time (min) :	0.95	2.31	0.53
Total TOC (min)	6.31		

Subbasin Runoff Results

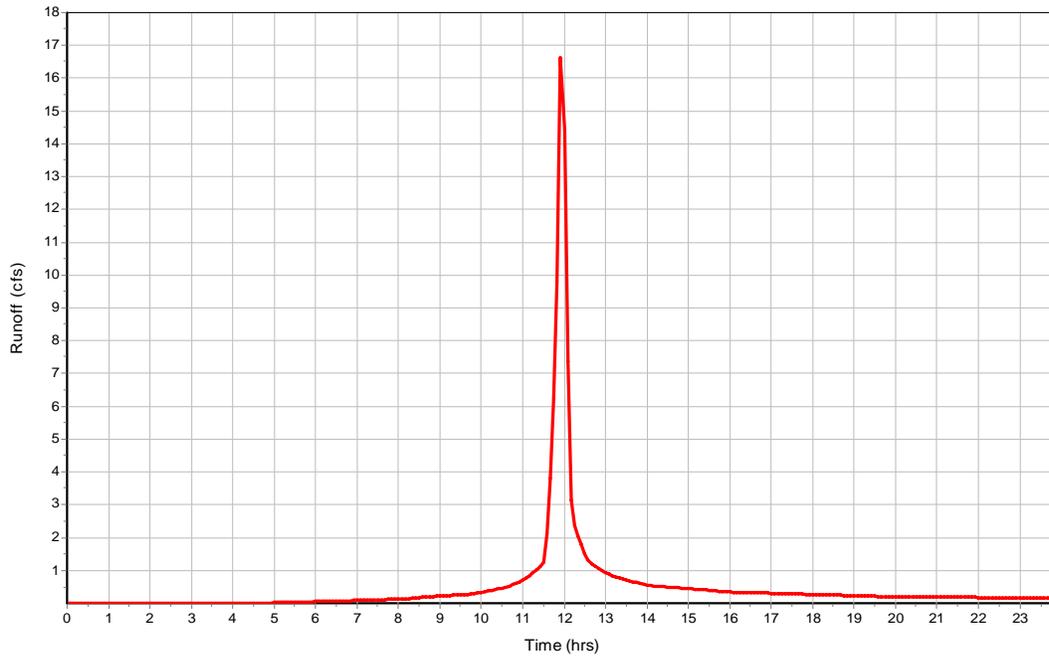
Total Rainfall (in) 7.3
 Total Runoff (in) 5.47
 Peak Runoff (cfs) 16.91
 Weighted Curve Number 84.35
 Time of Concentration (days hh:mm:ss) 0 00:06:19

Subbasin : Sub-03

Rainfall Intensity Graph



Runoff Hydrograph



Subbasin : Sub-04

Input Data

Area (ac) 1.99
 Peak Rate Factor 484
 Weighted Curve Number 84.06
 Rain Gage ID Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Gravel roads	0.75	C	89
Dirt roads	0.57	C	87
Woods & grass combination, Fair	0.67	C	76
Composite Area & Weighted CN	1.99		84.06

Time of Concentration

Sheet Flow Computations	Subarea	Subarea	Subarea
	A	B	C
Manning's Roughness :	0.015	0.1	0.4
Flow Length (ft) :	100	100	100
Slope (%) :	5.1	5.1	5.1
2 yr, 24 hr Rainfall (in) :	3.9	3.9	3.9
Velocity (ft/sec) :	1.72	0.38	0.12
Computed Flow Time (min) :	0.97	4.41	13.38

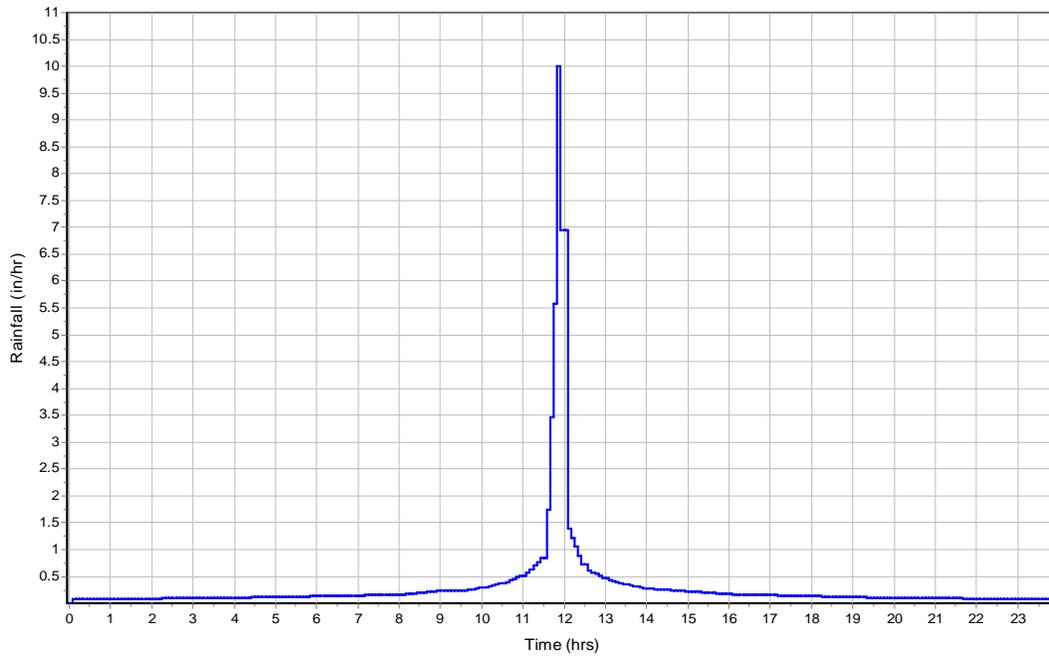
Shallow Concentrated Flow Computations	Subarea	Subarea	Subarea
	A	B	C
Flow Length (ft) :	302	130	182
Slope (%) :	5.1	5.1	5.1
Surface Type :	Unpaved	Unpaved	Unpaved
Velocity (ft/sec) :	3.64	3.64	3.64
Computed Flow Time (min) :	1.38	0.6	0.83
Total TOC (min)	7.19		

Subbasin Runoff Results

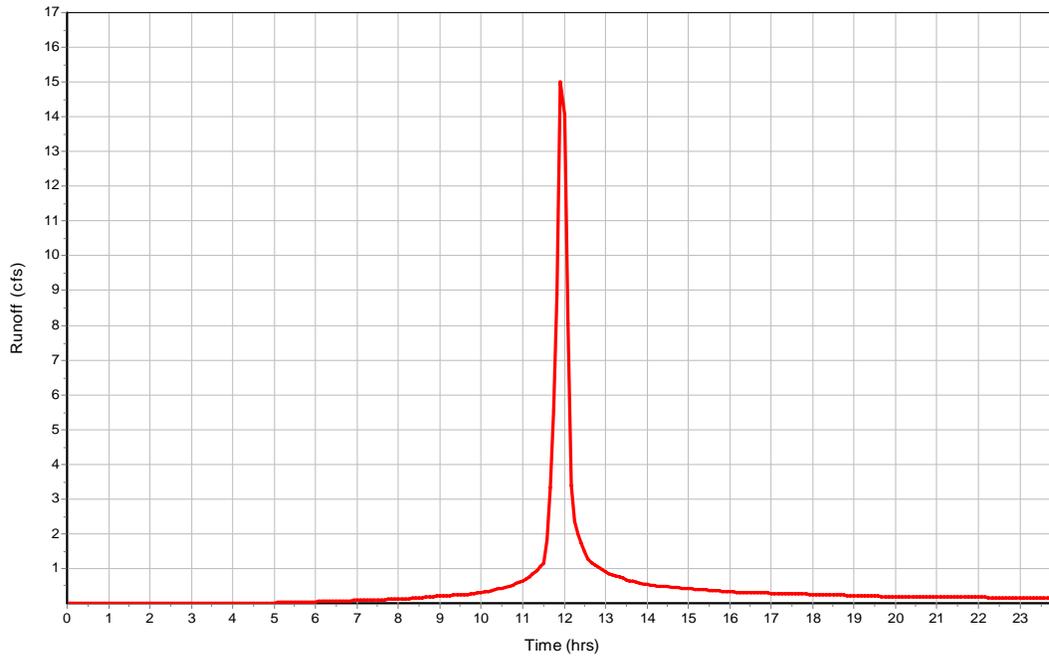
Total Rainfall (in) 7.3
 Total Runoff (in) 5.43
 Peak Runoff (cfs) 15.66
 Weighted Curve Number 84.06
 Time of Concentration (days hh:mm:ss) 0 00:07:11

Subbasin : Sub-04

Rainfall Intensity Graph



Runoff Hydrograph



Subbasin : Sub-05

Input Data

Area (ac) 2.26
 Peak Rate Factor 484
 Weighted Curve Number 78.61
 Rain Gage ID Rain Gage-01

Composite Curve Number

32	Area	Soil	Curve
Soil/Surface Description	(acres)	Group	Number
Dirt roads	0.54	C	87
Woods & grass combination, Fair	1.73	C	76
Composite Area & Weighted CN	2.27		78.61

Time of Concentration

Sheet Flow Computations	Subarea	Subarea	Subarea
	A	B	C
Manning's Roughness :	0.1	0.4	0
Flow Length (ft) :	100	100	0
Slope (%) :	5.1	5.1	0
2 yr, 24 hr Rainfall (in) :	3.9	3.9	0
Velocity (ft/sec) :	0.38	0.12	0
Computed Flow Time (min) :	4.41	13.38	0

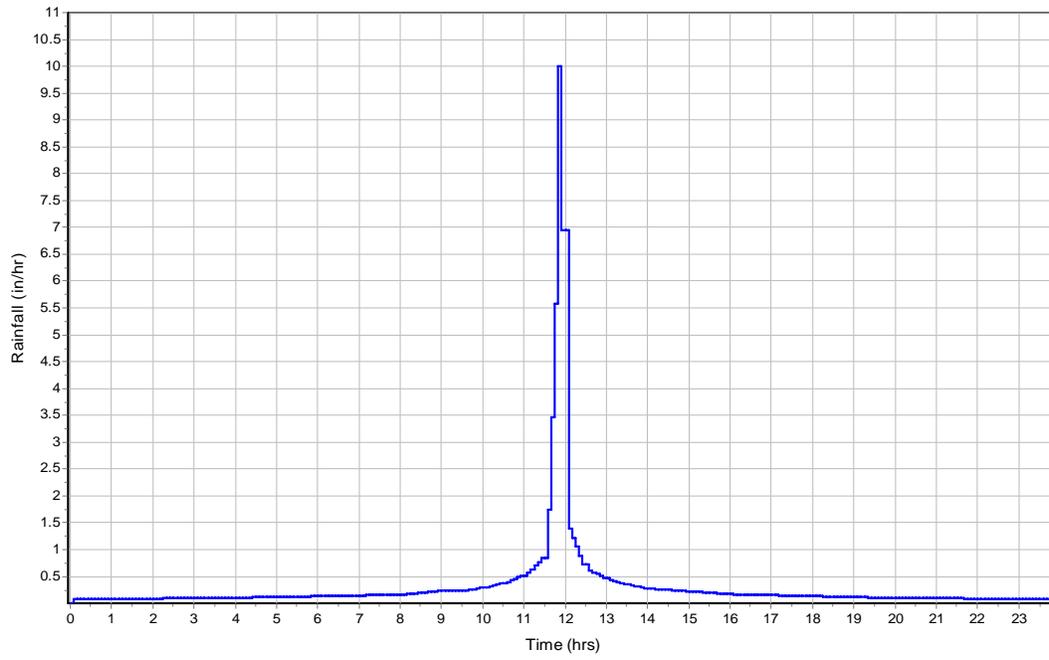
Shallow Concentrated Flow Computations	Subarea	Subarea	Subarea
	A	B	C
Flow Length (ft) :	73	225	0
Slope (%) :	5.1	5.1	0
Surface Type :	Unpaved	Unpaved	Unpaved
Velocity (ft/sec) :	3.64	3.64	0
Computed Flow Time (min) :	0.33	1.03	0
Total TOC (min)	9.58		

Subbasin Runoff Results

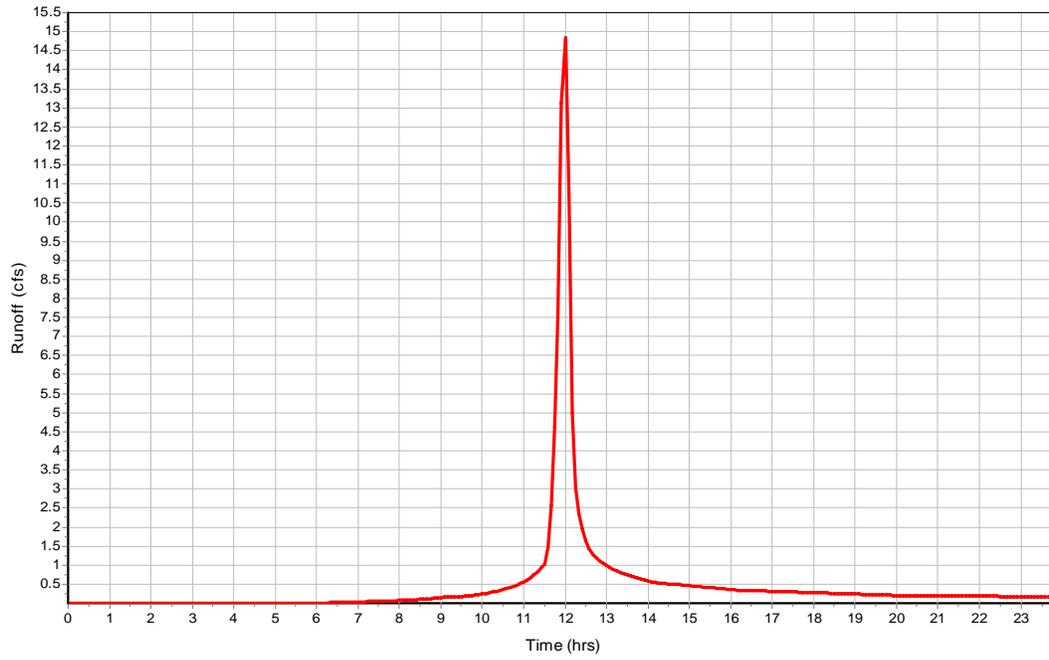
Total Rainfall (in) 7.3
 Total Runoff (in) 4.82
 Peak Runoff (cfs) 15.07
 Weighted Curve Number 78.61
 Time of Concentration (days hh:mm:ss) 0 00:09:35

Subbasin : Sub-05

Rainfall Intensity Graph



Runoff Hydrograph



Project Description

File Name PWS Transfer Station - SSA Proposed Conditions

Project Options

Flow Units CFS
 Elevation Type Elevation
 Hydrology Method SCS TR-55
 Time of Concentration (TOC) Method SCS TR-55
 Link Routing Method Kinematic Wave
 Enable Overflow Ponding at Nodes YES
 Skip Steady State Analysis Time Periods NO

Analysis Options

Start Analysis On 00:00:00 0:00:00
 End Analysis On 00:00:00 0:00:00
 Start Reporting On 00:00:00 0:00:00
 Antecedent Dry Days 0 days
 Runoff (Dry Weather) Time Step 0 01:00:00 days hh:mm:ss
 Runoff (Wet Weather) Time Step 0 00:05:00 days hh:mm:ss
 Reporting Time Step 0 00:05:00 days hh:mm:ss
 Routing Time Step 30 seconds

Number of Elements

	Qty
Rain Gages	1
Subbasins.....	5
Nodes.....	10
<i>Junctions</i>	8
<i>Outfalls</i>	2
<i>Flow Diversions</i>	0
<i>Inlets</i>	0
<i>Storage Nodes</i>	0
Links.....	8
<i>Channels</i>	7
<i>Pipes</i>	1
<i>Pumps</i>	0
<i>Orifices</i>	0
<i>Weirs</i>	0
<i>Outlets</i>	0
Pollutants	0
Land Uses	0

Rainfall Details

SN	Rain Gage ID	Data Source	Data Source ID	Rainfall Type	Rain Units	State	County	Return Period (years)	Rainfall Depth (inches)	Rainfall Distribution
1	Rain Gage-01	Time Series	25YR-24HR	Cumulative	inches	Texas	Parker	25.00	7.30	SCS Type II 24-hr

Subbasin Summary

SN	Subbasin ID	Area (ac)	Peak Rate Factor	Weighted Curve Number	Total Rainfall (in)	Total Runoff (in)	Total Runoff Volume (ac-in)	Peak Runoff (cfs)	Time of Concentration (days hh:mm:ss)
1	Sub-01	1.55	484.00	77.00	7.30	4.64	7.17	9.71	0 00:10:43
2	Sub-02	1.98	484.00	81.73	7.30	5.17	10.23	15.20	0 00:06:28
3	Sub-03	2.09	484.00	84.57	7.30	5.49	11.49	16.64	0 00:07:00
4	Sub-04	1.99	484.00	88.16	7.30	5.90	11.78	16.04	0 00:08:32
5	Sub-05	2.26	484.00	78.79	7.30	4.84	10.95	15.68	0 00:08:11

Node Summary

SN	Element ID	Element Type	Invert Elevation (ft)	Ground/Rim (Max) Elevation (ft)	Initial Water Elevation (ft)	Surcharge Elevation (ft)	Ponded Area (ft ²)	Peak Inflow (cfs)	Max HGL Elevation (ft)	Max Surcharge Depth (ft)	Min Freeboard (ft)	Time of Peak Flooding (days hh:mm)	Total Flooded Volume (ac-in)	Total Time Flooded (min)
1	1-Jun	Junction	1074.30	1076.80	0.00	1077.30	0.00	14.86	1075.15	0.00	1.65	0 00:00	0.00	0.00
2	2-Jun	Junction	1067.00	1069.50	0.00	1070.00	0.00	14.81	1067.93	0.00	1.57	0 00:00	0.00	0.00
3	3-Jun	Junction	1063.73	1066.23	0.00	1066.73	0.00	30.68	1065.01	0.00	1.22	0 00:00	0.00	0.00
4	4-Jun	Junction	1059.97	1062.47	0.00	1062.97	0.00	45.58	1061.52	0.00	1.48	0 00:00	0.00	0.00
5	5-Jun	Junction	1069.53	1072.03	0.00	1072.53	0.00	14.86	1070.32	0.00	1.71	0 00:00	0.00	0.00
6	6-Jun	Junction	1063.12	1065.62	0.00	1066.12	0.00	14.85	1064.11	0.00	1.51	0 00:00	0.00	0.00
7	7-Jun	Junction	1057.47	1060.97	0.00	1060.97	0.00	14.81	1058.46	0.00	2.51	0 00:00	0.00	0.00
8	8-Jun	Junction	1052.91	1056.91	0.00	1056.91	0.00	59.92	1055.28	0.00	1.63	0 00:00	0.00	0.00
9	Out-01	Outfall	1080.00					9.69	1080.00					
10	Out-05	Outfall	1053.21					59.86	1054.58					

Link Summary

SN ID	Element Type	From (Inlet) Node	To (Outlet) Node	Length (ft)	Inlet Invert Elevation (ft)	Outlet Invert Elevation (ft)	Average Slope (%)	Diameter or Height (in)	Manning's Roughness	Peak Flow (cfs)	Design Flow Capacity (cfs)	Peak Flow/Design Flow Ratio	Peak Flow Velocity (ft/sec)	Peak Flow Depth (ft)	Peak Flow Depth/Total Depth Ratio	Total Time Surcharged (min)	Reported Condition
1	Link-OUT Pipe	8-Jun	Out-05	20.00	1053.91	1053.21	3.5000	24.000	0.0150	59.86	73.36	0.82	13.02	1.35	0.69	0.00	Calculated
2	Link-E1 Channel	5-Jun	6-Jun	102.00	1069.53	1063.12	6.2800	30.000	0.0300	14.85	214.00	0.07	7.29	0.79	0.32	0.00	
3	Link-E2 Channel	6-Jun	7-Jun	243.00	1063.12	1057.47	2.3300	30.000	0.0300	14.81	130.17	0.11	5.08	0.99	0.40	0.00	
4	Link-E3 Channel	7-Jun	8-Jun	127.27	1057.47	1052.91	3.5800	30.000	0.0300	14.80	161.58	0.09	5.92	0.90	0.36	0.00	
5	Link-S1 Channel	1-Jun	2-Jun	163.00	1074.30	1067.00	4.4800	30.000	0.0300	14.81	180.65	0.08	6.44	0.85	0.34	0.00	
6	Link-S2 Channel	2-Jun	3-Jun	104.56	1067.00	1063.73	3.1300	30.000	0.0300	14.74	150.96	0.10	5.63	0.91	0.37	0.00	
7	Link-S3 Channel	3-Jun	4-Jun	120.20	1063.73	1059.97	3.1300	30.000	0.0300	30.66	150.98	0.20	6.76	1.27	0.51	0.00	
8	Link-S4 Channel	4-Jun	8-Jun	226.25	1060.00	1052.91	3.1300	36.000	0.0300	45.52	236.62	0.19	7.47	1.49	0.50	0.00	

Subbasin Hydrology

Subbasin : Sub-01

Input Data

Area (ac) 1.55
Peak Rate Factor 484
Weighted Curve Number 77
Rain Gage ID Rain Gage-01

Composite Curve Number

32	Area	Soil	Curve
Soil/Surface Description	(acres)	Group	Number
2 acre lots, 12% impervious	1.55	C	77
Composite Area & Weighted CN	1.55		77

Time of Concentration

TOC Method : SCS TR-55

Sheet Flow Equation :

$$T_c = (0.007 * ((n * L_f)^{0.8}) / ((P^{0.5}) * (S_f^{0.4})))$$

Where :

Tc = Time of Concentration (hr)
n = Manning's roughness
Lf = Flow Length (ft)
P = 2 yr, 24 hr Rainfall (inches)
Sf = Slope (ft/ft)

Shallow Concentrated Flow Equation :

V = 16.1345 * (Sf^{0.5}) (unpaved surface)
V = 20.3282 * (Sf^{0.5}) (paved surface)
V = 15.0 * (Sf^{0.5}) (grassed waterway surface)
V = 10.0 * (Sf^{0.5}) (nearly bare & untilled surface)
V = 9.0 * (Sf^{0.5}) (cultivated straight rows surface)
V = 7.0 * (Sf^{0.5}) (short grass pasture surface)
V = 5.0 * (Sf^{0.5}) (woodland surface)
V = 2.5 * (Sf^{0.5}) (forest w/heavy litter surface)
Tc = (Lf / V) / (3600 sec/hr)

Where:

Tc = Time of Concentration (hr)
Lf = Flow Length (ft)
V = Velocity (ft/sec)
Sf = Slope (ft/ft)

Channel Flow Equation :

V = (1.49 * (R^{2/3}) * (Sf^{0.5})) / n
R = Aq / Wp
Tc = (Lf / V) / (3600 sec/hr)

Where :

Tc = Time of Concentration (hr)
Lf = Flow Length (ft)
R = Hydraulic Radius (ft)
Aq = Flow Area (ft²)
Wp = Wetted Perimeter (ft)
V = Velocity (ft/sec)
Sf = Slope (ft/ft)
n = Manning's roughness

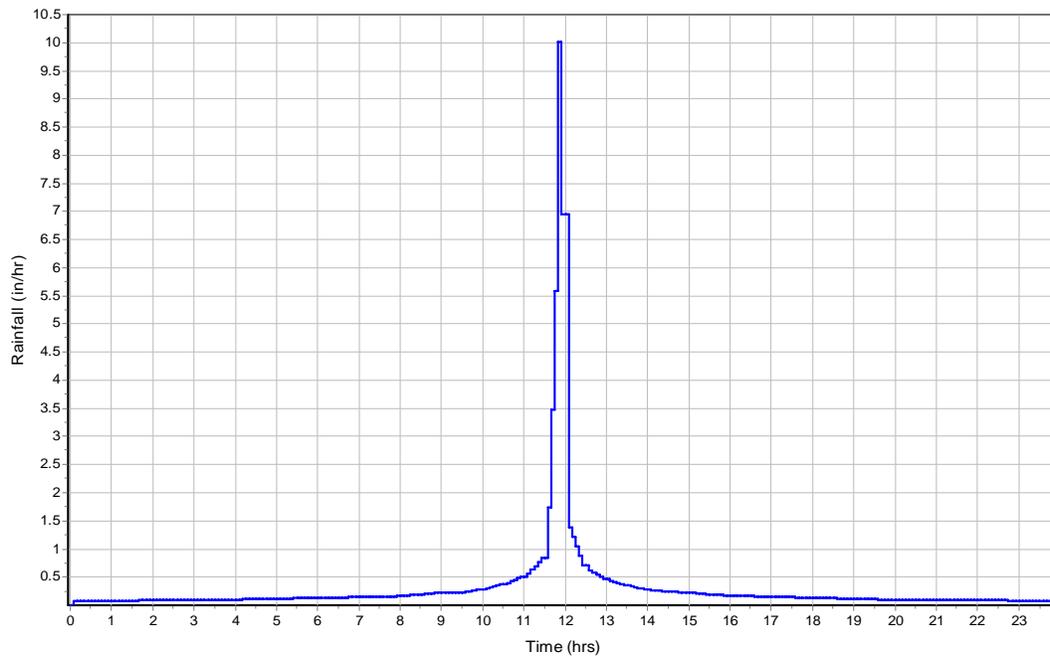
	Subarea	Subarea	Subarea
	A	B	C
Sheet Flow Computations			
Manning's Roughness :	0.3	0	0
Flow Length (ft) :	100	0	0
Slope (%) :	6.3	0	0
2 yr, 24 hr Rainfall (in) :	3.9	0	0
Velocity (ft/sec) :	0.17	0	0
Computed Flow Time (min) :	9.77	0	0
	Subarea	Subarea	Subarea
	A	B	C
Shallow Concentrated Flow Computations			
Flow Length (ft) :	231	0	0
Slope (%) :	6.3	0	0
Surface Type :	Unpaved	Unpaved	Unpaved
Velocity (ft/sec) :	4.05	0	0
Computed Flow Time (min) :	0.95	0	0
Total TOC (min)	10.72		

Subbasin Runoff Results

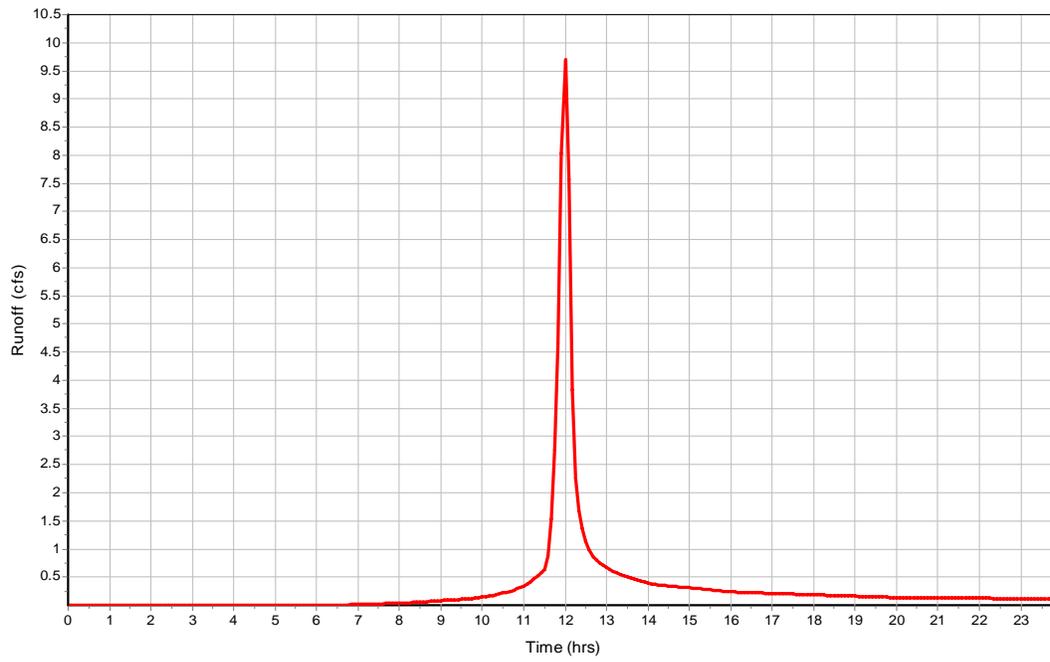
Total Rainfall (in)	7.3
Total Runoff (in)	4.64
Peak Runoff (cfs)	9.71
Weighted Curve Number	77
Time of Concentration (days hh:mm:ss)	0 00:10:43

Subbasin : Sub-01

Rainfall Intensity Graph



Runoff Hydrograph



Subbasin : Sub-02

Input Data

Area (ac) 1.98
 Peak Rate Factor 484
 Weighted Curve Number 81.73
 Rain Gage ID Rain Gage-01

Composite Curve Number

32	Area	Soil	Curve
Soil/Surface Description	(acres)	Group	Number
2 acre lots, 12% impervious	1.2	C	77
Gravel roads	0.78	C	89
Composite Area & Weighted CN	1.98		81.73

Time of Concentration

Sheet Flow Computations	Subarea	Subarea	Subarea
	A	B	C
Manning's Roughness :	0.3	0.015	0
Flow Length (ft) :	100	100	0
Slope (%) :	6.3	5.1	0
2 yr, 24 hr Rainfall (in) :	3.9	3.9	0
Velocity (ft/sec) :	0.17	1.72	0
Computed Flow Time (min) :	9.77	0.97	0

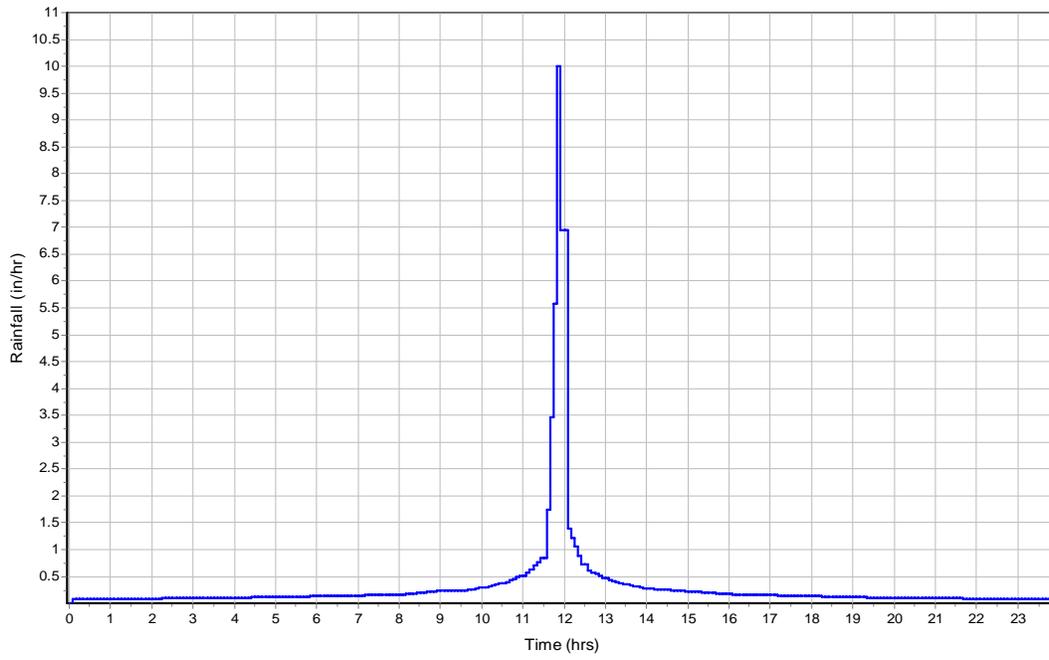
Shallow Concentrated Flow Computations	Subarea	Subarea	Subarea
	A	B	C
Flow Length (ft) :	231	273	0
Slope (%) :	6.3	5.1	0
Surface Type :	Unpaved	Unpaved	Unpaved
Velocity (ft/sec) :	4.05	3.64	0
Computed Flow Time (min) :	0.95	1.25	0
Total TOC (min)	6.47		

Subbasin Runoff Results

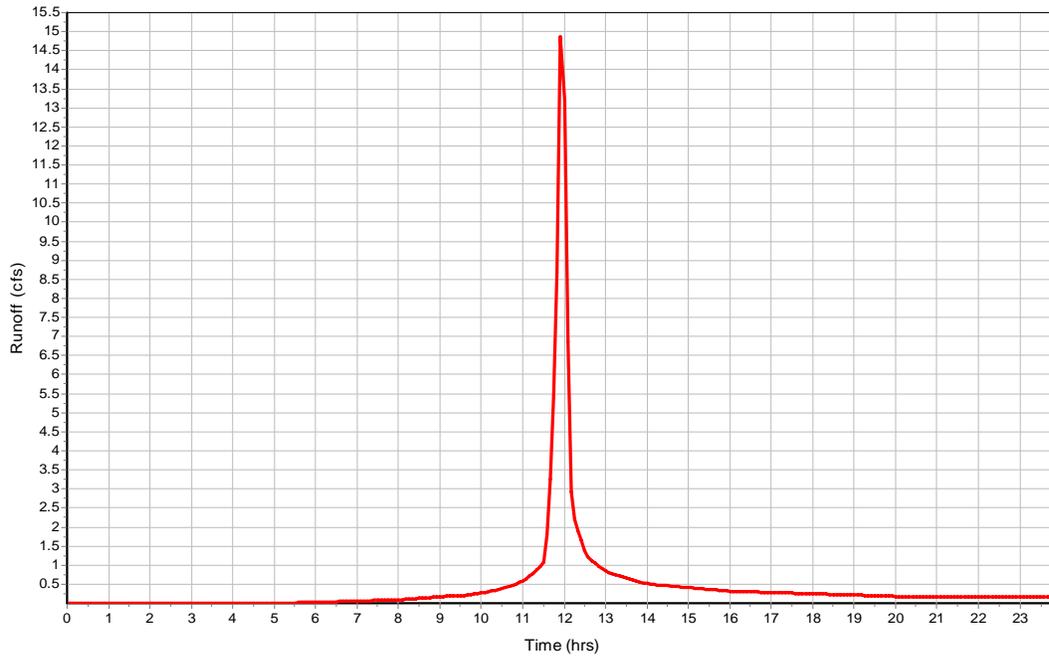
Total Rainfall (in) 7.3
 Total Runoff (in) 5.17
 Peak Runoff (cfs) 15.2
 Weighted Curve Number 81.73
 Time of Concentration (days hh:mm:ss) 0 00:06:28

Subbasin : Sub-02

Rainfall Intensity Graph



Runoff Hydrograph



Subbasin : Sub-03

Input Data

Area (ac) 2.09
 Peak Rate Factor 484
 Weighted Curve Number 84.57
 Rain Gage ID Rain Gage-01

Composite Curve Number

32	Area	Soil	Curve
Soil/Surface Description	(acres)	Group	Number
2 acre lots, 12% impervious	0.77	C	77
Gravel roads	1.32	C	89
Composite Area & Weighted CN	2.09		84.57

Time of Concentration

Sheet Flow Computations	Subarea	Subarea	Subarea
	A	B	C
Manning's Roughness :	0.3	0.015	0
Flow Length (ft) :	100	100	0
Slope (%) :	6.3	5.1	0
2 yr, 24 hr Rainfall (in) :	3.9	3.9	0
Velocity (ft/sec) :	0.17	1.72	0
Computed Flow Time (min) :	9.77	0.97	0

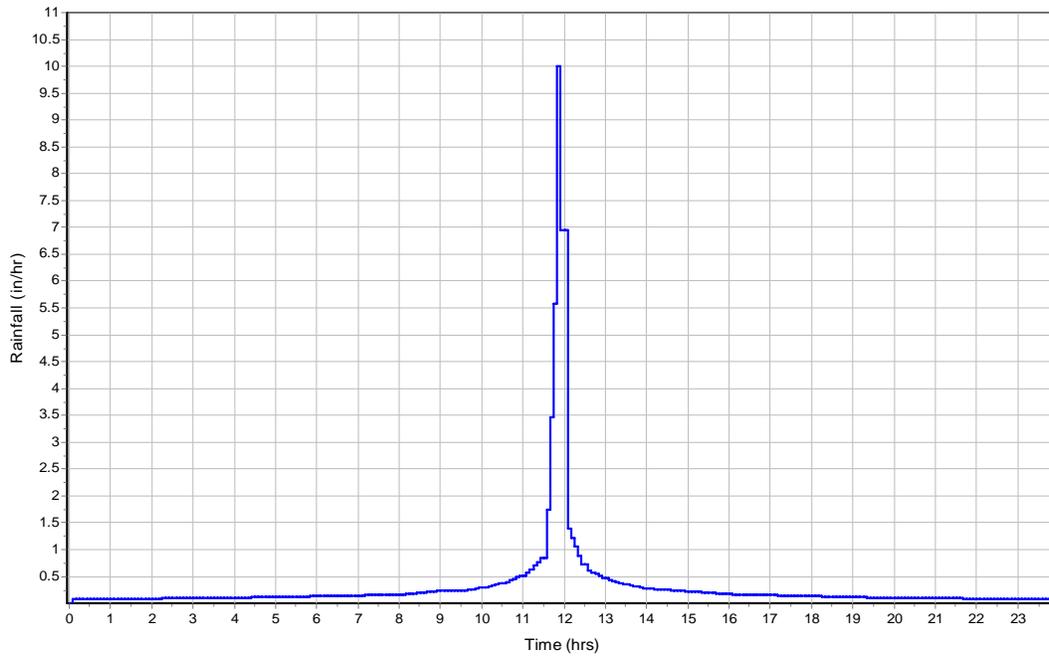
Shallow Concentrated Flow Computations	Subarea	Subarea	Subarea
	A	B	C
Flow Length (ft) :	231	504.54	0
Slope (%) :	6.3	5.1	0
Surface Type :	Unpaved	Unpaved	Unpaved
Velocity (ft/sec) :	4.05	3.64	0
Computed Flow Time (min) :	0.95	2.31	0
Total TOC (min)	7.00		

Subbasin Runoff Results

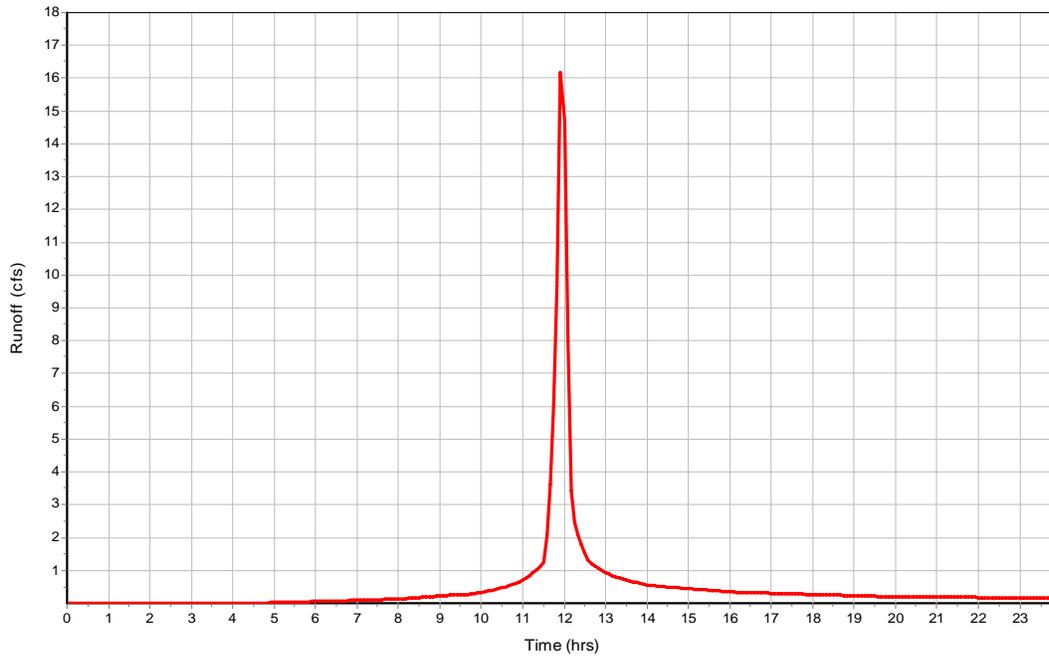
Total Rainfall (in) 7.3
 Total Runoff (in) 5.49
 Peak Runoff (cfs) 16.64
 Weighted Curve Number 84.57
 Time of Concentration (days hh:mm:ss) 0 00:07:00

Subbasin : Sub-03

Rainfall Intensity Graph



Runoff Hydrograph



Subbasin : Sub-04

Input Data

Area (ac) 1.99
 Peak Rate Factor 484
 Weighted Curve Number 88.16
 Rain Gage ID Rain Gage-01

Composite Curve Number

Soil/Surface Description	Area (acres)	Soil Group	Curve Number
Gravel roads	1.85	C	89
Woods & grass combination, Fair	0.13	C	76
Composite Area & Weighted CN	1.98		88.16

Time of Concentration

Sheet Flow Computations	Subarea A	Subarea B	Subarea C
	Manning's Roughness :	0.015	0.4
Flow Length (ft) :	100	100	0
Slope (%) :	5.1	5.1	0
2 yr, 24 hr Rainfall (in) :	3.9	3.9	0
Velocity (ft/sec) :	1.72	0.12	0
Computed Flow Time (min) :	0.97	13.38	0

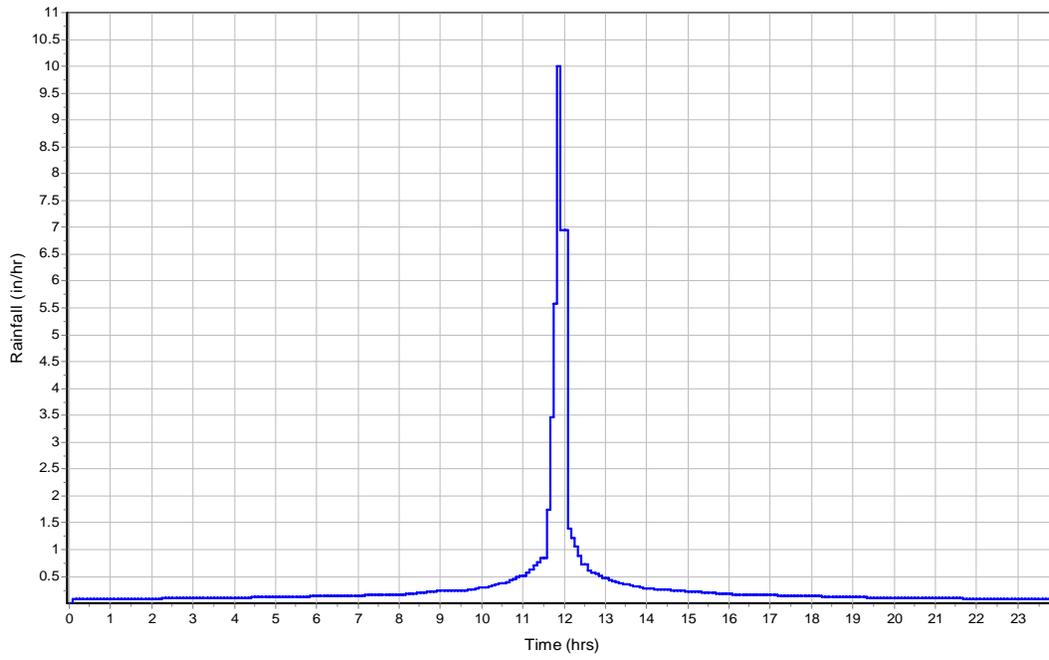
Shallow Concentrated Flow Computations	Subarea A	Subarea B	Subarea C
	Flow Length (ft) :	520.2	78.71
Slope (%) :	5.1	5.1	0
Surface Type :	Unpaved	Unpaved	Unpaved
Velocity (ft/sec) :	3.64	3.64	0
Computed Flow Time (min) :	2.38	0.36	0
Total TOC (min)	8.54		

Subbasin Runoff Results

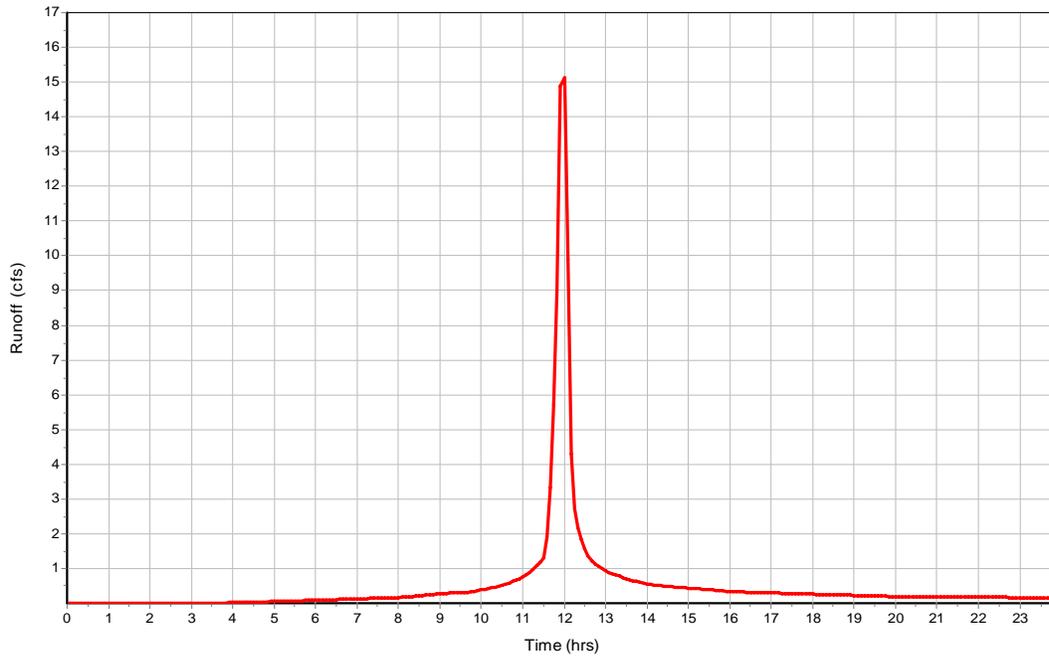
Total Rainfall (in) 7.3
 Total Runoff (in) 5.9
 Peak Runoff (cfs) 16.04
 Weighted Curve Number 88.16
 Time of Concentration (days hh:mm:ss) 0 00:08:32

Subbasin : Sub-04

Rainfall Intensity Graph



Runoff Hydrograph



Subbasin : Sub-05

Input Data

Area (ac) 2.26
 Peak Rate Factor 484
 Weighted Curve Number 78.79
 Rain Gage ID Rain Gage-01

Composite Curve Number

32	Area	Soil	Curve
Soil/Surface Description	(acres)	Group	Number
Gravel roads	0.49	C	89
Woods & grass combination, Fair	1.78	C	76
Composite Area & Weighted CN	2.27		78.79

Time of Concentration

Sheet Flow Computations	Subarea	Subarea	Subarea
	A	B	C
Manning's Roughness :	0.015	0.4	0
Flow Length (ft) :	100	100	0
Slope (%) :	5.1	5.1	0
2 yr, 24 hr Rainfall (in) :	3.9	3.9	0
Velocity (ft/sec) :	1.72	0.12	0
Computed Flow Time (min) :	0.97	13.38	0

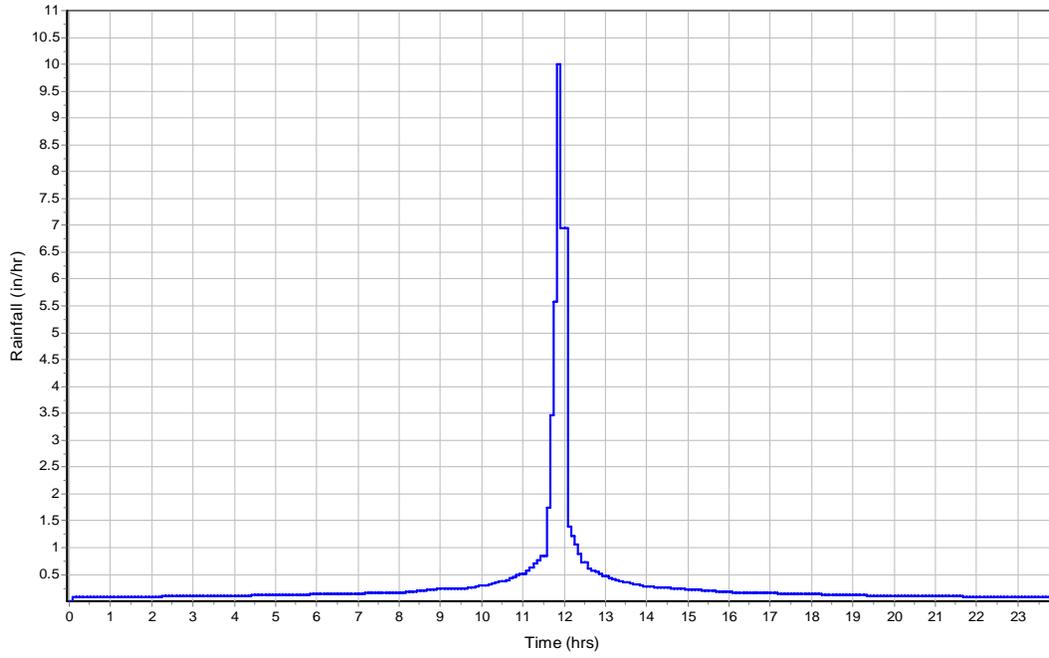
Shallow Concentrated Flow Computations	Subarea	Subarea	Subarea
	A	B	C
Flow Length (ft) :	195.4	250.16	0
Slope (%) :	5.1	5.1	0
Surface Type :	Unpaved	Unpaved	Unpaved
Velocity (ft/sec) :	3.64	3.64	0
Computed Flow Time (min) :	0.89	1.15	0
Total TOC (min)	8.19		

Subbasin Runoff Results

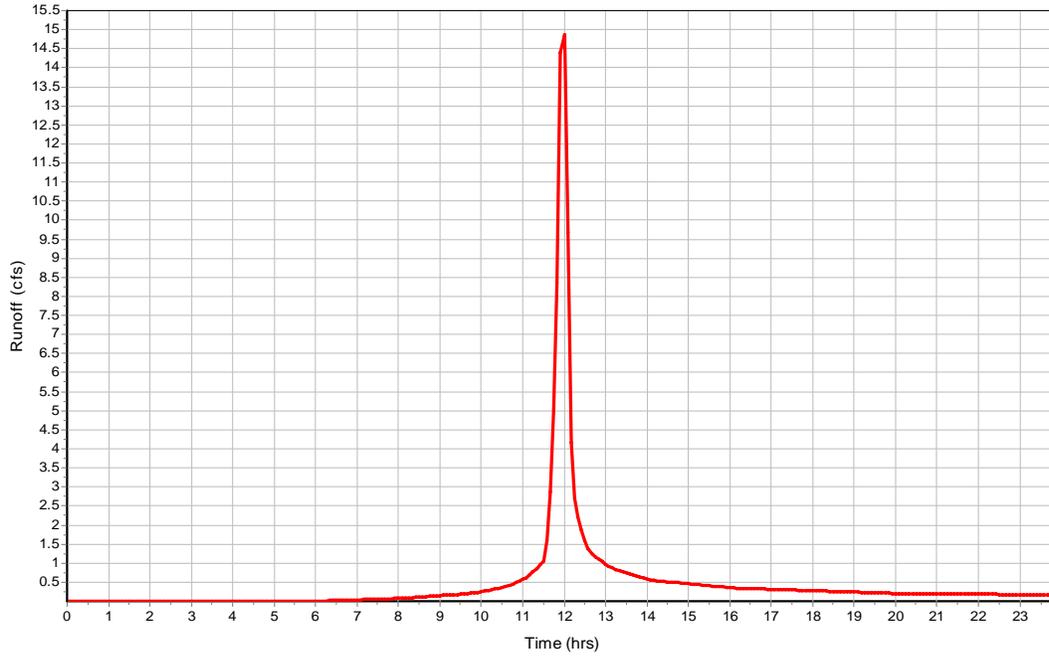
Total Rainfall (in) 7.3
 Total Runoff (in) 4.84
 Peak Runoff (cfs) 15.68
 Weighted Curve Number 78.79
 Time of Concentration (days hh:mm:ss) 0 00:08:11

Subbasin : Sub-05

Rainfall Intensity Graph



Runoff Hydrograph



Junction Input

SN	Element ID	Invert Elevation (ft)	Ground/Rim (Max) Elevation (ft)	Ground/Rim (Max) Offset (ft)	Initial Water Elevation (ft)	Initial Water Depth (ft)	Surcharge Elevation (ft)	Surcharge Depth (ft)	Ponded Area (ft ²)	Minimum Pipe Cover (in)
1	1-Jun	1074.30	1076.80	2.50	0.00	-1074.30	1077.30	0.50	0.00	0.00
2	2-Jun	1067.00	1069.50	2.50	0.00	-1067.00	1070.00	0.50	0.00	0.00
3	3-Jun	1063.73	1066.23	2.50	0.00	-1063.73	1066.73	0.50	0.00	0.00
4	4-Jun	1059.97	1062.47	2.50	0.00	-1059.97	1062.97	0.50	0.00	0.00
5	5-Jun	1069.53	1072.03	2.50	0.00	-1069.53	1072.53	0.50	0.00	0.00
6	6-Jun	1063.12	1065.62	2.50	0.00	-1063.12	1066.12	0.50	0.00	0.00
7	7-Jun	1057.47	1060.97	3.50	0.00	-1057.47	1060.97	0.00	0.00	0.00
8	8-Jun	1052.91	1056.91	4.00	0.00	-1052.91	1056.91	0.00	0.00	0.00

Junction Results

SN	Element ID	Peak Inflow	Peak Lateral Inflow	Max HGL Elevation	Max HGL Depth	Max Surcharge Depth	Min Freeboard	Average HGL Elevation	Average HGL Depth	Time of Max HGL Occurrence	Time of Peak Flooding Occurrence	Total Flooded Volume	Total Time Flooded
		(cfs)	(cfs)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(days hh:mm)	(days hh:mm)	(ac-in)	(min)
1	1-Jun	14.86	14.86	1075.15	0.85	0.00	1.65	1074.39	0.09	0 12:00	0 00:00	0.00	0.00
2	2-Jun	14.81	0.00	1067.93	0.93	0.00	1.57	1067.10	0.10	0 12:00	0 00:00	0.00	0.00
3	3-Jun	30.68	16.16	1065.01	1.28	0.00	1.22	1063.89	0.16	0 12:00	0 00:00	0.00	0.00
4	4-Jun	45.58	15.14	1061.52	1.55	0.00	1.48	1060.20	0.23	0 12:01	0 00:00	0.00	0.00
5	5-Jun	14.86	14.86	1070.32	0.79	0.00	1.71	1069.62	0.09	0 12:05	0 00:00	0.00	0.00
6	6-Jun	14.85	0.00	1064.11	0.99	0.00	1.51	1063.24	0.12	0 12:05	0 00:00	0.00	0.00
7	7-Jun	14.81	0.00	1058.46	0.99	0.00	2.51	1057.59	0.12	0 12:05	0 00:00	0.00	0.00
8	8-Jun	59.92	0.00	1055.28	2.37	0.00	1.63	1054.07	1.16	0 12:01	0 00:00	0.00	0.00

Channel Input

SN	Element ID	Length	Inlet Invert Elevation (ft)	Inlet Invert Offset (ft)	Outlet Invert Elevation (ft)	Outlet Invert Offset (ft)	Total Drop (ft)	Average Slope (%)	Shape	Height (ft)	Width (ft)	Manning's Roughness	Entrance Losses	Exit/Bend Losses	Additional Losses	Initial Flow (cfs)	Flap Gate
1	Link-E1	102.00	1069.53	0.00	1063.12	0.00	6.41	6.2800	Trapezoidal	2.500	11.000	0.0300	0.5000	0.5000	0.0000	0.00	No
2	Link-E2	243.00	1063.12	0.00	1057.47	0.00	5.65	2.3300	Trapezoidal	2.500	11.000	0.0300	0.5000	0.5000	0.0000	0.00	No
3	Link-E3	127.27	1057.47	0.00	1052.91	0.00	4.56	3.5800	Trapezoidal	2.500	11.000	0.0300	0.5000	0.5000	0.0000	0.00	No
4	Link-S1	163.00	1074.30	0.00	1067.00	0.00	7.30	4.4800	Trapezoidal	2.500	11.000	0.0300	0.5000	0.5000	0.0000	0.00	No
5	Link-S2	104.56	1067.00	0.00	1063.73	0.00	3.27	3.1300	Trapezoidal	2.500	11.000	0.0300	0.5000	0.5000	0.0000	0.00	No
6	Link-S3	120.20	1063.73	0.00	1059.97	0.00	3.76	3.1300	Trapezoidal	2.500	11.000	0.0300	0.5000	0.5000	0.0000	0.00	No
7	Link-S4	226.25	1060.00	0.03	1052.91	0.00	7.09	3.1300	Trapezoidal	3.000	13.000	0.0300	0.5000	0.5000	0.0000	0.00	No

Channel Results

SN	Element ID	Peak Flow	Time of Peak Flow Occurrence	Design Flow Capacity	Peak Flow/ Design Flow Ratio	Peak Flow Velocity	Travel Time	Peak Flow Depth	Peak Flow Depth/ Total Depth Ratio	Total Time Surcharged	Froude Number	Reported Condition
		(cfs)	(days hh:mm)	(cfs)		(ft/sec)	(min)	(ft)		(min)		
1	Link-E1	14.85	0 12:05	214.00	0.07	7.29	0.23	0.79	0.32	0.00		
2	Link-E2	14.81	0 12:05	130.17	0.11	5.08	0.80	0.99	0.40	0.00		
3	Link-E3	14.80	0 12:05	161.58	0.09	5.92	0.36	0.90	0.36	0.00		
4	Link-S1	14.81	0 12:00	180.65	0.08	6.44	0.42	0.85	0.34	0.00		
5	Link-S2	14.74	0 12:01	150.96	0.10	5.63	0.31	0.91	0.37	0.00		
6	Link-S3	30.66	0 12:01	150.98	0.20	6.76	0.30	1.27	0.51	0.00		
7	Link-S4	45.52	0 12:01	236.62	0.19	7.47	0.50	1.49	0.50	0.00		

Pipe Input

SN Element ID	Length (ft)	Inlet Invert Elevation (ft)	Inlet Invert Offset (ft)	Outlet Invert Elevation (ft)	Outlet Invert Offset (ft)	Total Drop (ft)	Average Slope (%)	Pipe Shape	Pipe Diameter or Height (in)	Pipe Width (in)	Manning's Roughness	Entrance Losses	Exit/Bend Losses	Additional Losses	Initial Flow (cfs)	Flap Gate	No. of Barrels
1 Link-OUT	20.00	1053.91	1.00	1053.21	0.00	0.70	3.5000	CIRCULAR	24.000	24.000	0.0150	0.5000	0.5000	0.0000	0.00	No	2

Pipe Results

SN Element ID	Peak Flow	Time of Peak Flow Occurrence	Design Flow Capacity	Peak Flow/ Design Flow Ratio	Peak Flow Velocity	Travel Time	Peak Flow Depth	Peak Flow Depth/ Total Depth Ratio	Total Time Surcharged	Froude Number	Reported Condition
	(cfs)	(days hh:mm)	(cfs)		(ft/sec)	(min)	(ft)		(min)		
1 Link-OUT	59.86	0 12:01	73.36	0.82	13.02	0.03	1.35	0.69	0.00		Calculated

ATTACHMENT B
Closure Plan

Type V Permit Application

Part III

Site Development Plan

Attachment B – Closure Plan

Parker Waste Services Transfer Station

Parker County, Texas

TCEQ Permit No. MSW-TBD

Prepared for:



Parker Waste Services LLC

PO Box 2047

Weatherford, Texas 76085



Nationwide
Terracon.com

- Facilities
- Environmental
- Geotechnical
- Materials

Table of Contents

1.0	INTRODUCTION	2
2.0	CLOSURE REQUIREMENTS	2
2.1	Title 30 TAC §330.459 and 30 TAC §330.457 Closure Requirements	2
2.2	Title 30 TAC §330.461 Certification of Final Facility Closure	2
3.0	CERTIFICATION OF FINAL FACILITY CLOSURE	3
4.0	POSTCLOSURE LAND USE	4

Tables

Table 1 – Cost Estimate for Closure

1.0 INTRODUCTION

This Closure Plan has been prepared for the Parker Waste Services (PWS) Transfer Station (TS) and is consistent with 30 TAC §330.63(h) and §330.459. Section 2 of this Closure Plan describes the steps necessary to close the facility at any point during its active life and Section 3 of this Closure Plan discusses post-closure land use of the site. Post-closure maintenance of the site is not required as all wastes and waste residues will be removed during closure in accordance with 30 TAC §330.459(a).

The PWS shall, unless specifically authorized by the commission, close the facility in accordance with the closure provisions of the permit.

2.0 CLOSURE REQUIREMENTS

2.1 Title 30 TAC §330.459 and 30 TAC §330.457 Closure Requirements

At the time of closure, the site will remove all waste, waste residues, and any recovered materials. The transfer station structure, pad, walls, and associated units will be decontaminated. All material on-site, whether in process or processed, will be evacuated to an authorized facility, and the tipping floors, processing areas, and post-processing areas will be disinfected by washing down with industrial cleaners. The operator shall then complete the closure activities for the unit in accordance with the approved plan with 180 days of initiation of closure activities. The cost estimate for the closure of the transfer station is in Table 1.

2.2 Title 30 TAC §330.461 Certification of Final Facility Closure

No later than 90 days prior to the initiation of final closure, the site will, through a public notice in the newspaper(s) of largest circulation in the vicinity of the facility, provide public notice for final facility closure. This notice will include the name, address, and physical location of the facility, the permit number, and the last day of the intended receipt of materials for processing at the facility. The site will also make available an adequate number of copies of the approved Closure Plan for public review. The owner/operator will also provide written notification to the TCEQ of the intent to close the facility and place this Notice of Intent in the site operating record.

Initiation of closure activities for the facility will begin after the date on which the facility receives the known final receipt of waste to be processed.

The following steps will be taken:

- Notify the TCEQ of when closure will be initiated.
- 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 facility and the prohibition against further receipt of waste materials after the stated date.
- Install suitable barriers to all gates or access points or alternatively, fence around the entire waste processing area, to adequately prevent the unauthorized dumping of solid waste at the closed facility.
- Remove waste, waste residues, contaminated water, and any recovered materials.
- Dismantle and remove or decontaminate facility units.
- Disinfect tipping floors, processing area, and post-processing areas.
- Wash transfer station tipping floors and any surfaces that have been in contact with waste.
- Perform facility inspection and prepare certification of closure. The certification shall be signed by an independent Texas licensed professional engineer, verifying that final facility closure has been completed in accordance with the approved closure plan. The submittal to the TCEQ Executive Director shall include all applicable documentation necessary for certification of final facility closure.
- If there is evidence of a release from the transfer station, the Executive Director may require an investigation into the nature and extent of the release and an assessment of measures necessary to correct an impact to groundwater. If hazardous constituents are measured in groundwater, exceeding the limits prescribed in 30 TAC §330.409, a characterization of the groundwater constituents shall be prepared.

3.0 CERTIFICATION OF FINAL FACILITY CLOSURE

Following completion of all final closure activities for the transfer station, Parker Waste Services will submit within 10 days to the TCEQ Executive Director for review and approval a documented certification signed by an independent Texas licensed

professional engineer, verifying that final closure has been completed in accordance with the approved Closure Plan and the applicable rule provisions of 30 TAC Chapter 330 Subchapter K. The submittal to the TCEQ Executive Director shall include all applicable documentation necessary for certification of final closure.

Following receipt of the required final closure documents, as applicable, the TCEQ regional office will conduct an inspection and provide a report verifying proper closure of the facility according to the approved Closure Plan before termination of operation and closure of the facility will be acknowledged and the facility deemed properly closed.

Since the facility does not require post-closure care, a request for voluntary revocation of the facility permit will be submitted to the executive director.

4.0 POSTCLOSURE LAND USE

All wastes and waste residues will be removed from the facility upon closure. At the time of closure, the TCEQ Executive Director will be provided with documentation of waste removal, and a request will be made that there be no restrictions to the post closure use of the facility related to its previous use as a municipal solid waste transfer station facility.



TABLE

TABLE 1
Parker Waste Services Proposed Transfer Station
Cost Estimate for Closure (by Third Party)
May 2025

Item	Description	Cost
1	State Administration of Site Closure	
	a. Site Survey and File Review for Closure Activities	\$1,600
	b. Preparation of Engineering Plans	\$1,600
	c. Bid Procurement	\$1,600
	d. Award and administration of contract	\$1,100
	e. Facility Closure Sign Installation	\$1,000
	f. Site Security (Fence Repair, locks, etc.)	\$1,000
2	Mobilization/Demobilization of Contractor	\$1,000
3	Sampling and Testing of the Waste to Characterize Waste for Disposal	\$2,500
4	Clean Up, Hauling, and Disposal of Waste (200 tons @\$65/ton)	\$13,000
5	Final Cleanup After Waste Removal	\$1,600
6	Removal and Disposal of Any Other Materials Found at the Facility.	\$1,200
7	Final Closure Inspection and Certification Report to TCEQ	\$7,500
	Closure Subtotal	\$34,700
	Contingency Cost (20%)	\$6,940
	Total	\$41,640