MSW TYPE V RECYCLING AND RECOVERY REGISTRATION APPLICATION

STRATEGIC MATERIALS

3240 Robinson Road

Midlothian, Ellis County, Texas

DATE: SEPTEMBER 17, 2024

PROJECT: 19-0502-008

DOC NO.: REP-19-0502-008 Rev 0
Application No: TBD

PREPARED FOR:

Strategic Materials, Inc. (SMI)

3240 Robinson Road

Midlothian, TX 76065

RN 102563152

CN600418008

PREPARED BY:

ESE Partners, LLC

2002 West Grand Parkway North
Suite 140
Katy, TX 77449
Telephone: 281 501 6100
Facsimile: 281 501 6105
www.esepartners.com

STATE OF TEXAS
AMANDA K. MARCKS
138143
LICENSED
PROFESSIONAL ENGINEER

09/16/24

September 17, 2024

Ms. Megan Henson
Municipal Solid Waste Permits Section Manager MC 124
Texas Commission on Environmental Quality
Building A Room 122
12100 Park 35 Circle
Austin, Texas 78753-1808

Re: Type V Recycling & Recovery Registration Application
Strategic Materials, Inc. (SMI); CN600418008
Strategic Materials Facility; 3240 Robinson Road, Midlothian, TX; RN102563152

Dear Ms. Henson:

On behalf of Strategic Materials, Inc. (SMI), ESE Partners is submitting the enclosed Type V Recycling & Recovery Registration Application package for the above referenced glass recycling facility. One (1) original set of documents, and three (3) bounded copies are included for your consideration.

Please note that the entire versions of Parts 1 through IV are included with this submittal indicating the initial submission date. Both the Part 1 Form (TCEQ-0650), and the Core Data Form are included with original signatures and updates for the facility RN.

We appreciate your consideration of these revisions and look forward to the continued processing of the application.

Regards,

Amanda Marcks, P.E.
Compliance Business Unit Leader
ESE Partners

Copies submitted: one (1) electronic copy; one (1) original and three (3) copies; 1 USB thumb-drive electronic copy.

Texas Commission on Environmental Quality

Waste Permits Division Correspondence Cover Sheet

Date: 9/17/24
Facility Name: Strategic Materials
Permit or Registration No.: _____

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

Table 2 - Industrial & Hazardous Waste Correspondence

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

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3240 Robinson Road

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Telephone: 281 501 6100
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Document Production / Revision Status						
Rev	**Description**	**Date**	**Contributors**	**Author**	**Technical Review**	**Internal Standards Review**
0	Final Draft	9/17/24	Mason Finley	☒	☐	☐
			Stephanie Sartain	☒	☐	☐
			Noah Pastor	☒	☐	☐
			Amanda Marcks, P.E.	☐	☒	☒

Contents

Amanda Marcks
09/16/24

PART I

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

Rev. 0

Date Prepared: September 17, 2024

Revision Date:

Prepared By:

ESE Partners, LLC

2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131

Amanda Marcks
09/16/24

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 mswper@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 Name[3]:
Strategic Materials

Site Operator (Permittee or Registrant Name)[4]:
Strategic Material, Inc.

MSW Authorization Number: _____

Initial Submission Date: 9/17/24

Revision Date: _____

Application Data

1. Submission Type

☒ Initial Submission ☐ Notice of Deficiency (NOD) Response

2. Authorization Type

☐ Permit ☒ Registration

3. Application Type

☐ New Permit

☐ Permit Major Amendment ☐ Permit Limited Scope Major Amendment

☒ New Registration

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

4. Application Fee

Amount

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

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

Payment Method

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

Enter ePay Trace Number: 582EA000625464

☐ Check (send to TCEQ Financial Administration Division)

Payor Name: _____ Check Number: _____

5. Electronic Versions of Application

TCEQ will publish electronic versions of the application online. Applicants must provide a clean copy of the administratively complete application and technically complete application. TCEQ will also publish electronic versions of NOD responses online.

6. Party Responsible for Publishing Notice

Indicate who will be responsible for publishing notice:

☐ Applicant ☐ Agent in Service ☒ Consultant

Contact Name: Amanda Marcks

Title: Consultant

Email Address: amarcks@esepartners.com

7. Alternative Language Notice

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

Is an alternative language notice required for this application?

☐ Yes ☒ No

Indicate the alternative language: _____

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8. Public Place for Copy of Application

Name of the Public Place: A. H. Meadows Public Library

Physical Address: 922 S. 9th St.

City: Midlothian County: Texas State: TX Zip Code: 76065

Phone Number: 469-856-5211

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

PAGE REVISION DATE: 9/17/24 - initial

12. General Information About the Facility

Facility Regulated Entity Name: Strategic Materials

Contact Name: Jason Plummber Title: Plant Manager

MSW Authorization Number (if existing): _____

Regulated Entity Reference Number: **RN** 102563152

Physical or Street Address (if available): 3240 Robinson Rd

City: Midlothian County: Ellis State: TX Zip Code: 76065

Phone Number: 262-581-7132

Latitude (decimal degrees, six decimal places): 32.470203

Longitude (decimal degrees, six decimal places): -96.954755

Elevation (above mean sea level): 600 feet (benchmark elevation for landfills)

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

The subject site is bounded on the southwest by US 287, on the north by Robinson Road, and on the east by Eastgate Road.

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

Direct vehicular access is provided on Robinson Road and Eastgate Road, which are both local streets with a two-lane cross-section within the City of Midlothian, Texas. Both roadways currently provide direct access to US 287 at unsignalized intersections (i.e., stop-signs on the minor street approaches) with full median openings and auxiliary turn lanes on US 287.

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.

- ☐ Landfill Unit(s)
- ☐ Container(s)
- ☐ Incinerator(s)
- ■ Roll-off Boxes
- ☐ Class 1 Landfill Unit(s)
- ☐ Surface Impoundment
- ☐ Process Tank(s)
- ☐ Autoclave(s)
- ■ Storage Tank(s)
- ☐ Refrigeration Unit(s)
- ☐ Tipping Floor
- ☐ Mobile Processing Unit(s)
- ■ Storage Area
- ☐ Compost Pile(s) or Vessel(s)
- ☐ 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.

Strategic Materials, Inc. (SMI) is proposing an initial registration for an existing Type V Municipal Solid Waste (MSW) transfer station with recovery operations, located in Ellis County within the city limits of the Midlothian, Texas at 3240 Robinson Road, Texas 76065. SMI has an existing 11.0-acre property, with Medium Industrial (MI) zoning, that the Strategic Materials facility is located on. The cities and counties which distribute material to the MRFS that SMI collects from include City of Longview, City of Tyler, Dallas County, Tarrant County, City of Temple, Travis County, Bexar County, Harris County, City of Tulsa, and City of Oklahoma City. The Strategic Materials facility will serve as a transfer station, with recycling and recovery operations, for solid waste from those communities

Registration Qualifications:
Strategic Materials will meet the 10% recycling provisions set forth In TAC § 330.9(e)(1). Additionally, the remaining non-recyclable and non-reusable incoming materials will be transferred to a TCEQ authorized MSW landfill located within 50 miles of the transfer station to comply with requirements in [30 TAC §330.9 (e)(2)].

17. Facility Contact Information

Site Operator (Permittee or Registrant)

Name: Strategic Materials, Inc. (SMI)

Customer Reference Number: **CN** 600418008

Contact Name: Zach Aucker Title: Environmental Compliance Manager

Mailing Address: 1856 Old Berwick Rd

City: Bloomsberg County: Columbia State: PA Zip Code: 17815

Phone Number: 570-238-5232

Email Address: zaucker@smi.com

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: ESE Partners

Consultant Name: Amanda Marcks, P.E.

Texas Board of Professional Engineers Firm Registration Number:

Contact Name: Amanda Marcks, P.E. Title: Compliance Business Unit Leader

Mailing Address: 400 E Royal Lane, Suite 203

City: Irving County: Dallas State: TX Zip Code: 75039

Phone Number: 940-440-2435

Email Address: amarcks@esepartners.com

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

Name: CORPORATE CREATIONS NETWORK

Mailing Address: 5444 WESTHEIMER #1000

City: Houston County: Harris State: TX Zip Code: 77056

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: WAYNE HILL

What is Owned: ☐ Facility Units ■ Property

☐ Other (describe): _____

Mailing Address: PO BOX 425

City: Murchison County: Henderson State: TX Zip Code: 75778

Phone Number: 214-957-1004

Email Address: _____

20. Other Government Entities Information

Texas Department of Transportation

District: Dalla

District Engineer's Name: Ceason Clemens, P.E.

Mailing Address: 4777 E Highway 80

City: Mesquite County: Dallas State: TX Zip Code: 75150

Phone Number: 214-320-6200

Email Address: ceason.clemens@txdot.gov

Local Government Authority Responsible for Road Maintenance (if applicable)

Government or Agency Name: City of Midlothian

Contact Person's Name: Mike Adams

Mailing Address: 104 W. Avenue E

City: Midlothian County: Ellis State: TX Zip Code: 76065

Phone Number: 972-775-7105

Email Address: mike.adams@midlothian.tx.us

City Mayor Information

City Mayor's Name: Justin Coffman

Mailing Address: 104 West Avenue E

City: Midlothian County: Ellis State: TX Zip Code: 76065

Phone Number: 972-775-3481

Email Address: justin.coffman@midlothian.tx.us

City Health Authority

Authority Name: City Manager

Contact Person's Name: Chris Dick

Contact Person's Title: City Manager

Mailing Address: 104 West Avenue E

City: Midlothian County: Ellis State: TX Zip Code: 76065

Phone Number: 972-775-3481

Email Address: chris.dick@midlothian.tx.us

County Judge Information

County Judge's Name: Todd Little

Mailing Address: 109 South Jackson

City: Waxahachie County: Ellis State: TX Zip Code: 75165

Phone Number: 972-825-5000

Email Address:

County Health Authority

Agency Name: Ellis County Behavioral Health

Contact Person's Name: Caitlin Wilkinson

Contact Person's Title: Director

Mailing Address: 101 W Main St.

City: Waxahachie County: Ellis State: TX Zip Code: 75165

Phone Number: 972-825-5457

Email Address:

State Representative Information

House District Number: 10

State Representative's Name: Brian Harrison

District Office Mailing Address: 100 N College Street, Suite 306

City: Waxahachie County: Ellis State: TX Zip Code: 75165

Phone Number: (972) 923-0264

Email Address:

State Senator Information

District Number: 22

State Senator's Name: Brian Birdwell

District Office Mailing Address: 93900 Arlington Highlands Blvd., Suite 265

City: Arlington County: Tarrant State: TX Zip Code:

Phone Number: (817) 466-7327

Email Address:

Council of Governments (COG)

COG Name: North Central Texas Council of Governments

COG Representative's Name: Mike Eastland

COG Representative's Title: Executive Director

Mailing Address: 616 Six Flags Dr

City: Arlington County: Tarrant State: TX Zip Code: 76011

Phone Number: 817-695-9100

Email Address: meastland@nctcog.org

River Basin Authority

Authority Name: Trinity River Authority

Contact Person's Name: Matt Jalbert

Watershed Sub-Basin Name: Chambers River sub-basin

Mailing Address: 5300 S. Collins

City: Arlington County: Tarrant State: TX Zip Code: 76018

Phone Number: 817-467-4343

Email Address:

Local Drainage or Flood Management Authority

Authority Name: City of Midlothian Floodplain Administrator

Contact Person's Name: FLOODPLAIN ADMINISTRATOR

Mailing Address: 104 W. Avenue E

City: Midlothian County: Ellis State: TX Zip Code: 76065

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

Local Government Jurisdiction

Within City Limits of: City of Midlothian

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.

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: N/A

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: Paul Garris on behalf of Strategic Materials, Inc.

Email Address: pgarris@smi.com

Signature: _____ Date: 09/11/2024

Notary

SUBSCRIBED AND SWORN to before me by the said Cistah Louise Carson.

On this 11th day of September, 2024

My commission expires on the 01 day of Jan, 25.

_____

Notary Public in and for

Harris County, TX. (notary's jurisdiction, including county and state)

Note: Application Must Bear Signature & Seal of Notary Public

CISTAH LOUISE CARSON
Notary Public, State of Texas
Comm. Expires 01-28-2025
Notary ID 128907842

PAGE REVISION DATE: 9/17/24 - initial

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: Paul Garris Title: VP of Operations for Strategic Materials, Inc.

Email Address: pgarris@smi.com

Signature: _____ Date: 09/11/2024

Authorization by Facility Owner for Operator to Submit Application

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

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

Name: N/A Title: _____

Email Address: _____

Signature: _____ Date: _____

Notary

SUBSCRIBED AND SWORN to before me by the said Cistah Louise Carson.

On this 11 day of Sept, 24.

My commission expires on the 28 day of Jan, 25.

_____

Notary Public in and for

Harris County, TX (notary's jurisdiction, including county and state)

Note: Application Must Bear Signature & Seal of Notary Public

CISTAH LOUISE CARSON
Notary Public, State of Texas
Comm. Expires 01-28-2025
Notary ID 128907842

Part I Attachments

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

Attachments Table 1. Required attachments.

Required Attachments	Attachment Number
Supplementary Technical Report [30 TAC 305.45(a)(8)]	Attachment I-1
Property Legal Description [30 TAC 330.59(d)(1)]	Attachment I-2
Property Metes and Bounds Description [30 TAC 330.59(d)(1)]	Attachment I-2
Facility Legal Description [30 TAC 330.59(d)(1)]	Attachment I-2
Facility Metes and Bounds Description [30 TAC 330.59(d)(1)]	Attachment I-2
Metes and Bounds Drawings [30 TAC 330.59(d)(1)]	Attachment I-2
On-Site Easements Drawing [30 TAC 330.61(c)(10)]	Attachment I-2
Land Ownership Map [30 TAC 330.59(c)(3)]	Attachment I-3
Landowners List [30 TAC 330.59(c)(3)]	Attachment I-3
Mailing Labels (in electronic file, in Avery 5160 format; see instructions) [30 TAC 281.5(7)]	Attachment I-11
General Location Maps [30 TAC 330.59(c)(2)]	Attachment I-4
Texas Department of Transportation (TxDOT) County Map [30 TAC 330.59(c)(2)]	Attachment I-4
General Topographic Maps [30 TAC 330.61(e)]	Attachment I-4
Verification of Legal Status / Legal Authority (certificate of incorporation) [30 TAC 281.5 and 330.59(e)]	Attachment I-5
Evidence of Competency [30 TAC 330.59(f)]	Attachment I-6
Signatory Authority Documentation [30 TAC 305.44 and 330.59(g)]	N/A
TCEQ Core Data Form(s) TCEQ-10400[6] [30 TAC 281.5(7)]	Attachment I-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
■ Plain Language Summary Form TCEQ-20947[7] [30 TAC 39.405(k)]	Attachment I-8
■ Public Involvement Plan Form TCEQ-20960[8]	Attachment I-9
■ Fee Payment Receipt	Attachment I-10
☐ Confidential Documents	
☐ Waste Storage, Processing and Disposal Ordinances [Texas Health and Safety Code, Section 363.112[9]]	
☐ Final Plat Record of Property Description [30 TAC 330.59(d)(1)(B)]	
Other (describe): https://www.esepartners.com/ese-environmental-services-due-diligence-remediation-compliance/environmental-compliance/	
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

ATTACHMENT I-1

SUPPLEMENTARY TECHNICAL REPORT

[30 TAC §305.45(A) (8)]

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

Rev. 0

Date Prepared: September 17, 2024

Revision Date:

Prepared By:

ESE Partners, LLC

2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131

Amanda Marcks
09/16/24

1.1 General Description

This Supplementary Technical Report has been prepared in accordance with 30 TAC §305.45(a)(8) for the proposed Strategic Materials, Inc (SMI) Type V facility, located in Ellis County within the incorporated city limits of the City of Midlothian, Texas.

The site of the Strategic Materials Facility consists of an 11.00-acre property located within the incorporated limits of the City of Midlothian on Robinson Road. The site entrance driveway is located along Robinson Road. Strategic Materials, Inc. (SMI) is proposing an initial registration for an existing Type V Municipal Solid Waste (MSW) transfer station with recovery operations, located in Ellis County within the city limits of the Midlothian, Texas at 3240 Robinson Road, Texas 76065. SMI has an existing 11.0-acre property, with Medium Industrial (MI) zoning, that the Strategic Materials Facility is located on. The cities and counties which distribute material to the MRFS that SMI collects from include City of Longview, City of Tyler, Dallas County, Tarrant County, City of Temple, Travis County, Bexar County, Harris County, City of Tulsa, and City of Oklahoma City. The Strategic Materials facility will serve as a transfer station, with recycling and recovery operations, for solid waste from those communities.

The SMI Type V Transfer station facility is proposing to accept waste between the hours of 7:30 a.m. to 5:00 p.m. Monday through Saturday. The peak hours of inbound and outbound trucks within and around the site are 9:00 am to 11:00 am. Other operations that do not require the use of heavy equipment (i.e., administrative, security, general facility maintenance) can occur at any time.

1.2 Description of Waste

The Strategic Materials Facility will accept from a Materials Recovery Facility (MRF) and is mixed recycling with waste, a certain percentage must be glass. The incoming raw material includes bottles and jars from recycling collection programs and plate glass manufacturing rejects. This is received as a cullet (small chunks of glass), additional material such as whole plate glass and whole bottle is received onsite as well.

1.3 Capacity and Waste Acceptance

The Strategic Materials Facility collects materials from eight (8) separate counties within Texas and two (2) cities within Oklahoma. Total populations of counties and cities that are contributing to the MRF's are 14,895,770. Due to population growth and recent residential development in the area, they anticipate that their number of clients will increase rapidly.

The Strategic Materials facility is currently designed to accommodate 475 tons of recyclable waste per day and anticipates approximately 50 transfer trucks will enter the facility per day. All generated waste from the processing operations are trucked to designated disposal landfill within 24 – 72 hrs. The max capacity of waste that can be stored is 200 tons (8 loads). At no time will the amount of stored waste exceed the ultimate capacity of the facility.

1.3.1 Type of Waste Accepted

The Strategic Materials facility sorts waste primarily in collection and acceptance of unprocessed mixed glass. This is received as a cullet (small chunks of glass), additional material such as whole plate glass and whole bottle is received on site as well. Non-glass material such as plastic, paper, cardboard, and metals are removed. Metals are sent offsite for recycling; other materials are removed as trash and transported offsite.

There are no waste constituent or characteristic that could be a limiting parameter and may impact or influence the design and operation of the facility, except for the prohibited wastes listed in Section 3.3.2, which may include constituent concentrations and characteristics such as pH, fats, oil and grease concentrations, total suspended solids, chemical oxygen demand, biochemical oxygen demand, organic and metal constituent concentrations, water content, or other constituents.

1.3.2 Prohibited Wastes

The Strategic Materials facility may not accept for storage or processing various wastes, including:

1. *Wastes prohibited from disposal in a municipal solid waste facility by 30 TAC §330.15(e), including various:*
    a. *lead acid storage batteries*
    b. *whole used or scrap tires*
    c. *refrigerators, freezers, air conditioners, and other items containing chlorinated fluorocarbon*
    d. *liquid wastes*
    e. *regulated hazardous wastes*
    f. *polychlorinated biphenyls (PCB) wastes*
    g. *radioactive materials*
2. *Special wastes defined/listed in 30 TAC §330.154, including various:*
    a. *hazardous waste from conditionally exempt small-quantity generators*
    b. *Class l industrial nonhazardous waste*
    c. *treatment plant sludges*
    d. *septic tank pumpings*
    e. *grease and grit trap wastes*
    f. *treatment plant wastes*
    g. *air pollution control facility waste*
    h. *tanks, drums, or containers used for material listed as a hazardous constituent*
    i. *slaughterhouse wastes*
    j. *dead animals*

k. drugs, contaminated foods, or contaminated beverages

l. containers for pesticides, herbicides, fungicides, or rodenticides unless managed per 30 TAC §330.17 l(c)(5)(A)

m. discarded materials containing asbestos

n. incinerator ash

o. soil contaminated by petroleum products

p. used oil

q. used-oil filters

r. waste from oil, gas, and geothermal activities

s. waste generated outside the boundaries of Texas

3. The following wastes:

a. medical waste

b. large, heavy, or bulky items which can include, but are not limited to, white goods (household appliances), air conditioner units, metal tanks, large metal pieces, automobiles, and other items that will not fit in the transfer trailer box.

1.3.3 Measures for Controlling Prohibited Wastes

Procedures to detect and control the receipt of prohibited wastes include:

Procedures will be in place that call for all customers (both regular and one-time or occasional) and drivers of incoming waste hauling vehicles that have indicated they will deliver waste to the facility to be informed by: (1) Posting signs at the facility listing prohibited wastes; and (2) Providing all customers, vehicle drivers and transfer station operators with a written list of prohibited wastes.

Facility operations personnel will be trained to inspect vehicles and identify regulated hazardous waste, polychlorinated biphenyl (PCB) waste, and other prohibited wastes. At a minimum, the facility supervisor and staff will be trained in inspection procedures for prohibited waste. Records of employee training on prohibited waste control procedures will be maintained in the facility operating record. The personnel will be trained to be vigilant for the following indications of prohibited waste:

1. Yellow hazardous waste or PCB labels
2. DOT hazard placards and/or markings
3. Liquids
4. 55- gallon drums
5. 85-gallon overpack drums
6. Powders or dusts

7. Odors or chemical fumes

8. Bright or unusual colored wastes

9. Sludges

Training will also include the random inspections of incoming loads maintaining records of all inspections, and notification of the Executive Director of any incident involving a regulated hazardous waste or a PCB waste.

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

1.4 Additional Information

Other information regarding the proposed Strategic Materials Facility is as follows:

1.4.1 Site Location and Roadway Access

The Site is located within the city limits of the City of Midlothian. The Site can be accessed via an entrance along Robinson Road. There are no road improvements anticipated for this facility. This property has a zoning designation from the City of Midlothian of Medium Industrial. The proposed use of the property as a MSW transfer station with material recovery (processing and storage) has been determined by the City of Midlothian to be allowable with the Medium Industrial zoning designation.

1.4.2 Transfer Building Design

The Strategic Materials facility includes two (2) engineered metal buildings where processing operations occur. The Optical Sort Line (P02) and 5/8 Line (P03) are located within a single-story 8,350 square foot building on concrete slab. The 12-Mesh Line (P04) are located within a single-story 4,850 square foot building on concrete slab. Each building has a sloped metal roof.

The buildings will be protected from the weather elements. All working areas will be well ventilated. The facility will restrict additional solid waste receipt if a significant work stoppage should occur due to a mechanical breakdown or other causes. Under such circumstances, incoming solid waste will be diverted to an approved backup storage, processing, or disposal facility. If the work stoppage is anticipated to last long enough to create objectionable odors, insect breeding, or harborage of vectors, steps will be taken to remove the accumulated solid waste from the facility to SMI's storage and processing disposal facility located in Houston, TX.

1.4.3 Spill Control

The facility does not generate or store wash water as the facility processes do not include the washing of materials, therefore the facility design does not require specific spill control measures for wash water operations. Stormwater runoff is authorized under MSGP (Permit TXR05DE60). The site is graded and drains to a single outfall. Prior to the outfall, a vegetative swale with rock check damns and additional filtration controls has been constructed so that stormwater runoff enters this drainage feature for filtration prior to discharging off site. Regulated housekeeping within the Stormwater Pollution Prevention Plan calls for the cleanup of debris and the plan includes procedures for the response and clean-up of any spills.

The facility will be designed to control and contain a worst-case spill or release. No contaminated water will be allowed to pond or run off as surface drainage. Wastewater is not generated from the operation of the transfer station and stormwater runoff is controlled in a manner that will not cause surface water or groundwater pollution. Employee restrooms are located at the office and connected to the City of Midlothian sanitary sewer.

1.4.4 Property Location Considerations

The Strategic Materials facility property is located within the city limits of the City of Midlothian. The intended use of this property as an MSW transfer station is consistent and compatible with the City of Midlothian's Medium Industrial (MI) zoning designation for the property. No portion of the property of the facility is in the 100-Year floodplain. The existing drainage patterns will be maintained. No wetlands threatened or endangered species, or cultural resources were identified within the proposed property boundary by qualified Site investigations. There were no oil/gas wells identified within the facility boundary or water wells within 500-feet of the Strategic Materials Facility property boundary.

1.4.5 Permits, Registration, or other Authorizations [30 TAC §330.55]

The construction and operation of waste management facilities shall comply with 30 TAC §330 Subchapter U (relating to Standard Air Permits for Municipal Solid Waste Landfill Facilities and Transfer Stations) or other approved air authorizations. A Transfer Station may be authorized under the Standard Permit if the facility meets the conditions for any Permits by Rule (PBR) or Standard Permits. Strategic Materials has existing active PBR authorizations under 106.183 for Boilers, Heaters, and Other combustion device and 106.472 for Organic and Inorganic Liquid Loading and Unloading. The Strategic Materials Facility will comply with Subchapter U Standard Permit requirements, as applicable.

A list of permits or registrations for the site are listed below:

Program	ID Type	ID Number	ID Status
Air New Source Permits	Registration	167392	Active
Air New Source Permits	Registration	176746	Active
Municipal Solid Waste Processing	Registration	100540	Active

Multi-Sector General Permit	Permit	TXR05DE60	Active

ATTACHMENT I-2

FACILITY LEGAL DESCRIPTION

FACILITY METES AND BOUNDS DESCRIPTION

METES AND BOUNDS DRAWINGS

ON-SITE EASEMENTS DRAWING

[30 TAC §330.59(D)(1) & 30 TAC §330.61(C)(10)]

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

Rev. 0

Date Prepared: September 17, 2024

Revision Date:

Prepared By:

ESE Partners, LLC

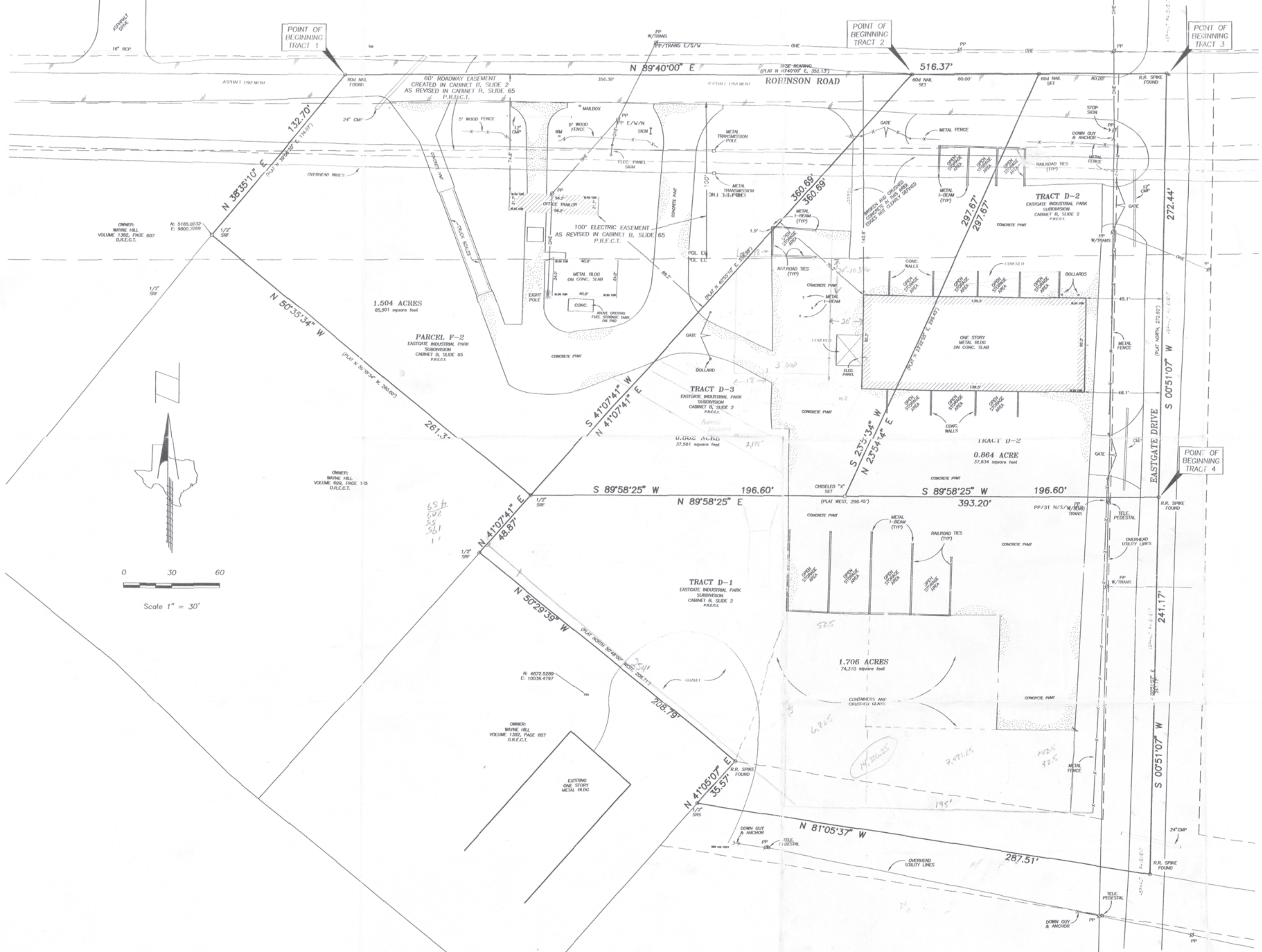
2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131

1.1 Facility Legal Description

The 11-acre Strategic Materials facility is currently made up of seven (7) separate tracts and two (2) property owners. Attachment I-6 Property Owners Affidavit provides a copy of the signed affidavit from the Strategic Materials Facility owner/operator addressing the requirements of 30 TAC §330.59(d).

A Facility Meets and Bounds Description and drawing are provided in Attachment I-2 depicts the final property configuration. Onsite drainage is provided in Figure I-1 in Attachment I-2. Pipelines and utility easements within or adjacent to the facility are provided Figure I-2, also in Attachment I-2.



TRACT 1

BEING a description of a 1.504 acre tract of land situated in the Coleman Jenkins Survey Abstract No. 555, in Ellis County, Texas, and being that same tract or parcel of land shown as Parcel "F-2" on the Plat Entitled Eastgate Industrial Park, an addition to Ellis County, as recorded in Cabinet B, at Slide 65 of the Plat Records of Ellis County, Texas. Said Parcel "F-2" being more fully described as follows:

BEGINNING at a 60d nail found for corner at the northwest corner of said Parcel, being in the asphalt pavement of Robinson Road;

THENCE North 89 deg. 40 min. 00 sec. East, along the north line of said Parcel "F-2", a distance of 356.39 feet (plat North 89 deg. 40 min. 00 sec. East, 352.13 feet), to a 60d nail set for corner and being the northeast corner of said Parcel "F-2";

THENCE South 41 deg. 07 min. 41 sec. West, departing said Robinson Road, and along the east line of said Parcel "F-2" a distance of 360.69 feet for corner (plat South 40 deg. 55 min. 10 sec. West, 358.38 feet), to a 1/2-inch steel found for corner, being the east common corner between said Parcel and a tract of land conveyed to Wayne Hill, as as evidenced by a deed reorded in Volume 699 at Page 165 of the Deed Records of Ellis County, Texas;

THENCE North 50 deg. 35 min. 34 sec. West, along the south line of said Parcel "F-2" same being the north line of said Hill tract, a distance of 261.31 feet (plat North 50 deg. 48 min. 00 sec. West, 260.60 feet), to a 1/2-inch steel rod found for corner, and being on an east line of another tract of land conveyed to Wayne Hill as evidenced by the Deed recorded in Volume 1382 at Page 607 of the Deed Records of Ellis County, Texas;

THENCE North 38 deg. 35 min. 10 sec. East, along said Hill tract a distance of 132.70 feet (plat North 39 deg. 06 min. 20 sec. East, 134.07 feet) to the PONIT OF BEGINNING;

and containing 1.504 acre or 65,501 square feet of land more or less.

TRACT 2

BEING a description of a 0.862 acre or 37, 561 square foot tract of land situated in the Coleman Jenkins Survey Abstract No. 555, in Ellis County, Texas, and being that same tract or parcel of land shown as Tract "D-3" on the Plat entitled Eastgate Industrial Park, an addition to Ellis County, as recorded in Cabinet B, at Slide 2 of the Plat Records of Ellis County, Texas. Said Parcel "D-3" being more fully described as follows:

BEGINNING at a 60d nail set for corner at the northwest corner of said Tract "D-3", being the north common corner between said tract and Parcel "F-2" as shown on the plat of Eastgate Industrial Park, recorded in Cabinet B, at Slide 65 of the Plat Records of Ellis County, Texas, said 60d Nail being in the pavement of Robinson Road, a public road within a 60 foot wide roadway easement as created on the plats recorded in said Cabinet B at Slide 2 and as affected by the Plat recorded in Cabinet B, at Slide 65 of the Plat Records of Ellis County, Texas;

THENCE North 89 deg. 40 min. 00 sec. East, departing said Parcel "F-2", and along the north line of Tract "D-3", a distance of 80.00 feet, to a 60d Nail set for corner (plat North 89 deg. 40 min. 00 sec. East, 80.00 feet) to a 60d nail set for corner, and being the north common corner between said Tract "D-3" and Tract "D-2" in said addition;

THENCE South 23 deg. 54 min. 34 sec. West, along the common line between said Tracts D-2 and D-3, a distance of 297.67 feet (plat South 23 deg. 22 min. 55 sec. West, 296.45 feet) to a chiseled "X" set in concrete for corner, and being on the north line of Tract D-1 in said addition;

THENCE South 89 deg. 58 min. 25 sec. West, departing said Tract D-2, and along the common line between said Tract D-1 and D-3, a distance of 196.60 feet, (plat West, 200.3 feet) to a 1/2-inch steel rod found for corner, and being the southeast corner of Parcel "F-2" as shown on the plat recorded in Cabinet B, at Slide 65 of the Plat Records of Ellis County, Texas;

THENCE North 41 deg. 07 min. 41 sec. East, departing said Tract D-1, and along the common line between said tract D-3 and said Parcel F-2, a distance of 360.69 feet (plat North 40 deg. 55 min. 10 sec. East, 358.38 feet), to the POINT OF BEGINNING;

and containing 0.862 acre or 37,561 square feet of land more or less.

TRACT 3

BEING a description of a 0.864 acre or 37,634 square foot tract of land situated in the Coleman Jenkins Survey Abstract No. 555, in Ellis County, Texas, and being all of that same tract of land known as Tract "D-2" on the Plat entitled Eastgate Industrial Park Subdivision, an addition to Ellis County, Texas, as shown on the Plat recorded in Cabinet B, at Slide 2 of the Plat Records of Ellis County, Texas;

BEGINNING at a R.R. spike found in asphalt pavement at the intersection of Robinson Road and Eastgate Drive, and being the northeast corner of said Tract D-2;

THENCE South 00 deg. 51 min. 07 sec. West, along the said east line of Tract D-2, a distance of 272.44 feet (plat South, 272.57 feet) to a R.R. spike found in asphalt for corner, and being the east common corner between said Tract D-2, and Tract D-1 in said addition;

THENCE South 89 deg. 58 min. 25 sec. West, along the common line between said Tract D-2 and Tract D-1, a distance of 196.60 feet to a chiseled "X" set in concrete and being the south common corner between said Tract D-2 and D-3 in said addition (plat West, 200.3 feet);

THENCE North 23 deg. 54 min. 34 sec. East, departing said Tract D-1and along the common line between said Tract D-2 and D-3, a distance of 297.67 feet, (plat North 23 deg. 22 min. 55 sec. East, 296.45 feet), to a 60d nail set in asphalt for corner;

THENCE North 89 deg. 40 min. 00 sec. East, departing said Tract D-3, and along the north line of said Tract D-2, a distance of 80.00 feet (plat North 89 deg. 40 min. 00 sec. East, 82.57 feet), to the POINT OF BEGINNING;

and containing 0.864 acre or 37,634 square feet of land more or less.

TRACT 4

BEING a description of a 1.706 acre or 74,310 square foot tract of land situated in the Coleman Jenkins Survey Abstract No. 555, in Ellis County, Texas, and being all of that same tract of land known as Tract "D-1" on the Plat entitled Eastgate Industrial Park Subdivision, an addition to Ellis County, Texas, as shown on the Plat recorded in Cabinet B, at Slide 2 of the Plat Records of Ellis County, Texas;

BEGINNING at a railroad spike found in asphalt pavement located at the east common corner between said Tract D-1 and Tract D-2 in said addition, being in the center of a 60 foot wide road easement for a road known as Eastgate Drive;

THENCE South 00 deg. 51 min. 07 sec. west, departing said Tract D-2 and along the east line of said Tract D-1 a distance of 241.17 feet to a railroad spike found in asphalt pavement (Plat south, 240.97 feet) and being the common corner between said Tract D-1 and Tracts A, B-2 and C in said addition;

THENCE North 81 deg. 05 min. 37 sec. west, departing said Tracts B-2 and C, and along the common line between said Tract A and Tract D-1, a distance of 287.51 feet (Plat 297.12 feet) to a 1/2-inch steel rod set for corner on the east line of a called 1.0 acre tract of land as conveyed to Wayne Hill as evidenced in the Deed recorded in Volume 699 at Page 165 of the Deed Records of Ellis County, Texas;

THENCE North 41 deg. 05 min. 07 sec. East, departing said Tract A and along the common line between said Hill Tract and said Tract D-1, a distance of 35.57 feet (Plat North 40 deg. 55 min. 10 sec. East, 35.20 feet) to a 1/2-inch steel rod set for corner;

THENCE North 50 deg. 29 min. 39 sec. West, and along a common line between said Hill Tract and said Tract D-1, a distance of 208.79 feet (Plat North 50 deg. 48 min. 00 sec. West, 208.71 feet) to a 1/2-inch steel rod found for corner and being on an easterly line of parcel F-1 of Eastgate Industrial Park Subdivision an addition to Ellis County as shown on the Plat recorded in Cabinet B at Slide 65 of the Plat Records of Ellis County, Texas;

THENCE North 41 deg. 07 min. 41 sec. East, departing said Hill Tract and along the common line between said Tract D-1 and Parcel F-1, a distance of 48.87 feet (Plat North 40 deg. 55 min. 10 sec. East, 48.25 feet) to a 1/2-inch steel rod found for corner and being the west common corner between said Tract D-1 and Tract D-3;

THENCE North 89 deg. 58 min. 25 sec. East, departing said Parcel F-2, and along the common lines between Tract D-1 and Tracts D-2 and D-3, a distance of 393.20 feet (Plat East, 400.6 feet) to the POINT OF BEGINNING;

and containing 1.706 acres or 74,310 square feet of land more or less.

SURVEYOR'S CERTIFICATION

The undersigned hereby certifies to LaSalle Business Credit, Inc., its successors or assigns, Stewart Title Guaranty Company and Teacher's Insurance & Annuity Association, that (a) this plat of survey and the survey on which it was based were made in accordance with "Minimum Standard Detail Requirements for ALTA/ASCM Land Title Surveys" jointly established and adopted by the American Land Title Association and the American Congress on Surveying and Mapping in 1999, substantially meets the accuracy requirements of an urban survey, as defined therein; and includes items 1,2,3,4,6,7,8,9,10,11,13,14,15 and 16 of Table A thereof, and (b) this plat of survey and the property description set forth hereon ("Property") was prepared by me, a registered land surveyor in the State of Texas and was actually made upon the ground. In addition, the undersigned hereby certifies that (1) the information, courses and distances shown on this survey are within tolerances as specified in the above mentioned standards, (2) the size, location and type of visible improvements are as indicated hereon and all are within the boundaries of the Property and set back from the Property lines the distances indicated, (3) the Property is contiguous to, and has access to and from Robinson Road and Eastgate Drive public roads, (4) there are no easements or encumbrances including visible utility lines or visible evidence thereof affecting the Property other than as shown and depicted on this survey, (5) there are no visible or known encroachments of any improvements on this Property over any easements or visible or known encumbrances onto adjoining property, (6) there are no visible encroachments of any visible improvements on adjoining property onto the Property, (7) all recorded easements and other exceptions, as noted in the Stewart Title Guaranty Company's Commitment for Title Insurance No. 0211004M effective date: November 7, 2002 have been correctly platted hereon, (8) the Property constitutes one contiguous parcel without gaps or gores and is comprised of 4 platted parcels.

Prepared by
Prism Surveys, Inc.
1361 W. Euless Blvd., Ste. 112
Euless, TX 76040

Michael Dale Linke
Professional Registered Surveyor No. 4508

PRISM SURVEYS, INC.
COMMERCIAL, RESIDENTIAL,
BOUNDARY, TOPOGRAPHIC,
TITLE & CONSTRUCTION SURVEYS
P.O. BOX 181553
1361 W. EULESS BOULEVARD, #112
EULESS, TEXAS 76040
(817) 540-8048

STRATEGIC MATERIALS, INC.
APPROXIMATELY ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

SITE DRAINAGE MAP

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_I-1_SITE_DRAINAGE
DATE: 9/16/2024
DRAWN BY: LS
APPROVED BY: AM

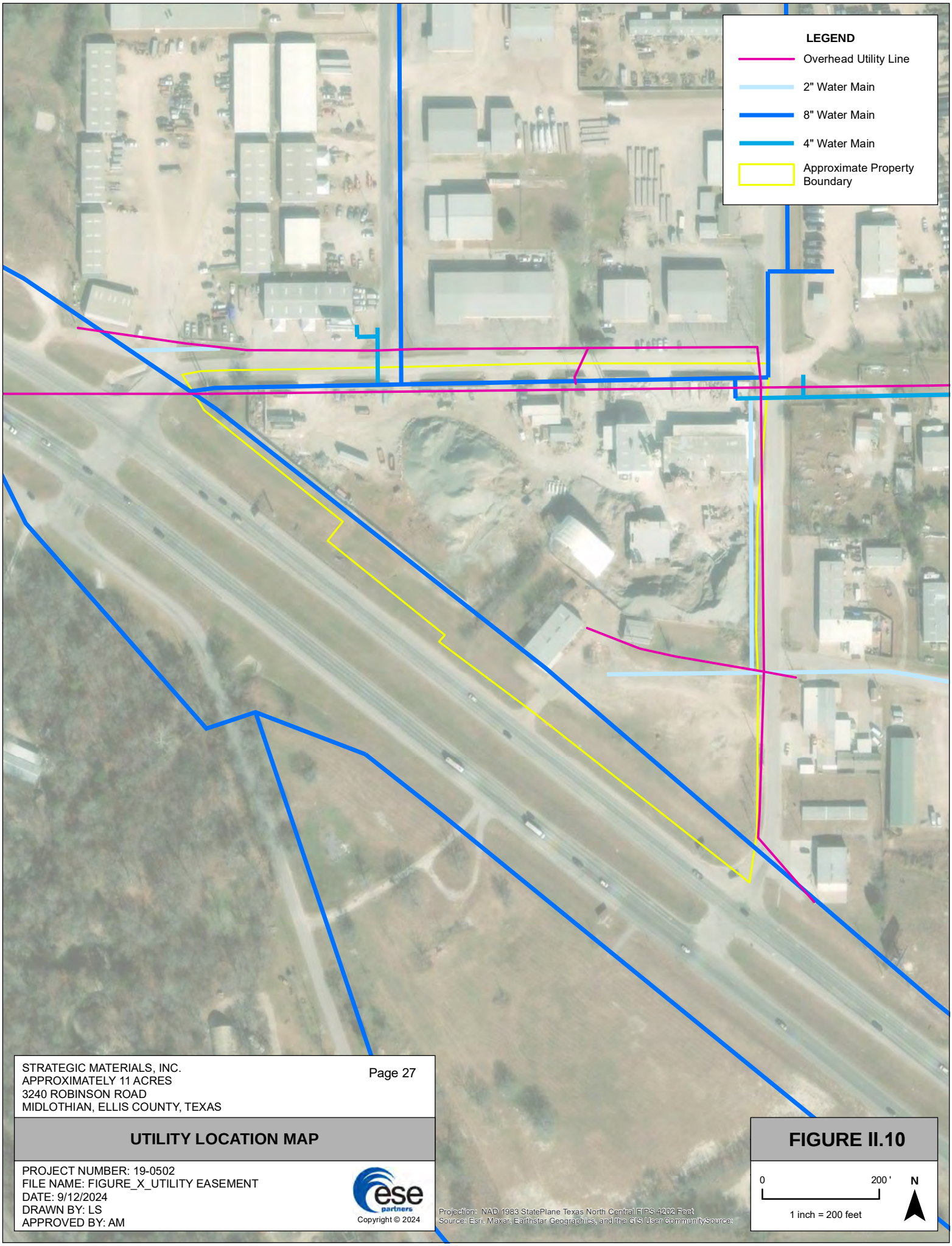
Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

FIGURE I.1

0 150 '

1 inch = 150 feet

N



STRATEGIC MATERIALS, INC.
APPROXIMATELY 11 ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

UTILITY LOCATION MAP

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_X_UTILITY EASEMENT
DATE: 9/12/2024
DRAWN BY: LS
APPROVED BY: AM

Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

FIGURE II.10

0 200 '
1 inch = 200 feet
N

ATTACHMENT I-3

LAND OWNERSHIP MAP AND LIST

[30 TAC §330.59(C)(3)]

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

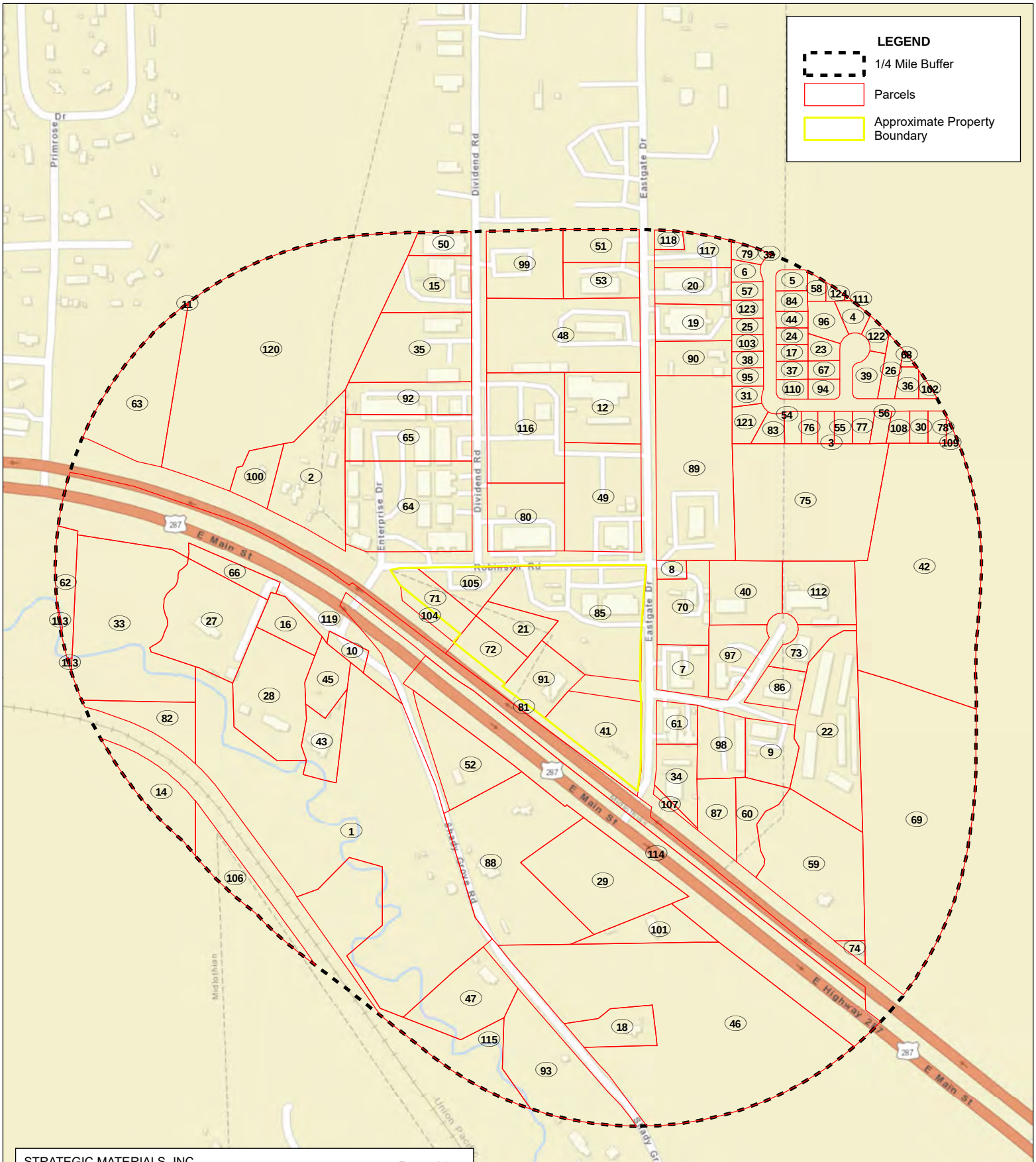
Rev. 0
Date Prepared: September 17, 2024
Revision Date:

Prepared By:

ESE Partners, LLC

2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131



STRATEGIC MATERIALS, INC.
APPROXIMATELY 11 ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

LAND OWNERSHIP MAP

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_I-2_OWNERSHIP
DATE: 9/11/2024
DRAWN BY: LS
APPROVED BY: AM

Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan,

FIGURE I-2

0 500 '
1 inch = 500 feet
N

Identifier	pid	fileasname	legalacre	owneraddr	ownersuite	ownercity	ownerstate	ownerzip
1	185998	RIGSBYS GARDEN CENTER LLC	15.41	3080 SHADY GROVE		MIDLOTHIAN	TX	76065-5539
2	280287	LIBERTY CDL HOLDINGS LLC	2.704	215 CAPE SHORE		KEMP	TX	75143
3	296095	CRENSHAW JENNA M	0.1865	3414 RIDGE MEADOW DR		MIDLOTHIAN	TX	76065
4	296127	BOYCE DONOVAN & KARSEN	0.3982	1002 Rochdale Ct		Midlothian	TX	76065-2768
5	296138	PRATHER KRISTAL D & CLARK LONNIE C JR	0.2333	1006 Fairhaven Dr		Midlothian	TX	76065-2770
6	296083	BLOOMFIELD HOMES LP	0.2078	1900 W KIRKWOOD BLVD STE# 2300B		SOUTHLAKE	TX	76092
7	150064	1240 EASTGATE LLC	1.31	200 N Rogers St Ste A		Waxahachie	TX	75165-3694
8	150065	ALADAY INVESTMENTS LLC & 1020 GROUP LLC	0.36	3021 John T Ln		Midlothian	TX	76065-7068
9	150077	MARTIN MARSHALL	1.43	404 BILL CT		OVILLA	TX	75154-3602
10	215953	TEXAS STATE OF DEPT OF TRANSPORTATION	0.238	125 E 11TH ST		AUSTIN	TX	78701-2409
11	151003	MARTINEZ JOSE E	0	2840 STEVIE MIKE DR		MIDLOTHIAN	TX	76065-6271
12	216089	TLR HYDRAULICS INC	2.001	1031 EASTGATE RD		MIDLOTHIAN	TX	76065
13	151004	MARTINEZ MARIA F & JOSE E MARTINEZ	0.5987	2840 STEVIE MIKE DR		MIDLOTHIAN	TX	76065
14	184306	FIRST TEXAS HOMES INC	52.0246	500 CRESCENT COURT	SUITE 350	DALLAS	TX	75201
15	150123	SC INDUSTRIAL REALTY LLC	1.56	1904 MYKAWA RD		PEARLAND	TX	77581
16	217418	GUERRA ZARAGOZA & YOLANDA	0.708	3008 Shady Grove Rd		Midlothian	TX	76065-5539
17	296134	BLOOMFIELD HOMES LP	0.1865	1900 W KIRKWOOD BLVD STE# 2300B		SOUTHLAKE	TX	76092
18	185986	SHADY GROVE MIDLOTHIAN LP	1.05	PO Box 1145		Midlothian	TX	76065-1145
19	150057	PROGRESSIVE COMPONENTS	1	PO BOX 1535		MIDLOTHIAN	TX	76065-1535
20	150058	ROSS ROBERT G	1	PO BOX 882		MIDLOTHIAN	TX	76065-0882
21	150060	HILL WAYNE	0.411	PO BOX 425		MURCHISON	TX	75778
22	150062	WINDELL VALERIE & SEGRAVES DONNA	3.12	PO BOX 224		MIDLOTHIAN	TX	76065-0224
23	296129	NJOKU AUSTIN & NOELA	0.4552	1005 Rochdale Ct		Midlothian	TX	76065-2769
24	296135	BLOOMFIELD HOMES LP	0.1865	1900 W KIRKWOOD BLVD STE# 2300B		SOUTHLAKE	TX	76092
25	296086	HAYUNGA ANTONIO & MICHELLE	0.1866	1017 Fairhaven Dr		Midlothian	TX	76065-2772
26	296139	GROVE AT MIDLOTHIAN HOMEOWNERS ASSOCIATION INC	0.1865	9800 Hillwood Pkwy Ste 210		Fort Worth	TX	76177-1569
27	186000	SAVAGE TERRY & LUANN	3.084	2876 E HWY 287		MIDLOTHIAN	TX	76065
28	186018	GUERRA ZARAGOZA & YOLANDA	2.999	3008 Shady Grove Rd		Midlothian	TX	76065-5539
29	197468	PARAGON SELF STORAGE LLC	3.074	PO BOX 1270		MANSFIELD	TX	76063
30	296099	BLOOMFIELD HOMES LP	0.2066	1900 W KIRKWOOD BLVD STE# 2300B		SOUTHLAKE	TX	76092
31	296090	JONES KATRINA K & JEFFERY S	0.2025	1033 Fairhaven Dr		Midlothian	TX	76065-2772
32	296081	MINA TAMUNOSIKI P	0.2312	3401 BANCROFT DR		MIDLOTHIAN	TX	76065
33	184307	STANLEY ED & LINDA	4.654	200 DONNA CIR		GRANBURY	TX	76049-7494
34	150074	HIGH POINTE INVESTMENTS LLC	0.976	326 COOPER ST		CEDAR HILL	TX	75104
35	150122	GROUNDS DONNIE G & AMANDA J	2.97	10237 W STATE HIGHWAY 22		BARRY	TX	75102-4123
36	296124	BLOOMFIELD HOMES LP	0.2411	1900 W KIRKWOOD BLVD STE# 2300B		SOUTHLAKE	TX	76092
37	296133	BLOOMFIELD HOMES LP	0.2066	1900 W KIRKWOOD BLVD STE# 2300B		SOUTHLAKE	TX	76092
38	296088	ADEYEYE OLUWAFEMI	0.1866	1025 Fairhaven Dr		Midlothian	TX	76065-2772
39	296125	CASTILLO REBECCA C & JONATHAN D	0.4264	3421 RIDGE MEADOW DR		MIDLOTHIAN	TX	76065
40	150071	TENERY JASON ETAL	1.67	PO BOX 766		MIDLOTHIAN	TX	76065-0766
41	150083	HILL WAYNE	1.876	PO BOX 425		MURCHISON	TX	75778
42	186020	JH LEGACY HOLDINGS LLC	23.62	421 Century Way Ste 100		Red Oak	TX	75154-4441
43	202078	CLARK LINDA S	1.03	3010 SHADY GROVE RD		MIDLOTHIAN	TX	76065-5539
44	296136	BLOOMFIELD HOMES LP	0.1865	1900 W KIRKWOOD BLVD STE# 2300B		SOUTHLAKE	TX	76092
45	185988	CLARK CHRISTOPHER S	0.668	3010 SHADY GROVE RD		MIDLOTHIAN	TX	76065
46	186013	SHADY GROVE MIDLOTHIAN LP	50.086	PO Box 1145		Midlothian	TX	76065-1145
47	186017	ALLEN DANNY EARL	2.08	3210 SHADY GROVE RD		MIDLOTHIAN	TX	76065-5540
48	193342	ELLIS COUNTY OF	4	PO BOX 188		WAXAHACHIE	TX	75168-0188

Identifier	pid	fileasname	legalacre	owneraddr	ownersuite	ownercity	ownerstate	ownerzip
49	194086	DIVIDEND PROPERTIES LP	3	PO BOX 155		MIDLOTHIAN	TX	76065
50	194514	WINDING ROAD LP	0.51	901 PIMLICO		MIDLOTHIAN	TX	76065
51	283041	RODGERS MICHAEL A	1.032	PO BOX 590		MIDLOTHIAN	TX	76065-0590
52	217351	PARAGON SELF STORAGE LLC	1.253	PO BOX 1270		MANSFIELD	TX	76063
53	150045	RODGERS MICHAEL A	0.9642	PO BOX 590		MIDLOTHIAN	TX	76065-0590
54	296093	BLOOMFIELD HOMES LP	0.1865	1900 W KIRKWOOD BLVD STE# 2300B		SOUTHLAKE	TX	76092
55	296096	BLOOMFIELD HOMES LP	0.2066	1900 W KIRKWOOD BLVD STE# 2300B		SOUTHLAKE	TX	76092
56	296107	GROVE AT MIDLOTHIAN HOMEOWNERS ASSOCIATION INC	0.1897	9800 Hillwood Pkwy Ste 210		Fort Worth	TX	76177-1569
57	296084	BLOOMFIELD HOMES LP	0.2067	1900 W KIRKWOOD BLVD STE# 2300B		SOUTHLAKE	TX	76092
58	296140	ARIYO ADEDAYO & NIMIFAA	0.2072	3410 BANCROFT DR		MIDLOTHIAN	TX	76065
59	150063	WINDELL VALERIE & SEGRAVES DONNA	4	PO BOX 224		MIDLOTHIAN	TX	76065-0224
60	150069	HIGH POINTE INVESTMENTS LLC	1.02	326 COOPER ST		CEDAR HILL	TX	75104
61	150075	RICKS WOODWORKS LLC	0.75	1270 EASTGATE RD		MIDLOTHIAN	TX	76065-6231
62	220308	TEXAS DEPARTMENT OF TRANSPORTATION	5.997	4777 US HIGHWAY 80 E		MESQUITE	TX	75150-6643
63	194470	SILKEN INC	6.046	PO BOX 480		MIDLOTHIAN	TX	76065-0480
64	150130	MTH PROPERTIES LP	4.09	871 DIVIDEND		MIDLOTHIAN	TX	76065-7128
65	150131	MTH PROPERTIES LP	2.05	871 DIVIDEND RD		MIDLOTHIAN	TX	76065-7128
66	217411	SAVAGE TERRY & LUANN	0.595	2876 E HWY 287		MIDLOTHIAN	TX	76065
67	296130	YOUNG DOMINIQUE & COLETTA L	0.2526	1009 Rochdale Ct		Midlothian	TX	76065-2769
68	296122	BLOOMFIELD HOMES LP	0.2563	1900 W KIRKWOOD BLVD STE# 2300B		SOUTHLAKE	TX	76092
69	283649	STONEGATE CHURCH	67.066	4025 US 287 E		MIDLOTHIAN	TX	76065
70	185995	ALADAY INVESTMENTS LLC & 1020 GROUP LLC	1.36	3021 John T Ln		Midlothian	TX	76065-7068
71	185997	HILL WAYNE & ELAINE	0.793	PO BOX 425		MURCHISON	TX	75778
72	217926	HILL WAYNE	0.822	PO BOX 425		MURCHISON	TX	75778
73	243549	WELCH HAROLD E & SANDRA	0.805	137 COUNTRY ROAD 1734		CLIFTON	TX	76634-4063
74	186015	OMEILIA STEPHEN & RHONDA R	0.18	8620 FALLOW RUN		LARUE	TX	75770
75	283650	STONEGATE CHURCH	6.108	4025 US 287 E		MIDLOTHIAN	TX	76065
76	296094	BLOOMFIELD HOMES LP	0.1865	1900 W KIRKWOOD BLVD STE# 2300B		SOUTHLAKE	TX	76092
77	296097	BLOOMFIELD HOMES LP	0.2239	1900 W KIRKWOOD BLVD STE# 2300B		SOUTHLAKE	TX	76092
78	296100	BLOOMFIELD HOMES LP	0.2066	1900 W KIRKWOOD BLVD STE# 2300B		SOUTHLAKE	TX	76092
79	296082	RICHARDS DAVID A & ERIKA	0.3886	1001 Fairhaven Dr		Midlothian	TX	76065-2772
80	150036	YARBROUGH LISA	2	11171 GOULD HILL RD		HANOVER	VA	23069
81	217121	TEXAS STATE OF DEPT OF TRANSPORTATION	0.979	125 E 11TH ST		AUSTIN	TX	78701-2409
82	217333	STANLEY ED & LINDA	1.353	200 DONNA CIR		GRANBURY	TX	76049-7494
83	296092	BLOOMFIELD HOMES LP	0.2787	1900 W KIRKWOOD BLVD STE# 2300B		SOUTHLAKE	TX	76092
84	296137	RUIZ MELISA	0.2319	1010 Fairhaven Dr		Midlothian	TX	76065-2770
85	294663	BASSICHIS CO	4.936	P O BOX 968		KATY	TX	77492
86	150073	WELCH HAROLD E & SANDRA	0.805	137 COUNTRY ROAD 1734		CLIFTON	TX	76634-4063
87	150078	HIGH POINTE INVESTMENTS LLC	0.87	326 COOPER ST		CEDAR HILL	TX	75104
88	194464	PARAGON SELF STORAGE LLC	5.453	PO BOX 1270		MANSFIELD	TX	76063
89	150054	HILL WAYNE	5	PO BOX 425		MURCHISON	TX	75778
90	150055	JONES WAYNE DBA PROGRESSIVE	1	PO BOX 1535		MIDLOTHIAN	TX	76065-1535
91	150059	HILL WAYNE & ELAINE	0.762	PO BOX 425		MURCHISON	TX	75778
92	150132	PRISM LIMITED INC	1.5	1045 DIVIDEND RD		MIDLOTHIAN	TX	76065-6223
93	202591	MCCREERY MICHELLE & DOUG MARTIN	8.772	3280 SHADY GROVE RD		MIDLOTHIAN	TX	76065-5540
94	296131	BLOOMFIELD HOMES LP	0.2205	1900 W KIRKWOOD BLVD STE# 2300B		SOUTHLAKE	TX	76092
95	296089	LINARES CESAR V	0.2067	1029 Fairhaven Dr		Midlothian	TX	76065-2772
96	296128	WENDT CHRISTIAN & ALEXANDRA	0.3235	1001 Rochdale Ct		Midlothian	TX	76065-2769

Identifier	pid	fileasname	legalacre	owneraddr	ownersuite	ownercity	ownerstate	ownerzip
97	150072	KIENTZLE WALTER & ELIZABETH	1.31	2220 ASHFORD LN		MIDLOTHIAN	TX	76065-6301
98	150076	MILLER CYNTHIA L/E	1.38	6908 Clearhaven Dr		Dallas	TX	75248-4151
99	257496	JT5B PROPERTIES LLC	2	PO BOX 1684		MIDLOTHIAN	TX	76065
100	284790	NORTHSTAR FARMS INC	0.72	1916 W EMERALD BEND CT		GRANBURY	TX	76049-5584
101	202070	CURRY JOSHUA D	1.044	3444 E MAIN ST		MIDLOTHIAN	TX	76065-5527
102	296123	BLOOMFIELD HOMES LP	0.237	1900 W KIRKWOOD BLVD STE# 2300B		SOUTHLAKE	TX	76092
103	296087	COLLIER HELENA	0.1866	1021 Fairhaven Dr		Midlothian	TX	76065-2772
104	217128	TEXAS STATE OF DEPT OF TRANSPORTATION	0.317	125 E 11TH ST		AUSTIN	TX	78701-2409
105	217936	HILL WAYNE & ELAINE	0.86	PO BOX 425		MURCHISON	TX	75778
106	151153	PEDERSON KATHERINE A	10.8	2001 Highridge Ln		Midlothian	TX	76065-5538
107	215961	TEXAS STATE OF DEPT OF TRANSPORTATION	0.094	125 E 11TH ST		AUSTIN	TX	78701-2409
108	296098	BLOOMFIELD HOMES LP	0.2306	1900 W KIRKWOOD BLVD STE# 2300B		SOUTHLAKE	TX	76092
109	296101	DAY LINDA M & CHRISTOPHER S	0.2066	3614 RIDGE MEADOW DR		MIDLOTHIAN	TX	76065
110	296132	BLOOMFIELD HOMES LP	0.2181	1900 W KIRKWOOD BLVD STE# 2300B		SOUTHLAKE	TX	76092
111	296142	BLOOMFIELD HOMES LP	0.1865	1900 W KIRKWOOD BLVD STE# 2300B		SOUTHLAKE	TX	76092
112	150070	TENERY JASON L ETAL	1.65	PO BOX 766		MIDLOTHIAN	TX	76065
113	217706	FIRST TEXAS HOMES INC	4.443	500 CRESCENT COURT	SUITE 350	DALLAS	TX	75201
114	216121	TEXAS STATE OF DEPT OF TRANSPORTATION	11.218	125 E 11TH ST		AUSTIN	TX	78701-2409
115	186007	KILCHENSTEIN ROBERT C & JULIA KILCHENSTEIN	10.32	PO BOX 370		MIDLOTHIAN	TX	76065
116	150035	DIVIDEND PROPERTIES LP	3	PO BOX 155		MIDLOTHIAN	TX	76065
117	150049	ROSS ROBERT G & MARIE E	0.95	4409 THREE OAKS DR		ARLINGTON	TX	76016-2352
118	201556	ROSS ROBERT G & MARIE E	0.05	4409 THREE OAKS DR		ARLINGTON	TX	76016-2352
119	217325	TEXAS STATE OF DEPT OF	161.203	4777 US HIGHWAY 80 E		MESQUITE	TX	75150-6643
120	227463	D2 SOMERVILLE LLC	37.13	15108 CANYON CRST		DALLAS	TX	75248
121	296091	LATIN DERELL L JR & HEATHER S	0.3867	1037 Fairhaven Dr		Midlothian	TX	76065-2772
122	296126	BLOOMFIELD HOMES LP	0.3982	1900 W KIRKWOOD BLVD STE# 2300B		SOUTHLAKE	TX	76092
123	296085	BLOOMFIELD HOMES LP	0.2067	1900 W KIRKWOOD BLVD STE# 2300B		SOUTHLAKE	TX	76092
124	296141	FUHR AMY	0.2066	3414 BANCROFT DR		MIDLOTHIAN	TX	76065

ATTACHMENT I-4

GENERAL LOCATION MAPS

[30 TAC §330.59(C)(2)]

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

Rev. 0

Date Prepared: September 17, 2024

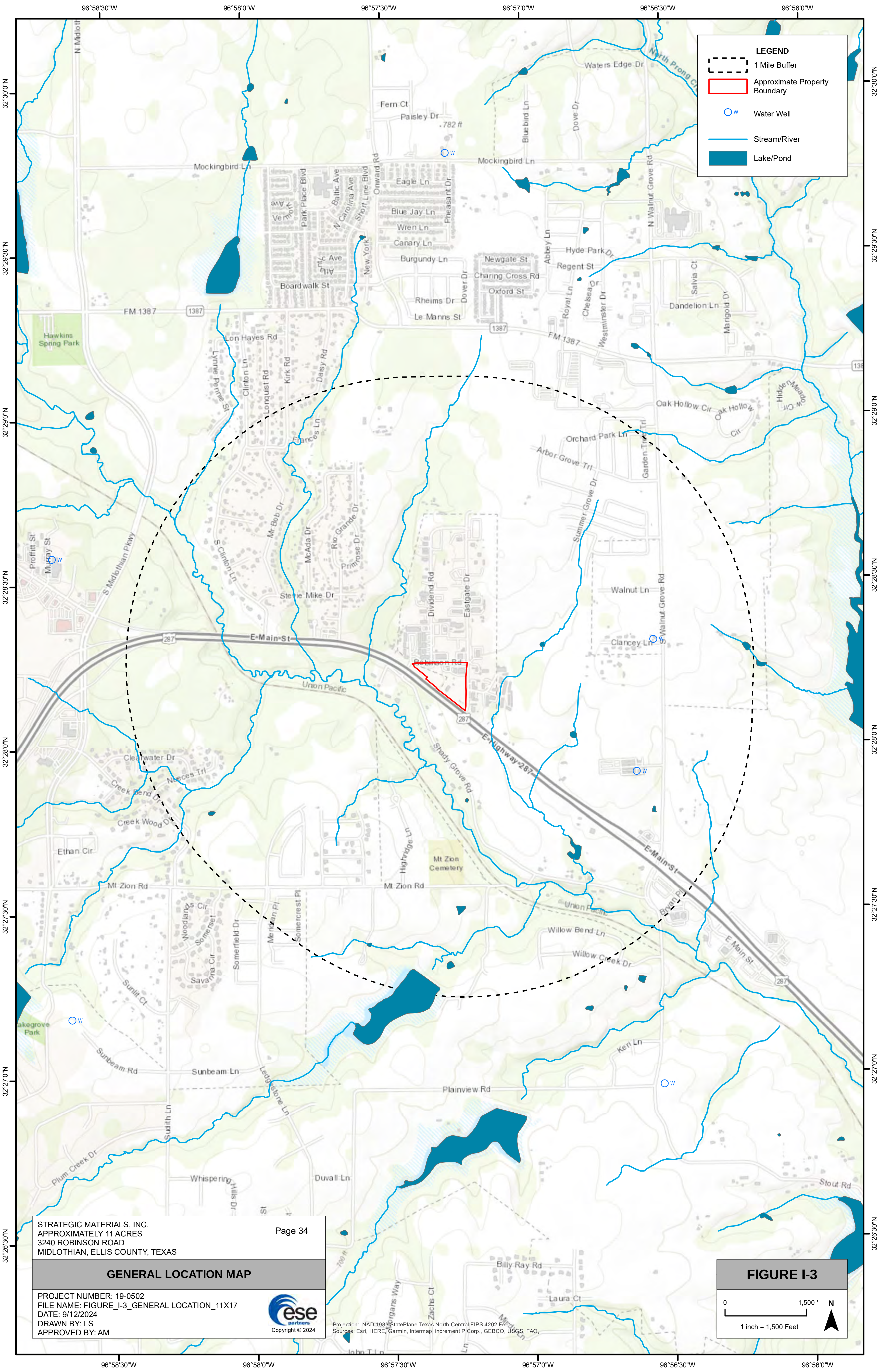
Revision Date:

Prepared By:

ESE Partners, LLC

2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131

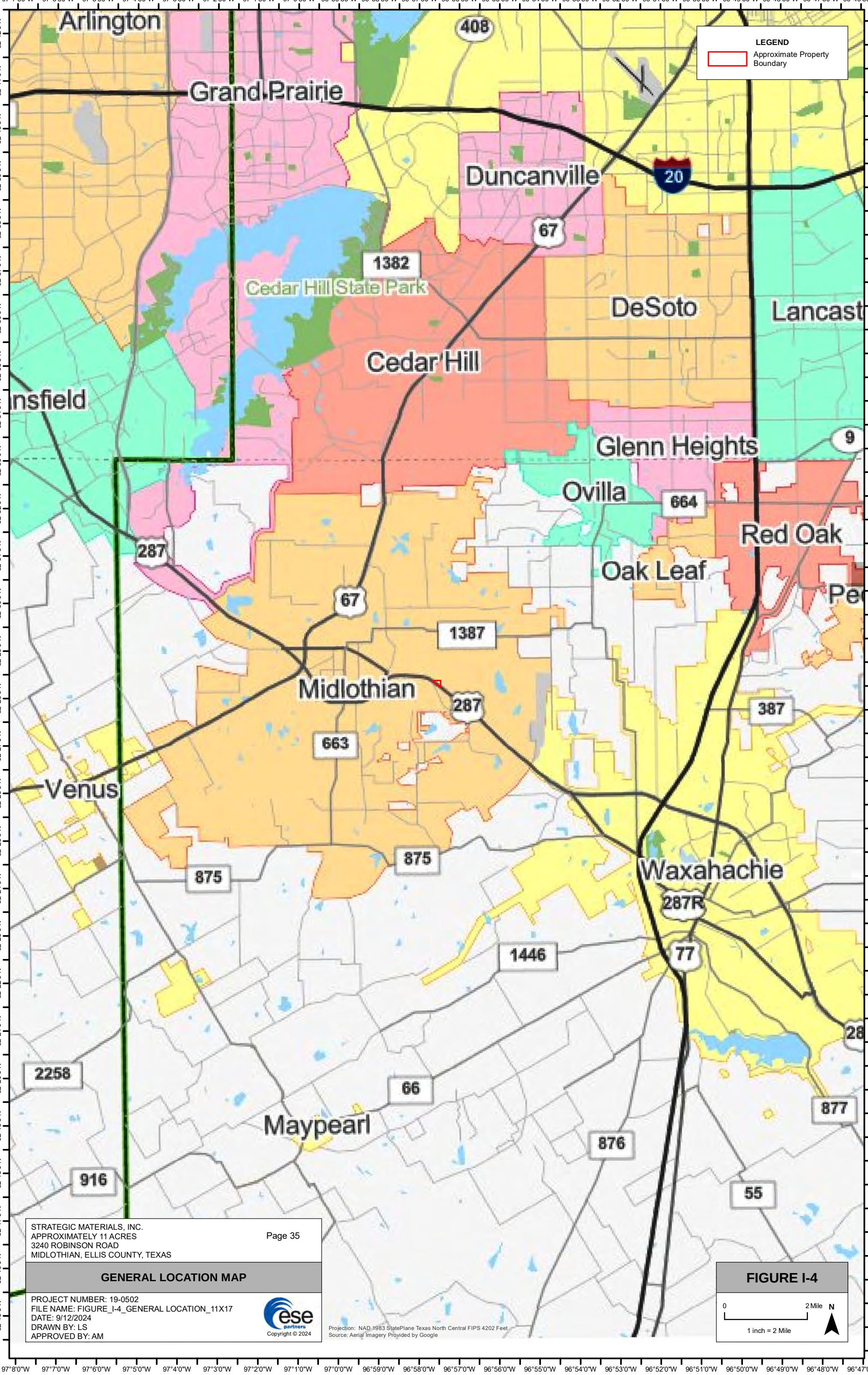

LEGEND
1 Mile Buffer
Approximate Property Boundary
Water Well
Stream/River
Lake/Pond
96°58'30"W
96°58'0"W
96°57'30"W
96°57'0"W
96°56'30"W
96°56'0"W
32°30'0"N
32°29'30"N
32°29'0"N
32°28'30"N
32°28'0"N
32°27'30"N
32°27'0"N
32°26'30"N
North Prong Cr
Waters Edge Dr
Fern Ct
Paisley Dr
782 ft
Mockingbird Ln
Bluebird Ln
Dove Dr
N Midloth
Eagle Ln
Park Place Blvd
Baltic Ave
N Carolina Ave
Short Line Blvd
Onward Rd
Pheasant Dr
Vermont Ave
Blue Jay Ln
Wren Ln
Canary Ln
Burgundy Ln
Atlantic Ave
New York
Boardwalk St
Rheims Dr
Le Manns St
Newgate St
Charing Cross Rd
Oxford St
Dover Dr
Abbey Ln
Hyde Park Dr
Regent St
Royal Ln
Chelsea Dr
Westminster Dr
N Walnut Grove Rd
Salvia Ct
Dandelion Ln
Marigold Dr
FM 1387
1387
Hawkins Spring Park
Lon Hayes Rd
Lynnie Pennie St
Clinton Ln
Lonquist Rd
Kirk Rd
Daisy Rd
Frances Ln
Oak Hollow Cir
Hidden Meadow Cir
Orchard Park Ln
Arbor Grove Trl
Garden Tree Trl
Summer Grove Dr
Mr Bob Dr
S Clinton Ln
McAda Dr
Rio Grande Dr
Primrose Dr
Stevie Mike Dr
Proffitt St
Murray St
S Midlothian Pkwy
Dividend Rd
Eastgate Dr
Walnut Ln
Clancey Ln
S Walnut Grove Rd
E Main St
287
Robinson Rd
Union Pacific
E Highway 287
Shady Grove Rd
Clearwater Dr
Nueces Trl
Creek Bend Dr
Creek Wood Dr
Ethan Cir
Highridge Ln
Mt Zion Cemetery
Mt Zion Rd
Bryan Pl
Willow Bend Ln
Willow Creek Dr
Woodlands Cir
Somerset
Savanna Cir
Somerfield Dr
Meridian Pl
Somercrest Pl
Sunlit Ct
Lakegrove Park
Sunbeam Rd
Sunbeam Ln
Ledgestone Ln
Keri Ln
Plainview Rd
Sudith Ln
Plum Creek Dr
Whispering Hills Dr
Duvall Ln
Stout Rd
700 ft
Morgans Way
Zachs Ct
Billy Ray Rd
Laura Ct
John T Ln
Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO,
0
1,500 '
1 inch = 1,500 Feet
N

STRATEGIC MATERIALS, INC.
APPROXIMATELY 11 ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

GENERAL LOCATION MAP

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_I-3_GENERAL LOCATION_11X17
DATE: 9/12/2024
DRAWN BY: LS
APPROVED BY: AM

FIGURE I-3



STRATEGIC MATERIALS, INC.
APPROXIMATELY 11 ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

GENERAL LOCATION MAP

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_I-4_GENERAL LOCATION_11X17
DATE: 9/12/2024
DRAWN BY: LS
APPROVED BY: AM

Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Aerial Imagery Provided by Google

FIGURE I-4

0 2 Mile N
1 inch = 2 Mile

ATTACHMENT I-5

VERIFICATION OF LEGAL STATUS / LEGAL AUTHORITY

[30 TAC §330.59(E)]

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

Rev. 0

Date Prepared: September 17, 2024

Revision Date:

Prepared By:

ESE Partners, LLC

2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131

1.1 Discussion

Verification of Legal Authority, pursuant to 30 TAC §330.59(e), the owner and operator of the Strategic Materials facility is providing verification of legal status. SMI will be the sole owner/operator of the facility.

1 0 2 0 7 FILED 5 1 7
In the Office of the
Secretary of State of Texas

OCT 20 1995

Corporations Section

APPLICATION FOR AMENDED CERTIFICATE OF AUTHORITY

1. The name of the corporation as it currently appears on the records of the secretary of state of Texas is Allwaste Recycling, Inc.

2. (If the corporation's name was previously unavailable and the corporation elected to use an assumed name in Texas, complete the following.) The assumed name of the corporation as it currently appears on the records of the secretary of state is _____

3. A certificate of authority was issued to the corporation on November 15, 19 90.

4. The corporation name has been changed to Strategic Materials, Inc., (Note: If the corporate name has not been changed, insert "no change.")

5. The name which it elects to use hereafter in the state of Texas is Strategic Materials, Inc.

6. It desires to pursue in Texas purposes other than, or in addition to, those authorized by its certificate of authority, as follows:

no change

7. It is authorized to pursue such purpose or purposes in the state or county under the laws of which it is organized.

8. It desires to change the statement(s) contained in item(s) number of the original or amended certificate or authority to read as follows:

no change

Strategic Materials, Inc.
Name of Corporation

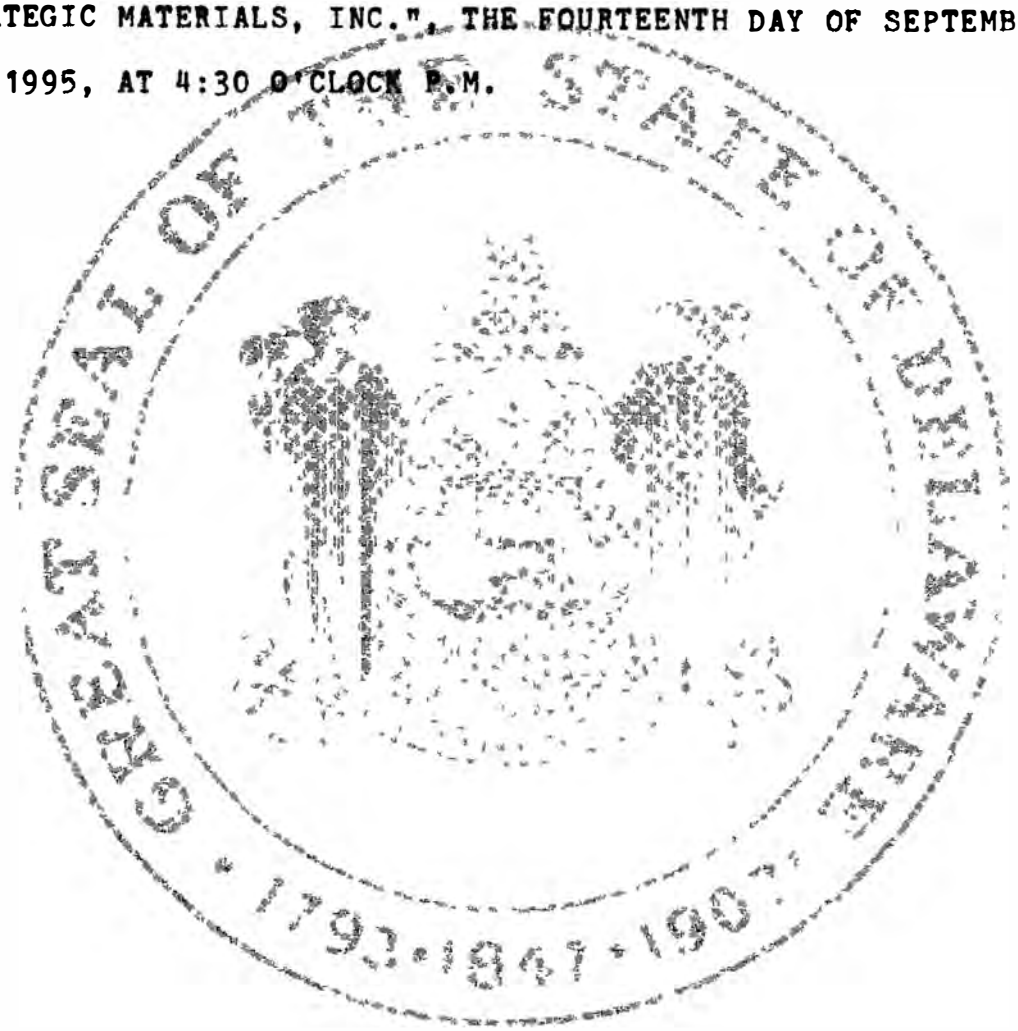
By _____

Its I. T. Corley, Secretary
(Authorized Officer)

State of Delaware

Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THAT THE SAID "ALLWASTE RECYCLING, INC.", FILED A RESTATED CERTIFICATE, CHANGING ITS NAME TO "STRATEGIC MATERIALS, INC.", THE FOURTEENTH DAY OF SEPTEMBER, A.D. 1995, AT 4:30 O'CLOCK P.M.



Edward J Freel, Secretary of State

2214858 8320

950234686

7672586

AUTHENTICATION

10-12-95

DATE

ATTACHMENT I-6

EVIDENCE OF COMPETENCY

[30 TAC §330.59(F)]

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

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STRATEGIC MATERIAL, INC.

Rev. 0

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2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131

1.1 SMI Solid Waste Sites

The information in this attachment is provided in compliance with 30 TAC §330.59(f) as applicable to the facility type for which this application is submitted:

The facility will be owned and operated by Strategic Materials, Inc (SMI). SMI is a Delaware limited partnership qualified to do business in Texas. There are no MSW registered/permitted facilities owned/operated by SMI in Texas. A list of solid waste sites in all states, territories, or counties that are operated by SMI are provided in Attachment I-6.

1.2 SMI Key Personnel

The key personnel involved in the management and operations of SMI, Strategic Material Facility are:

Andrew Crowley, Director of Operations SE Cluster, Sibelco NA.

Manufacturing Management Professional with 20 years' experience in management in the Growing Media and Glass Recycling industries. Andrew began his manufacturing career with Scotts Miracle Gro as Production Manager of a Growing Media automated bagging facility. Following Scotts Andrew joined Sibelco (formerly Strategic Materials) as Plant Manager, where over the past 8 years has advanced to SR Plant Manager, Director of Operations and ultimately Vice President of Operations of glass recycling facilities with full P&L, safety, and environmental responsibilities of up to 7 locations throughout Texas, Georgia, Florida, North Carolina and Texas.

1.3 Equipment

The equipment listed in Part IV, Sile Operating Plan - Section 2.2 will be used to operate this Site. Additional or different units of equipment may be provided as necessary to enhance operational efficiency. Other equivalent types of equipment may be substituted for this equipment on an as-needed basis.

List of all Texas solid waste sites:

There are no MSW registered/permitted facilities owned/operated by SMI in Texas

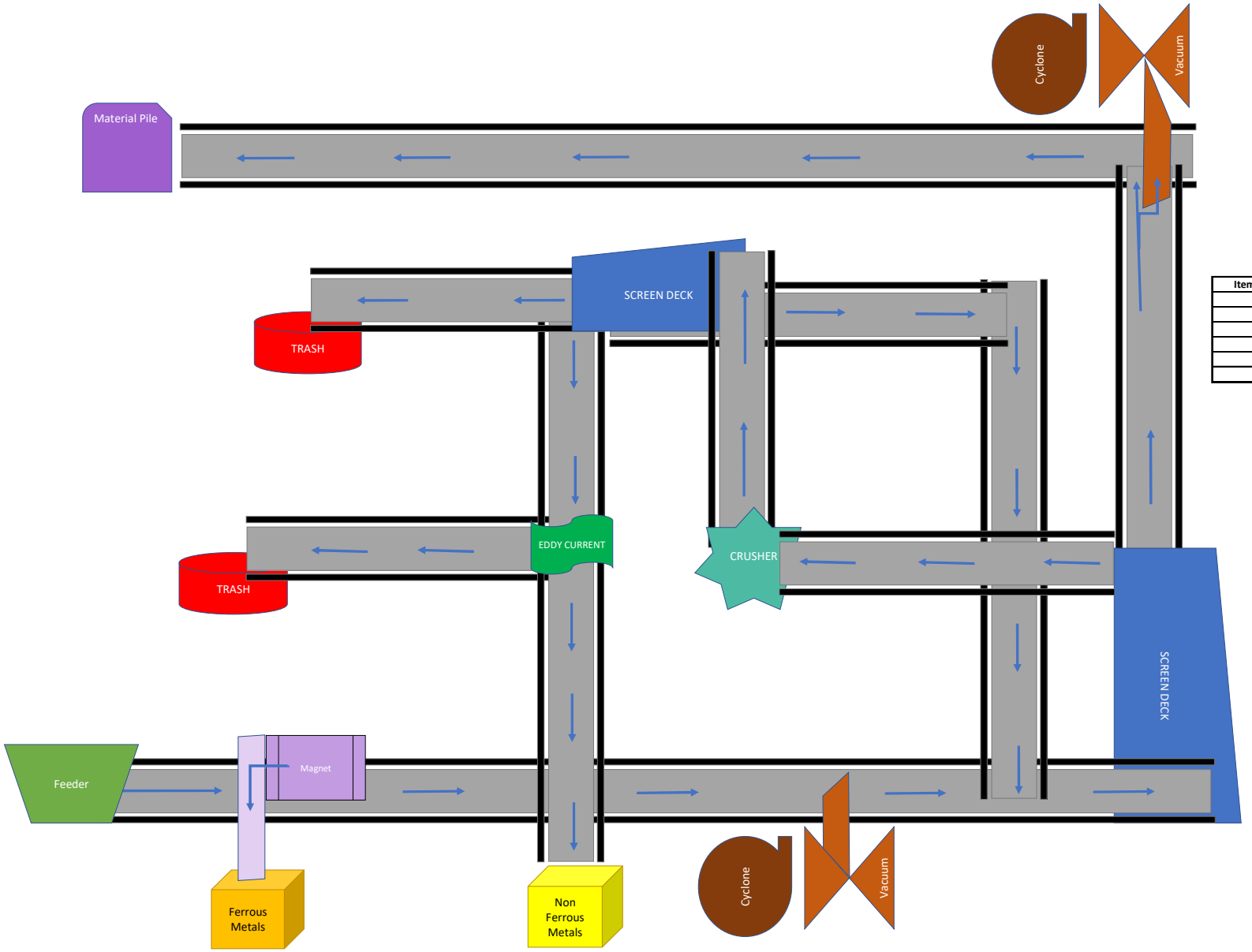
List of solid waste sites in all states, territories, or countries:

Facility Name: Strategic Materials Inc. Material Recovery Facility PR0085477
Location: 5801 East Marginal Way South, Building 14, Seattle, WA 98134
Operating dates: May 2014 - Present
Address of the Regulatory Agency: Seattle-King County Department of Public Health; Environmental Health Services Division; 401 Fifth Ave, Suite 1100, Seattle, WA 98104-1818

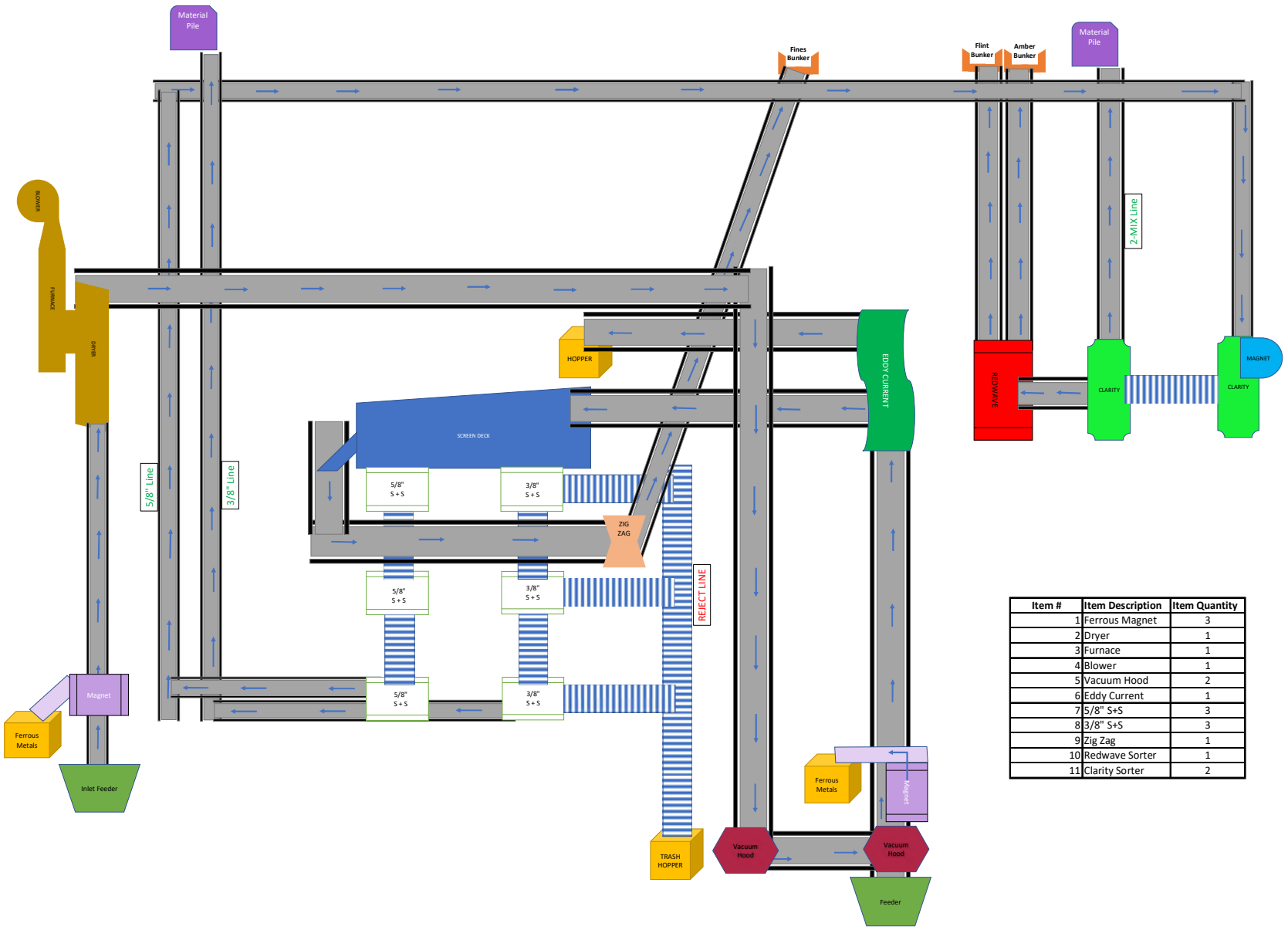
Midlothian, TX Plant Process Flow

STRATEGIC MATERIALS
Recycling Earth's Resources

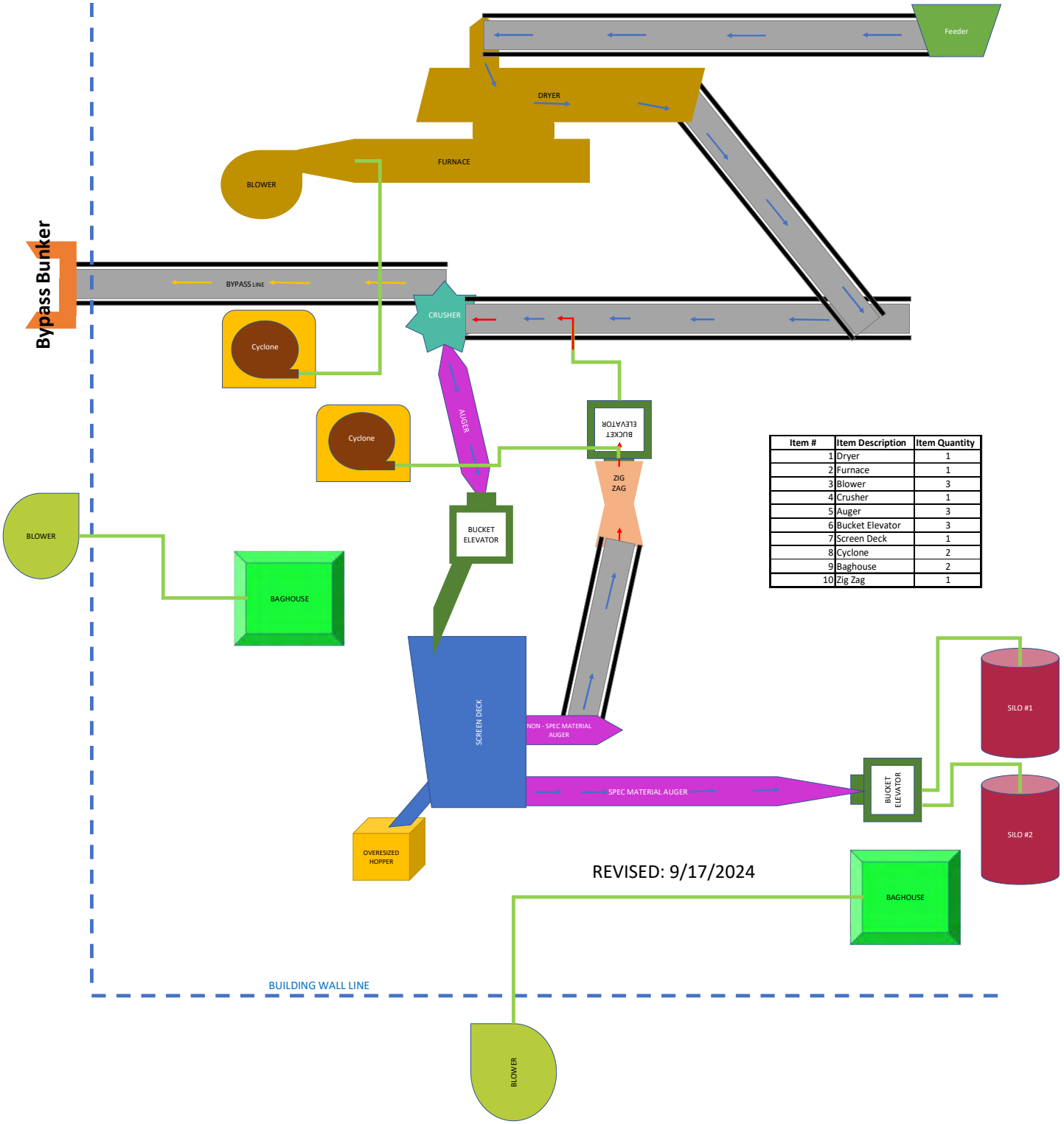
PRE-CLEAN LINE



Item #	Item Description	Item Quantity
1	Ferrous Magnet	1
2	Eddy Current	1
3	Screen Deck	2
4	Crusher	1
5	Cyclone	2
6	Vacuum	2

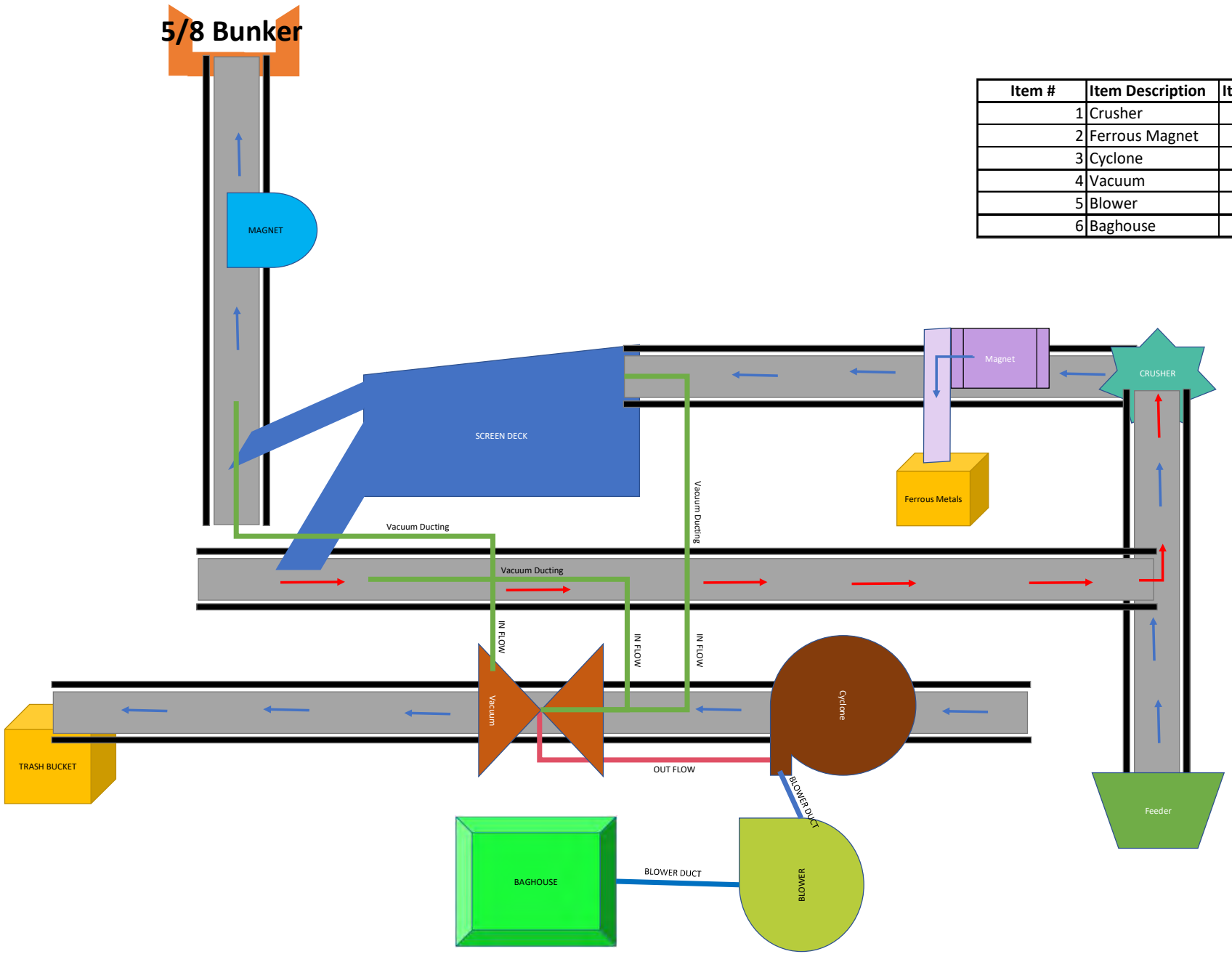


Item #	Item Description	Item Quantity
1	Ferrous Magnet	3
2	Dryer	1
3	Furnace	1
4	Blower	1
5	Vacuum Hood	2
6	Eddy Current	1
7	5/8" S+S	3
8	3/8" S+S	3
9	Zig Zag	1
10	Redwave Sorter	1
11	Clarity Sorter	2



Item #	Item Description	Item Quantity
1	Dryer	1
2	Furnace	1
3	Blower	3
4	Crusher	1
5	Auger	3
6	Bucket Elevator	3
7	Screen Deck	1
8	Cyclone	2
9	Baghouse	2
10	Zig Zag	1

Item #	Item Description	Item Quantity
1	Crusher	1
2	Ferrous Magnet	2
3	Cyclone	1
4	Vacuum	1
5	Blower	1
6	Baghouse	1



ATTACHMENT I-7

CORE DATA FORM(S)

[30 TAC §281.5(7)]

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

Rev. 0

Date Prepared: September 17, 2024

Revision Date:

Prepared By:

ESE Partners, LLC

2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

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

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

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

☐ Other

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	**3. Regulated Entity Reference Number** *(if issued)*
CN 6004180		**RN 102563152**

SECTION II: Customer Information

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

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

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

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

Strategic Materials, Inc.

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*
8585306	17602971164	760297116	968370424

11. Type of Customer: ☒ Corporation ☐ Individual ☐ Partnership: ☐ General ☐ Limited

Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other:

12. Number of Employees

☐ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher

13. Independently Owned and Operated?

☒ **Yes** ☐ **No**

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

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

15. Mailing Address:							
1856 Old Berwick Rd							
City	Bloomsberg	**State**	PA	**ZIP**	17815	**ZIP + 4**	

16. Country Mailing Information *(if outside USA)*	**17. E-Mail Address** *(if applicable)*
	zaucker@smi.com

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(570) 238-5232		( ) -

SECTION III: Regulated Entity Information

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

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

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

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

Strategic Materials

23. Street Address of the Regulated Entity: ***(No PO Boxes)***	3240 Robinson Road							
	City	Midlothian	**State**	TX	**ZIP**	76065	**ZIP + 4**	
24. County	Ellis							

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

25. Description to Physical Location:					
26. Nearest City			**State**	**Nearest ZIP Code**	
Midlothian			TX	76065	
Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).					
27. Latitude (N) In Decimal:	32.470203		**28. Longitude (W) In Decimal:**	-96.954755	
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)
5093			

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

Glass Reclamation

34. Mailing Address:	**3240 Robinson Road**							
	City	**Midlothian**	**State**	**TX**	**ZIP**	**76065**	**ZIP + 4**	
35. E-Mail Address:	**jplummer@smi.com**							

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(262) 581-7132		( ) -

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

SECTION IV: Preparer Information

40. Name:	Amanda Marcks	**41. Title:**	Consultant

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(940) 440-2435		( ) -	amarcks@esepartners.com

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:	Strategic Materials, Inc.	**Job Title:**	VP of Operations
Name *(In Print):*	Paul Garris	**Phone:**	(281) 647- **2781**
Signature:		**Date:**	9/11/2024

ATTACHMENT I-8

PLAIN LANGUAGE SUMMARY FORM

[30 TAC §39.405(K)]

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

Rev. 0

Date Prepared: September 17, 2024

Revision Date:

Prepared By:

ESE Partners, LLC

2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131

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

Strategic Materials, Inc. in Midlothian, Texas operates a glass recycling system which produces crushed/ground glass that is sorted into three colors (amber, clear and green) and sold as a product. The incoming raw material includes bottles and jars from recycling collection programs and plate glass manufacturing rejects.

B. Information About the Applicant

Name: Strategic Materials, Inc.

Applicant Type: Type V Recycling and Recovery Registration

Facility Name: Strategic Materials

Permit Application Number:

Customer Number (CN): CN600418008

Regulated Entity Reference Number (RN): RN102563152

C. Location of the Proposed Facility

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

3240 Robinson Road, Midlothian, TX 76065

Link to Map of Facility Location (TCEQ Location Mapper[2]): https://arcg.is/u0C45

D. Information about Facility Operation

What types of waste would be received?

The Strategic Materials facility sorts waste primarily in collection and acceptance of unprocessed mixed glass. This is received as a cullet (small chunks of glass), additional material such as whole plate glass and whole bottle is received on site as well. Non-glass material such as plastic, paper, cardboard, and metals are removed.

What geographical area would the wastes come from?

SMI collects recyclable materials from eight (8) separate counties within Texas, including Gregg, Smith, Dallas, Tarrant, Travis Bell, and Harris counties, and two (2) cities within Oklahoma.

[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?

The SMI Type V Transfer station facility is proposing to accept waste between the hours of 7:30 a.m. to 5:00 p.m. Monday through Saturday.

At what rate would wastes be accepted?

475 tons per day

How would wastes be managed?

All manufacturing operations are indoors, while material is stored outside is piles and bunkers. The turnover rate on site prevents a build up of material. Non-glass material such as plastic, paper, cardboard, and metals are removed during the manufacturing operations. Metals are sent off site for recycling while other materials are removed as trash and sent off site for disposal.

E. Pollution Control Methods

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

All manufacturing operations are indoors, material that is stored outside are within drainage areas so that stormwater runoff enters a vegetative swale for filtration prior to discharging off site. SMI does not have any sump systems and does not perform washing operations that would generate process wastewater. The plant is currently taking the following measures: deodorizing sprays are available, street sweeping, misting truck to prevent dust, misting system over bunkers to prevent dust, baghouses at silos and loading operations, and regulated housekeeping. Stormwater outfalls are monitored according to the permit to ensure pollutants are not allowed to discharge from the property at levels above discharge limitations.

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

The site is graded and drains to a single outfall. Prior to the outfall, a vegetative swale with rock check damns and additional filtration controls has been constructed so that stormwater runoff enters this drainage feature for filtration prior to discharging off site. Regulated housekeeping within the Stormwater Pollution Prevention Plan calls for the cleanup of debris and the plan includes procedures for the response and clean-up of any spills.

ATTACHMENT I-9

PUBLIC INVOLVEMENT PLAN FORM

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

Rev. 0

Date Prepared: September 17, 2024

Revision Date:

Prepared By:

ESE Partners, LLC

2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131

Texas Commission on Environmental Quality

Public Involvement Plan Form for Permit and Registration Applications

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

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

Section 1. Preliminary Screening

☒ New Permit or Registration Application

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

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

Section 2. Secondary Screening

☒ Requires public notice,

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

☒ Located within any of the following geographical locations:

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

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

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

Section 3. Application Information

Type of Application (check all that apply):

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

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

Water Quality

☐ Texas Pollutant Discharge Elimination System (TPDES)

☐ Texas Land Application Permit (TLAP)

☐ State Only Concentrated Animal Feeding Operation (CAFO)

☐ Water Treatment Plant Residuals Disposal Permit

☐ Class B Biosolids Land Application Permit

☐ Domestic Septage Land Application Registration

Water Rights New Permit

☐ New Appropriation of Water

☐ New or existing reservoir

Amendment to an Existing Water Right

☐ Add a New Appropriation of Water

☐ Add a New or Existing Reservoir

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

Section 4. Plain Language Summary

Provide a brief description of planned activities.

Strategic Materials, Inc. in Midlothian, Texas operates a glass recycling system which produces crushed/ground glass that is sorted into three colors (amber, clear and green) and sold as a product. The incoming raw material includes bottles and jars from recycling collection programs and plate glass manufacturing rejects.

All manufacturing operations are indoors, material that is stored outside are within drainage areas so that stormwater runoff enters a vegetative swale for filtration prior to discharging off site. SMI does not have any sump systems and does not perform washing operations that would generate process wastewater. The plant is currently taking the following measures: deodorizing sprays are available, street sweeping, misting truck to prevent dust, misting system over bunkers to prevent dust, baghouses at silos and loading operations, and regulated housekeeping. Stormwater outfalls are monitored according to the permit to ensure pollutants are not allowed to discharge from the property at levels above discharge limitations.

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.

Midlothian

(City)

Ellis

(County)

Block Group 481390607021

(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

27.26%

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

Less than $15k (6.96%), $15k-$25k (0.74%), $25k-$50k (13.63%), $50k-$75k (14.52%), Greater than $75k (64.15%)

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

Percent People of Color (28%). Race Breakdown - White (84%), African-American (5%), Hispanic-origin (17%), Asian/Pacific Islander (0%), American Indian (1%), Other/Multicultural (10%).

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

0%

(e) Languages commonly spoken in area by percentage

English (89%), Spanish (10%), Other Indo-European (2%), Total Non-English (11%)

(f) Community and/or Stakeholder Groups

City of Midlothian, Ellis County, NTCOG

(g) Historic public interest or involvement

Unknown

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)

ATTACHMENT I-10

FEE PAYMENT RECEIPT

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

Rev. 0

Date Prepared: September 17, 2024

Revision Date:

Prepared By:

ESE Partners, LLC

2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131

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

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

Transaction Information

Trace Number: 582EA000625464
Date: 09/16/2024 02:23 PM
Payment Method: CC - Authorization 000009700G
ePay Actor: AMANDA MARCKS
Actor Email: amarcks@esepartners.com
IP: 108.225.39.126
TCEQ Amount: $150.00
Texas.gov Price: $153.63*

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

Payment Contact Information

Name: AMANDA MARCKS
Company: ESE PARTNERS
Address: 2002 W GRAND PKWY N STE 140, HOUSTON, TX 77449
Phone: 940-440-2435

Cart Items

Click on the voucher number to see the voucher details.

Voucher	Fee Description	AR Number	Amount
721364	MSW PERMIT/REGISTRATION/AMEND/MOD/TEMP AUTHORIZATIONS APPLICATION FEE		$100.00
721365	30 TAC 305.53B MWP NOTIFICATION FEE		$50.00
		TCEQ Amount:	$150.00

ePay Again | Exit ePay

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

ATTACHMENT I-11

MAILING LABELS

[30 TAC §281.5(7)]

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

Rev. 0

Date Prepared: September 17, 2024

Revision Date:

Prepared By:

ESE Partners, LLC

2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131

RIGSBYS GARDEN CENTER LLC

3080 SHADY GROVE

MIDLOTHIAN, TX 76065-5539

LIBERTY CDL HOLDINGS LLC

215 CAPE SHORE

KEMP, TX 75143

CRENSHAW JENNA M

3414 RIDGE MEADOW DR

MIDLOTHIAN, TX 76065

BOYCE DONOVAN & KARSEN

1002 Rochdale Ct

Midlothian, TX 76065-2768

PRATHER KRISTAL D & CLARK LONNIE C JR

1006 Fairhaven Dr

Midlothian, TX 76065-2770

BLOOMFIELD HOMES LP

1900 W KIRKWOOD BLVD STE# 2300B

SOUTHLAKE, TX 76092

1240 EASTGATE LLC

200 N Rogers St Ste A

Waxahachie, TX 75165-3694

ALADAY INVESTMENTS LLC & 1020 GROUP LLC

3021 John T Ln

Midlothian, TX 76065-7068

MARTIN MARSHALL

404 BILL CT

OVILLA, TX 75154-3602

TEXAS STATE OF DEPT OF TRANSPORTATION

125 E 11TH ST

AUSTIN, TX 78701-2409

MARTINEZ JOSE E

2840 STEVIE MIKE DR

MIDLOTHIAN, TX 76065-6271

TLR HYDRAULICS INC

1031 EASTGATE RD

MIDLOTHIAN, TX 76065

MARTINEZ MARIA F & JOSE E MARTINEZ

2840 STEVIE MIKE DR

MIDLOTHIAN, TX 76065

FIRST TEXAS HOMES INC

500 CRESCENT COURT SUITE 350

DALLAS, TX 75201

SC INDUSTRIAL REALTY LLC

1904 MYKAWA RD

PEARLAND, TX 77581

BLOOMFIELD HOMES LP

1900 W KIRKWOOD BLVD STE# 2300B

SOUTHLAKE, TX 76092

PROGRESSIVE COMPONENTS

PO BOX 1535

MIDLOTHIAN, TX 76065-1535

HILL WAYNE

PO BOX 425

MURCHISON, TX 75778

NJOKU AUSTIN & NOELA

1005 Rochdale Ct

Midlothian, TX 76065-2769

HAYUNGA ANTONIO & MICHELLE

1017 Fairhaven Dr

Midlothian, TX 76065-2772

SAVAGE TERRY & LUANN

2876 E HWY 287

MIDLOTHIAN, TX 76065

GUERRA ZARAGOZA & YOLANDA

3008 Shady Grove Rd

Midlothian, TX 76065-5539

SHADY GROVE MIDLOTHIAN LP

PO Box 1145

Midlothian, TX 76065-1145

ROSS ROBERT G

PO BOX 882

MIDLOTHIAN, TX 76065-0882

WINDELL VALERIE & SEGRAVES DONNA

PO BOX 224

MIDLOTHIAN, TX 76065-0224

BLOOMFIELD HOMES LP

1900 W KIRKWOOD BLVD STE# 2300B

SOUTHLAKE, TX 76092

GROVE AT MIDLOTHIAN HOMEOWNERS ASSOCIATION INC

9800 Hillwood Pkwy Ste 210

Fort Worth, TX 76177-1569

GUERRA ZARAGOZA & YOLANDA

3008 Shady Grove Rd

Midlothian, TX 76065-5539

PARAGON SELF STORAGE LLC

PO BOX 1270

MANSFIELD, TX 76063

BLOOMFIELD HOMES LP

1900 W KIRKWOOD BLVD STE# 2300B

SOUTHLAKE, TX 76092

JONES KATRINA K & JEFFERY S

1033 Fairhaven Dr

Midlothian, TX 76065-2772

MINA TAMUNOSIKI P

3401 BANCROFT DR

MIDLOTHIAN, TX 76065

STANLEY ED & LINDA

200 DONNA CIR

GRANBURY, TX 76049-7494

HIGH POINTE INVESTMENTS LLC

326 COOPER ST

CEDAR HILL, TX 75104

GROUNDS DONNIE G & AMANDA J

10237 W STATE HIGHWAY 22

BARRY, TX 75102-4123

BLOOMFIELD HOMES LP

1900 W KIRKWOOD BLVD STE# 2300B

SOUTHLAKE, TX 76092

BLOOMFIELD HOMES LP

1900 W KIRKWOOD BLVD STE# 2300B

SOUTHLAKE, TX 76092

ADEYEYE OLUWAFEMI

1025 Fairhaven Dr

Midlothian, TX 76065-2772

CASTILLO REBECCA C & JONATHAN D

3421 RIDGE MEADOW DR

MIDLOTHIAN, TX 76065

TENERY JASON ETAL

PO BOX 766

MIDLOTHIAN, TX 76065-0766

HILL WAYNE

PO BOX 425

MURCHISON, TX 75778

JH LEGACY HOLDINGS LLC

421 Century Way Ste 100

Red Oak, TX 75154-4441

CLARK LINDA S

3010 SHADY GROVE RD

MIDLOTHIAN, TX 76065-5539

CLARK CHRISTOPHER S

3010 SHADY GROVE RD

MIDLOTHIAN, TX 76065

ALLEN DANNY EARL

3210 SHADY GROVE RD

MIDLOTHIAN, TX 76065-5540

DIVIDEND PROPERTIES LP

PO BOX 155

MIDLOTHIAN, TX 76065

RODGERS MICHAEL A

PO BOX 590

MIDLOTHIAN, TX 76065-0590

RODGERS MICHAEL A

PO BOX 590

MIDLOTHIAN, TX 76065-0590

BLOOMFIELD HOMES LP

1900 W KIRKWOOD BLVD STE# 2300B

SOUTHLAKE, TX 76092

BLOOMFIELD HOMES LP

1900 W KIRKWOOD BLVD STE# 2300B

SOUTHLAKE, TX 76092

SHADY GROVE MIDLOTHIAN LP

PO Box 1145

Midlothian, TX 76065-1145

ELLIS COUNTY OF

PO BOX 188

WAXAHACHIE, TX 75168-0188

WINDING ROAD LP

901 PIMLICO

MIDLOTHIAN, TX 76065

PARAGON SELF STORAGE LLC

PO BOX 1270

MANSFIELD, TX 76063

BLOOMFIELD HOMES LP

1900 W KIRKWOOD BLVD STE# 2300B

SOUTHLAKE, TX 76092

GROVE AT MIDLOTHIAN HOMEOWNERS ASSOCIATION INC

9800 Hillwood Pkwy Ste 210

Fort Worth, TX 76177-1569

BLOOMFIELD HOMES LP

1900 W KIRKWOOD BLVD STE# 2300B

SOUTHLAKE, TX 76092

ARIYO ADEDAYO & NIMIFAA

3410 BANCROFT DR

MIDLOTHIAN, TX 76065

WINDELL VALERIE & SEGRAVES DONNA

PO BOX 224

MIDLOTHIAN, TX 76065-0224

HIGH POINTE INVESTMENTS LLC

326 COOPER ST

CEDAR HILL, TX 75104

RICKS WOODWORKS LLC

1270 EASTGATE RD

MIDLOTHIAN, TX 76065-6231

TEXAS DEPARTMENT OF TRANSPORTATION

4777 US HIGHWAY 80 E

MESQUITE, TX 75150-6643

SILKEN INC

PO BOX 480

MIDLOTHIAN, TX 76065-0480

MTH PROPERTIES LP

871 DIVIDEND

MIDLOTHIAN, TX 76065-7128

MTH PROPERTIES LP

871 DIVIDEND RD

MIDLOTHIAN, TX 76065-7128

SAVAGE TERRY & LUANN

2876 E HWY 287

MIDLOTHIAN, TX 76065

YOUNG DOMINIQUE & COLETTA L

1009 Rochdale Ct

Midlothian, TX 76065-2769

BLOOMFIELD HOMES LP

1900 W KIRKWOOD BLVD STE# 2300B

SOUTHLAKE, TX 76092

STONEGATE CHURCH

4025 US 287 E

MIDLOTHIAN, TX 76065

ALADAY INVESTMENTS LLC & 1020 GROUP LLC

3021 John T Ln

Midlothian, TX 76065-7068

HILL WAYNE & ELAINE

PO BOX 425

MURCHISON, TX 75778

HILL WAYNE

PO BOX 425

MURCHISON, TX 75778

WELCH HAROLD E & SANDRA

137 COUNTRY ROAD 1734

CLIFTON, TX 76634-4063

OMEILIA STEPHEN & RHONDA R

8620 FALLOW RUN

LARUE, TX 75770

STONEGATE CHURCH

4025 US 287 E

MIDLOTHIAN, TX 76065

BLOOMFIELD HOMES LP

1900 W KIRKWOOD BLVD STE# 2300B

SOUTHLAKE, TX 76092

BLOOMFIELD HOMES LP

1900 W KIRKWOOD BLVD STE# 2300B

SOUTHLAKE, TX 76092

BLOOMFIELD HOMES LP

1900 W KIRKWOOD BLVD STE# 2300B

SOUTHLAKE, TX 76092

RICHARDS DAVID A & ERIKA

1001 Fairhaven Dr

Midlothian, TX 76065-2772

YARBROUGH LISA

11171 GOULD HILL RD

HANOVER, VA 23069

TEXAS STATE OF DEPT OF TRANSPORTATION

125 E 11TH ST

AUSTIN, TX 78701-2409

STANLEY ED & LINDA

200 DONNA CIR

GRANBURY, TX 76049-7494

BLOOMFIELD HOMES LP

1900 W KIRKWOOD BLVD STE# 2300B

SOUTHLAKE, TX 76092

RUIZ MELISA

1010 Fairhaven Dr

Midlothian, TX 76065-2770

BASSICHIS CO

P O BOX 968

KATY, TX 77492

HIGH POINTE INVESTMENTS LLC

326 COOPER ST

CEDAR HILL, TX 75104

HILL WAYNE

PO BOX 425

MURCHISON, TX 75778

HILL WAYNE & ELAINE

PO BOX 425

MURCHISON, TX 75778

MCCREERY MICHELLE & DOUG MARTIN

3280 SHADY GROVE RD

MIDLOTHIAN, TX 76065-5540

LINARES CESAR V

1029 Fairhaven Dr

Midlothian, TX 76065-2772

KIENTZLE WALTER & ELIZABETH

2220 ASHFORD LN

MIDLOTHIAN, TX 76065-6301

WELCH HAROLD E & SANDRA

137 COUNTRY ROAD 1734

CLIFTON, TX 76634-4063

PARAGON SELF STORAGE LLC

PO BOX 1270

MANSFIELD, TX 76063

JONES WAYNE DBA PROGRESSIVE

PO BOX 1535

MIDLOTHIAN, TX 76065-1535

PRISM LIMITED INC

1045 DIVIDEND RD

MIDLOTHIAN, TX 76065-6223

BLOOMFIELD HOMES LP

1900 W KIRKWOOD BLVD STE# 2300B

SOUTHLAKE, TX 76092

WENDT CHRISTIAN & ALEXANDRA

1001 Rochdale Ct

Midlothian, TX 76065-2769

MILLER CYNTHIA L/E

6908 Clearhaven Dr

Dallas, TX 75248-4151

JT5B PROPERTIES LLC

PO BOX 1684

MIDLOTHIAN, TX 76065

CURRY JOSHUA D

3444 E MAIN ST

MIDLOTHIAN, TX 76065-5527

COLLIER HELENA

1021 Fairhaven Dr

Midlothian, TX 76065-2772

HILL WAYNE & ELAINE

PO BOX 425

MURCHISON, TX 75778

TEXAS STATE OF DEPT OF TRANSPORTATION

125 E 11TH ST

AUSTIN, TX 78701-2409

DAY LINDA M & CHRISTOPHER S

3614 RIDGE MEADOW DR

MIDLOTHIAN, TX 76065

BLOOMFIELD HOMES LP

1900 W KIRKWOOD BLVD STE# 2300B

SOUTHLAKE, TX 76092

NORTHSTAR FARMS INC

1916 W EMERALD BEND CT

GRANBURY, TX 76049-5584

BLOOMFIELD HOMES LP

1900 W KIRKWOOD BLVD STE# 2300B

SOUTHLAKE, TX 76092

TEXAS STATE OF DEPT OF TRANSPORTATION

125 E 11TH ST

AUSTIN, TX 78701-2409

PEDERSON KATHERINE A

2001 Highridge Ln

Midlothian, TX 76065-5538

BLOOMFIELD HOMES LP

1900 W KIRKWOOD BLVD STE# 2300B

SOUTHLAKE, TX 76092

BLOOMFIELD HOMES LP

1900 W KIRKWOOD BLVD STE# 2300B

SOUTHLAKE, TX 76092

TENERY JASON L ETAL

PO BOX 766

MIDLOTHIAN, TX 76065

FIRST TEXAS HOMES INC

500 CRESCENT COURT SUITE 350

DALLAS, TX 75201

TEXAS STATE OF DEPT OF TRANSPORTATION

125 E 11TH ST

AUSTIN, TX 78701-2409

KILCHENSTEIN ROBERT C & JULIA KILCHENSTEIN

PO BOX 370

MIDLOTHIAN, TX 76065

DIVIDEND PROPERTIES LP

PO BOX 155

MIDLOTHIAN, TX 76065

ROSS ROBERT G & MARIE E

4409 THREE OAKS DR

ARLINGTON, TX 76016-2352

ROSS ROBERT G & MARIE E

4409 THREE OAKS DR

ARLINGTON, TX 76016-2352

TEXAS STATE OF DEPT OF

4777 US HIGHWAY 80 E

MESQUITE, TX 75150-6643

D2 SOMERVILLE LLC

15108 CANYON CRST

DALLAS, TX 75248

LATIN DERELL L JR & HEATHER S

1037 Fairhaven Dr

Midlothian, TX 76065-2772

BLOOMFIELD HOMES LP

1900 W KIRKWOOD BLVD STE# 2300B

SOUTHLAKE, TX 76092

BLOOMFIELD HOMES LP

1900 W KIRKWOOD BLVD STE# 2300B

SOUTHLAKE, TX 76092

FUHR AMY

3414 BANCROFT DR

MIDLOTHIAN, TX 76065

PART II

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

Rev. 0

Date Prepared: September 17, 2024

Revision Date:

Prepared By:

ESE Partners, LLC

2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131

Amanda Marcks
09/16/24

1 INTRODUCTION

Included here-in is Part II of this Municipal Solid Waste (MSW) registration application for the Strategic Materials Facility. Part II of the application provides the information required by Title 30, Texas Administrative Code (TAC), Chapter 330, Subchapter B: Municipal Solid Waste Permit and Registration Application Procedures, 30 TAC §330.61. The format of this Part II document is separated by rule citation.

The 11.00-acre Strategic Materials Facility is located at 3240 Robinson Road, Midlothian, Ellis County, Texas and is entirely within the incorporated limits of the City of Midlothian, Texas. The driveway access to the facility is located along Robinson Road. The City of Midlothian has zoned this Site as “Medium Industrial”. The facility will serve as a transfer station for Municipal Solid Waste (MSW) generated by residents, businesses, schools, and other community facilities primarily in the City of Midlothian and will be available to those same sources in Ellis County, nearby communities and counties, and the two (2) cities in Oklahoma. The facility will be owned and operated by Strategic Materials, Inc.

2 EXISTING CONDITIONS SUMMARY [30 TAC §330.61(A)]

Development in the vicinity of the Site directly correlates to zoning restrictions, as the immediate vicinity of the Site is designated as “Medium Industrial” while the surrounding area is designated as “Planned Development”. There are no water wells located within 500 feet of the Site; and the Site is not located within any easements, buffer zones, or rights-of-ways.

Existing roadway conditions are found to be adequate for the continued intended use of the facility. As this is an existing facility, there are no designed or proposed public roadway improvements such as turning lanes, storage lanes, etc., associated with the Site’s entrances that would require coordination with the City of Midlothian Transportation Engineering Department. Documentation of coordination with Texas Department of Transportation (TxDOT) Dallas District Engineer is provided in Attachment II-6.

The Site has a Stormwater Pollution Prevention Plan (SWPPP) in place according to TPDES MSGP Permit Number TXR05DE60, which complies with 30 TAC §330.227. There are no existing, abandoned, or plugged water wells or oil and gas wells located within the Site. The Site is not located within the Federal Emergency Management Agency (FEMA) 100-year flood zone; based on in-field review of the Site, no wetlands or potentially jurisdictional waters of the U.S. (WOTUS) are located on Site; and the project shall not result in the destruction or adverse modification of critical habitat or cause or contribute to the taking of endangered or threatened species

There are no site-specific conditions that require special design considerations or possible mitigation of conditions based on findings in Sections 8-15 of this Part II.

3 WASTE ACCEPTANCE PLAN [30 TAC §330.61(B)]

The following sections present the information required by 30 TAC §330.61(b) regarding the facility's waste acceptance plan.

3.1 Waste Sources [30 TAC §330.61(b)(1)(A)]

The Strategic Materials Facility will accept waste from a Materials Recovery Facility (MRF) and is a mixed recycling with waste; a certain percentage must be glass. This is received as a cullet (small chunks of glass), additional material such as whole plate glass and whole bottle is received onsite as well. Non-glass material such as plastic, paper, cardboard, and metals are removed. Metals are sent offsite for recycling; other materials are removed as trash. The Strategic Materials Facility collects recyclable materials from eight (8) separate counties within Texas and two (2) cities within Oklahoma. Total populations of counties and cities that are contributing to the MRF's are 14,895,770.

No constituent or characteristic of these wastes is expected to be a limiting parameter that will impact or influence the design and operation of the facility. SMI, the owner and operator of the facility, currently provides collection and recycling service to 30 commercial suppliers in the system and 40 residential suppliers, however all customers are commercial. The design for this facility is based on a maximum rate of waste acceptance of 475 tons of waste per day.

3.2 Maximum Amount of Waste Received at Solid Waste Transfer Station [30 TAC §330.61(b)(1)(B)

The maximum waste acceptance rate at the Strategic Materials Facility is 475 tons per day. The waste collection vehicle capacities that utilized to collect solid waste from commercial customers in their service area can carry about 25-tons each when loaded. They also provide roll-off boxes owned by the Strategic Materials Facility to customers. Table 1 provides a summary of maximum waste collection volumes.

*Table 1**: Strategic Materials Facility Collection Volume by Material Type***

Waste Source	**Waste (Tons)**	**Recyclables (Tons)**	**Total (tons)**
Cullet	66	155	221
Plate	1	50	51
Mix	42	278	320
% of Total	**22.6**	**81.6**	**100**

In addition to these waste collection volumes, it is anticipated and estimated that third party haulers will contribute about 1,000 tons per month from the same general service area. Table 2 provides a Solid Waste Projection over the next five (5) years.

*Table 2**: Estimated TPD and Annual TPY***

Year	TPD	Total TPY*
2024	320	98,880
2025	336	103,824
2026	353	109,077
2027	371	114,639
2028	390	120,510

*6 days per week X 52 weeks - 3 holidays = 309 Days/year

3.2.1 Maximum Amount of Solid Waste to be Stored at the Facility

The SMI facility is designed to accommodate a daily maximum limit of waste acceptance of 475 tons of solid waste per day. All waste is sent to the landfill within 24-72 hours. No more than 200 tons of waste will be temporarily stored on-Site at any time.

The transfer trailers will generally be filled and promptly dispatched to the Turkey Creek Landfill (RN100825462), located at 9100 I-35W, Alvarado, TX less than 50-miles from the SMI site. Under normal operating conditions, solid waste should be hauled to the landfill at least 50 to 68 trips per day. In no event will municipal solid waste be stored at the transfer station for longer than 72 hours. The Turkey Creek Landfill is closed on Sundays and on select holidays, as are many of the landfills in the region. The 72 hours of storage would allow for those times when the landfills are closed on Sunday with a holiday on the following Monday. Under non-holiday circumstances the longest time that municipal solid waste would be stored on-site would typically be from Friday afternoon to Monday morning (around 60 hours). At no time will the amount of stored waste exceed the ultimate capacity of the facility.

3.2.2 Intended Destination

Solid waste received at the Strategic Materials Facility will be loaded onto transport trailers and typically driven to Turkey Creek Landfill (RN100825462), located at 9100 I-35W, Alvarado, TX which Is approximately 22 miles southwest of the facility. Alternatively, waste from the Strategic Materials Facility may be transferred to a TCEQ authorized landfill facility within 50-miles.

3.3 Waste Characteristics [30 TAC §330.61(b)(1)]

3.3.1 Accepted Wastes

The Strategic Materials Facility may accept for storage and processing the following wastes not otherwise prohibited at the facility or at the receiving landfill disposal facility: municipal solid wastes (including household wastes and yard wastes) which are glass waste. There are no waste constituent or characteristic that could be a limiting parameter and may impact or influence the design and operation of the facility, except for the prohibited wastes listed in Section 3.3.2, which may include constituent concentrations and

characteristics such as pH, fats, oil and grease concentrations, total suspended solids, chemical oxygen demand, biochemical oxygen demand, organic and metal constituent concentrations, water content, or other constituents.

3.3.2 Prohibited Wastes

The Strategic Materials Facility may not except for storage or processing various wastes, including:

1) Wastes prohibited from disposal in a municipal solid waste facility by 30 TAC §330.15(e), including various:
    - lead acid storage batteries
    - whole used or scrap tires
    - refrigerators, freezers, air conditioners, and other items containing chlorinated fluorocarbon
    - liquid wastes
    - regulated hazardous wastes
    - polychlorinated biphenyls (PCB) wastes
    - radioactive materials
2) Special wastes defined/listed in 30 TAC §330.154, including various:
    - Hazardous waste from conditionally exempt small-quantity generators
    - Class 1 industrial nonhazardous waste
    - Treatment plant sludges
    - Septic tank pumpings
    - Grease and grit trap wastes
    - Treatment plant wastes
    - Air pollution control facility waste
    - Tanks, drums, or containers used for material listed as a hazardous constituent
    - Slaughterhouse wastes
    - Dead animals
    - Drugs, contaminated foods, or contaminated beverages

- Containers for pesticides, herbicides, fungicides, or rodenticides unless managed per 30 TAC §330.171(c)(5)(A)
- Discarded materials containing asbestos
- Incinerator ash
- Soil contaminated by petroleum products
- Used oil
- Used-oil filters
- Waste from oil, gas, and geothermal activities
- Waste generated outside the boundaries of Texas

3) The following wastes:

- Medical waste
- Large, heavy, or bulky items which can include, but are not limited to, white goods (household appliances), air conditioner units, metal tanks, large metal pieces, automobiles, and other items that will not fit in the transfer box.

3.3.3 Waste Recovery

No waste recovery will occur at the Strategic Materials Facility.

3.3.4 Registration Qualifications [30 TAC §330.61(b)(2)]

The Strategic Materials Facility currently operates a pre-existing recycling facility, which accepts, sorts, and prepares glass material for further processing at other recycling facilities. SMI is seeking registration authorization from the Texas Commission on Environmental Quality (TCEQ) under 30 TAC §330.9(e) to continue recycling operations at the facility. A transfer station may be authorized by registration instead of a permit if it meets all criteria in 30 TAC §330.9(e).

The Strategic Materials Facility is located in the City of Midlothian, Ellis County, Texas. To ensure that the 10% requirement set out in 30 TAC §330.9(e)(1) is achieved for the SMI facility, SMI will, on an annual basis, compare the total weight or weight equivalent of the incoming waste stream to the SMI facility to the amount of un-recyclable solid waste generated and sent to landfill. Alternatively, SMI may, on an annual basis, compare the total weight or weight equivalent of the incoming waste stream to the Strategic Materials Facility to the total weight equivalent of recyclable materials managed in source-separation recycling programs and sent for recycling.

Additionally, the remaining non-recyclable and non-reusable incoming materials will be transferred to a TCEQ authorized MSW landfill located within 50 miles of the transfer station to comply with requirements in [30 TAC §330.0(e)(2)]. The Strategic Materials Facility is anticipated to deliver materials primarily to the Turkey Creek Landfill

(RN100825462), located at 9100 I-35W, Alvarado, TX and is within 50-miles of the Strategic Materials Facility.

4 GENERAL LOCATION MAPS [30 TAC §330.59(C)(1-2); §330.61(C); §330.61(E)]

4.1 General Location Maps

Attachment II-1 contains General Location Maps showing major features of the vicinity of the Strategic Materials Facility, and the location of the Strategic Materials Facility project Site. The map depicts the following items:

4.1.1 Wind Rose [30 TAC §330.61(c)(1)]

A copy of a Wind Rose for Midlothian, Texas Mid-way Regional Airport (as obtained from the Iowa Environmental Mesonet of Iowa State University) is included in Attachment II-1, Figure II.1, and depicts the prevailing wind direction is from the South-Southeast (SSE). The Mid-way Regional Airport is located approximately 2.56 miles northeast of the project site and represents the nearest location for which a Wind Rose was available.

4.1.2 Known Water Wells [30 TAC §330.61(c)(2)]

Attachment II-1 includes Figure II.2 which provides an aerial image which demonstrates that there are no known water wells within 500-feet of the property boundary per the records of the Texas Water Development Board (TWDB).

4.1.3 Structures and Inhabitable Buildings within 500-feet [30 TAC §330.61(c)(3)]

Structures and inhabitable buildings within 500-feet are depicted in Attachment II-1, Figure II.3. These include Robinson Road followed by Manna House Food Pantry, Parrish-Hare Electrical Supply, Dellaco Inc, and Mobile Electronics to the north adjacent the Site. To the east is Eastgate Road and Midlo Mutt Hut.

4.1.4 Features within One Mile of the Facility [30 TAC §330.61(c)(4)]

Features within one (1) mile of the facility are specifically indicated in Attachment II-1, Figure II.4. There are two (2) cemeteries located within one (1) mile of the Site, Krantz Farm Cemetery to the west and Mt. Zion Cemetery to the south. Additionally, there are two (2) churches within one (1) mile of the Site- Restoration Tabernacle to the northeast and Stonegate Church to the southeast. There is one (1) school approximately one (1) mile north of the facility. There are no known licensed day care centers, hospitals, or nursing homes within one (1) mile of the Site.

4.1.5 Roads within One Mile Used by the Facility [30 TAC §330.61(c)(5)]

As shown in Attachment II-1, Figure II.5, major roads within one (1) of the facility include Robinson Road, Eastgate Road, U.S. Highway 287, Shady Grove Road, Ramsey Street, Dividend Street, and Sand Road.

4.1.6 Latitude and Longitude [30 TAC §330.61(c)(6)]

Figure II.6 provides an aerial image with the Site's corresponding latitude and longitude. The Strategic Materials Facility is located at latitude 32.470203 and longitude -96.954755.

4.1.7 Area Streams [30 TAC §330.61(c)(7)]

Streams located within one (1) mile of the Strategic Materials Facility are shown in Attachment II-1, Figure II.7. There are multiple streams within one (1) mile of the Site including Waxahachie Creek just south of the Strategic Materials Facility.

4.1.8 Airports within Six Miles of the Facility [30 TAC §330.61(c)(8)]

There are two (2) airports within six (6) miles of the Strategic Materials Facility. These airports are depicted in Attachment II, Figure II.8. Eagles Nest Estates Airport is located approximately 2.8 miles northeast of the Site and Mid-Way Regional Airport Is located approximately 2.3 miles southeast of the Site.

4.1.9 Property Boundary [30 TAC §330.61(c)(9)]

The facility's property boundaries are depicted in Attachment II, Figure II.9.

4.1.10 Drainage, Pipelines, and Utility Easement [30 TAC §330.61(c)(10)]

Utility easements adjacent to the Site are presented in Attachment II-1, Figure II.10. Drainage features are presented in Attachment II-1, Figure II.11. There are no pipelines located on or adjacent to the Site.

There are five (5) overhead utility lines adjacent to the Site, two (2) 2" water mains, two (2) 8" water mains, and two (2) 4' water mains. One (1) overhead utility line and one (1) 2" water main run through the southern portion of the Site.

In accordance with 30 TAC §330.543, no solid waste unloading, storage, disposal, or processing operations are occurring within any easement, buffer zone, or right-of-way that crosses the facility; no solid waste disposal is occurring within 25 feet of the center line of any utility line or pipeline easement; and all pipeline and utility easements will be clearly marked with posts that extend at least six (6) feet above ground level, spaced at intervals no greater than 300 feet.

4.1.11 Facility Access Control [30 TAC §330.61(c)(11)]

Access control at the Strategic Materials Facility is accomplished by a lockable gated entry and perimeter fencing around and on all sides of the property. Attachment II-1, Figure II.12 depicts the location of the Site's driveway entry points.

4.1.12 Archaeological Sites, Historical Sites, and Sites with Exceptional Aesthetic Qualities Adjacent to the Facility [30 TAC §330.61(c)(12)]

There are no archaeological sites, historic sites, or sites with exceptional aesthetic qualities adjacent to the Site. This is depicted in Attachment II, Figure II.13.

5 FACILITY LAYOUT MAPS [30 TAC §330.61(D)]

5.1 Facility Units and Locations of Buildings [30 TAC §330.61(d)(1) and (4)]

Attachment II-2, Figure II.14, depict the building locations, fencing, entrance roads, and line diagrams for the Strategic Material Facility.

5.2 Interior Facility Roadways and Entrance Roads [30 TAC §330.61(d)(2) and (8)]

Interior facility roadways and entrance roads are depicted in Figure II.14. Trucks may enter along Robinson Road then proceed west along an interior access road to the scale for weigh-in. From there, material is sent to the pre-processing line and then sent to the optical sort line for further processing. Trucks may continue proceeding west along interior access roads and exit the Site from an exit located on Eastgate Road or proceed along interior access roads to leave the facility via the exit on Robinson Road.

5.3 Locations of Monitor Wells [30 TAC §330.61(d)(3)]

There are no monitor wells existing or proposed for this facility.

5.4 Fencing [30 TAC §330.61(d)(6)]

The location of the perimeter security fencing is depicted in Attachment II, Figure II.14.

5.5 Screening [30 TAC §330.61(d)(7)]

The perimeter security fencing shown in Figure II.14 assists in the control of windblown materials.

5.6 Construction Sequence of the Facility [30 TAC §330.61(d)(5)]

The facility is already an existing facility, and no construction is proposed. This section is not applicable to the Strategic Materials Facility.

6 GENERAL TOPOGRAPHIC MAP [30 TAC §330.61(E)]

Attachment II-3, Figure II.15 shows relevant portions of the 7.5-minute USGS map of the Midlothian Quadrangle as required by 30 TAC §330.61(e). The boundaries of the Strategic Materials Facility are clearly overlaid onto this map. The exhibit is provided at a scale of one (1) inch equals 2,000 feet with 10-foot contour intervals. The map shows the surrounding area in over a mile radius from the Strategic Materials Facility.

7 AERIAL PHOTOGRAPH [30 TAC §330.61(F)]

Attachment II-4, Figure II.16 provides an aerial photograph with a scale of one (1) inch equals 2,000 feet and shows the area within at least a one (1) mile radius of the Site. The Site's boundaries are clearly marked in the figure.

8 LAND-USE MAP [30 TAC §330.61(G)]

Attachment II-5, Figure II.17 depicts the facility boundary with the existing zoning on and around surrounding property including actual uses both within the facility and within one (1) mile of the facility. Attachment II-1, Figure II.4 depicts the location of residences, commercial establishments, schools, licensed day-care facilities, churches, cemeteries, ponds or lakes, and recreational areas within one (1) mile of the facility boundary. Attachment II-1, Figure II.11 shows

drainage locations within the facility and Attachment II-1, Figure II.10 depicts utility easements within the facility. Access roads serving the facility are shown in Attachment II-1, Figure II.12.

9 IMPACT ON SURROUNDING AREA [30 TAC §330.61(H) & §330.543]

The following sections address effects the facility may have on cities, communities, and groups of property owners.

9.1 Surrounding Land Uses [30 TAC §330.61(h)(2)]

The Site is located within the immediate vicinity of an industrial area. To the southwest, the Site is directly bordered by Highway 287 followed by riparian forested area along Waxahachie Creek. To the north, the Site is bordered by Robinson Road followed by industrial buildings with various uses including air conditioning contract services, electrical supply warehouses, and a food pantry. To the east, the Site is bordered by Eastgate Road followed by industrial buildings with various uses including dog grooming, pest control, and woodworking facilities, a self-storage facility, and a gym. In the general area surrounding the industrial zone within one (1) mile of the Site includes land uses that are typically undeveloped, or currently under development for residential use. A land use/zoning map can be found in Attachment II-5, Figure II.17.

9.2 Zoning Map [30 TAC §330.61(h)(1)]

According to the Midlothian, Texas zoning map produced by the City of Midlothian, development in the vicinity of the Site directly correlates to zoning restrictions, as the immediate vicinity of the Site is designated as “Medium Industrial” while the surrounding area is designated as “Planned Development”. A land use/zoning map can be found in Attachment II-5, Figure II.17.

9.3 Growth Trends [30 TAC §330.61(h)(3)]

According to an aerial review, a high volume of residential homes are under construction within five (5) miles of the Site. The following table presents the name of the development and the proximity to the Site. No other development of commercial businesses appears to be occurring within five (5) miles of the Site.

Name of Development	Proximity to Site
The Grove by Bloomfield Homes	675 feet NE
Sandin Homes – Villages of Walnut Grove	844 feet E
Highland Homes Bridgewater	0.68 miles E
Redden Farms – Executive Series – David Weekly Homes	0.90 miles NW
Perry Homes – Lakes of Somercrest 70’	0.92 miles SW
Symphony Series at Redden Farms by Impression Homes	1.06 miles NW

Redden Farms by Landsea Homes	1.10 miles N
Redden Farms by John Houston Homes	1.10 miles N
Grand Homes – Somercrest	1.30 miles SW
Bridgewater by Tri Pointe Homes	1.48 miles SE
Hayes Crossing – John Houston Homes	1.52 miles E
Unnamed residential development	2.01 miles NE
Ridgepoint – John Houston Homes	2.81 miles SW
Unnamed residential development	2.93 miles N
Unnamed residential development	3.27 miles S
Oak Creek Ranch by John Houston Homes	3.59 miles S
Dove Creek – John Houston Homes	3.77 miles SW

9.4 Proximity of Site to Sensitive Receptors [30 TAC §330.61(h)(4)]

The following sections detail the nearest sensitive receptors within one (1) mile of the Site.

9.4.1 Population Densities within a Mile of the Site

According to 2022 census tract data presented by the U.S. Census Bureau, within one mile of the Site, the population density of the area is approximately 306 persons per square mile. The average occupancy is 2.95 persons per residence. Review of aerial imagery shows high density residential development currently under construction within one mile of the Site. As such, the information provided may not reflect current population trends. A population density map can be found in Attachment II-5, Figure II.18.

9.4.2 Proximity to Residences within a Mile of the Site

The nearest residential property is located south of Highway 287, located approximately 620 feet south of the Site. Large high-density residential neighborhoods are currently under construction approximately 650 feet northeast of the Site. There are 675 households within one mile of the Site.

9.4.3 Proximity to Commercial Establishments within a Mile of the Site

To the north, the Site is bordered by Robinson Road followed by industrial buildings with various uses including air conditioning contract services, electrical supply warehouses, and a community food pantry. To the east, the Site is bordered by Eastgate Road followed by industrial buildings with various uses including dog grooming, pest control, woodworking facilities, and self-storage facilities, as well as a gym. Inhabitable buildings are depicted in Attachment II-1, Figure II.3.

9.4.4 Proximity to Schools within a Mile of the Site

The nearest school, Midlothian Heritage High School, is located approximately 0.84 miles northeast of the Site. No other schools are located within the Site. A map depicting the school in proximity to the Strategic Materials Facility can be found in Attachment II-1, Figure II.4.

9.4.5 Proximity to Churches

According to review of Ellis County Central Appraisal District (ECAD 2024) parcel data and Google Earth (Google 2024), two churches are located within one mile of the Site. An established sanctuary for Stonegate Church is located approximately 0.53 miles east of the Site, however this church owns additional undeveloped land in the general vicinity of Site. The nearest parcel owned by Stonegate Church, which totals approximately 6.11 acres, is located approximately 350 feet northeast of the Site, while another parcel, totaling approximately 67.07 acres, is located approximately 840 feet east of the Site. A map depicting churches within one (1) mile of the Site can be found in Attachment II-1, Figure II.4.

9.4.6 Proximity to Cemeteries

Two cemeteries are located within one mile of the Site. Mt. Zion Cemetery is located approximately 0.53 miles south of the Site. Krantz Family Cemetery is located approximately 3,560 feet west of the Site. A map depicting cemeteries within one (1) mile of the Site can be found in Attachment II-1, Figure II.4.

9.5 Water Wells within 500 Feet [30 TAC §330.61(h)(5)]

According to a review of Texas Water Development Board Water Data Interactive Map, no water wells are located within 500 feet of the Site. The nearest water well, State Well Number 3333202, is located approximately 0.63 miles southeast of the Site. Attachment II-1, Figure II.2 depicts there are no well locations within 500 feet of the Site.

9.6 Easements, Buffer Zones, and Rights-of-Ways [30 TAC §330.543(a)]

According to review of Texas Department of Transportation (TxDOT) right-of-way maps and the National Conservation Easement Database, the Site is not located within any easements, buffer zones, or rights-of-ways.

10 TRANSPORTATION

10.1 Availability and Adequacy of Roads [30 TAC §330.61(i)(1)]

Westwood Professional Services, Inc conducted a comprehensive Traffic Report included in Attachment II-6. The following sections summarize their findings.

The Site is located directly north of Highway 287. According to TxDOT, Highway 287 is a principal arterial roadway, indicating the roadway is capable of providing a high level of mobility to a large amount of traffic over long distances at high speeds. Additionally, the Site is bound to the north by Robinson Road and to the east by Eastgate Road. Robinson Road and Eastgate Road are minor local roads, however, are critical to providing adequate access to the Site. Along Highway 287, the Site can be accessed by one (1) major entry driveway, however this access point does not appear to be in use. Along Robinson Road, the Site can be accessed by six (6) entry driveways, five (5) of which are in primary use. Along Eastgate Road, the Site can be

accessed by three (3) entry driveways, one (1) of which is in primary use. A figure depicting the primary driveways can be found in Attachment II-1, Figure II.12.

10.1.1 Volume of Vehicular Traffic [30 TAC §330.61(i)(2) and (3)]

Historical traffic volumes from the Texas Department of Transportation (TxDOT) Traffic Count Database System (TCDS) show that the traffic volumes on Robinson Road and Eastgate Road are approximately 2,000 vehicles per day. Surrounding properties accessing both streets are generally built out with low-density industrial/commercial buildings. No significant changes to the land uses along the roadways appear to have occurred in over ten years, and no significant changes or further development are apparent. Therefore, background traffic growth is considered negligible. Based on planning guidelines developed by the North Central Texas Council of Governments, two-lane local roadways in a commercial environment provide a daily volume capacity of approximately 9,500 vehicles per day, so both roadways utilize less than 25% of the theoretical daily capacity.

The recent TCDS traffic volume on US 287 is over 61,000 vehicles per day, which is significantly over the theoretical daily capacity of 37,000 vehicles per day. The corridor is also experiencing rapid growth of over ten percent per year, which has precipitated the planning for the addition of frontage roads and elimination of at-grade intersections within the corridor. After implementation of the proposed improvements, the traffic characteristics of the corridor will change significantly with regional traffic remaining on the main lanes and local traffic on the frontage roads. According to TxDOT planning studies, the projected traffic volumes on the future frontage roads at regional buildout are anticipated to utilize less than 50% of the available roadway capacity.

10.1.2 Existing Traffic Data

Based upon information from the operator, the proposed use is anticipated to generate approximately 156 vehicular trip ends per day, including 100 truck trip ends. [NOTE: each vehicle entry to or exit from the site at any driveway is considered a trip end.] Additional information is provided below:

- Hours of operation: 7:30 AM – 5:00 PM (Monday-Saturday) [peak truck traffic period: 9:00-11:00 AM]
- Number of daily employees: 28
- Transfer trucks per day: 50
- Other trips generated: Less than ten (10) equipment/supply deliveries per week (must enter and exit at the scale house on Robinson Road)
- Driveways: can be gated to prevent site access outside of hours of operation

10.1.3 Conclusions

Direct access to the site will primarily occur on Robinson Road with limited, secondary access (truck egress only) provided on Eastgate Road. Both roadways are public and provide ample excess roadway capacity. No improvements to the roadways are required to accommodate the trips generated by the proposed use.

The subject site is accessible from US 287 in Midlothian, Texas. Currently, US 287 operates well over the theoretical roadway capacity. However, the addition of frontage roads and the

removal of at-grade intersections along US 287, which will significantly increase roadway capacity, is underway by the Texas Department of Transportation. The project to upgrade the corridor is scheduled to be let in 2028 pending funding availability. Upon completion, US 287 will provide surplus roadway capacity.

The proposed use is projected to generate approximately 156 trip ends (50 trucks generated and 28 employees generated) per day between 7:30 AM and 5:00 PM. The majority of employees will arrive at the site during the AM peak traffic period and depart during the PM peak traffic period. The majority of truck trips generated by the site will occur outside of the peak traffic hours.

10.2 Design Coordination

As this is an existing facility, there are no designed or proposed public roadway improvements such as turning lanes, storage lanes, etc., associated with the Site's entrances that would require coordination with the City of Midlothian Transportation Engineering Department. Documentation of coordination with Texas Department of Transportation (TxDOT) Dallas District Engineer is provided in Attachment II-6.

10.3 Impact of the Facility on Airports [30 TAC §330.545(b)]

Two (2) small airports are located within six (6) miles of the Site (Attachment II-1, Figure II.8). Mid-Way Regional Airport is located approximately 2.32 miles southeast of the Site and Eagle's Nest Est Airport T-56 is located approximately 3.04 miles northeast of the Site. No large commercial airports are located within five (5) miles of the Site. As the Site is not considered a new municipal solid waste landfill unit or lateral expansion, airport notification is not applicable to the Site.

11 GENERAL GEOLOGY AND SOILS STATEMENT [30 TAC §330.61(J)]

The following sections address the site location in terms of geology, soils, and fault and seismic zones. Maps depicting the geology and soils present at the Strategic Materials Facility are provided in Attachment II-7, Figures II.19 and II.20 respectively.

11.1 General Geology Data for the Site [30 TAC §330.61(j)(1)]

According to the U.S. Geological Survey, the Site is located within one geologic unit, Austin Chalk (Kau), which can be described as "*Upper and lower parts, chalk, mostly microgranular calcite, massive, some interbeds and partings of calcareous clay, thin bentonitic locally in lower part, lower part forms westward-facing scarp; light gray. Middle part, mostly thing-bedded marl with interbeds of massive chalk, loccaly burrowd [sic], marcasite-pyrite modules common, light gray. Weahters [sic] white, marine megafossils scarce, thickness 300-500 feet, thins southward*". A figure depicting geology within the Site can be found in Attachment II-8, Figure II.9.

No on-site local geologic or geomorphological features are located within the Site. Stockpiles of glass to be recycled are located within the Site, however these piles are closely monitored and are not susceptible to mass movement.

11.2 General Soil Data for the Site [30 TAC §330.61(j)(1)]

According to a review of the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey (USGS 2024) three (3) soils units are located within the Site: Austin silty clay, 1 to 3 percent slopes (AuB) comprises approximately 4.1 acres (37.3%) within the eastern portion of the Site, Austin silty clay, 2 to 5 percent slopes, moderately eroded (AuC2) comprises approximately 3.5 acres (31.9%) within the western portion of the Site, and Eddy gravelly clay loam, 1 to 3 percent slopes (EcB) comprises approximately 3.4 acres (30.8%) within central portion of the Site. A figure depicting soils within the Site can be found in Attachment II-8, Figure 10.

The following soil unit descriptions were taken from the USGS Web Soil Survey.

Austin Silty Clay (AuB), 1 to 3 Percent Slopes

Major component: “The Austin component makes up 90 percent of the map unit. Slopes are 1 to 3 percent. This component is on ridges on dissected plains. The parent material consists of residuum weathered from chalk. Depth to a root restrictive layer, bedrock, paralithic, is 22 to 39 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the R086AY007TX Southern Clay Loam ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 80 percent. There are no saline horizons within 30 inches of the soil surface.”

Minor component: Houston Black, a minor soil component, makes up 10% of the soil map unit.

Austin Silty Clay (AuC2), 2 to 5 Percent Slopes, Moderately Eroded

Major component: “The Austin, moderately eroded component makes up 85 percent of the map unit. Slopes are 2 to 5 percent. This component is on ridges on dissected plains. The parent material consists of residuum weathered from chalk. Depth to a root restrictive layer, bedrock, paralithic, is 22 to 39 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the R086AY007TX Southern Clay Loam ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 80 percent. There are no saline horizons within 30 inches of the soil surface.”

Minor component: Houston Black, a minor soil component, makes up 15% of the soil map unit.

Eddy Gravelly Clay Loam (EcB), 1 to 3 Percent Slopes

Major component: “The Eddy component makes up 95 percent of the map unit. Slopes are 1 to 3 percent. This component is on ridges on dissected plains. The parent material consists of residuum weathered from Austin chalk. Depth to a root restrictive layer, bedrock, paralithic, is 3 to 15 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is very low.

Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R086AY001TX Northern Chalky Ridge ecological site. Nonirrigated land capability classification is 4s. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 60 percent."

Minor component: An unnamed minor soil component makes up 5% of the soil map unit.

11.3 Faults, Seismic Zones, and Unstable Areas [30 TAC §330.61(j)(2) thru (4)]

As the Site is not classified as a landfill, this section is not applicable for a Type V Municipal Solid Waste Transfer Station.

12 GROUNDWATER AND SURFACE WATER [30 TAC §330.61(K)]

Groundwater conditions, surface water conditions, and compliance with TPDES requirements are presented in the following sections.

12.1 Groundwater Conditions [30 TAC §330.61(k)(1)]

According to aquifer data obtained from the Texas Water Development Board (TWDB), the Site is located over the Trinity Aquifer, a major aquifer, as well as the Woodbine Aquifer, a minor aquifer. A figure depicting the major aquifer within the Site can be found in Attachment II-8, Figure II.21.

According to the TWDB, the Trinity Aquifer can be described as "*A major aquifer that extends across much of the central and northeastern part of the state. It is composed of several smaller aquifers contained within the Trinity Group. Although referred to differently in different parts of the state, they include the Antlers, Glen Rose, Paluxy, Twin Mountains, Travis Peak, Hensell, and Hosston aquifers. These aquifers consist of limestones, sands, clays, gravels, and conglomerates. Their combined freshwater saturated thickness averages about 600 feet in North Texas and about 1,900 feet in Central Texas. In general, groundwater is fresh but very hard in the outcrop of the aquifer. Total dissolved solids increase from less than 1,000 milligrams per liter in the east and southeast to between 1,000 and 5,000 milligrams per liter, or slightly to moderately saline, as the depth to the aquifer increases. Sulfate and chloride concentrations also tend to increase with depth. The aquifer is one of the most extensive and highly used groundwater resources in Texas. Although its primary use is for municipalities, it is also used for irrigation, livestock, and other domestic purposes. Some of the state's largest water level declines, ranging from 350 to more than 1,000 feet, have occurred in counties along the IH-35 corridor from McLennan County to Grayson County. These declines are primarily attributed to municipal pumping, but they have slowed over the past decade as a result of increasing reliance on surface water*".

According to the TWDB, the Woodbine Aquifer can be described as "*A minor aquifer located in northeast Texas. The aquifer overlies the Trinity Aquifer and consists of sandstone interbedded with shale and clay that form three distinct water-bearing zones. The Woodbine Aquifer reaches 600 feet in thickness in subsurface areas, and freshwater saturated thickness averages about 160 feet. Water quality and yield vary with the depth of the aquifer. The lower zones of the aquifer typically yield the most water, whereas the upper zone yields limited water that tends to*

be very high in iron. In general, water to a depth of 1,500 feet is fresh, containing less than 1,000 milligrams per liter of total dissolved solids. Water at depths below 1,500 feet is slightly to moderately saline, containing from 1,000 to 4,000 milligrams per liter of total dissolved solids. The aquifer provides water for municipal, industrial, domestic, livestock, and small irrigation supplies."

12.2 Surface Water Conditions at the Site [30 TAC §330.61(k)(2)]

According to the Surface Water Quality Viewer managed by the TWDB, there are no surface water bodies or stream segments within the Site. However, there are multiple streams within one (1) mile of the Site, including Waxahachie Creek.

According to the National Hydrography Database (NHD), there are no waterbodies or flowlines within the Site. According to the Texas Watershed Viewer managed by the Texas Parks and Wildlife, the Site is located within the Waxahachie Creek Watershed, Headwaters Waxahachie Creek sub-watershed, the Trinity River Basin, and the Chambers River sub-basin. Surface flow from the Site enters a MS4, flows approximately 841 feet southeast to Waxahachie Creek within the Headwaters Waxahachie Creek Watershed (120301090301). A figure depicting NHD data, and the surface flow path can be found in Attachment II-1, Figure II.2.

12.3 Compliance with TPDES Requirements [30 TAC §330.61(k)(3)]

According to 30 TAC §330.227, the Site is required to design all storage and processing areas to control and contain spills and contaminated water from leaving the facility. The design is to be sufficient to control and contain a worst-case spill or release. Additionally, unenclosed containment areas shall also account for precipitation from a 25-year, 24-hour storm.

The Site has a Stormwater Pollution Prevention Plan (SWPPP) in place according to TPDES MSGP Permit Number TXR05DE60, which complies with 30 TAC §330.227. As a part of the SWPPP, on-site staff are trained in implementing the SWPPP and monitoring, conducting, sampling, examining, and reporting discharges. Additionally, ESE Partners conducts a comprehensive site compliance evaluation at least once per calendar year, and quality controls to ensure all reporting and SWPPP are implemented and conducted correctly. As such, the facility's continued operations do not violate the state water quality standards, toxic effluent standards, prohibition under the Clean Water Act §307.

13 ABANDONED OIL, GAS, AND WATER WELLS [30 TAC §330.61(L)]

The following sections provide information pertaining to existing or abandoned water wells, oil wells, or gas wells located within the Site.

13.1 Existing or Abandoned Water Wells at the Site [30 TAC §330.61(l)(1)]

According to a review of Texas Water Development Board Water Data Interactive Map, no existing, abandoned, or plugged water wells are located within the Site. Attachment II-1, Figure II.2 depicts well locations within 500 feet of the Site.

13.2 Existing or Abandoned Oil or Gas Wells at the Site [30 TAC §330.61(l)(2)]

According to a review of the Texas Railroad Commission Public GIS map, no existing or abandoned oil or gas wells are located at the Site. Attachment II-9, Figure II.22 demonstrates no oil or gas wells are located within the Site.

14 FLOODPLAINS AND WETLANDS STATEMENT [30 TAC §330.61(M)]

14.1 Floodplains [30 TAC §330.61(m)(1)]

According to FEMA Flood Insurance Rate Map (FIRM) 48139C0155G, dated October 19, 2023, the Site is not located within the Federal Emergency Management Agency (FEMA) 100-year flood zone. A figure depicting the FEMA flood zones can be found in Attachment II-10, Figure II.23.

14.2 Wetlands [30 TAC §330.61(m)(2) and (3), §330.553(A)&(b), §330.553(b)(1), §330.553(b)(3)(A) thru (F), §330.553(b)(4)],

According to 30 TAC §330.61 (m) (2) and (3), a wetlands determination is required in accordance with 30 TAC §330.553. According to 30 TAC §330.553, a wetlands determination is required for new municipal solid waste landfill units, lateral expansions, or material recovery operations from a landfill. As the recycling facility is an existing operation, 30 TAC §330.61 (m) (2) and (3) and 30 TAC §330.553 do not apply.

The Site is fully developed as a recycling facility and the natural state of the Site is highly altered. According to the National Wetland Inventory and National Hydrography Dataset, no waterbodies or wetlands are located within the Site, as depicted in Attachment II-11, Figure II.24 and Attachment II-1, Figure II.7, respectively. Based on in-field review of the Site, no wetlands or potentially jurisdictional waters of the U.S. (WOTUS) are located on Site.

15 ENDANGERED OR THREATENED SPECIES [30 TAC §330.61(N)]

The following sections discuss the likelihood of state or federally listed threatened or endangered species to be affected by activities conducted within the Site.

15.1 Background

ESE conducted a search of Texas Natural Diversity Database (TXNDD) for Element Occurrence (EO) records within one (1) mile of the Site (Attachment II-12, Figure II.25). The TXNDD identified no EO records for federally-or state-listed species within the vicinity of the Site. Of the species listed by USFWS and TPWD for Ellis County, the following species have the potential to occur within Ellis County, however will not be affected by activities within the Site: Alligator Snapping Turtle (state listed as threatened), Black Rail (state-listed as threatened), Interior Least Tern (state listed as endangered), Louisiana Pigtoe (state listed as threatened), Piping Plover (federally and state listed as threatened), Rufa Red Knot (federally listed as threatened), Sandback Pocketbook (state listed as threatened), Texas Heelsplitter (state listed as threatened), Texas Horned Lizard (state listed as threatened), Trinity Pigtoe (state listed as

threatened), White-faced Ibis (state listed as threatened), Whooping Crane (federally listed as endangered), and Wood Stork (state listed as threatened). A copy of the TPWD Rare, Threatened, and Endangered Species of Texas (RTEST) – Ellis County report and the USFWS Information Planning and Consultation (IPaC) report can be found in Attachment II-12.

15.2 Alligator Snapping Turtle

The Alligator Snapping Turtle was proposed for listing as threatened by USFWS on November 9, 2021 (USFWS 2021). The Alligator Snapping Turtle is one of the largest species of freshwater turtles in North America and can be identified by a large head, powerful hooked beak, and a pink, worm-like appendage within their mouth, which they use as a lure to attract prey (USFWS 2021). These turtles are primarily found in the southeastern United States, inhabiting freshwater environments such as rivers, swamps, lakes, and bayous, specifically river systems that flow into the Gulf of Mexico. The Alligator Snapping Turtle tends to bottom-dwell, however nests on land. Nesting occurs approximately 8 to 656 feet from the water's edge in densely forested areas. Egg incubation requires temperatures ranging from 66 to 80 degrees Fahrenheit and increasing to 79 to 98 degrees Fahrenheit as the season progresses. Submerged materials such as woody debris, undercut banks, and vegetation provide valuable structures for resting, foraging, and cover from predators, and can also provide resources during periods of low water levels. This species feeds on small fish, mussels, crayfish, mollusks, smaller turtles, insects, nutria, snakes, birds, and plant material such as acorns.

Though no EO records exist for the Alligator Snapping Turtle in the vicinity of the Site (Attachment II-12, Figure II.25), the Site is located approximately 0.14 mile north of Waxahachie Creek, which may provide habitat for the species. No critical habitat has been established for the Alligator Snapping Turtle. The Site uses best management practices to treat stormwater that discharges from the Site that may enter Waxahachie Creek. As such, no effect to the Alligator Snapping Turtle is anticipated.

15.3 Black Rail

The Black Rail, a state-listed threatened species, is a very small, primarily coastal bird that prefers salt, brackish or freshwater marshes, wet meadows and grass dominated swamps. The Black Rail is rarely seen in flight, however, is somewhat migratory. This species prefers shallow water, which prevents competition with other Rail species. Additionally, the Black Rail is heavily reliant on transitional zones between emergent wetlands and upland grasses, which provide refuge during high-water events caused by precipitation or high tide. Egg laying and incubation generally occur from May to August; however, some early nesting may occur in March and April. As this species is highly elusive, little else is known about the Black Rail.

Though no EO records exist for the Black Rail in the vicinity of the Site (Attachment II-12, Figure II.25), the Site is located approximately 0.14 mile north of Waxahachie Creek, which may provide habitat for the Black Rail. The Site uses best management practices to treat stormwater that discharges from the Site that may enter Waxahachie Creek. As such, no effect to the Black Rail is anticipated.

15.4 Interior Least Tern

The interior populations of Least Terns are federally- and state-listed as endangered. This species of bird is smaller than similar tern species with slender wings, short tail, and a large bill. Least Terns nest along sand and gravel bars within braided streams and rivers. They can be found along the Missouri, Mississippi, Colorado, Arkansas, Red, and Rio Grande River systems during the summer, typically nesting on sand dunes above high tide among grass and debris. The Interior Least Tern prefers to nest in bare or sparsely vegetated sand, shell, and gravel beaches, sandbars, islands, and salt flats associated with rivers and reservoirs. Generally, the species avoids thick vegetation and prefers open habitats along narrow beaches. For feeding, the bird requires shallow water and an abundance of small fish. If natural nesting sites are unavailable, the bird has been known to utilize sand and gravel pits, ash disposal pits around power plants, reservoir shorelines, and other manmade sites.

Though no EO records exist for the Interior Least Tern in the vicinity of the Site (Attachment II-12, Figure II.25), the Site is located approximately 0.14 mile north of Waxahachie Creek, which may provide habitat along the stream bank for the Interior Least Tern. The Site uses best management practices to treat stormwater that discharges from the Site that may enter Waxahachie Creek. As such, no effect to the Interior Least Tern is anticipated.

15.5 Louisiana Pigtoe

The Louisiana Pigtoe is a state-threatened and federally proposed as a threatened species, which has a reddish-brown, dark brown, or black colored external shell and has a thick, inflated triangular to sub-quadrate shaped shell. In Texas, the freshwater mussel is endemic to the San Jacinto, Trinity, Neches-Angelina, Sabine, Big Cypress and Sulphur River basins, typically inhabiting medium to large sized streams with flowing water. This species can be found in shallow water from approximately four (4) inches to four (4) feet in depth, however recent studies have found this species at depths of approximately 11 feet. Currently, the reproductive strategy for the Louisiana Pigtoe is unconfirmed, and the primary host fish is unknown.

Though no EO records exist for the Louisiana Pigtoe in the vicinity of the Site (Attachment II-12, Figure II.25), the Site is located approximately 0.14 mile north of Waxahachie Creek, a tributary located in the Trinity River basin. Waxahachie Creek contains flowing water at depths of approximately six (6) inches and may be suitable habitat for the species. The Site uses best management practices to treat stormwater that discharges from the Site that may enter Waxahachie Creek. As such, no effect on the Louisiana Pigtoe is anticipated.

15.6 Piping Plover

The Piping Plover, a state and federally listed threatened species, is a small plover species found in small numbers along clean, dry, sandy coastal beaches and shorelines. Breeding birds have orange legs, and orange bill with black tip, a black band across the forehead, and a black breast band. Piping Plovers are typically seen foraging and/or nesting on the beach, away from the water's edge.

No sandy coastal beaches or shorelines, or stopover habitat is present within the Site or in the vicinity. As such, no effect to the Piping Plover is anticipated.

15.7 Rufa Red Knot

The Red Knot is a state and federally listed threatened species. It resembles other medium sized sandpipers in the winter months, while breeding plumage is mottled gray, white, and black above, and cinnamon brown below and on the head. This species may become locally common, flocking with other shorebirds on the coastal beach. In the United States, wintering habitat for the Rufa Red Knot includes the Texas coast, extending to Mississippi.

No sandy coastal beaches or shorelines, or stopover habitat is present within the Site or in the vicinity. As such, no effect to the Rufa Red Knot is anticipated.

15.8 Sandback Pocketbook

The Sandback Pocketbook is a state-listed threatened freshwater mussel that has a deep chestnut-brown, smoky gray to black, glossy external shell. It occurs from the San Jacinto River north and east in gravel bottom streams (Howells, 1996). Historically in Texas, the Sandback Pocketbook has occurred in the San Jacinto River and east into the Neches-Angelina and Sabine Rivers, however, was recently discovered in the Upper Trinity. Additional information for this species is not available, as research is ongoing.

Though no EO records exist for the Sandback Pocketbook in the vicinity of the Site (Attachment II-12, Figure II.25), the Site is located approximately 0.14 mile north of Waxahachie Creek, a tributary located in the Trinity River basin, which ultimately contributes flow to the Trinity River. The creek may contain suitable habitat for the species. The Site uses best management practices to treat stormwater that discharges from the Site that may enter Waxahachie Creek. As such, recycling activities within the Site may affect, but are not likely to adversely affect, the Sandback Pocketbook.

15.9 Texas Heelsplitter

The Texas Heelsplitter is a state-threatened and federally proposed as an endangered species, which is a medium to large sized fresh-water mussel and has a tan to dark brown or black colored shell that fades to a lighter color on the beaks. In Texas, this species occurs in streams and rivers of the Trinity, Neches, and Sabine River drainages on substrates consisting of firm mud, sand, or finer gravels bottoms, in still to moderate flows and sometimes associated with fallen timber. The Texas Heelsplitter is endemic to the Neches, Sabine, and Trinity River drainages of east Texas. This species prefers firm mud, sand, or finer gravels bottoms, in streams with still to moderate flows and can sometimes be associated with fallen timber. Currently, information regarding the reproduction of this species is unavailable, as research is ongoing. However, Freshwater Drum (Aplodinotus grunniens) were confirmed as host fish for Texas Heelsplitter.

Though no EO records exist for the Texas Heelsplitter in the vicinity of the Site (Attachment II-12, Figure II.25), the Site is located approximately 0.14 mile north of Waxahachie Creek, a

tributary located in the Trinity River basin, which ultimately contributes flow to the Trinity River. The creek may have habitat for the species. The Site uses best management practices to treat stormwater that discharges from the Site that may enter Waxahachie Creek. As such, recycling activities within the Site may affect, but are not likely to adversely affect, the Texas Heelsplitter.

15.10 Texas Horned Lizard

The Texas Horned Lizard is a state-listed threatened species found on many soil types, but it prefers sandy loam and loamy sand soils to allow for bedding, nesting, and hibernation. This species is known to be less abundant in areas of predominantly clay soils. Associated vegetation is typically sparse with patches of grass, cacti, and scattered brush or scrubby trees. The habitat for the Texas Horned Lizard must include harvester ants, as they comprise a large portion of the lizard's diet. The lizard breeds from March through September and is most active from April to July. Populations have declined due to illegal collections, a decline in prey abundance due to pesticide use, and habitat conversion to agricultural or urban uses. Harvester ants are considered the primary food source for the Texas Horned Lizard.

The Site is fully developed as a recycling facility, which does not contain patches of grass, cacti, scattered brush, or scrubby trees, which does not support habitat for the Texas Horned Lizard. As such, no effect to the Texas Horned Lizard is anticipated.

15.11 Trinity Pigtoe

The Trinity Pigtoe, a state-threatened species, is a freshwater mussel endemic to the Trinity River drainage and is yellow to reddish-brown in color with green or brown rays and a dull to subglossy shell. According to Texas Parks and Wildlife Department, the Trinity Pigtoe can be found in a variety of habitats but most commonly occur in riffles. Frequently, this species inhabits various substrates, though most often prefers sand, gravel, and cobble. Little other information is available about this species. The Trinity Pigtoe was recently split from the Texas Pigtoe, however both species occur in similar habitats. As such, information about this species may be derived from the Texas Pigtoe. The Texas Pigtoe prefers to inhabit littoral areas with coarse woody debris, snags, gravel or sand substrata, and currents of slow to moderate velocities. The Texas Pigtoe has been discovered in the middle and upper Trinity River, which may suggest the presence of the Trinity Pigtoe.

Though no EO records exist for the Trinity Pigtoe in the vicinity of the Site (Attachment II-12, Figure II.25), the Site is located approximately 0.14 mile north of Waxahachie Creek, a tributary located in the Trinity River basin, which ultimately contributes flow to the Trinity River. The Site uses best management practices to treat stormwater that discharges from the Site that may enter Waxahachie Creek. As such, recycling activities within the Site may affect, but are not likely to adversely affect, the Trinity Pigtoe.

15.12 White-faced Ibis

The White-faced Ibis, a state-listed threatened species, is a dark, chestnut colored-bird with green or purple on its head and upper parts, and a long, down-curved bill. The White-faced Ibis

prefers freshwater marshes, where insects, newts, leeches, earthworms, snails, crayfish, frogs and fish can be found. The Ibis roosts on low platforms of dead reed stems or on mud banks. Additionally, in Texas, the Ibis breeds and winters along the Gulf Coast and may occur as a migrant in the Panhandle and West Texas.

Though no EO records exist for the White-faced Ibis in the vicinity of the Site (Attachment II-12, Figure II.25), the Site is located approximately 0.14 mile north of Waxahachie Creek, which may provide habitat along the stream bank for the White-faced Ibis. The Site uses best management practices to treat stormwater that discharges from the Site that may enter Waxahachie Creek. As such, no effect to the White-faced Ibis is anticipated.

15.13 Whooping Crane

The Whooping Crane, a state and federally listed endangered species, was first federally listed in 1970 throughout its migratory path between the species summer breeding grounds in Canada and wintering grounds along the Texas Gulf Coast. The Whooping Crane is the tallest bird in North America and breeds, migrates, winters, and forages in a variety of habitats including coastal marshes and estuaries, inland marshes, lakes, open ponds, shallow bays, salt marsh and sand or tidal flats, upland swales, wet meadows and rivers, and pastures and agricultural fields. During migration, this species typically stops over and roosts at small palustrine wetlands and can be found feeding in both croplands and wetlands. Whopping Cranes are known to have a singular mate during their lifetime, and typically produce two eggs per nesting season. Final critical habitat has been designated for this species, which is generally located in Aransas National Wildlife Refuge in Refugio County, Texas.

Though no EO records exist for the Whooping Crane in the vicinity of the Site (Attachment II-12, Figure II.25), the Site is located approximately 0.14 mile north of Waxahachie Creek, which does not have obvious habitat for the Whooping Crane nearby. The Site lies within the Whooping Crane migration corridor but does not have suitable stopover sites. The Site is located approximately 283 miles north of the nearest critical habitat, which is located at the Aransas National Wildlife Refuge in Refurgio County, Texas. The Site uses best management practices to treat stormwater that discharges from the Site that may enter Waxahachie Creek. No effect to the Whooping Crane is anticipated.

15.14 Wood Stork

The Wood Stork, a state-listed threatened species, is the largest wading bird that breeds in the U.S., and is a tactile feeder that forages in ponds, wetlands, and murky waters. This species feeds almost entirely on fish and is reliant upon wetlands for breeding and foraging, where they select patches of medium-to-tall trees as nesting sites, which are located either in standing water or on islands. The Wood Stork nests in Florida, laying eggs between March through May. This species has experienced declines due to pesticides and heavy metals, as well as loss and/or degradation of habitat. Additionally, this species has not been known to nest in Texas since 1960 and there have been no evidence of colonies outside of Florida. However, storks nesting in eastern Mexico may move into Texas, Louisiana, and Arkansas as they migrate toward eastern states such as Florida. This species wanders widely inland from July to September, especially in eastern Texas. This species has experienced declines due to pesticides and heavy metals, as well as loss and/or degradation of habitat.

No habitat is present for Wood Stork at the Site or in the vicinity. No effect on Wood Stork is anticipated.

15.15 Conclusions

Based on review of the USFWS IPaC report and TPWD RTEST report provided in Attachment II-12, the project shall not result in the destruction or adverse modification of critical habitat or cause or contribute to the taking of endangered or threatened species. As such, the facility's continued operation does not jeopardize the continued existence of endangered or threatened species or result in the destruction or adverse modification of a critical habitat, protected under the Endangered Species Act of 1973, or violate any requirement under the Marine protection, Research, & Sanctuaries Act.

16 CULTURAL RESOURCES [30 TAC §330.61(O)]

A review of the ATLAS database showed no surveys conducted or sites recorded within the Strategic Materials Facility property boundary. According to historic aerial orthoimagery, the facility has been in place and operating since at least 1985. The first building on the tract was in place by 1981. All disturbances appear to have occurred by 2000. Due to these findings and this being an existing facility, no violation of the Natural Resource Code, Chapter 191 (Texas Antiquities Code) will occur, and no letter has been written to the Texas Historical Commission (THC).

17 COUNCIL OF GOVERNMENTS AND LOCAL GOVERNMENTS REVIEW REQUEST [30 TAC §330.61(P)]

A copy of Parts I and II of this Strategic Materials Facility application was submitted to the regional council of governments North Central Texas Council of Governments (NCTCOG) on September 16, 2024 along with the NCTCOG RSWMP Checklist to be reviewed for compliance with regional sloid waste plans. A review letter was requested. The checklist and transmittal letter are included in Attachment II-13. Any comments from the council of governments will be included in Attachment II-13 upon receipt.

18 CONCLUSIONS

Based on the review of impacts to the surrounding land use, transportation, geology and soils, groundwater and surface water, abandoned oil, gas, and water wells, floodplains and wetlands, threatened and endangered species, and council of governments and local governments, no site-specific conditions requiring special design considerations or possible mitigation were identified.

ATTACHMENT II-1

GENERAL LOCATION MAPS

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

Rev. 0

Date Prepared: September 17, 2024

Revision Date:

Prepared By:

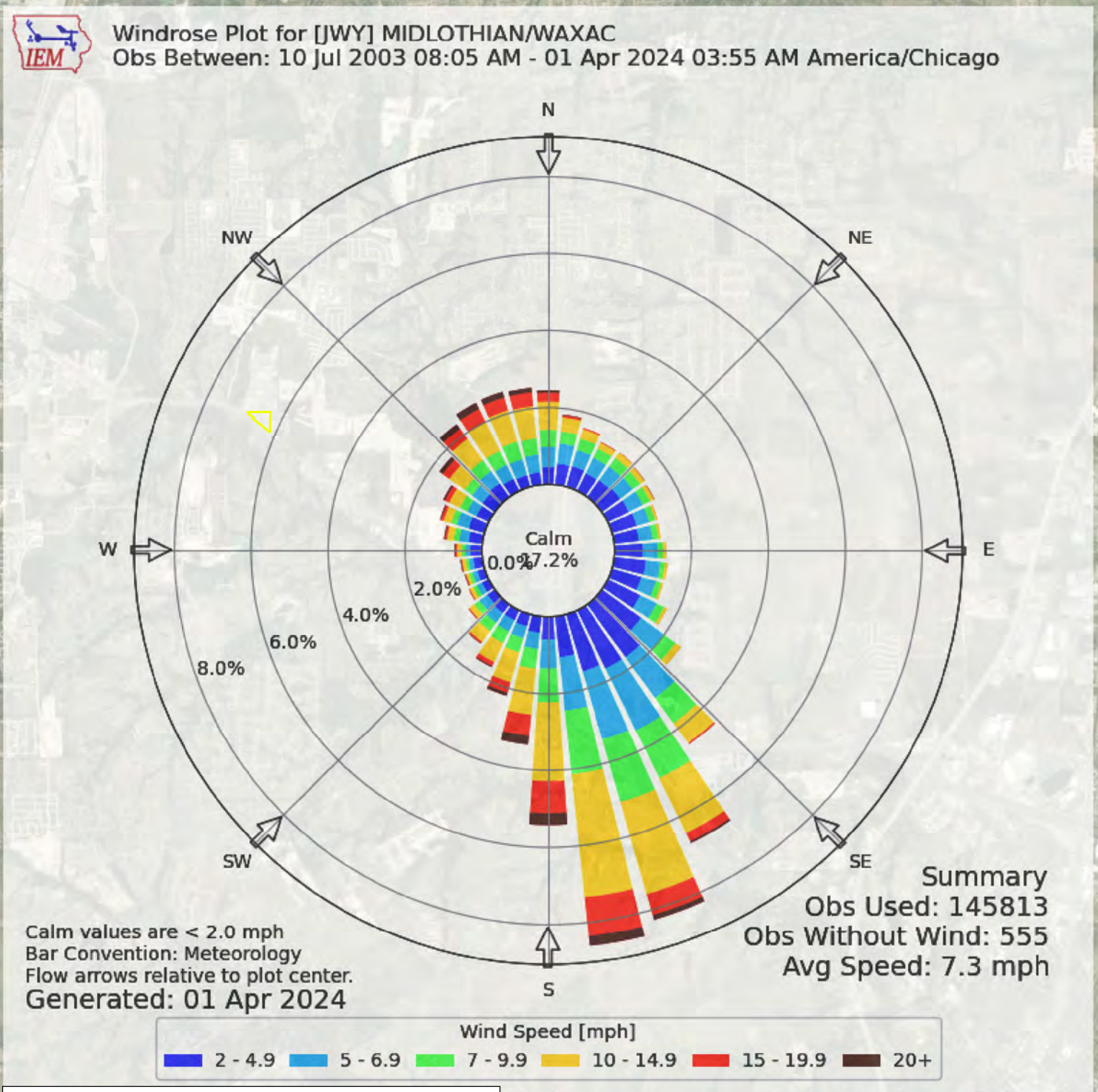
ESE Partners, LLC

2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131

LEGEND

Approximate Property Boundary



STRATEGIC MATERIALS, INC.
APPROXIMATELY ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

WIND ROSE MAP

FIGURE II.1

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_II-1_WINDROSE DATE: 9/6/2024
DRAWN BY: LS
APPROVED BY: AM

Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

0 6,000 '

1 inch = 6,000 feet

N

STRATEGIC MATERIALS, INC.
APPROXIMATELY 11 ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

WATER WELLS MAP

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_X_WATERWELLS
DATE: 9/11/2024
DRAWN BY: LS
APPROVED BY: AM

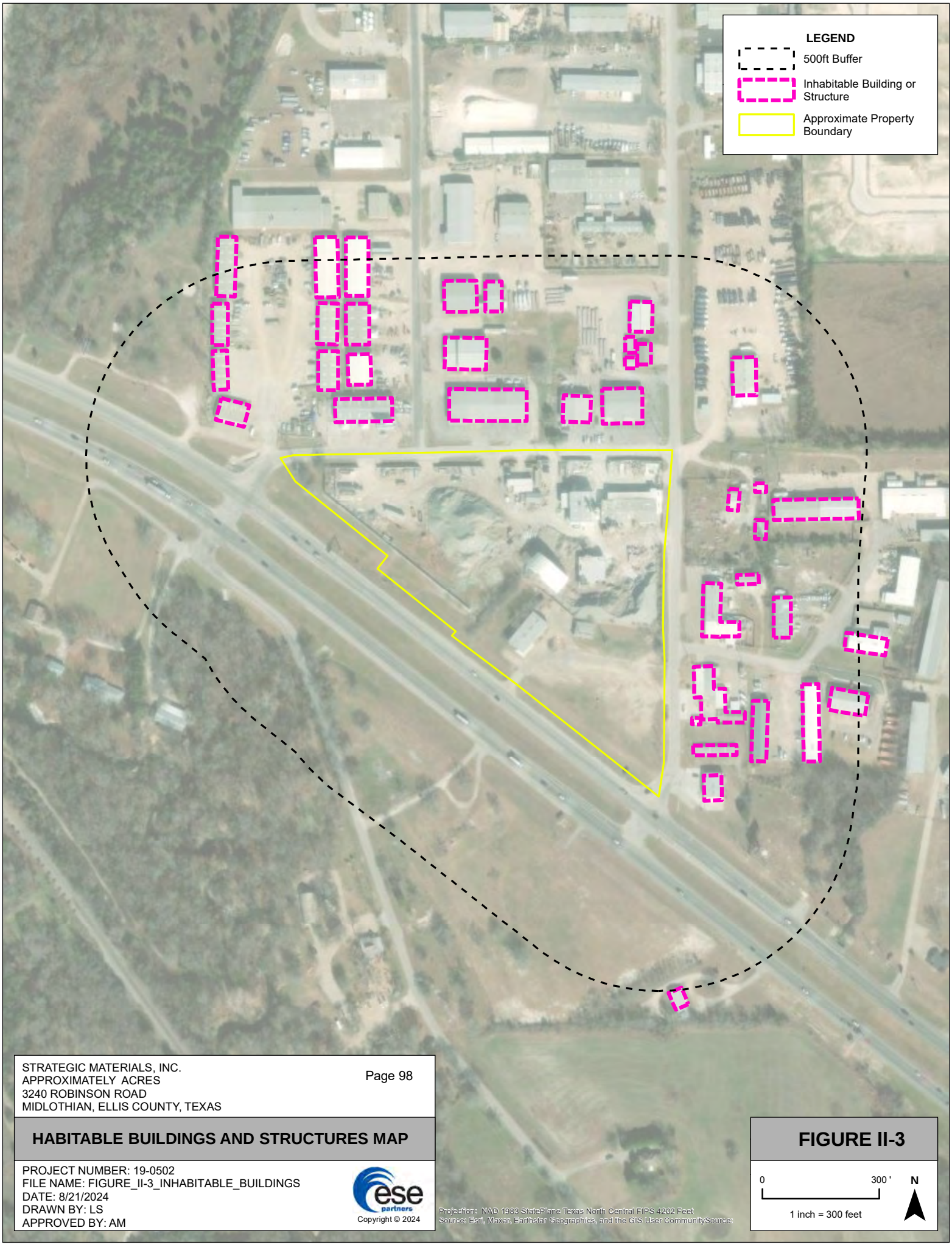
Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

FIGURE II.2

0 1,500 '

1 inch = 1,500 feet

N



STRATEGIC MATERIALS, INC.
APPROXIMATELY ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

HABITABLE BUILDINGS AND STRUCTURES MAP

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_II-3_INHABITABLE_BUILDINGS
DATE: 8/21/2024
DRAWN BY: LS
APPROVED BY: AM

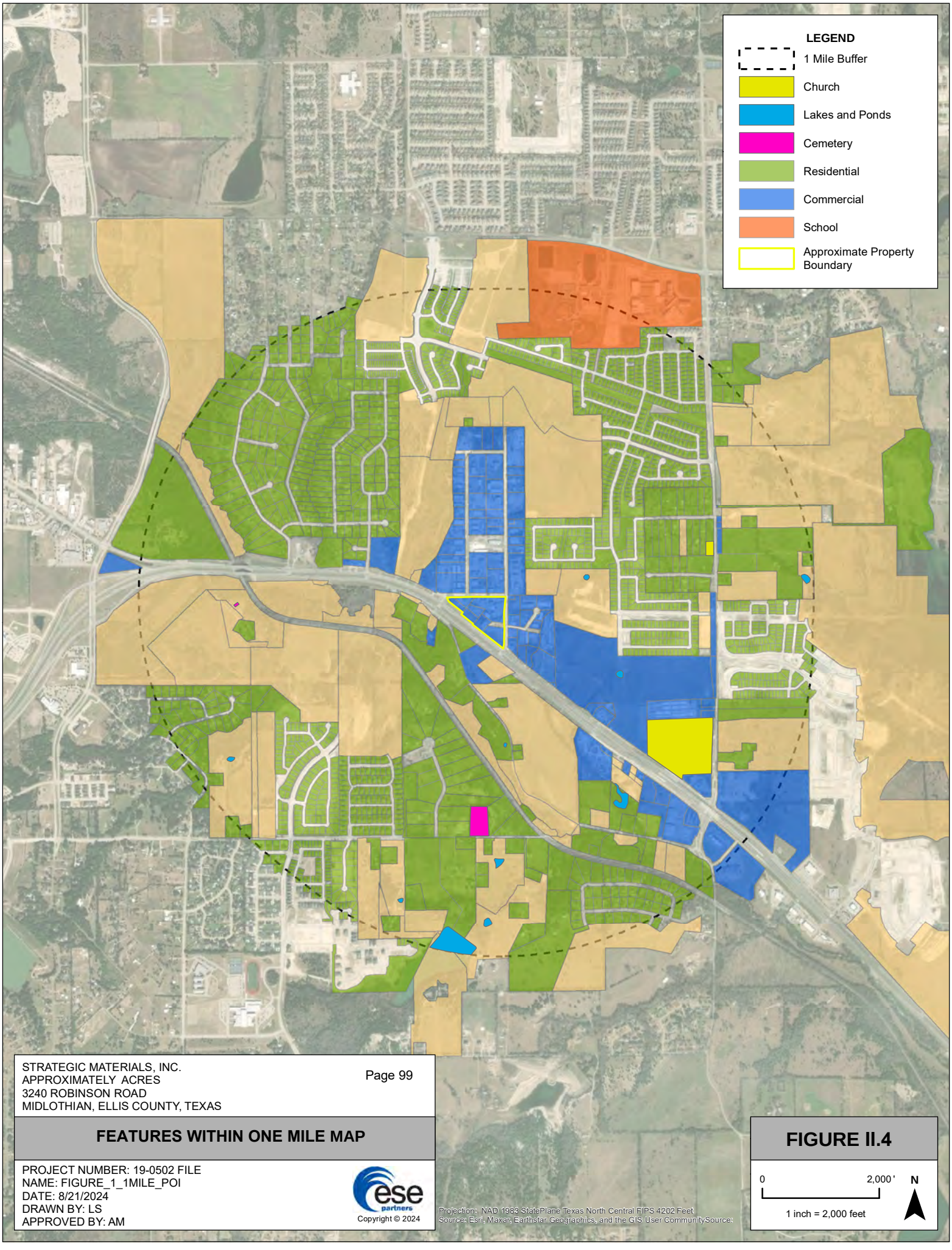
Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

FIGURE II-3

0 300 '

1 inch = 300 feet

N



STRATEGIC MATERIALS, INC.
APPROXIMATELY ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

FEATURES WITHIN ONE MILE MAP

PROJECT NUMBER: 19-0502 FILE
NAME: FIGURE_1_1MILE_POI
DATE: 8/21/2024
DRAWN BY: LS
APPROVED BY: AM

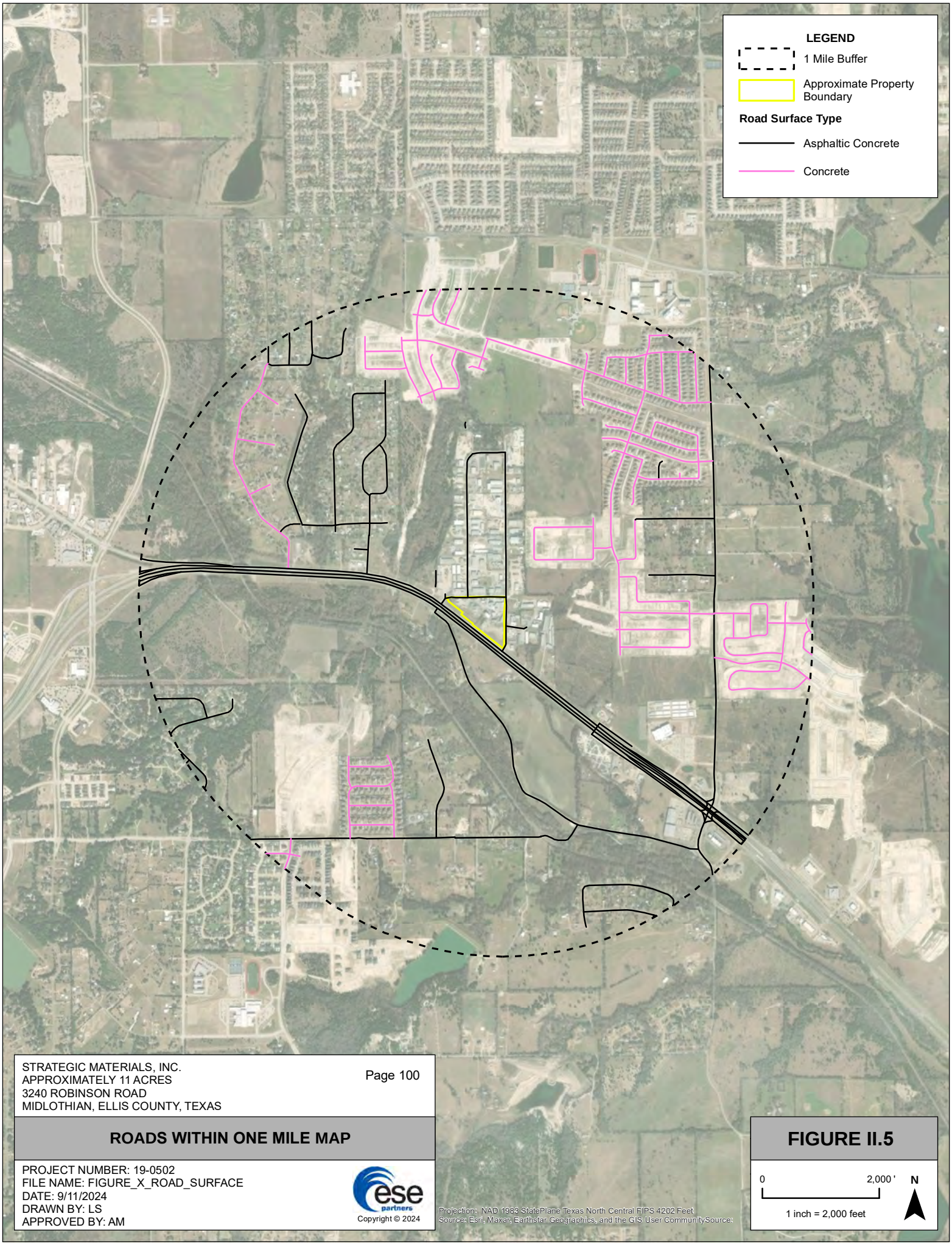
Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

FIGURE II.4

0 2,000 '

1 inch = 2,000 feet

N



STRATEGIC MATERIALS, INC.
APPROXIMATELY 11 ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

ROADS WITHIN ONE MILE MAP

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_X_ROAD_SURFACE
DATE: 9/11/2024
DRAWN BY: LS
APPROVED BY: AM

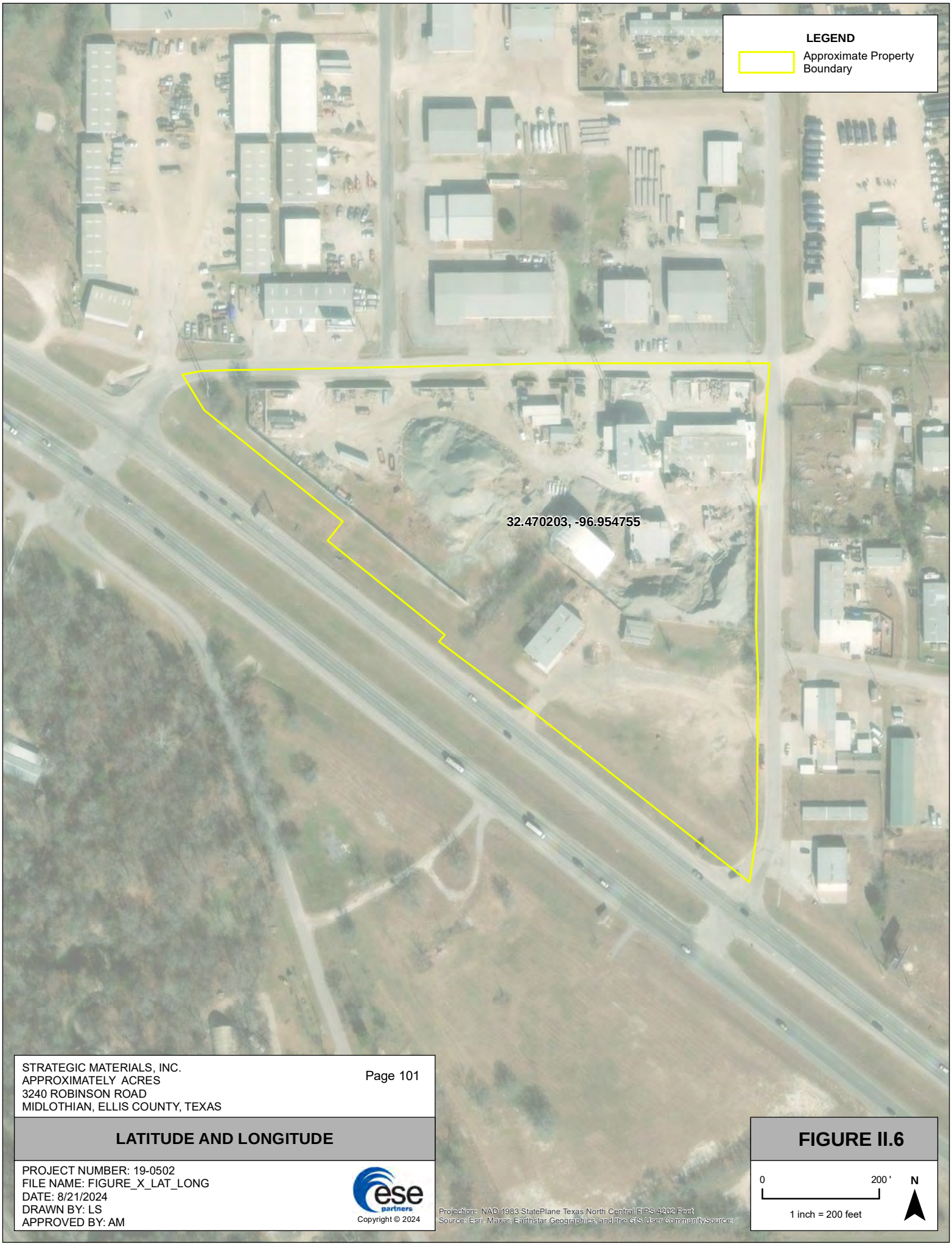
Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

FIGURE II.5

0 2,000 '

1 inch = 2,000 feet

N



STRATEGIC MATERIALS, INC.
APPROXIMATELY ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

LATITUDE AND LONGITUDE

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_X_LAT_LONG
DATE: 8/21/2024
DRAWN BY: LS
APPROVED BY: AM

Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

FIGURE II.6

0 200 '

1 inch = 200 feet

N

STRATEGIC MATERIALS, INC.
APPROXIMATELY ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

STREAMS MAP

PROJECT NUMBER: 19-0502 FILE
NAME: FIGURE_13_STREAMS
DATE: 8/30/2024
DRAWN BY: LS
APPROVED BY: AM

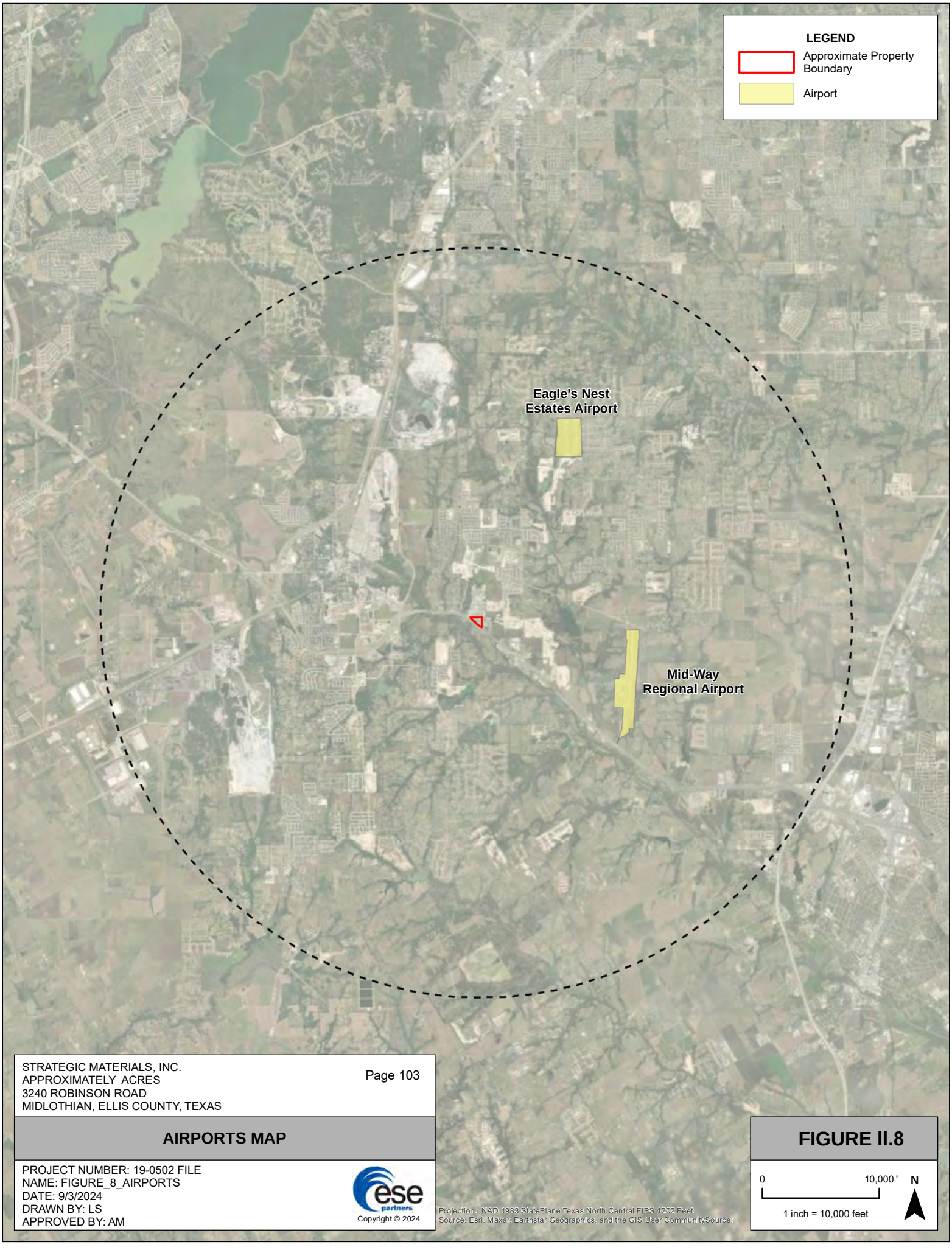
Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

FIGURE II.7

0 1,500 '

1 inch = 1,500 feet

N



STRATEGIC MATERIALS, INC.
APPROXIMATELY ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

AIRPORTS MAP

PROJECT NUMBER: 19-0502 FILE
NAME: FIGURE_8_AIRPORTS
DATE: 9/3/2024
DRAWN BY: LS
APPROVED BY: AM

Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

FIGURE II.8

0 10,000 '

1 inch = 10,000 feet

N

STRATEGIC MATERIALS, INC.
APPROXIMATELY ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

PROPERTY BOUNDARY MAP

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_X_SITE_SPECIFIC
DATE: 8/28/2024
DRAWN BY: LS
APPROVED BY: AM

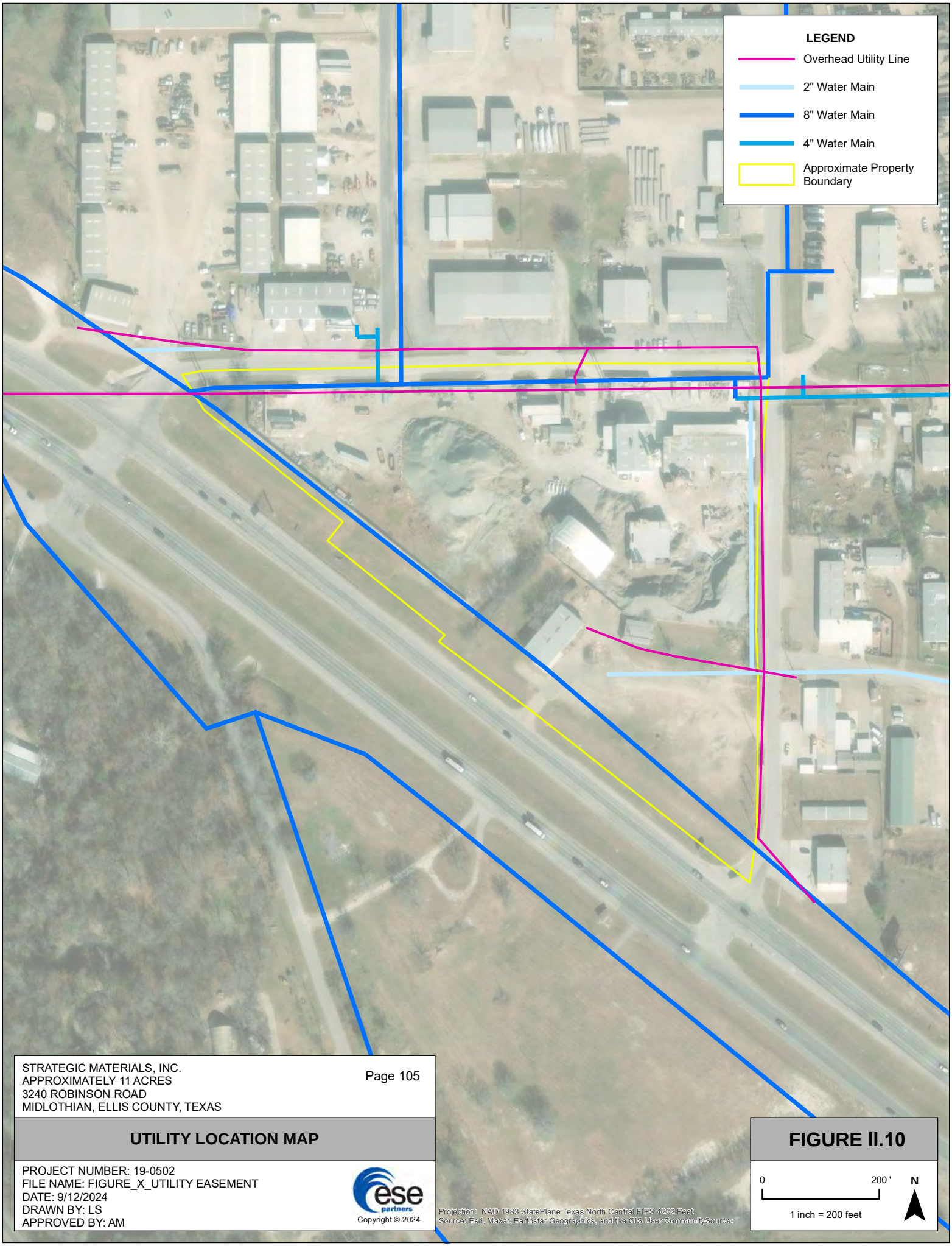
Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

FIGURE II.9

0 150 '

1 inch = 150 feet

N



STRATEGIC MATERIALS, INC.
APPROXIMATELY 11 ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

UTILITY LOCATION MAP

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_X_UTILITY EASEMENT
DATE: 9/12/2024
DRAWN BY: LS
APPROVED BY: AM

Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

FIGURE II.10

0 200 '
1 inch = 200 feet
N

STRATEGIC MATERIALS, INC.
APPROXIMATELY ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

SITE DRAINAGE MAP

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_II.11_SITE_DRAINAGE
DATE: 9/16/2024
DRAWN BY: LS
APPROVED BY: AM

Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

FIGURE II.11

0 150 '

1 inch = 150 feet

N

STRATEGIC MATERIALS, INC.
APPROXIMATELY 11 ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

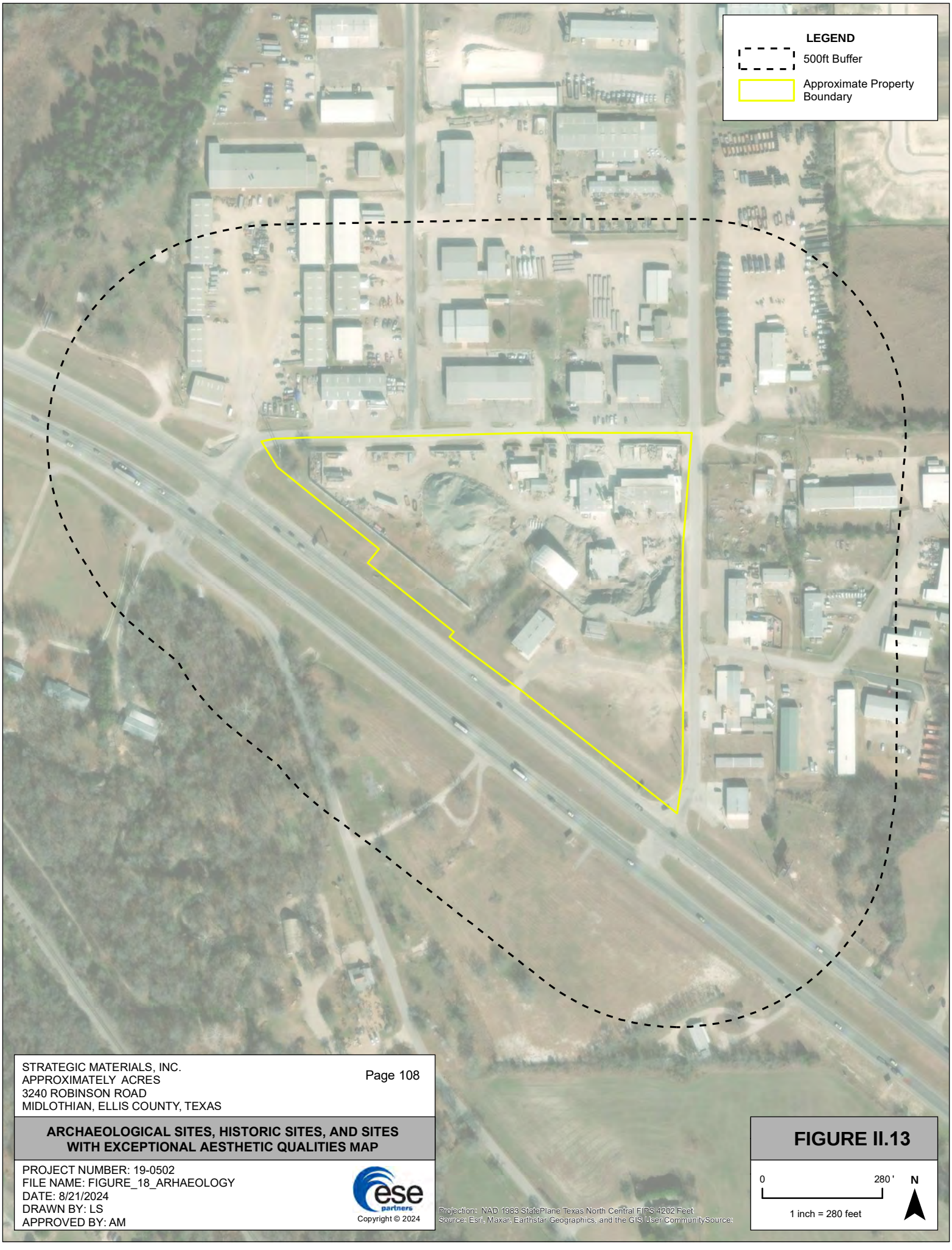
FACILITY ACCESS CONTROL MAP

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_X_SITE_TRAFFIC
DATE: 9/11/2024
DRAWN BY: LS
APPROVED BY: AM

Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

FIGURE II.12

0 150 '
1 inch = 150 feet
N



STRATEGIC MATERIALS, INC.
APPROXIMATELY ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

ARCHAEOLOGICAL SITES, HISTORIC SITES, AND SITES WITH EXCEPTIONAL AESTHETIC QUALITIES MAP

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_18_ARHAEOLOGY
DATE: 8/21/2024
DRAWN BY: LS
APPROVED BY: AM

Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

FIGURE II.13

0 280 '
1 inch = 280 feet
N

ATTACHMENT II-2

FACILITY LAYOUT MAP

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

Rev. 0

Date Prepared: September 17, 2024

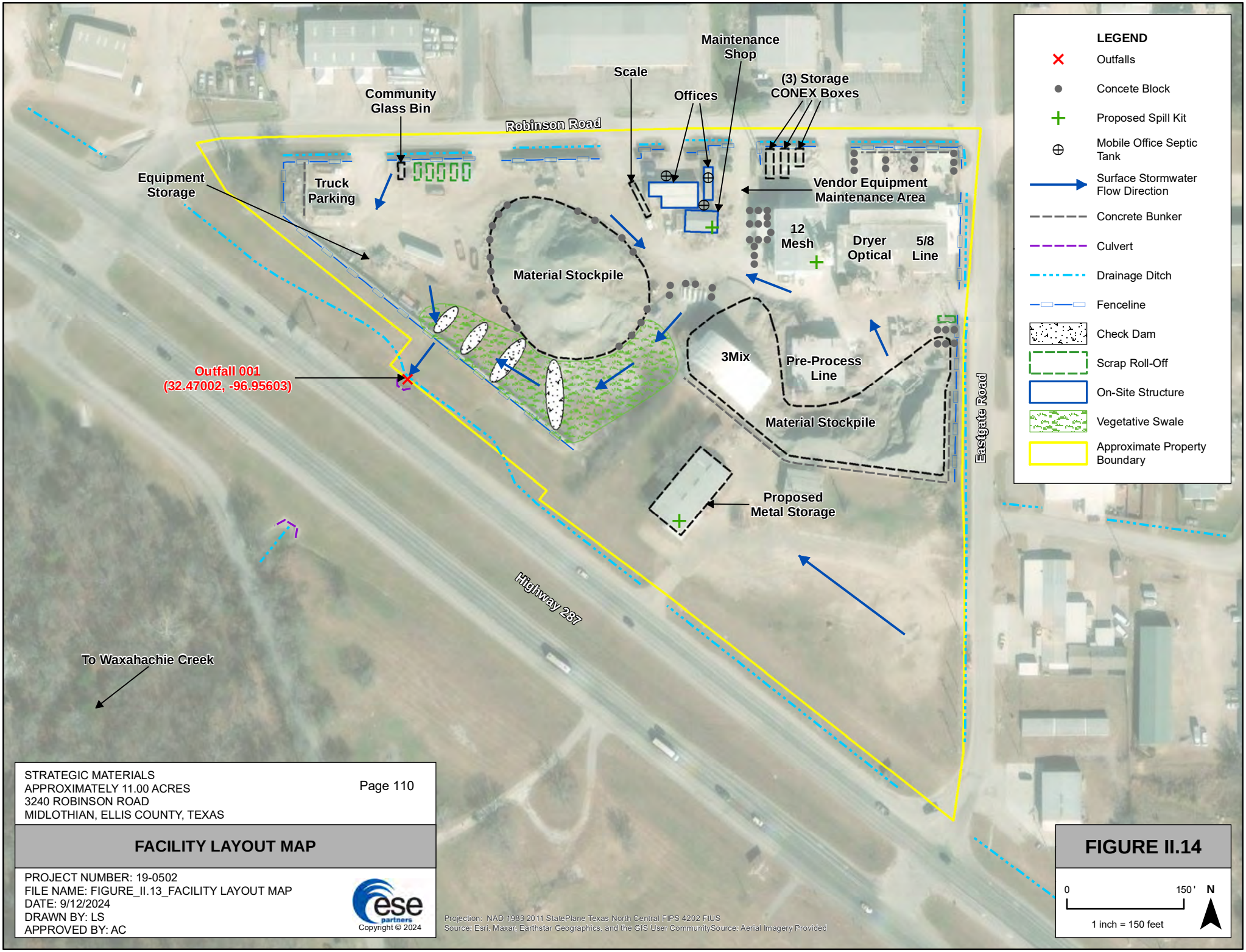
Revision Date:

Prepared By:

ESE Partners, LLC

2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131



STRATEGIC MATERIALS
APPROXIMATELY 11.00 ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

FACILITY LAYOUT MAP

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_II.13_FACILITY LAYOUT MAP
DATE: 9/12/2024
DRAWN BY: LS
APPROVED BY: AC

Projection: NAD 1983 2011 StatePlane Texas North Central FIPS 4202 FtUS
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource: Aerial Imagery Provided

FIGURE II.14

ATTACHMENT II-3

GENERAL TOPO MAP

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

Rev. 0

Date Prepared: September 17, 2024

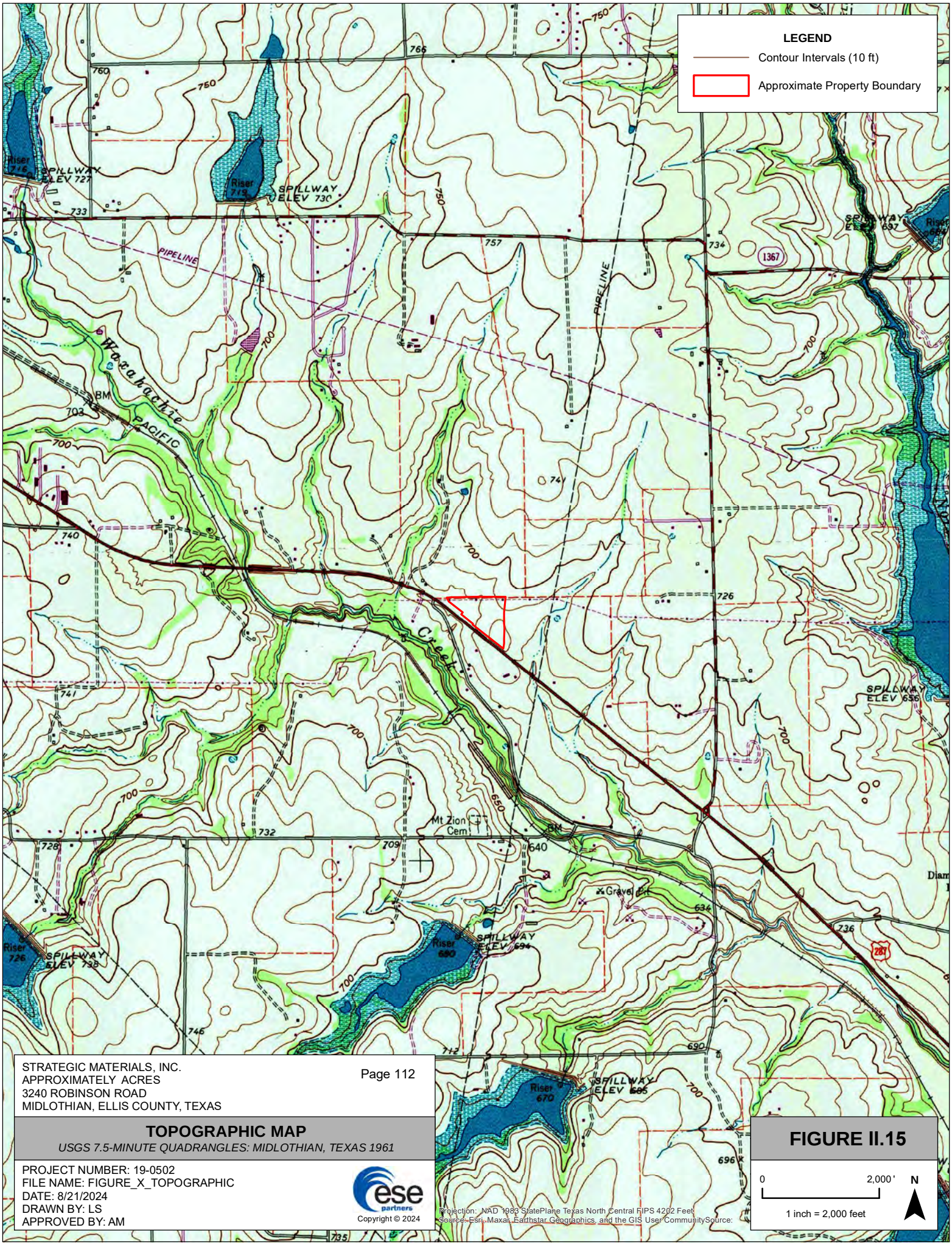
Revision Date:

Prepared By:

ESE Partners, LLC

2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131



STRATEGIC MATERIALS, INC.
APPROXIMATELY ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

Page 112

TOPOGRAPHIC MAP

USGS 7.5-MINUTE QUADRANGLES: MIDLOTHIAN, TEXAS 1961

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_X_TOPOGRAPHIC
DATE: 8/21/2024
DRAWN BY: LS
APPROVED BY: AM

Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

FIGURE II.15

0 2,000 '

1 inch = 2,000 feet

N

ATTACHMENT II-4

AERIAL PHOTOGRAPH

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

Rev. 0

Date Prepared: September 17, 2024

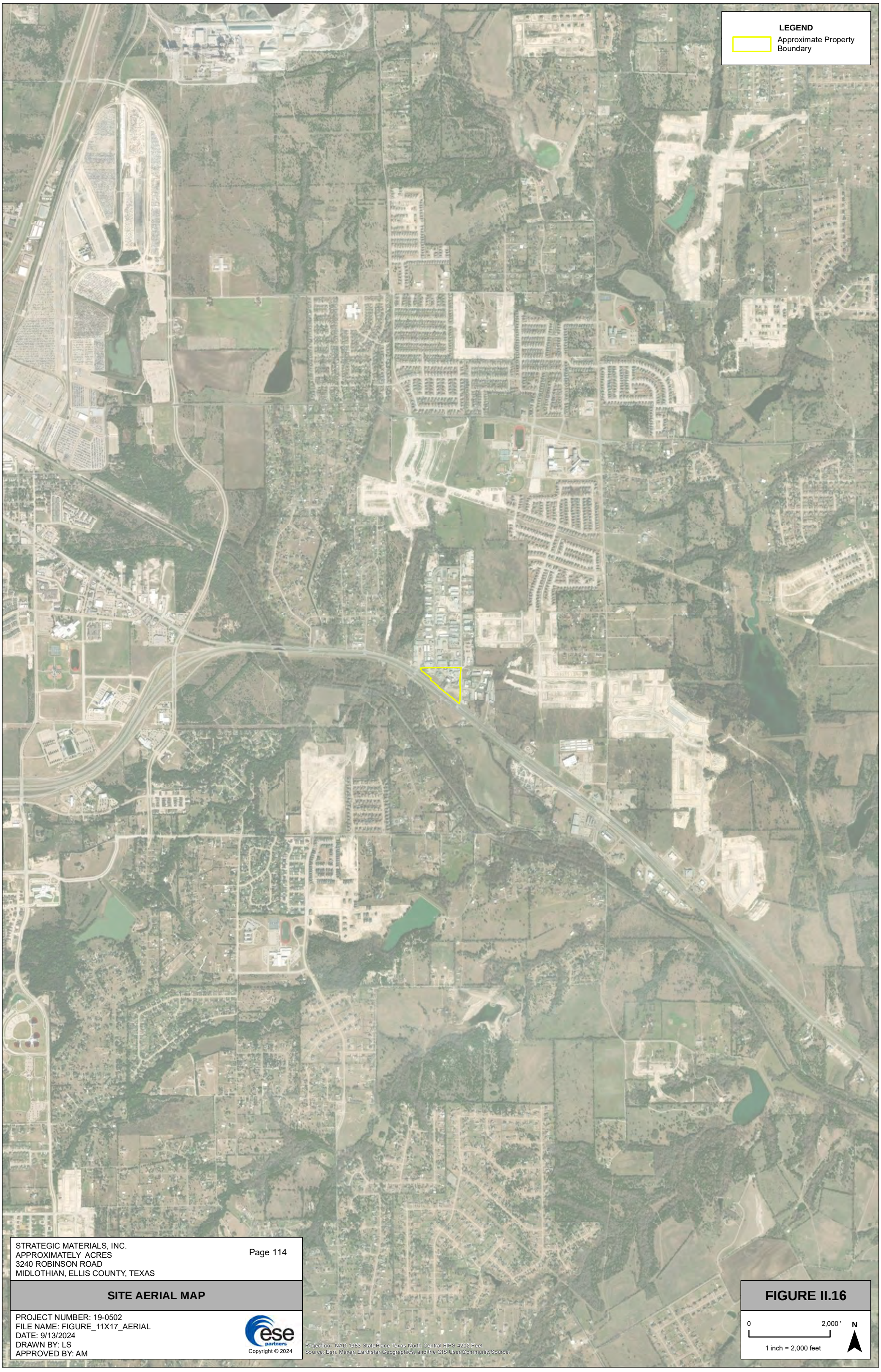
Revision Date:

Prepared By:

ESE Partners, LLC

2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131



STRATEGIC MATERIALS, INC.
APPROXIMATELY ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

Page 114

SITE AERIAL MAP

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_11X17_AERIAL
DATE: 9/13/2024
DRAWN BY: LS
APPROVED BY: AM

Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

FIGURE II.16

0 2,000 ' N

1 inch = 2,000 feet

ATTACHMENT II-5

LAND USE MAP

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

Rev. 0

Date Prepared: September 17, 2024

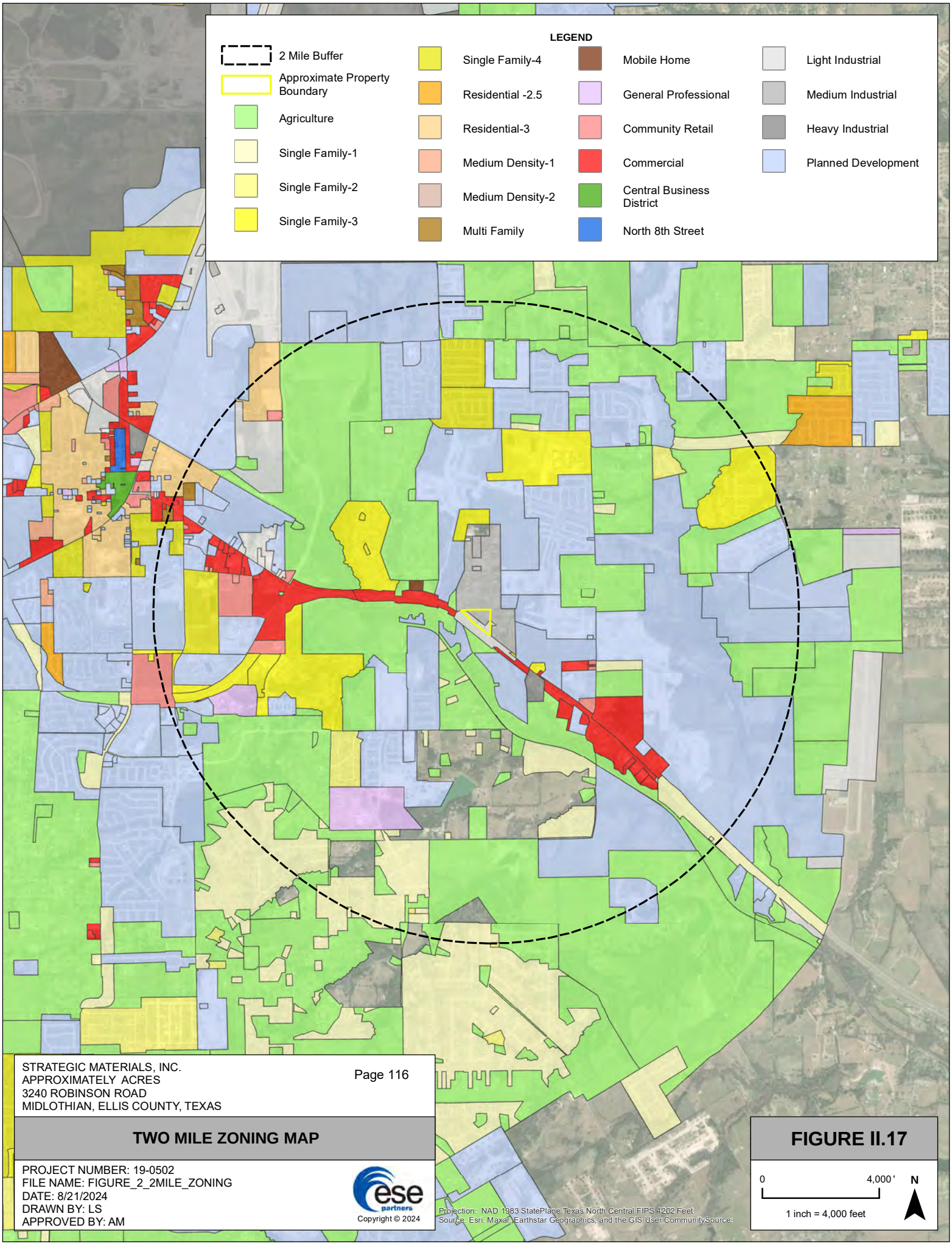
Revision Date:

Prepared By:

ESE Partners, LLC

2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131



STRATEGIC MATERIALS, INC.
APPROXIMATELY ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

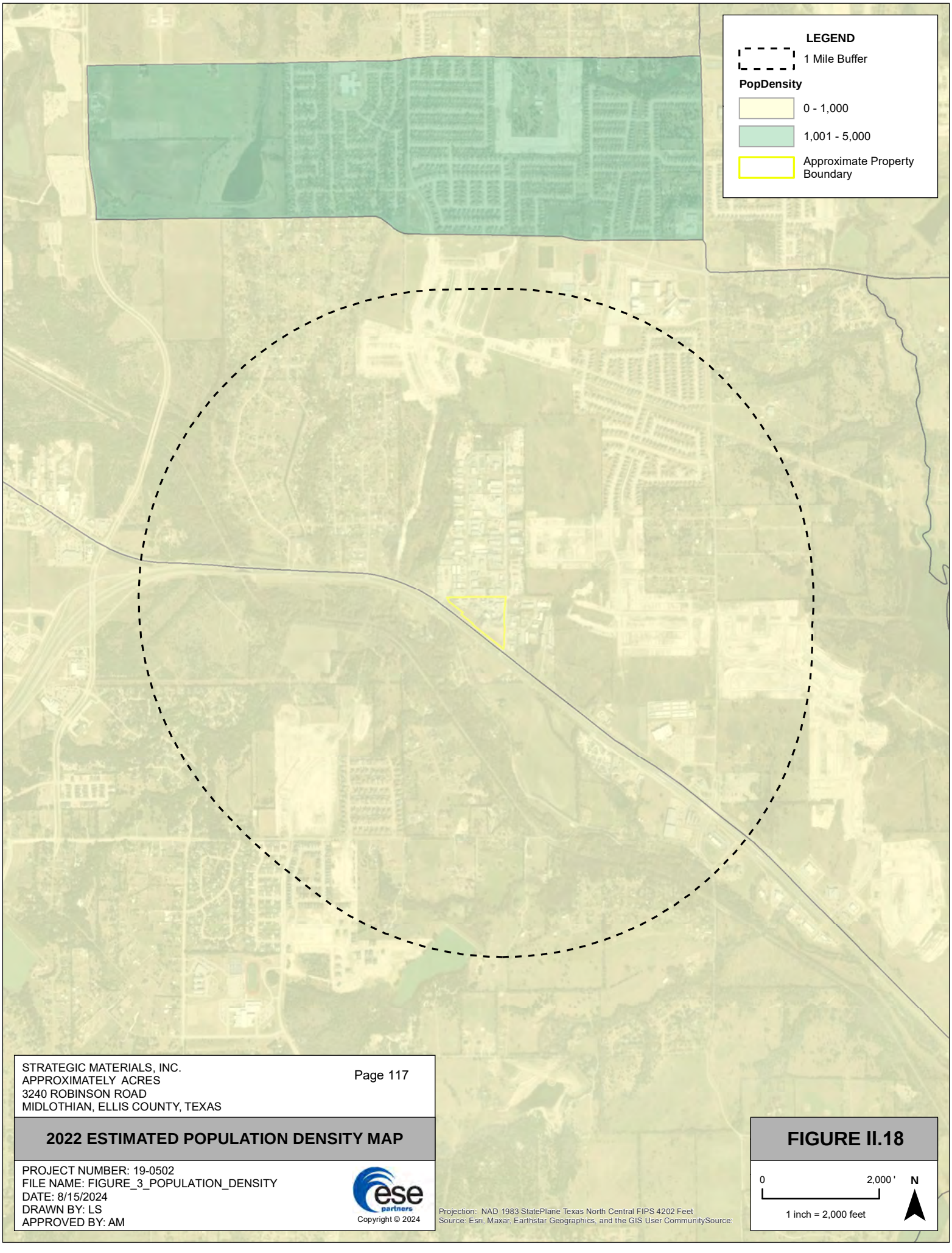
TWO MILE ZONING MAP

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_2_2MILE_ZONING
DATE: 8/21/2024
DRAWN BY: LS
APPROVED BY: AM

Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

FIGURE II.17

0 4,000 '
1 inch = 4,000 feet
N



STRATEGIC MATERIALS, INC.
APPROXIMATELY ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

2022 ESTIMATED POPULATION DENSITY MAP

FIGURE II.18

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_3_POPULATION_DENSITY
DATE: 8/15/2024
DRAWN BY: LS
APPROVED BY: AM

Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

0 2,000 '
1 inch = 2,000 feet
N

ATTACHMENT II-6

TRANSPORTATION

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

Rev. 0

Date Prepared: September 17, 2024

Revision Date:

Prepared By:

ESE Partners, LLC

2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131

Westwood

Technical Memorandum

To: Amanda Marcks, P.E.
ESE Partners, LLC

From: Steve E. Stoner, P.E., PTOE
Westwood Professional Services, Inc.

Date: September 9, 2024

Subject: Strategic Materials, Inc. Transfer Station, 3240 Robinson Road, Midlothian, Ellis County, Texas—Traffic Volume Forecast for TCEQ Analysis

Westwood Project R0058263.00

BACKGROUND

The services of **Westwood Professional Services** (Westwood) were retained by ECE Partners, LLC to provide a traffic engineering study to address the following TCEQ requirements for the facility noted above:

- 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; and
- Project the volume of traffic expected to be generated by the facility on the access roads within one mile of the proposed facility

Westwood is a licensed engineering firm providing traffic engineering and other professional services.

SITE ACCESSIBILITY REVIEW

A site location map and a site plan of the facility provided to Westwood by ECE Partners, LLC is contained at the end of this report. The subject site is bounded on the southwest by US 287 with approximately 1,200 feet of frontage, on the north by Robinson Road with approximately 1,000 feet of frontage, and on the east by Eastgate Road with approximately 750 feet of frontage. Direct vehicular access is provided on Robinson Road and Eastgate Road, which are both local streets with a two-lane cross-section within the City of Midlothian, Texas. Both roadways currently provide direct access to US 287 at unsignalized intersections (i.e., stop-signs on the minor street approaches) with full median openings and auxiliary turn lanes on US 287.

US 287 is a federal highway maintained by the Texas Department of Transportation (TxDOT) and is a designated truck route on the Texas Highway Freight Network. Currently, US 287 consists of two travel lanes in each direction separate by a 60-foot median. The posted speed limit is 55 miles per hour.

TxDOT is currently in the planning phase of three separate projects to install one-way, two-lane frontage roads along the several miles of US 287, which include the segment fronting the subject site. Under the current design, both Robinson Road and Eastgate Road are proposed to intersection the future northbound frontage road. A northbound-to-southbound turnaround (a.k.a., "Texas U-turn") lane will be provided at a future grade-separated interchange approximately 900 feet north of Robinson Road, and a future southbound-to-northbound turnaround ("Texas U-turn") lane will be provided at a future grade-separated interchange approximately 0.85 miles south of Eastgate Road. On- and off-ramps will be provided in both directions between the interchanges, which will be easily accessible from the subject site. The frontage road project is anticipated to be let by TxDOT in 2028 pending funding.

No other roadways within one mile of the site are anticipated to be used to access the facility.

TRAFFIC VOLUMES

Historical traffic volumes from the Texas Department of Transportation (TxDOT) Traffic Count Database System (TCDS) show that the traffic volumes on Robinson Road and Eastgate Road are approximately 2,000 vehicles per day. Surrounding properties accessing both streets are generally built out with low-density industrial/commercial buildings. No significant changes to the land uses along the roadways appear to have occurred in over ten years, and no significant changes or further development are apparent. Therefore, background traffic growth is considered negligible. Based on planning guidelines developed by the North Central Texas Council of Governments, two-lane local roadways in a commercial environment provide a daily volume capacity of approximately 9,500 vehicles per day, so both roadways utilize less than 25% of the theoretical daily capacity.

The recent TCDS traffic volume on US 287 is over 61,000 vehicles per day, which is significantly over the theoretical daily capacity of 37,000 vehicles per day. The corridor is also experiencing rapid growth of over ten percent per year, which has precipitated the planning for the addition of frontage roads and elimination of at-grade intersections within the corridor. After implementation of the proposed improvements, the traffic characteristics of the corridor will change significantly with regional traffic remaining on the main lanes and local traffic on the frontage roads. According to TxDOT planning studies, the projected traffic volumes on the future frontage roads at regional buildout are anticipated to utilize less than 50% of the available roadway capacity.

TRIP GENERATION

Based upon information from the operator, the proposed use is anticipated to generate approximately 156 vehicular trip ends per day, including 100 truck trip ends. [NOTE: each vehicle entry to or exit from the site at any driveway is considered a trip end.] Additional information is provided below:

- Hours of operation: 7:30 AM – 5:00 PM (Monday-Saturday) [peak truck traffic period: 9:00-11:00 AM]
- Number of daily employees: 28
- Transfer trucks per day: 50
- Other trips generated: Less than ten (10) equipment/supply deliveries per week (must enter and exit at the scale house on Robinson Road)
- Driveways: can be gated to prevent site access outside of hours of operation

CONCLUSIONS

Direct access to the site will primarily occur on Robinson Road with limited, secondary access (truck egress only) provided on Eastgate Road. Both roadways are public and provide ample excess roadway capacity. No improvements to the roadways are required to accommodate the trips generated by the proposed use.

The subject site is accessible from US 287 in Midlothian, Texas. Currently, US 287 operates well over the theoretical roadway capacity. However, the addition of frontage roads and the removal of at-grade intersections along US 287, which will significantly increase roadway capacity, is underway by the Texas Department of Transportation. The project to upgrade the corridor is scheduled to be let in 2028 pending funding availability. Upon completion, US 287 will provide surplus roadway capacity.

The proposed use is projected to generate approximately 156 trip ends (50 trucks generated and 28 employees generated) per day between 7:30 AM and 5:00 PM. The majority of employees will arrive at the site during the AM peak traffic period and depart during the PM peak traffic period. The majority of truck trips generated by the site will occur outside of the peak traffic hours.

END OF MEMO

STRATEGIC MATERIALS, INC.
APPROXIMATELY 11 ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

FACILITY ACCESS CONTROL MAP

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_X_SITE_TRAFFIC
DATE: 9/11/2024
DRAWN BY: LS
APPROVED BY: AM

Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

FIGURE II.12

0 150 '
1 inch = 150 feet
N

From: Juan Paredes
To: Amanda Marcks, P.E.; Elecia Moore
Cc: Stephanie Sartain
Subject: RE: [EXTERNAL] RE: TCEQ MSW Type V Registration for a Recycling Facility - TxDOT coordination
Date: Tuesday, September 17, 2024 8:40:36 AM
Attachments: image001.png
image002.png

Amanda,

As discussed, TxDOT has reviewed the request and does not have any traffic or location restrictions for this type of operation at the requested address. Please let me know if you have any questions.

Thanks,

Juan A. Paredes, P.E.
Area Engineer
Ellis/Navarro Counties
Office: 972/938-1570
Cell: 469/309-8217

Texas Department of Transportation

From: Amanda Marcks, P.E. <amarcks@esepartners.com>
Sent: Monday, September 16, 2024 7:55 AM
To: Ceason Clemens <Ceason.Clemens@txdot.gov>; Juan Paredes <Juan.Paredes@txdot.gov>; Elecia Moore <Elecia.Moore@txdot.gov>
Cc: Stephanie Sartain <stephanie@esepartners.com>
Subject: RE: [EXTERNAL] RE: TCEQ MSW Type V Registration for a Recycling Facility - TxDOT coordination

Good morning,

I am following-up if our request is in que to be reviewed.

Regards,

Amanda Marcks, P.E.

ATTACHMENT II-7

GEOLOGY AND SOILS

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

Rev. 0

Date Prepared: September 17, 2024

Revision Date:

Prepared By:

ESE Partners, LLC

2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131

Austin Chalk (Kau)
Upper and lower parts, chalk, mostlly microgranular calcite, massive, some interbeds and partings of calcareous clay, thin bentonitic locally in lower part, lower part forms westward-facing scarp; light gray. Middle part, mostly thin-bedded marl with interbeds of massive chalk, loccaly burrowd, marcasite-pyrite modules common, light gray. Weahters white, marine megafossils scarce, thickness 300-500 feet, thins southward

STRATEGIC MATERIALS, INC.
APPROXIMATELY ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

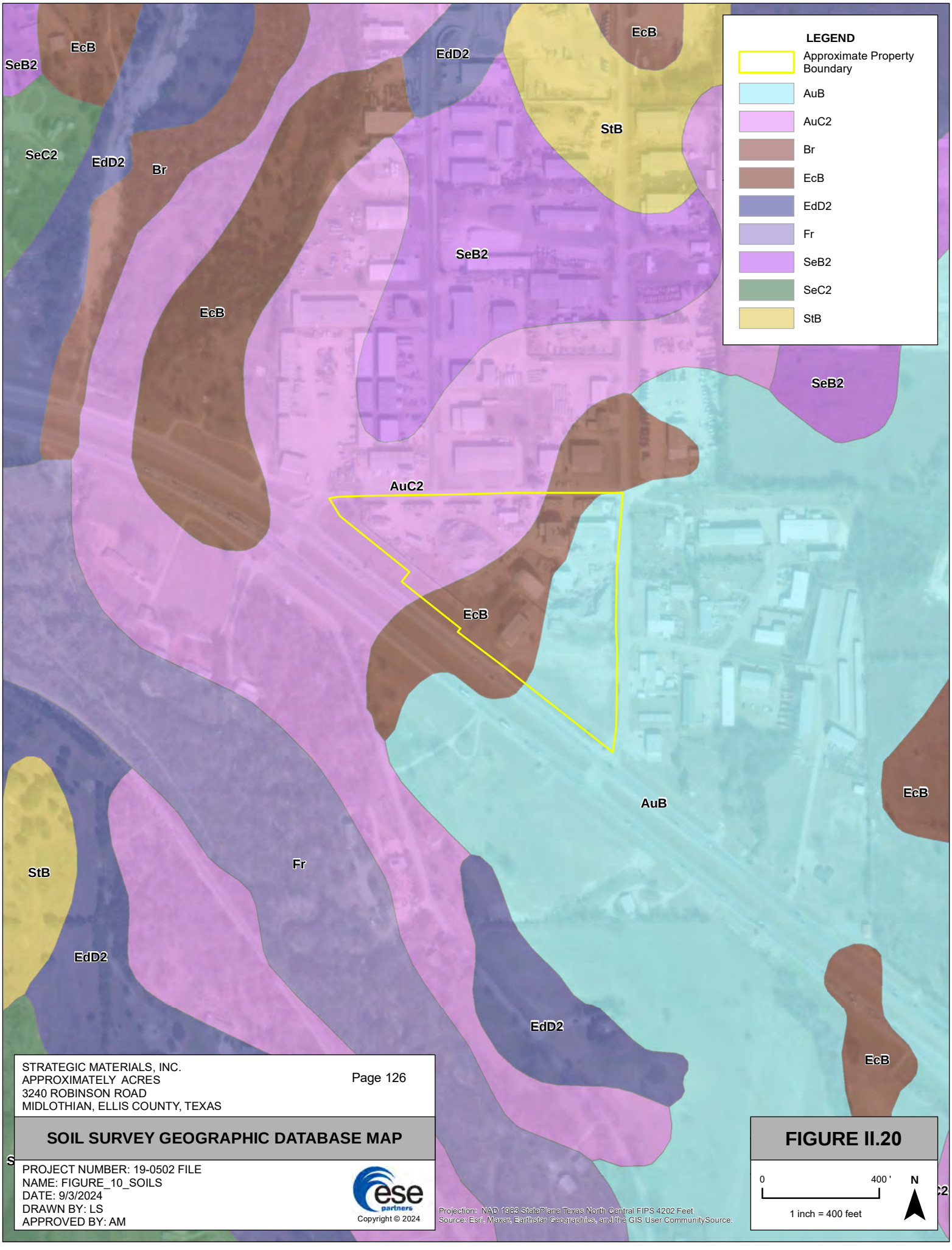
REGIONAL GEOLOGIC MAP
PROVIDED BY USGS AND TWSC

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_9_GEOLOGIC
DATE: 9/3/2024
DRAWN BY: LS
APPROVED BY: AM

Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

FIGURE II.19

0 400 '
1 inch = 400 feet
N



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Page 126

SOIL SURVEY GEOGRAPHIC DATABASE MAP

PROJECT NUMBER: 19-0502 FILE
NAME: FIGURE_10_SOILS
DATE: 9/3/2024
DRAWN BY: LS
APPROVED BY: AM

Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

FIGURE II.20

0 400 '

1 inch = 400 feet

N

ATTACHMENT II-8

AQUIFER MAP

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MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

Rev. 0

Date Prepared: September 17, 2024

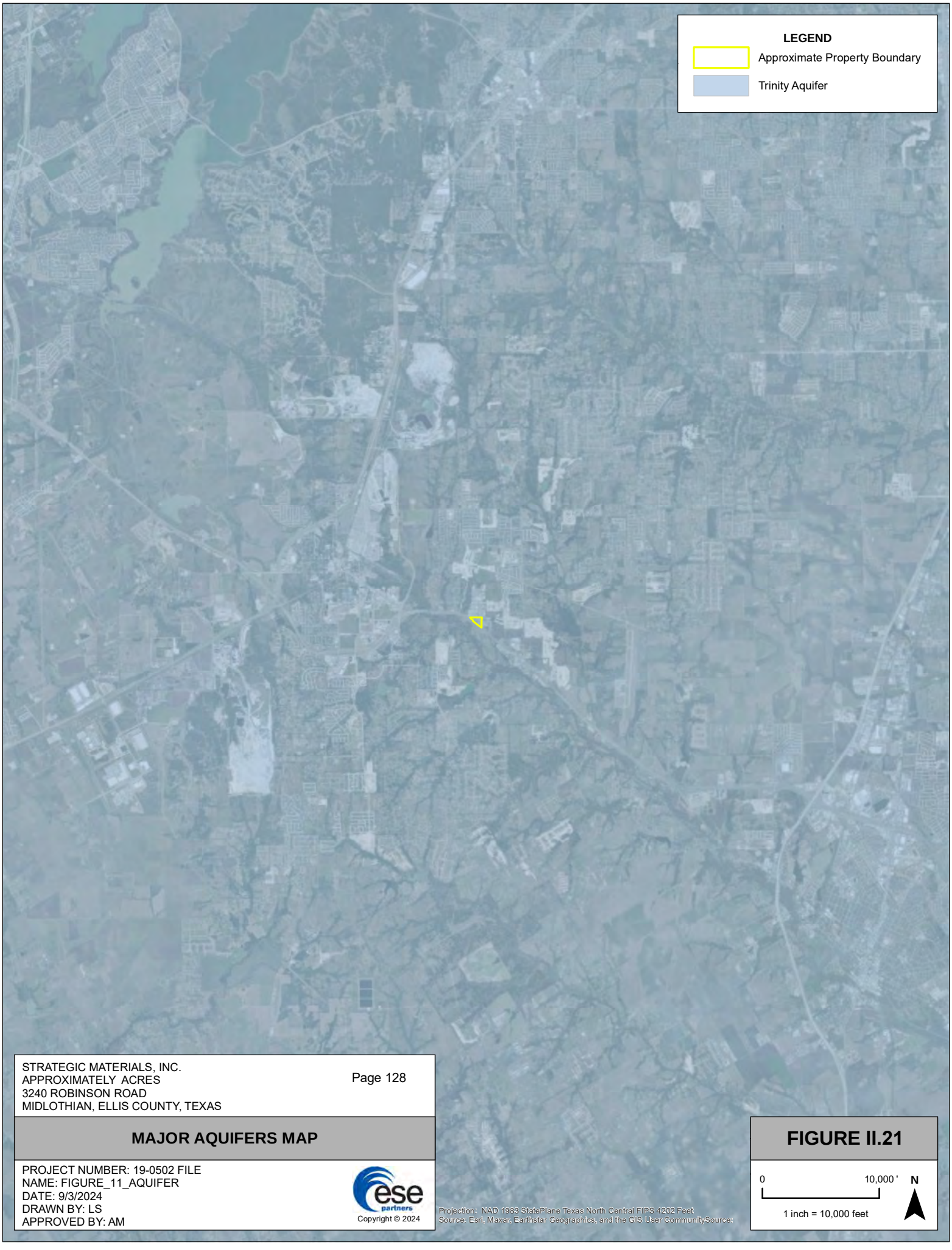
Revision Date:

Prepared By:

ESE Partners, LLC

2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131



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MAJOR AQUIFERS MAP

FIGURE II.21

PROJECT NUMBER: 19-0502 FILE
NAME: FIGURE_11_AQUIFER
DATE: 9/3/2024
DRAWN BY: LS
APPROVED BY: AM

Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

0 10,000 '

1 inch = 10,000 feet

N

ATTACHMENT II-9

EXISTING OR ABANDONED WELLS

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

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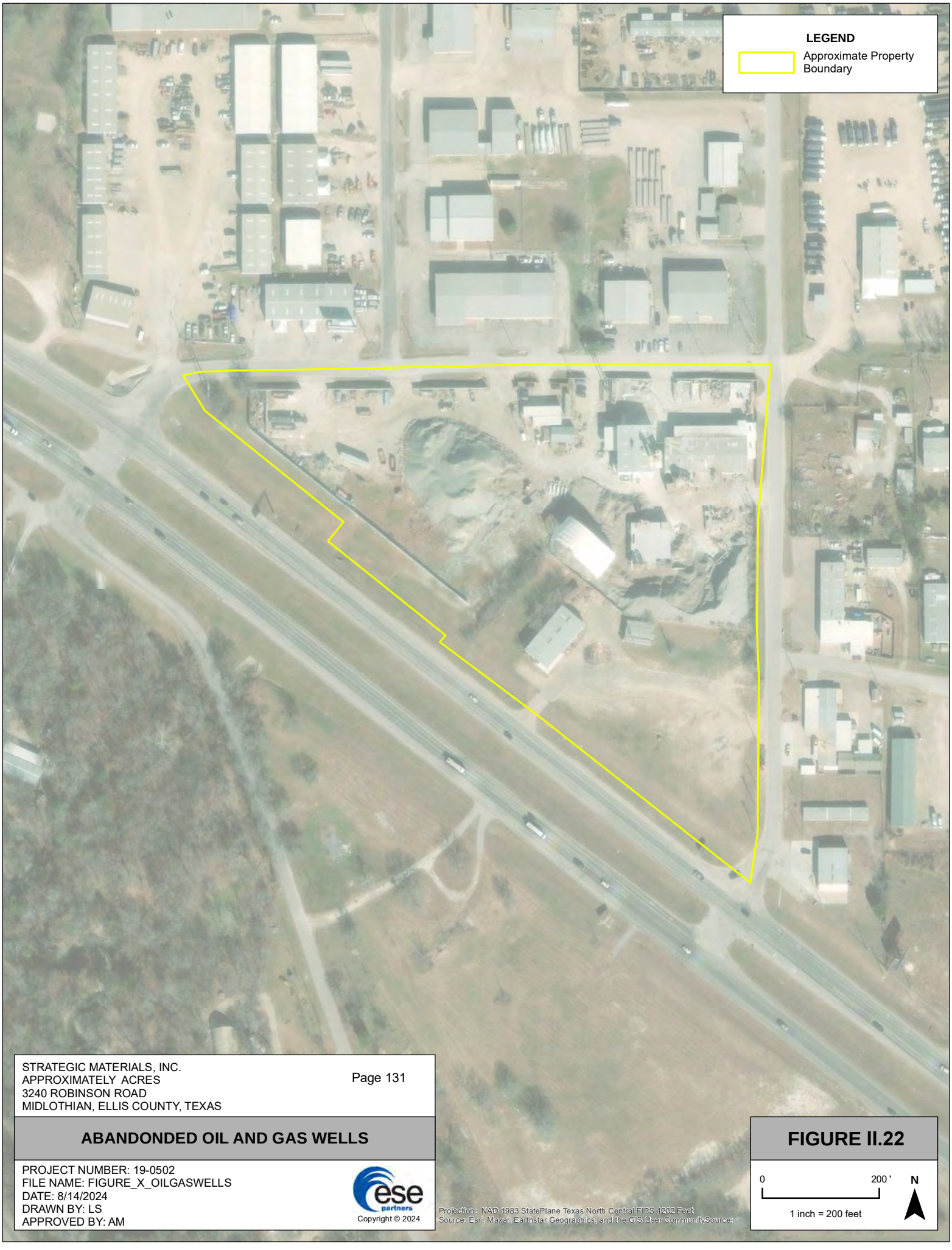
DISCUSSION

Information presented in this Attachment II-9 is based upon studies carried out by ESE Partners, LLC.

A review of the Texas Water Development Board's (TWDB) Water Data Interactive well viewer, as well as downloaded data from the Submitted Driller's Reports Database (SDRDB) and the TWDB Groundwater Database (GWDB) were used to locate groundwater wells at the Site and the surrounding 500-foot radius. The 500-foot radius was measured from the Site boundaries.

According to the TWDB, there were no water wells, existing or plugged, located within the Site or its surrounding 500-foot radius. The nearest water wells, which are shown within the mapped extents of the Well Locations map, are both located outside the 500-foot radius boundary (See Attachment II-1, Figure II.2).

A review of the Texas Railroad Commission Public GIS viewer and downloaded well data from Ellis County did not show any existing or abandoned crude oil or natural gas wells within the Site (Attachment II-9, Figure II.22).



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ABANDONDED OIL AND GAS WELLS

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_X_OILGASWELLS
DATE: 8/14/2024
DRAWN BY: LS
APPROVED BY: AM

Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

FIGURE II.22

0 200 '

1 inch = 200 feet

N

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WATER WELLS MAP

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_X_WATERWELLS
DATE: 9/11/2024
DRAWN BY: LS
APPROVED BY: AM

Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

FIGURE II.2

0 1,500 '

1 inch = 1,500 feet

N

ATTACHMENT II-10

FLOODPLAINS

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

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Date Prepared: September 17, 2024

Revision Date:

Prepared By:

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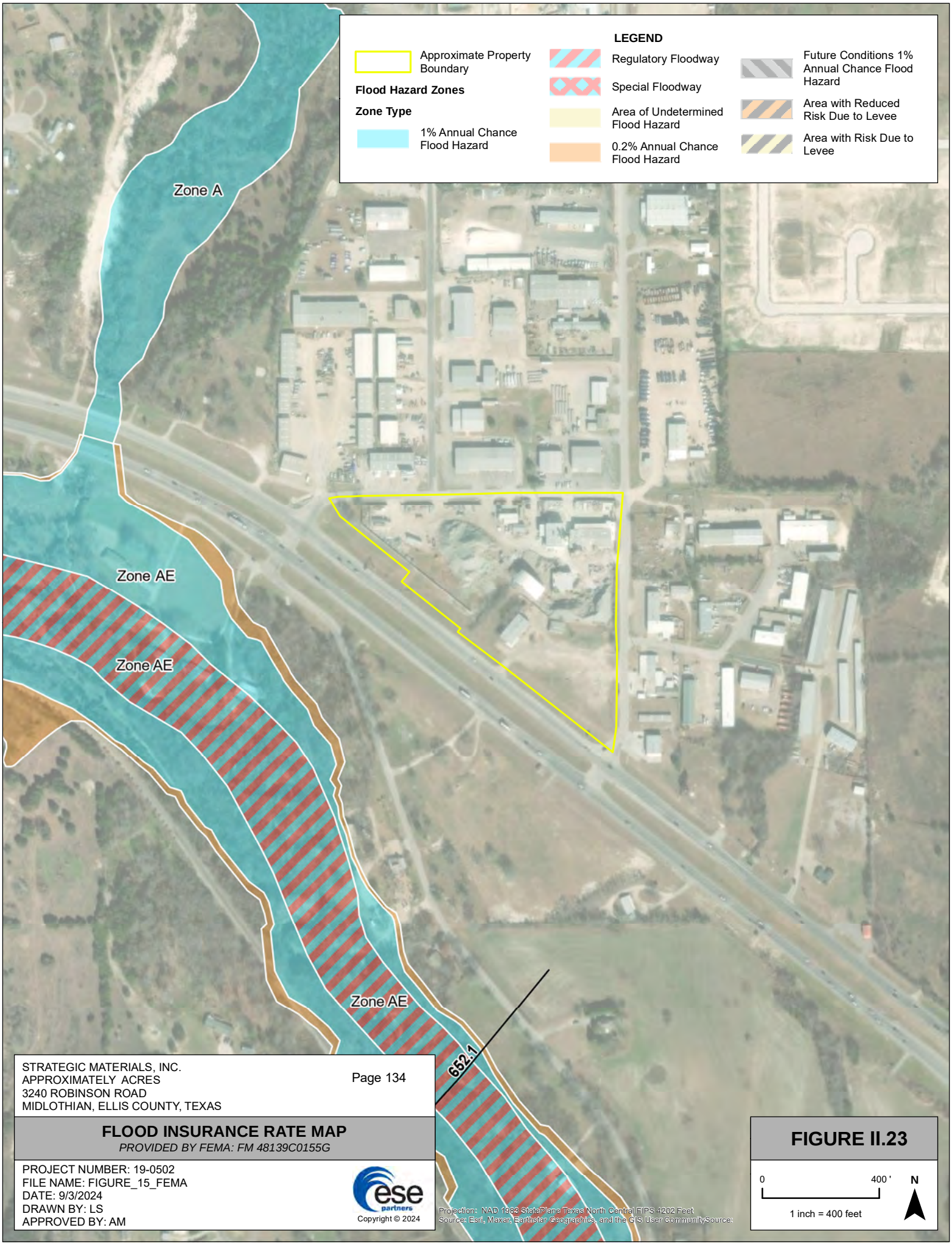

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FLOOD INSURANCE RATE MAP
PROVIDED BY FEMA: FM 48139C0155G

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_15_FEMA
DATE: 9/3/2024
DRAWN BY: LS
APPROVED BY: AM

Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

FIGURE II.23

0 400 '
1 inch = 400 feet
N

ATTACHMENT II-11

WETLANDS

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

Rev. 0

Date Prepared: September 17, 2024

Revision Date:

Prepared By:

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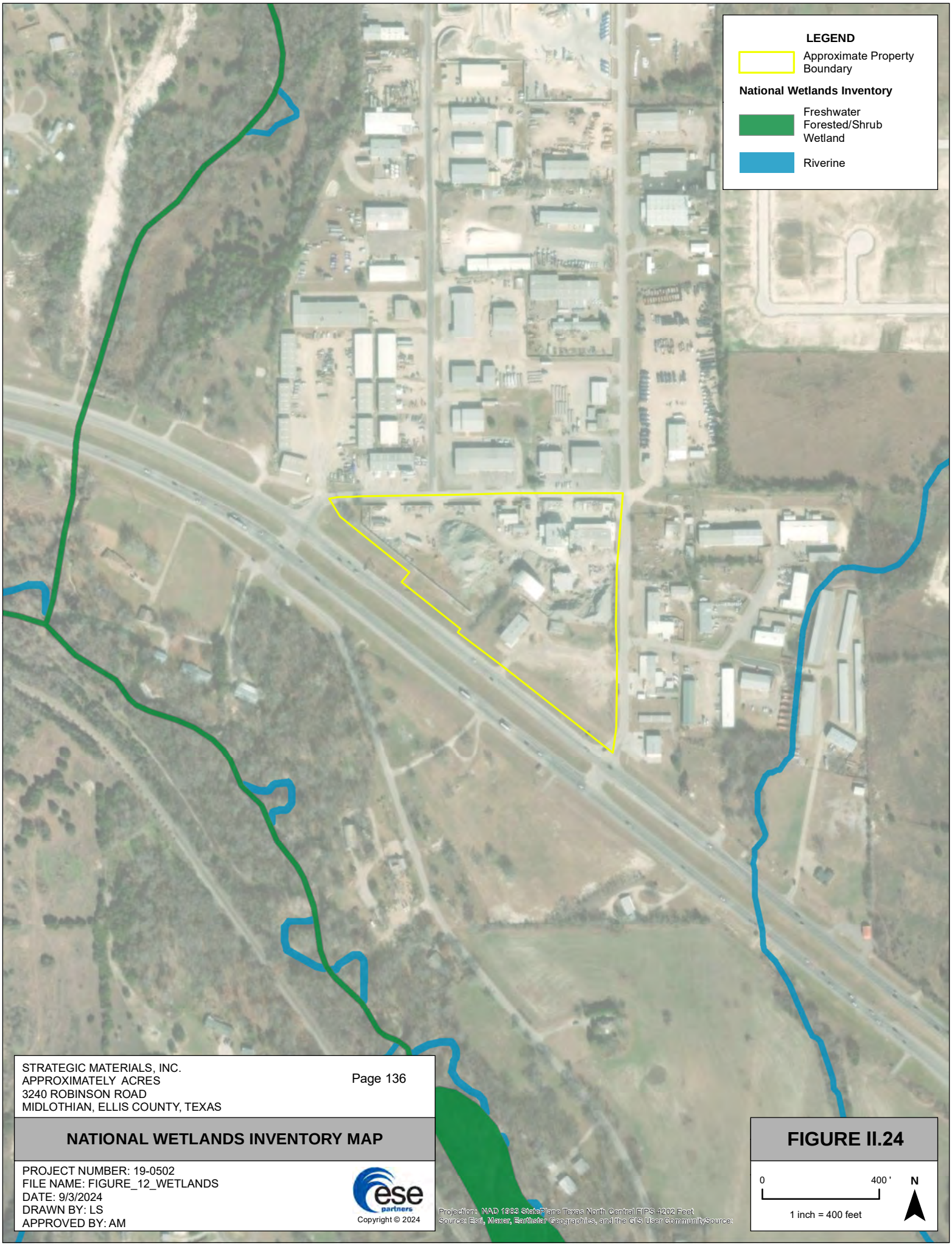

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NATIONAL WETLANDS INVENTORY MAP

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_12_WETLANDS
DATE: 9/3/2024
DRAWN BY: LS
APPROVED BY: AM

Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

FIGURE II.24

0 400 '

1 inch = 400 feet

N

ATTACHMENT II-12

ENDANGERED AND THREATENED SPECIES

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

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Revision Date:

Prepared By:

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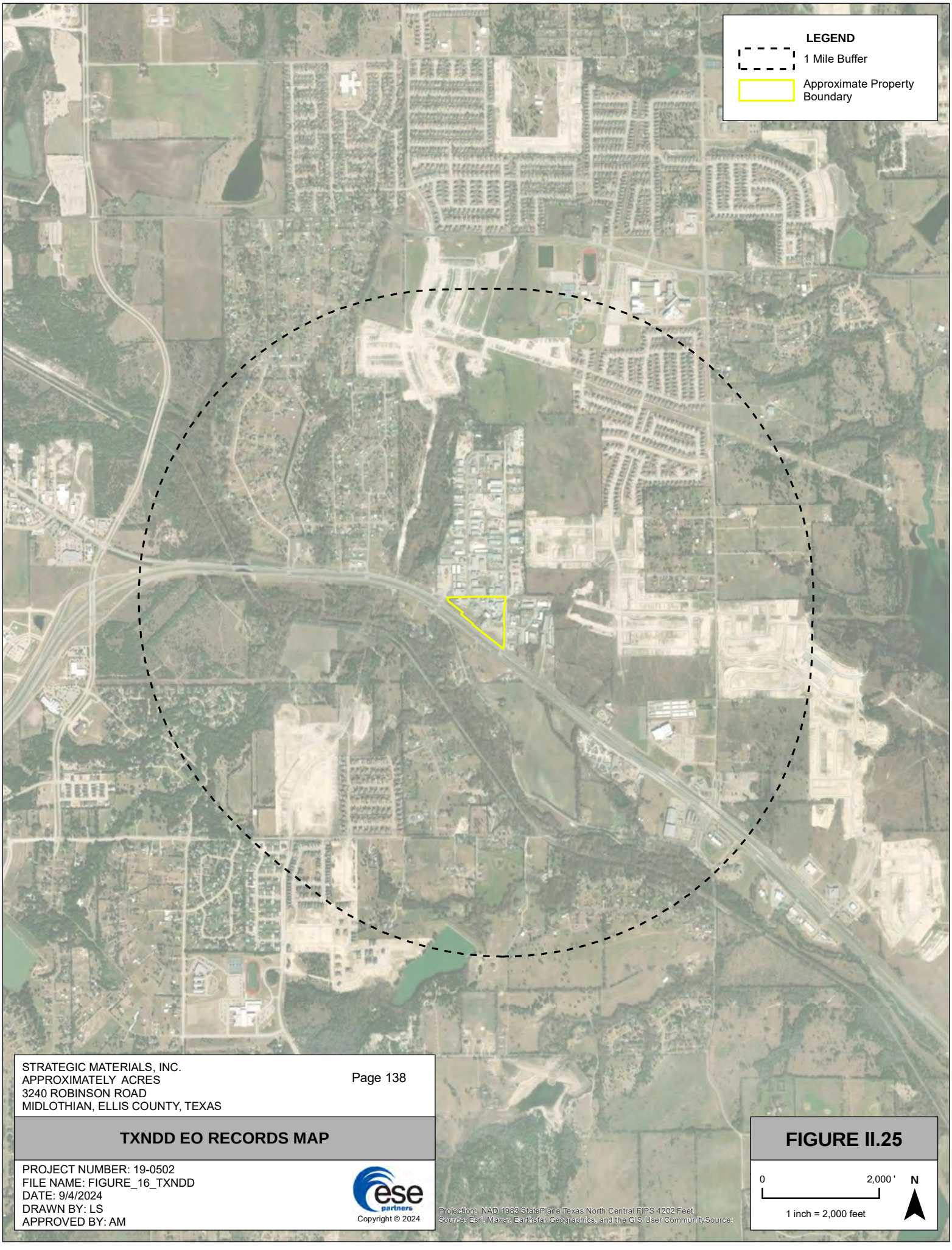

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TXNDD EO RECORDS MAP

FIGURE II.25

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_16_TXNDD
DATE: 9/4/2024
DRAWN BY: LS
APPROVED BY: AM

Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

0 2,000 '

1 inch = 2,000 feet

N

IPaC **U.S. Fish & Wildlife Service**

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

Ellis County, Texas

Local office

Arlington Ecological Services Field Office

(817) 277-1100
(817) 277-1129
arles@fws.gov

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 species[1] 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 Fisheries[2]).

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:

Mammals

NAME	STATUS
Tricolored Bat Perimyotis subflavus Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/10515	Proposed Endangered

Birds

NAME	STATUS
Piping Plover Charadrius melodus 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	Threatened
Rufa Red Knot Calidris canutus rufa 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	Threatened
Whooping Crane Grus americana There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/758	Endangered

Reptiles

NAME	STATUS

NAME	STATUS
Alligator Snapping Turtle Macrochelys temminckii Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/4658	Proposed Threatened

Insects

NAME	STATUS
Monarch Butterfly Danaus plexippus Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9743	Candidate

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

There are no documented cases of eagles being present at this location. However, if you believe eagles may be using your site, please reach out to the local Fish and Wildlife Service office.

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 conservation 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

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 a BCC species in that area, an eagle (Eagle Act requirements may apply). To see a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

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

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

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) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle 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, please visit the Rapid Avian Information Locator (RAIL) Tool.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur. Please contact your local Fish and Wildlife Service Field Office if you have questions.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats[3] should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "Supplemental Information on Migratory Birds and Eagles".

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 conservation 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

The birds listed below are birds of particular concern either because they occur on the USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found below.

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.

NAME	BREEDING SEASON
Chimney Swift Chaetura pelagica 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 Tringa flavipes 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 Egretta caerulea — Breeds Mar 10 to Oct 15
This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

Prairie Loggerhead Shrike Lanius ludovicianus excubitorides — Breeds Feb 1 to Jul 31
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

Red-headed Woodpecker Melanerpes erythrocephalus — Breeds May 10 to Sep 10
This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

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.
2. 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.

3. 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.

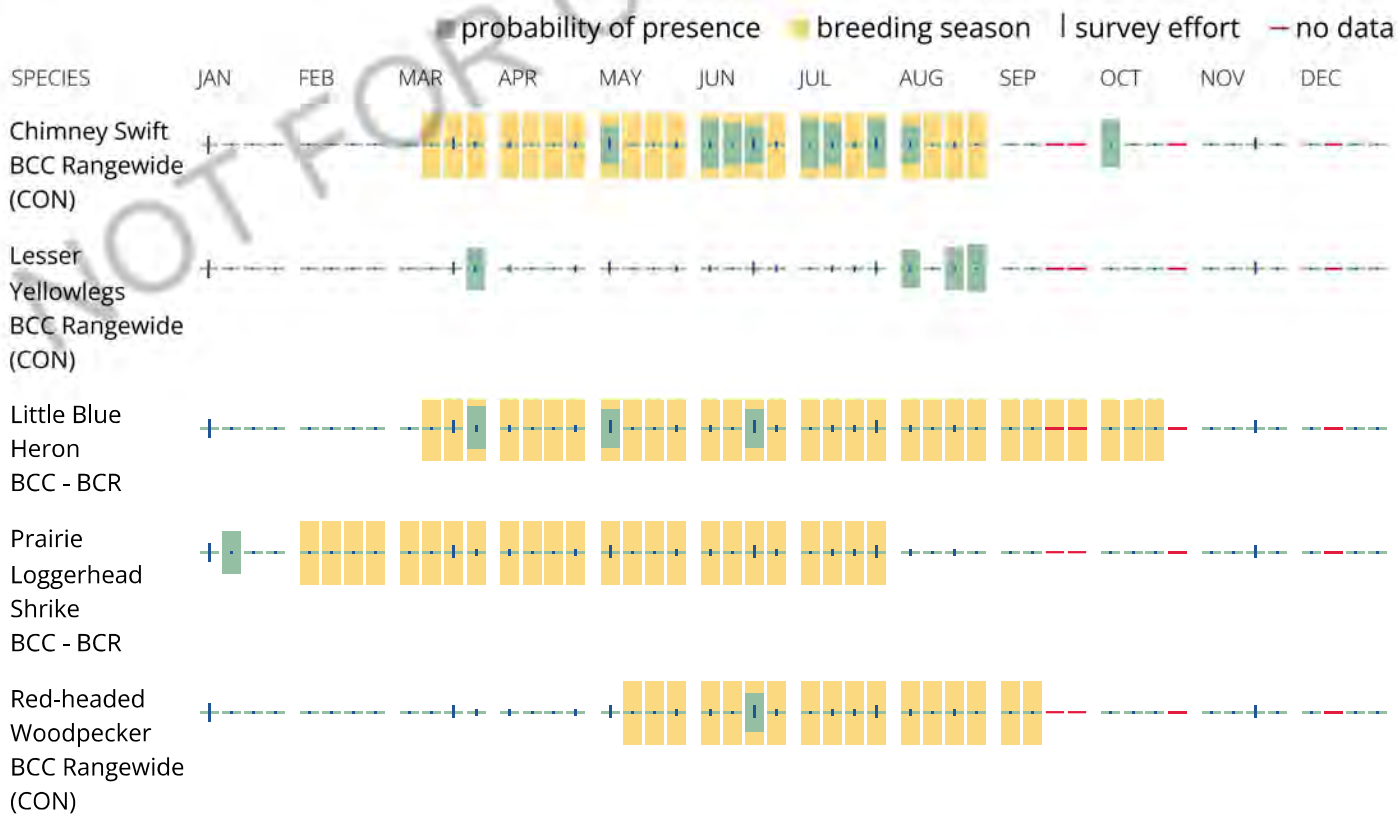
Breeding Season (▪)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

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.



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

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding 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 USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

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) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle 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, please visit the Rapid Avian Information Locator (RAIL) Tool.

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 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 year-round), you may query your location using the RAIL Tool and look at 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 migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, 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 Eagle 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 try 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 eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

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.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

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 also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). 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 is not perfect; 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 helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or

minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

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.

Wetland information is not available at this time

This can happen when the National Wetlands Inventory (NWI) map service is unavailable, or for very large projects that intersect many wetland areas. Try again, or visit the NWI map to view wetlands at this location.

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 tuberficid 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.

Last Update: 8/22/2024

ELLIS COUNTY

AMPHIBIANS

southern crawfish frog *Lithobates areolatus areolatus*

Terrestrial and aquatic: The terrestial habitat is primarily grassland and can vary from pasture to intact prairie; it can also include small prairies in the middle of large forested areas. Aquatic habitat is any body of water but preferred habitat is ephemeral wetlands.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G4T4	State Rank: S3

Strecker's chorus frog *Pseudacris streckeri*

Terrestrial and aquatic: Wooded floodplains and flats, prairies, cultivated fields and marshes. Likes sandy substrates.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S3

Woodhouse's toad *Anaxyrus woodhousii*

Terrestrial and aquatic: A wide variety of terrestrial habitats are used by this species, including forests, grasslands, and barrier island sand dunes. Aquatic habitats are equally varied.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S5

BIRDS

bald eagle *Haliaeetus leucocephalus*

Found primarily near rivers and large lakes; nests in tall trees or on cliffs near water; communally roosts, especially in winter; hunts live prey, scavenges, and pirates food from other birds

Federal Status: DL	State Status:	SGCN: N
Endemic: N	Global Rank: G5	State Rank: S3B,S3N

Bank Swallow *Riparia riparia*

Bank Swallows live in low areas along rivers, streams, ocean coasts, and reservoirs. Their territories usually include vertical cliffs or banks where they nest in colonies of 10 to 2,000 nests. Though in the past Bank Swallows were most commonly found around natural bluffs or eroding streamside banks, they now often nest in human-made sites, such as sand and gravel quarries or road cuts. They forage in open areas and avoid places with tree cover.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S2B,S4N

black rail *Laterallus jamaicensis*

The county distribution for this species includes geographic areas that the species may use during migration. Time of year should be factored into evaluations to determine potential presence of this species in a specific county. Salt, brackish, and freshwater marshes, pond borders, wet meadows, and grassy swamps; nests in or along edge of marsh, sometimes on damp ground, but usually on mat of previous years dead grasses; nest usually hidden in marsh grass or at base of Salicornia

Federal Status: T	State Status: T	SGCN: Y
Endemic: N	Global Rank: G3	State Rank: S2

ELLIS COUNTY

BIRDS

Brewer's Blackbird *Euphagus cyanocephalus*

Shrubby and bushy areas (especially near water), riparian woodland, aspen parklands, cultivated lands, marshes, and around human habitation; in migration and winter also in pastures and fields (AOU 1983).

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S5

chestnut-collared longspur *Calcarius ornatus*

Occurs in open shortgrass settings especially in patches with some bare ground. Also occurs in grain sorghum fields and Conservation Reserve Program lands

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S3

Common Grackle *Quiscalus quiscula*

Common Grackles do well in human landscapes, using scattered trees for nesting and open ground for foraging. Typical natural habitats include open woodland, forest edge, grassland, meadows, swamps, marshes, and palmetto hammocks. They are also very common near agricultural fields and feedlots, suburbs, city parks, cemeteries, pine plantations, and hedgerows. Unbroken tracts of forest are the only places where you are unlikely to find Common Grackles.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S5B

Common Nighthawk *Chordeiles minor*

Common Nighthawks nest in both rural and urban habitats including coastal sand dunes and beaches, logged forest, recently burned forest, woodland clearings, prairies, plains, sagebrush, grasslands, open forests, and rock outcrops. They also nest on flat gravel rooftops, though less often as gravel roofs are being replaced by smooth, rubberized roofs that provide an unsuitable surface.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S4B

Franklin's gull *Leucophaeus pipixcan*

The county distribution for this species includes geographic areas that the species may use during migration. Time of year should be factored into evaluations to determine potential presence of this species in a specific county. This species is only a spring and fall migrant throughout Texas. It does not breed in or near Texas. Winter records are unusual consisting of one or a few individuals at a given site (especially along the Gulf coastline). During migration, these gulls fly during daylight hours but often come down to wetlands, lake shore, or islands to roost for the night.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S2N

interior least tern *Sternula antillarum athalassos*

Sand beaches, flats, bays, inlets, lagoons, islands. Subspecies is listed only when inland (more than 50 miles from a coastline); nests along sand and gravel bars within braided streams, rivers; also know to nest on man-made structures (inland beaches, wastewater treatment plants, gravel mines, etc); eats small fish and crustaceans, when breeding forages within a few hundred feet of colony

Federal Status: DL	State Status: E	SGCN: N
Endemic: N	Global Rank: G4T3Q	State Rank: S1B

ELLIS COUNTY

BIRDS

Least Tern *Sternula antillarum*

Sand beaches, flats, bays, inlets, lagoons, islands, river sandbars and flat gravel rooftops in urban areas.

Federal Status: DL	State Status:	SGCN: Y
Endemic: N	Global Rank: G4	State Rank: S2B

Loggerhead Shrike *Lanius ludovicianus*

Loggerhead Shrikes inhabit open country with short vegetation and well-spaced shrubs or low trees, particularly those with spines or thorns. They frequent agricultural fields, pastures, old orchards, riparian areas, desert scrublands, savannas, prairies, golf courses, and cemeteries. Loggerhead Shrikes are often seen along mowed roadsides with access to fence lines and utility poles.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G4	State Rank: S4B

Mottled Duck *Anas fulvigula*

Estuaries, ponds, lakes, secondary bays.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G4	State Rank: S4B

Northern Bobwhite *Colinus virginianus*

Inhabits a wide variety of vegetation types, particularly early successional stages. Occurs in croplands, grasslands, pastures, fallow fields, grass-brush rangelands, open pinelands, open mixed pine-hardwood forests, and habitat mosaics (Brennan 1999).

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G4G5	State Rank: S4B

piping plover *Charadrius melodus*

The county distribution for this species includes geographic areas that the species may use during migration. Time of year should be factored into evaluations to determine potential presence of this species in a specific county. Beaches, sandflats, and dunes along Gulf Coast beaches and adjacent offshore islands. Also spoil islands in the Intracoastal Waterway. Based on the November 30, 1992 Section 6 Job No. 9.1, Piping Plover and Snowy Plover Winter Habitat Status Survey, algal flats appear to be the highest quality habitat. Some of the most important aspects of algal flats are their relative inaccessibility and their continuous availability throughout all tidal conditions. Sand flats often appear to be preferred over algal flats when both are available, but large portions of sand flats along the Texas coast are available only during low-very low tides and are often completely unavailable during extreme high tides or strong north winds. Beaches appear to serve as a secondary habitat to the flats associated with the primary bays, lagoons, and inter-island passes. Beaches are rarely used on the southern Texas coast, where bayside habitat is always available, and are abandoned as bayside habitats become available on the central and northern coast. However, beaches are probably a vital habitat along the central and northern coast (i.e. north of Padre Island) during periods of extreme high tides that cover the flats. Optimal site characteristics appear to be large in area, sparsely vegetated, continuously available or in close proximity to secondary habitat, and with limited human disturbance.

Federal Status: T	State Status: T	SGCN: Y
Endemic: N	Global Rank: G3	State Rank: S2N

ELLIS COUNTY

BIRDS

rufa red knot *Calidris canutus rufa*

The county distribution for this species includes geographic areas that the species may use during migration. Time of year should be factored into evaluations to determine potential presence of this species in a specific county. Habitat: Primarily seacoasts on tidal flats and beaches, herbaceous wetland, and Tidal flat/shore. Bolivar Flats in Galveston County, sandy beaches Mustang Island, few on outer coastal and barrier beaches, tidal mudflats and salt marshes.

Federal Status: T	State Status: T	SGCN: Y
Endemic: N	Global Rank: G4T2	State Rank: S2N

Sanderling *Calidris alba*

Nonbreeding: primarily sandy beaches, less frequently on mud flats and shores of lakes or rivers (AOU 1983) also on exposed reefs (Pratt et al. 1987). Sleeps/loafs on upper beach or on salt pond dike.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S5

Snowy Plover *Charadrius nivosus*

Algal flats appear to be the highest quality habitat. Some of the most important aspects of algal flats are their relative inaccessibility and their continuous availability throughout all tidal conditions. An optimal site characteristic would be large in size. The size of populations appear to be roughly proportional to the total area of suitable habitat used. Formerly an uncommon breeder in the Panhandle; potential migrant; winter along coast.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G3	State Rank: S3B

Sprague's pipit *Anthus spragueii*

The county distribution for this species includes geographic areas that the species may use during migration. Time of year should be factored into evaluations to determine potential presence of this species in a specific county. Habitat during migration and in winter consists of pastures and weedy fields (AOU 1983), including grasslands with dense herbaceous vegetation or grassy agricultural fields.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G3G4	State Rank: S3N

western burrowing owl *Athene cunicularia hypugaea*

Open grasslands, especially prairie, plains, and savanna, sometimes in open areas such as vacant lots near human habitation or airports; nests and roosts in abandoned burrows

Federal Status:	State Status:	SGCN: N
Endemic: N	Global Rank: G4T4	State Rank: S2

white-faced ibis *Plegadis chihi*

The county distribution for this species includes geographic areas that the species may use during migration. Time of year should be factored into evaluations to determine potential presence of this species in a specific county. Prefers freshwater marshes, sloughs, and irrigated rice fields, but will attend brackish and saltwater habitats; currently confined to near-coastal rookeries in so-called hog-wallow prairies. Nests in marshes, in low trees, on the ground in bulrushes or reeds, or on floating mats.

Federal Status:	State Status: T	SGCN: N
Endemic: N	Global Rank: G5	State Rank: S4B

ELLIS COUNTY

BIRDS

whooping crane *Grus americana*

The county distribution for this species includes geographic areas that the species may use during migration. Time of year should be factored into evaluations to determine potential presence of this species in a specific county. Small ponds, marshes, and flooded grain fields for both roosting and foraging. Potential migrant via plains throughout most of state to coast; winters in coastal marshes of Aransas, Calhoun, and Refugio counties.

Federal Status: E	State Status: E	SGCN: Y
Endemic: N	Global Rank: G1	State Rank: S1S2N

Willet *Tringa semipalmata*

Marshes, tidal mudflats, beaches, lake margins, mangroves, tidal channels, river mouths, coastal lagoons, sandy or rocky shores, and, less frequently, open grassland (AOU 1983, Stiles and Skutch 1989).

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S5B

Wilson's Warbler *Cardellina pusilla*

Wilson’s warblers key in on forests and scrubby areas along streams to fatten up during migration. During the nonbreeding season they use many types of habitats from lowland thickets near streams to high-elevation cloud forests in Mexico and Central America.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S4

wood stork *Mycteria americana*

The county distribution for this species includes geographic areas that the species may use during migration. Time of year should be factored into evaluations to determine potential presence of this species in a specific county. Prefers to nest in large tracts of baldcypress (Taxodium distichum) or red mangrove (Rhizophora mangle); forages in prairie ponds, flooded pastures or fields, ditches, and other shallow standing water, including salt-water; usually roosts communally in tall snags, sometimes in association with other wading birds (i.e. active heronries); breeds in Mexico and birds move into Gulf States in search of mud flats and other wetlands, even those associated with forested areas; formerly nested in Texas, but no breeding records since 1960.

Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G4	State Rank: SHB,S3N

Yellow Rail *Coturnicops noveboracensis*

BREEDING: Emergent wetlands, grass or sedge marshes and wet meadows in freshwater situations. Some breeding territories in these wet meadows contain firm footing and only a few remnant pools of water (Berkey 1991). These areas can range from damp to 38 cm (15 inches) of water but the average depth used for nesting is 8 to 15 cm (3 to 6 inches) (Savaloja 1981). NON-BREEDING: Grain fields in winter and when migrating. Winters in both freshwater and brackish marshes, as well as in dense, deep grass. During fall migration, will use many open habitats, from rice paddies to dry hayfields.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G4	State Rank: S3N

yellow-billed cuckoo *Coccyzus americanus*

ELLIS COUNTY

BIRDS

In Texas, the populations of concern are found breeding in riparian areas in the Trans Pecos (know as part of the Western Distinct Population Segment). It is the Western DPS that is on the U.S. ESA threatened list and includes the Texas counties Brewster, Culberson, El Paso, Hudspeth, Jeff Davis, and Presidio. Riparian woodlands below 6,000' in elevation consisting of cottonwoods and willows are prime habitat. This species is a long-distant migrant that summers in Texas, but winters mainly in South America. Breeding birds of the Trans Pecos populations typically arrive on their breeding grounds possibly in late April but the peak arrival time is in May. Threats to preferred habitat include hydrologic changes that don't promote the regeneration of cottonwoods and willows, plus livestock browsing and trampling of sapling trees in sensitive riparian areas.

Federal Status: T	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S4S5B

FISH

spotted sucker *Minytrema melanops*

Found primarily in east Texas streams from the Red to the Brazos river basins. An isolated, disjunct population occurs in the Llano River near Junction downstream to about Mason; this may be an introduced population. Typically in clear creeks with firm substrates.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S3

INSECTS

American bumblebee *Bombus pensylvanicus*

Habitat description is not available at this time.

Federal Status:	State Status:	SGCN: Y
Endemic:	Global Rank: G3G4	State Rank: SNR

MAMMALS

cave myotis bat *Myotis velifer*

Colonial and cave-dwelling; also roosts in rock crevices, old buildings, carports, under bridges, and even in abandoned Cliff Swallow (Hirundo pyrrhonota) nests; roosts in clusters of up to thousands of individuals; hibernates in limestone caves of Edwards Plateau and gypsum cave of Panhandle during winter; opportunistic insectivore.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G4G5	State Rank: S2S3

eastern spotted skunk *Spilogale putorius*

Generalist; open fields prairies, croplands, fence rows, farmyards, forest edges & woodlands. Prefer wooded, brushy areas & tallgrass prairies. S.p. ssp. interrupta found in wooded areas and tallgrass prairies, preferring rocky canyons and outcrops when such sites are available.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G4	State Rank: S1S3

ELLIS COUNTY

MAMMALS

hoary bat *Lasiurus cinereus*

Hoary bats are highly migratory, high-flying bats that have been noted throughout the state. Females are known to migrate to Mexico in the winter, males tend to remain further north and may stay in Texas year-round. Commonly associated with forests (foliage roosting species) but are found in unforested parts of the state and lowland deserts. Tend to be captured over water and large, open flyways.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G3G4	State Rank: S3

mountain lion *Puma concolor*

Generalist; found in a wide range of habitats statewide. Found most frequently in rugged mountains & riparian zones.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S2S3

plains spotted skunk *Spilogale interrupta*

Generalist; open fields, prairies, croplands, fence rows, farmyards, forest edges, and woodlands; prefers wooded, brushy areas and tallgrass prairie

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G4	State Rank: S1S3

Seminole bat *Lasiurus seminolus*

Pine-oak and long-leaf pine in east Texas. Habitats include pine, mixed pine-hardwood, and hardwood forests of uplands and bottomlands, particularly pine-dominated forests, including mature pine and pine-hardwood corridors in managed pine forest landscapes (Menzel et al. 1998, 1999, 2000; Carter et al. 2004; Marks and Marks 2006; Perry and Thill 2007; Perry et al. 2007; Hein et al. 2008; Ammerman et al. 2012).

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S3

southeastern myotis bat *Myotis austroriparius*

Caves are rare in Texas portion of range; buildings, hollow trees are probably important. Historically, lowland pine and hardwood forests with large hollow trees; associated with ecological communities near water. Roosts in cavity trees of bottomland hardwoods, concrete culverts, and abandoned man-made structures.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G4	State Rank: S3?

tricolored bat *Perimyotis subflavus*

Forest, woodland and riparian areas are important. Caves are very important to this species.

Federal Status: PE	State Status:	SGCN: Y
Endemic: N	Global Rank: G3G4	State Rank: S2

ELLIS COUNTY

MOLLUSKS

Louisiana pigtoe *Pleurobema riddellii*

Occurs in small streams to large rivers in slow to moderate currents in substrates of clay, mud, sand, and gravel. Not known from impoundments (Howells 2010f; Randklev et al. 2013b; Troia et al. 2015). [Mussels of Texas 2019]

Federal Status: PT	State Status: T	SGCN: Y
Endemic: N	Global Rank: G1G2	State Rank: S1

Mapleleaf *Quadrula quadrula*

Reported from streams to rivers, lakes, and reservoirs. In riverine habitats, it may be found in main-channel habitats such as riffles or runs in sand, gravel, and cobble substrates with moderate to swift currents. May also be found in nearshore habitats such as banks and backwaters to include pools in sand or mud substrates with little to no flow. (Williams et al. 2008; Howells 2016; Haag and Cicerello 2016).

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S3

sandbank pocketbook *Lampsilis satura*

Occurs in small streams to large rivers in slow to moderate current in sandy mud to sand and gravel substrate. Can occur in a variety of habitats but most common in littoral habitats such as banks or backwaters or in protected areas along point bars (Randklev et al. 2013b; Randklev et al. 2014a; Troia et al. 2015). [Mussels of Texas 2019]

Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G2?	State Rank: S1

Texas heelsplitter *Potamilus amphichaenus*

Occurs in small streams to large rivers in standing to slow-flowing water; most common in banks, backwaters and quiet pools; adapts to some reservoirs. Often found in soft substrates such as mud, silt or sand (Howells et al. 1996; Randklev et al. 2017a). [Mussels of Texas 2019]

Federal Status: PE	State Status: T	SGCN: Y
Endemic: N	Global Rank: G1G3	State Rank: S1

Trinity pigtoe *Fusconaia chunii*

Found in a variety of habitats but most common in riffles. Inhabits various substrates though most often sand, gravel, and cobble (species was recently split from Texas Pigtoe and occurs in similar habitats; Howells 2010a; Randklev et al. 2013b; Randklev et al. 2014a; Troia et al 2015). [Mussels of Texas 2020]

Federal Status:	State Status: T	SGCN: Y
Endemic: Y	Global Rank: GNR	State Rank: S1

REPTILES

alligator snapping turtle *Macrochelys temminckii*

Aquatic: Perennial water bodies; rivers, canals, lakes, and oxbows; also swamps, bayous, and ponds near running water; sometimes enters brackish coastal waters. Females emerge to lay eggs close to the waters edge.

Federal Status: PT	State Status: T	SGCN: Y
Endemic: N	Global Rank: G3	State Rank: S2

ELLIS COUNTY

REPTILES

American alligator *Alligator mississippiensis*

Aquatic: Coastal marshes; inland natural rivers, swamps and marshes; manmade impoundments.

Federal Status: SAT	State Status:	SGCN: N
Endemic: N	Global Rank: G5	State Rank: S4

common garter snake *Thamnophis sirtalis*

Terrestrial and aquatic: Habitats used include the grasslands and modified open areas in the vicinity of aquatic features, such as ponds, streams or marshes. Damp soils and debris for cover are thought to be critical.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S2

eastern box turtle *Terrapene carolina*

Terrestrial: Eastern box turtles inhabit forests, fields, forest-brush, and forest-field ecotones. In some areas they move seasonally from fields in spring to forest in summer. They commonly enters pools of shallow water in summer. For shelter, they burrow into loose soil, debris, mud, old stump holes, or under leaf litter. They can successfully hibernate in sites that may experience subfreezing temperatures.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S3

prairie skink *Plestiodon septentrionalis*

The prairie skink can occur in any native grassland habitat across the Rolling Plains, Blackland Prairie, Post Oak Savanna and Pineywoods ecoregions.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S2

slender glass lizard *Ophisaurus attenuatus*

Terrestrial: Habitats include open grassland, prairie, woodland edge, open woodland, oak savannas, longleaf pine flatwoods, scrubby areas, fallow fields, and areas near streams and ponds, often in habitats with sandy soil.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S3

Texas horned lizard *Phrynosoma cornutum*

Terrestrial: Open habitats with sparse vegetation, including grass, prairie, cactus, scattered brush or scrubby trees; soil may vary in texture from sandy to rocky; burrows into soil, enters rodent burrows, or hides under rock when inactive. Occurs to 6000 feet, but largely limited below the pinyon-juniper zone on mountains in the Big Bend area.

Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G4G5	State Rank: S3

western box turtle *Terrapene ornata*

Terrestrial: Ornate or western box trutles inhabit prairie grassland, pasture, fields, sandhills, and open woodland. They are essentially terrestrial but sometimes enter slow, shallow streams and creek pools. For shelter, they burrow into soil (e.g., under plants such as yucca) (Converse et al. 2002) or enter burrows made by other species.

ELLIS COUNTY

REPTILES

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S3

western chicken turtle *Deirochelys reticularia miaria*

Aquatic and terrestrial: This species uses aquatic habitats in the late winter, spring and early summer and then terrestrial habitats the remainder of the year. Preferred aquatic habitats seem to be highly vegetated shallow wetlands with gentle slopes. Specific terrestrial habitats are not well known.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5T5	State Rank: S2S3

PLANTS

green hawthorn *Crataegus viridis var. glabriuscula*

In mesic soils of woods or on edge of woods, treeline/fenceline, or thicket. Above\near creeks and draws, in river bottoms. Flowering Mar-Apr; fruiting May-Oct.

Federal Status:	State Status:	SGCN: Y
Endemic: N	Global Rank: G5T3T4	State Rank: S3

Hall's prairie clover *Dalea hallii*

In grasslands on eroded limestone or chalk and in oak scrub on rocky hillsides; Perennial; Flowering May-Sept; Fruiting June-Sept

Federal Status:	State Status:	SGCN: Y
Endemic: Y	Global Rank: G3	State Rank: S2

ATTACHMENT II-13

COUNCIL OF GOVERNMENTS AND LOCAL GOVERNMENT COORDINATION

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

Rev. 0

Prepared By:

ESE Partners, LLC

2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131

Amanda Marcks, P.E.

From: Amanda Marcks, P.E.
Sent: Monday, September 16, 2024 4:50 PM
To: clyde.melick@midlothian.tx.us; Mary Elliott; colby.collins@midlothian.tx.us
Cc: Stephanie Sartain
Subject: TCEQ MSW Type V Registration - Local Government Review Request
Attachments: City of Midlothian Review Request.pdf

Good afternoon,

On behalf of Strategic Materials, Inc. (SMI), ESE Partners is requesting a conformance review from any local governments as appropriate for compliance with local solid waste plans in accordance with 30 TAC 330.61(p).

Attached to this email, I have included a review request with Parts I and II of the application enclosed for your review.

Regards,

Amanda Marcks, P.E.
Compliance Business Unit Leader

ESE Partners, LLC
400 E. Royal Lane, Building 3, Suite 203
Irving, Texas 75039
O: 469.983.8600
M: 940.440.2435
E: amarcks@esepartners.com
www.esepartners.com

Responsibly Moving Business Forward
Through Environmental Problem Solving

From:	Amanda Marcks, P.E.
To:	Alexa Gilbert; Alyssa Knox
Cc:	Stephanie Sartain
Subject:	TCEQ MSW Type V Registration - NCTCOG Review Request
Date:	Tuesday, September 17, 2024 9:08:00 AM
Attachments:	image001.png image002.png

Good afternoon,

On behalf of Strategic Materials, Inc. (SMI), ESE Partners is requesting a conformance review to the applicable council of governments for compliance with regional solid waste plans in accordance with 30 TAC 330.61(p).

I have linked a review request letter with Parts I and II of the application enclosed for your review. I will also mail this review request.

NCTCOG Review Request.pdf

Regards

Amanda Marcks, P.E.
Compliance Business Unit Leader

ESE Partners, LLC
400 E. Royal Lane, Building 3, Suite 203
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Through Environmental Problem Solving

PART III

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

Rev. 0

Date Prepared: September 17, 2024

Revision Date:

Prepared By:

ESE Partners, LLC

2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131

Amanda K Marcks
09/16/24

1 INTRODUCTION

This document is Part III of the MSW Registration application for the Strategic Materials Facility and consists of the information required by Title 30 TAC §330, Subchapter B: Municipal Solid Waste Permit Registration Application Procedures, 30 TAC §330.63. The following sections are divided by rule citation.

2 GENERAL FACILITY DESIGN

The Strategic Materials Facility address is 3240 Robinson Road and is located in the City of Midlothian, Ellis County, Texas. The Strategic Materials Facility is designed to accommodate 475 tons of municipal solid waste per day. The following sections describe the general design details of the facility as applicable.

2.1 Facility Access [30 TAC §330.63(b)(1)]

Adequacy of access roads and highways is addressed in Part II, Section 10 with additional supporting documentation in Attachment II-6. The Transportation Study contained in Attachment II-6 concludes that, for this transfer station, access roads will be available and adequate to serve the facility.

To the north, the facility is bounded by Robinson Road, to the east by Eastgate Road and to the southwest by U.S. Highway 287. There is one (1) exit present on Eastgate Road and two (2) entrances/exits on Robinson Road. The facility is fenced on all sides and the gates are equipped with locks. The gates will be monitored by Strategic Materials Facility employees during facility operations to prevent unauthorized vehicles and pedestrian traffic from accessing the facility. Facility personnel will inspect the integrity of fences, gates, and locks daily. Entry to the facility will be restricted to designated operations personnel, appropriate subcontractors, approved waste haulers, authorized TCEQ personnel, and properly identified persons whose entry is authorized by facility management. The public may utilize the facility under supervision of Strategic Materials Facility operations personnel.

During normal operating hours, facility personnel will be on duty at the scale and in the vicinity of facility operations to control access. When the Site is closed to the public, the entry gate at the main entrance and exit will be closed to prevent unauthorized Site access, and locked when no personnel are present at the Site. Any access control breaches will be repaired and recorded.

2.2 Waste Movement [30 TAC §330.63(b)(2)]

The following sections describe the generalized process design and working plan for the overall facility:

2.2.1 Flow Diagram [30 TAC §330.63(b)(2)(A)]

Process flow diagrams indicating the processing and storage sequences within the Strategic Materials Facility are shown in Attachment III-1.

2.2.2 Schematics [30 TAC §330.63(b)(2)(B)]

Process flow diagrams of the pre-processing line, optical sort line, 12 mesh line, and the 5/8 line are provided in Attachment III-1. Figure III.1 in Attachment III-1 also shows the Site layout plan, and Figure III.3 in Attachment III-1 shows the process schematic.

Vehicular traffic will enter the facility along Robinson Road and may exit the facility using the exits present on either Robinson Road or Eastgate Road. Once passing through the security gate, traffic will be directed along the paved interior roads routing them to the scales for weigh-in.

Space for turn-around areas and parking for employees and visitors is also provided.

2.3 Ventilation and Odor Control Measures [30 TAC §330.63(b)(2)(C)]

The facility has a very high turnover rate, meaning materials are not stored for extended periods. As a result, odor has not been an issue, and there have been no neighborhood complaints about odor in the past 10 years. If materials are onsite for an extended time, the plant has a deodorizer available to spray on any problematic areas.

Additionally, all materials are stored outdoors and never held within closed buildings for any period of time. The facility also has such a high turnover rate that materials and waste do not sit untouched for any long periods of time. This mitigates odors and prevents odors from accumulating and becoming inordinate.

2.4 Generalized Construction Details [30 TAC §330.63(b)(2)(D)]

The Strategic Materials Facility and its components are shown on Figure III-1 in Attachment III-1. The facility will be accessed from an entrance driveway located on Robinson Road. Upon entering there is a scale for weigh-ins, two (2) office buildings, a maintenance shop, and a material stockpile intended for transfer to the Strategic Materials Facility sister facility in Houston, Texas. To the west of the entrance is a community glass bin, scrap roll-offs, facility parking, an area for equipment storage, and an empty tote storage container. Other facility components include four (4) processing lines- the pre-processing line, the optical sort line, the 12- mesh line, and the 5/8 line, all of which are enclosed in buildings except for the pre-processing line. Located in the northern portion of the Site are bays for crushed glass and glass bottles, and three (3) storage CONEX boxes. In the southern portion of the Site is a second material stockpile and an area for storing output mixes, as well a site for a proposed metal storage building.

Performance data for all processing units is provided in the table below:

Table 1: ***Performance Data for Processing Units***

Production Line	Capacity (Tons Per Hour)	Performance (Tons Per Hour)
Pre-Processing Line	20	15.66
Optical Sort Line	15	12.66
12 Mesh Line	12	9.81

5/8 Line	8	8.90

2.5 Containment Walls [30 TAC §330.63(b)(2)(F)]

Attachment III-1, Figure III.2 contains a diagram of the location and design details of the containment walls used for storage, processing, and loading and unloading areas within the Strategic Materials Facility. The containment walls are constructed using concrete blocks and made to be various sizes to fit the needs of the facility. There are 23 containment areas within the facility. A list of materials held within each containment area and the exact measurements of each containment wall are contained in tables within Figure III.2.

2.6 Storage of Grease, Oil, and Sludge [30 TAC 330.63(b)(2)(G)]

The Strategic Materials Facility does not store grease, oil, or sludge on site and therefore this requirement is not applicable to the site.

2.7 Disposition of Effluent [30 TAC §330.63(b)(2)(H)]

No process wash water is generated by the facility because there is no washing of materials occurring at any time. Potentially contaminated stormwater runoff is authorized under Multi-Sector General Permit (MSGP) (TXR05DE60). Additionally, a vegetated swale with check dams has been installed to filter out contaminants prior to discharge off-Site through designated stormwater outfall(s).

Additionally, the facility is appropriately sloped to prevent water from pooling near materials. However, there is one (1) area under the scale where ponding may occur during extreme rainfall events. In those rare cases, the water is pumped out and discharged into the stormwater drainage system.

2.8 Noise Pollution Control [30 TAC §330.63(b)(2)(I)]

The location of the facility property has been zoned by the City of Midlothian as Medium Industrial. The adjacent properties to the north of the facility are zoned “Light Industrial” and the properties to the east are zoned as “Planned Development”. The Site is bounded to the southwest by U.S. Highway 267. The nearest off-Site residence is located approximately 770 feet to the northeast of the Site’s northeastern boundary.

The facility will be enclosed within a fence. All manufacturing lines, with the exception of the pre-processing line, are enclosed in buildings. The pre-processing line does not generate a high noise level. The facility is equipped with underground audiometric testing per OSHA standards to identify and mitigate inordinate noise levels.

2.9 Sanitation [30 TAC §330.63(b)(3)(A) thru (D)]

The facility manages cleanup in several ways. It operates a street sweeper daily on paved roads. For areas where sweeping is not possible, material is cleaned by hand or scraped using a front-end loader and sent to its proper location. In addition to street sweeping, misting of trucks and

misting systems over containment areas are implemented to minimize dust events. Prior to rainfall events, the plant conducts visual inspections to ensure all areas are clean.

All of the operations conducted at the facility are indoors, material that is stored outside properly drains to the stormwater vegetative swale, where the water is then discharged off-site. The Strategic Materials Facility does not have any sump systems, if ponding occurs under the scale after rainfall events, the water is pumped and directed to the stormwater outfall.

The high turnover rate at the Strategic Materials Facility prevents a buildup of materials which also minimizes sanitation issues.

The facility is designed to facilitate proper cleaning. The potable water at this facility is provided by Hilco Water. The walls and floors in the operating areas are constructed of concrete and the walls of the building will be metal. These areas are protected from rain by a roof and the surrounding external areas will be graded to direct runoff towards the vegetative swale. Process wash water is not generated during the processing.

Restrooms will be provided at the office on the facility grounds for use by the employees and visitors. These restrooms will be directed to the City of Midlothian sanitary sewer connection.

2.10 Water Pollution Control [30 TAC §330.63(b)(4)]

The Strategic Materials Facility operations are exclusively indoors, materials stored outside properly drain to the stormwater vegetative swale where the water is then discharged off site. The facility does not have any sump systems. If ponding occurs under the scale after rainfall events, the water is pumped, and it is directed to the stormwater outfall. In general, the entirety of the property is sloped to discharge water through the stormwater system and the vegetative swale that was constructed in 2024.

No process wash water is generated by the facility because there is no washing of materials occurring at any time. Potentially contaminated stormwater runoff is authorized under MSGP (TXR05DE60). Additionally, a vegetated swale with check dams has been installed to filter out contaminants prior to discharge off-Site through designated stormwater outfall(s).

The facility is appropriately sloped to prevent water from pooling near materials. However, there is one (1) area under the scale where ponding may occur during extreme rainfall events. In those rare cases, the water is pumped out and discharged into the stormwater drainage system.

The Strategic Materials Facility includes a stormwater vegetated swale with check dams and additional filtration controls. All facility stormwater drainage structures and conveyance will be designed to comply with 30 TAC §330.303 which requires that it be constructed, maintained, and operated to manage run-on and runoff during the peak discharge of a 25-year rainfall event and must prevent the off-Site discharge of waste material.

The Strategic Materials Facility has existing coverage under the TPDES Multi Sector General Permit for Industrial Stormwater.

2.11 Endangered Species Protection [30 TAC §330.63(b)(5)]

Site-specific endangered and threatened species assessments were conducted by a qualified biologist for the Site. The assessment included a review of TPWD Rare, Threatened, and Endangered Species of Texas (RTEST) – Ellis County report and the USFWS Information Planning and Consultation (IPaC) report provided in Part II, Attachment II-13.

The project shall not result in the destruction or adverse modification of critical habitat or cause or contribute to the taking of endangered or threatened species. As such, the facility's continued operation does not jeopardize the continued existence of endangered or threatened species or result in the destruction or adverse modification of a critical habitat, protected under the Endangered Species Act of 1973, or violate any requirement under the Marine protection, Research, & Sanctuaries Act.

3 SURFACE WATER DRAINAGE [30 TAC §330.63(C)]

In accordance with 30 TAC 330.303, a facility must be constructed, maintained, and operated to manage run-on and runoff during the peak discharge of a 25-year rainfall event and must prevent the off-site discharge of waste and feedstock material, including, but not limited to, in-process and/or processed materials.

- The Site will be graded so that all runoff is directed away from waste storage areas.
- Surface water drainage in and around a facility shall be controlled to minimize surface water running onto, into, and off the processing areas.
- Drainage areas are graded to a vegetated swale with check damns.

All constructed Site improvements will be constructed, maintained, and operated to manage run-on and run-off during the peak discharge of a 25-year rainfall event. The improvements will be constructed, maintained, and operated to prevent the off-Site discharge of waste, in-process, or processed materials. Best management practices will be applied during construction to minimize erosion and reduce the potential for sediment to be transported to streams in the area.

The operator will not discharge contaminated water without specific written authorization.

3.1 Facility Surface Water Drainage Report [30 TAC §330.63(c)]

The Strategic Materials Facility does not contain landfill or compost units and so does not require a surface water drainage report.

4 WASTE MANAGEMENT UNIT DESIGN [30 TAC §330.63(D)]

4.1 Rapid Processing and Detention of Solid Waste [30 TAC §330.63(d)(1)(A)]

The Strategic Materials Facility has been designed for efficient processing and minimum detention of solid waste at the facility. The design capacity of the transfer station will not be exceeded during operation. The area to be used for waste transfer will not be exceeded during operation. The initial pre-clean line process takes place outdoors. In this process, non-glass

material such as plastic, paper, cardboard, and metals are removed. Metals are sent offsite for recycling; other materials are removed as trash. The additional processes take place within buildings. The glass is processed in the Optical Sort Line which separates the mixed glass. Sorted glass is then crushed into a cullet and moved to the finishing bunker to conclude processing.

The Strategic Materials Facility operates a glass recycling system which produces crushed/ground glass that is sorted into three colors (amber, clear and green) and sold as a product. The incoming raw material includes bottles and jars from recycling collection programs and plate glass manufacturing rejects. Material is moved through and between lines using multiple conveyors.

The following lines are used in the process:

1. The Pre-Clean Line (P01)

- Hopper Feeder
- Transfer Conveyors
- Screen Deck
- Ferrous and Non-ferrous Metal Separators

The Pre-Clean Line sorts unprocessed mixed glass. Non-glass material such as plastic, paper, cardboard, and metals are removed. Metals are sent offsite for recycling; other materials are removed as trash. This process takes place outdoors.

2. The Optical Sort Line (P02)

- Hopper Feeder
- Transfer Conveyors
- Screen Decks
- Eight optical sorting units
- Ferrous and Non-ferrous Metal Separators
- Dryer
- Cyclones/Baghouses

The Optical Line processes mixed glass or any stream that does not meet color purity standards. If the incoming glass stream is wet it is conveyed to the dryer prior to further processing. The material is processed through a series of shakers and screeners to sort it by size. Glass that meets size requirements enters the optical sorting line where a series of photo eyes sorts the material by color or rejects it if light cannot pass through.

The optical sorting line is equipped with a cyclone which provides mechanical sortation and collects mostly lighter materials. The cyclone is connected to a baghouse that vents to the atmosphere via a stack.

The finished product is either moved to a bunker for storage or further processed. Fine materials are sent to another facility for additional processing. This process takes place inside of a building.

3. The 5/8 Line (P03)

- Hopper Feeder
- Transfer Conveyors
- Crusher
- Screen Decks

The 5/8 Line processes mixed glass by crushing cullet to approximately 5/8" in diameter. This glass is either further processed or moved to the finished bunker. This process takes place inside of a building and is equipped with a dust collector.

4. The 12-Mesh Line (P04)

- Hopper Feeder
- Transfer Conveyors
- Dryer
- Crusher
- Screen Deck

The 12-mesh Line further processes glass that has from the Optical Sort Line or clear plate glass from the Pre-Clean Line to generate a finished 12-mesh sized product. This process takes place inside of a building and is equipped with two baghouses.

Unloading of waste in unauthorized areas is prohibited. Any waste that is identified as having been deposited in an unauthorized area will be immediately moved to the proper unloading areas.

4.2 Prevention of Nuisances or Public Health Hazards [30 TAC §330.63(d)(1)(A)]

The facility operations of sorting and separating are indoors. The facility is actively implementing and using various measures for the prevention of nuisances and/or public health hazards such as deodorizing (in which a deodorizer is available on-site as necessary to spray on in-bound or out-bound materials that may have an odor), street sweeping and misting of trucks in order to prevent dust on or near roadways, instillation of misting systems over bunkers also to prevent

dust and installation of baghouse onsite. In addition, the turnover rate onsite prevents a buildup of materials enough to greatly minimize the threat of these issues.

4.2.1 Spill Control [30 TAC §330.63(d)(1)(B)]

The Strategic Materials facility does not generate or store process wastewater. Any potentially contaminated stormwater runoff will be directed to the on-site vegetated swale for filtration prior to discharge. The vegetated swale is capable of handling peak discharge of a 25-year, 24-hour rainfall intensity storm.

4.2.2 Maximum Allowable Storage Time [30 TAC §330.63(d)(1)(c)]

No municipal solid waste shall be stored at the transfer station longer than 72 hours prior to transport off-Site.

4.3 Incineration Units [30 TAC §330.63(d)(2)]

The Strategic Materials Facility will not be equipped with an incinerator and therefore this provision is not applicable for this facility.

4.4 Surface Impoundments [30 TAC §330.63(d)(3)]

The Strategic Materials Facility station will not utilize impoundments for the storage of wastes, therefore this provision is not applicable for this facility.

4.5 Landfill Units and Arid Landfill Exemptions [30 TAC §330.63(d)(6)]

These provisions are not applicable for Strategic Materials Facility.

4.6 Type V Mobile Liquid Waste Processing Units [30 TAC §330.63(d)(6)]

These provisions are not applicable for Strategic Materials Facility.

4.7 Type IX Energy, Material, Gas Recovery for Beneficial Use, or Landfill Mining Waste Processing Units [30 TAC §330.63(d)(7)]

These provisions are not applicable for Strategic Materials Facility.

4.8 Compost Units [30 TAC §330.63(d)(8)]

No composting will occur at the Strategic Materials Facility; therefore, this provision is not applicable for the Strategic Materials Facility.

4.9 Type IV Waste Processing Demonstration Facilities [30 TAC §330.63(d)(9)]

These provisions are not applicable for Strategic Materials Facility.

5 GEOLOGY REPORT [30 TAC §330.63(E)]

This provision applies to landfill and compost units, and therefore as a proposed transfer station, does not apply to the Strategic Materials Facility.

6 GROUNDWATER SAMPLING AND ANALYSIS [30 TAC §330.63(F)]

This provision applies to landfills and compost units, and therefore as a proposed transfer station, does not apply to the Strategic Materials Facility.

7 LANDFILL GAS MANAGEMENT PLAN [30 TAC §330.63(9)]

This provision applies to landfills and compost units, and therefore as a proposed transfer station, does not apply to the Strategic Materials Facility.

8 CLOSURE PLAN FOR PROCESSING FACILITIES [30 TAC §330.63 (H) & 30 TAC §330.459(A) THRU (C)]

Pursuant to 30 TAC §330.459(a), a facility Closure Plan is provided in Attachment III-3. The Closure Plan has been prepared to meet the requirements of 30 TAC §330.459 (Closure Requirements for Municipal Solid Waste Storage and Processing Units) within Subchapter K. The facility does not include store combustible waste materials outdoors and so is not applicable to 30 TAC §330.459(d).

9 CLOSURE COST ESTIMATES [30 TAC §330.63(J) & 30 TAC §330.505(A)]

In accordance with 30 TAC §330.63(j), the cost estimate for closure is provided in Attachment III-4. The closure cost estimate has been prepared to meet the requirements of 30 TAC §330.505 (Closure Cost Estimates for Storage and Processing Units) within Subchapter L.

9.1 [30 TAC §330.505(a)(2)(A)]

The closure cost estimate equals the costs of closure of the facility, including disposition of the maximum inventories of all waste, in accordance with all applicable regulations. No combustible waste materials are stored at the facility.

9.2 [30 TAC §330.505(a)(2)(B)-(C)]

The closure cost estimate is based on the costs of hiring a third party that is not affiliated with the owner or operator; and is based on a per cubic yard and/or short ton measure for collection and disposition costs.

9.3 [30 TAC §330.505(a)(3)]

Closure cost estimate increases will be provided by Strategic Materials Facility to the Executive Director if conditions change, which increase the maximum cost of closure, at any time during the active life of the facility.

9.4 [30 TAC §330.505(b)]

The Strategic Materials Facility does not store combustible waste material outdoors and does not pose a significant risk to public health and safety; therefore, financial assurance for closure of the facility is not required.

ATTACHMENT III-1

GENERAL FACILITY DESIGN

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

Rev. 0

Date Prepared: September 17, 2024

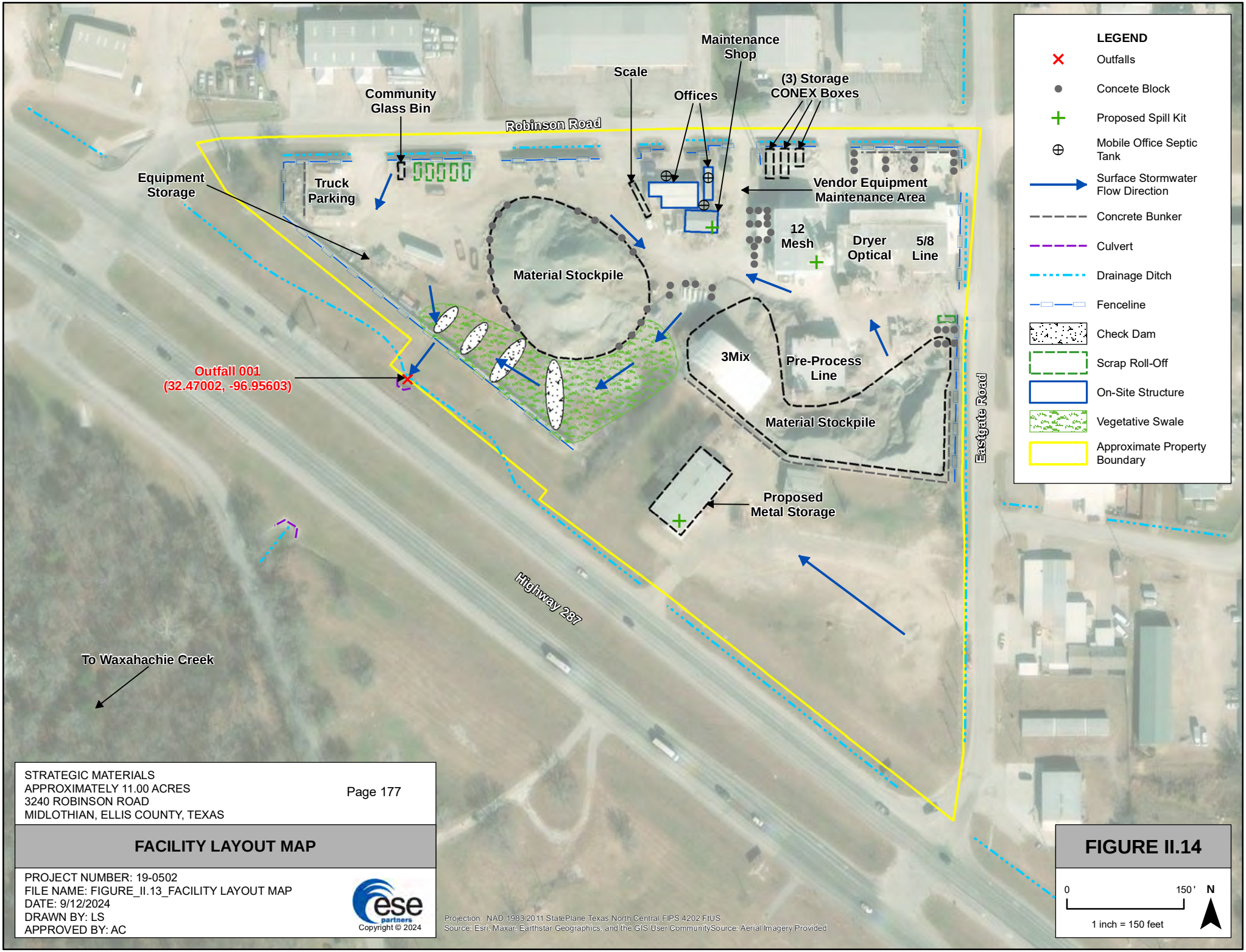
Revision Date:

Prepared By:

ESE Partners, LLC

2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131



STRATEGIC MATERIALS
APPROXIMATELY 11.00 ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

FACILITY LAYOUT MAP

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_II.13_FACILITY LAYOUT MAP
DATE: 9/12/2024
DRAWN BY: LS
APPROVED BY: AC

Projection: NAD 1983 2011 StatePlane Texas North Central FIPS 4202 FtUS
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource: Aerial Imagery Provided

FIGURE II.14

0 150' N
1 inch = 150 feet

Material Location	Material Code	Material Description	Bunker Size LxWxH	Bunker Capacity Cu. Ft.
1	TRASHFINSP	UncersizedCoarseFinestoDump-Processed	196*159*12	779100
2	TRASHFINSP	UncersizedCoarseFinestoDump-Processed	30*45*10	17550
3	MIXSSU	MixecSingleStreamBottle-Unprocessed	53*200*12	127200
4	MIXSSW	MixedSingleStreamBottle-WIP	35*18*8	5040
5	TRASHCSPP	CSPtrashtothedump-Processed	35*18*8	5040
6	TRASHCSPW	CSP 1st Run-WIP	35*12*8	3360
7	TRASHP	TrashProcessed-Processed	70*30*12	25200
8	MIXBP8515P	BottlePlate12Mesh8lend85/15-P	2 Silos	200 tons
9	MIXW	MixedBottleCullet-WIP	16*10*8	1440
10	TRASHCSPP	CSPtrashtothedump-Processed	16*13*8	1872
11	MWPW	MixedWindowPlate-WIP	16*10*8	1440
12	TRASHFINESP	UncersizedCoarseFinestoDump-Processed	16*12*8	1728
13	EMPTY		16*34*8	4896
14	MWPU	MixedWindowPlate-Unprocessed	25*18*8	4050
15	EMPTY		25*12*8	2700
16	Empty Pallets		25*17*8	3825
17	MIXU	MixedBottleCullet-Unprocessed	20*12*6	1440
18	TRASHCSPW	CSP 1st Run-WIP	20*12*6	1440
19	Pallets of glass bottles		25*23*8	5175
20	TRASHP	TrashProcessed-Processed	57*100*12	74100
21	STLP	Steel-Processed	Roll-off Container	20 cu. yd.
22	ALUOSP	Aluminum-LowGradeALUScrap-Processed	Gaylord Container	2.5 cu. yd.
23	OTHFINW	Coarse Fines 1st Run-WIP	Hopper	2 cu. Yd.

Phase	Action	Description
1 Inbound/outbound Scale	MIXSSU Received	Material weighed and scale ticket issued
	MWPU Received	Material weighed and scale ticket issued
	MIXU Received	Material weighed and scale ticket issued
	MIXBP8515P Shipped	Material weighed and scale ticket issued
	TRASHP Shipped	Material weighed and scale ticket issued
	TRASHFINESP Shipped	Material weighed and scale ticket issued
	STLP shipped	Material weighed and scale ticket issued
	ALUOSP	Material weighed and scale ticket issued
2	MIXSSU unloaded	Location confirmed-material unloaded-pushed into bunker
	TRASHP loaded with Front End Bucket Loader	
3	MWPU unloaded	Location confirmed-material unloaded-pushed into bunker
4	MIXU unloaded	Location confirmed-material unloaded-pushed into bunker
5	MIXBP8515P Loaded	Trailer tank loaded with pneumatic silo spout
6	TRASHFINESP loaded	

STRATEGIC MATERIALS, INC.
APPROXIMATELY 11 ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

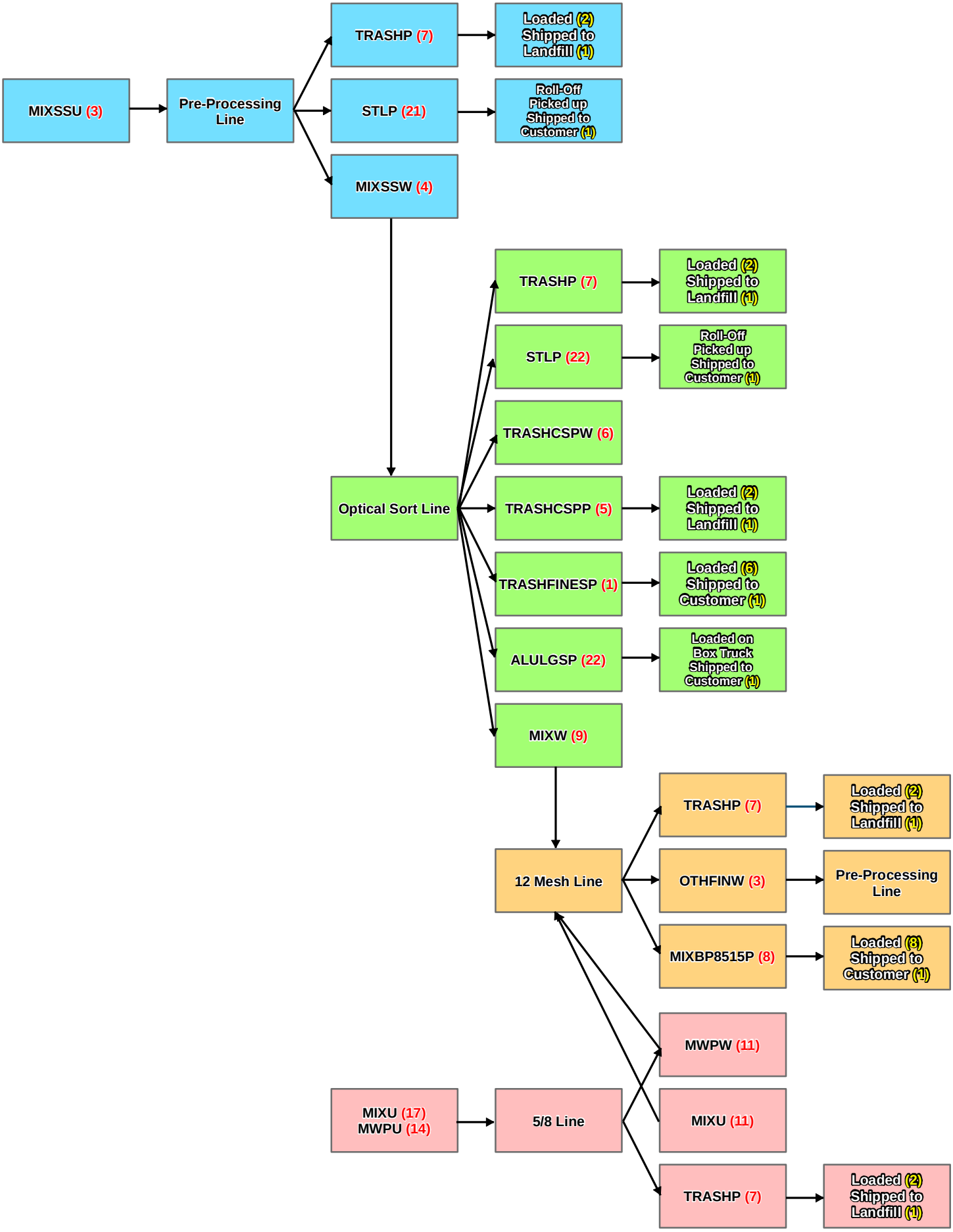
CONTAINMENT WALLS AND STORAGE AREAS

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_III.3_CONTAINMENT
DATE: 9/16/2024
DRAWN BY: LS
APPROVED BY: AM

Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

FIGURE III.2

0 100 '
1 inch = 100 feet
N



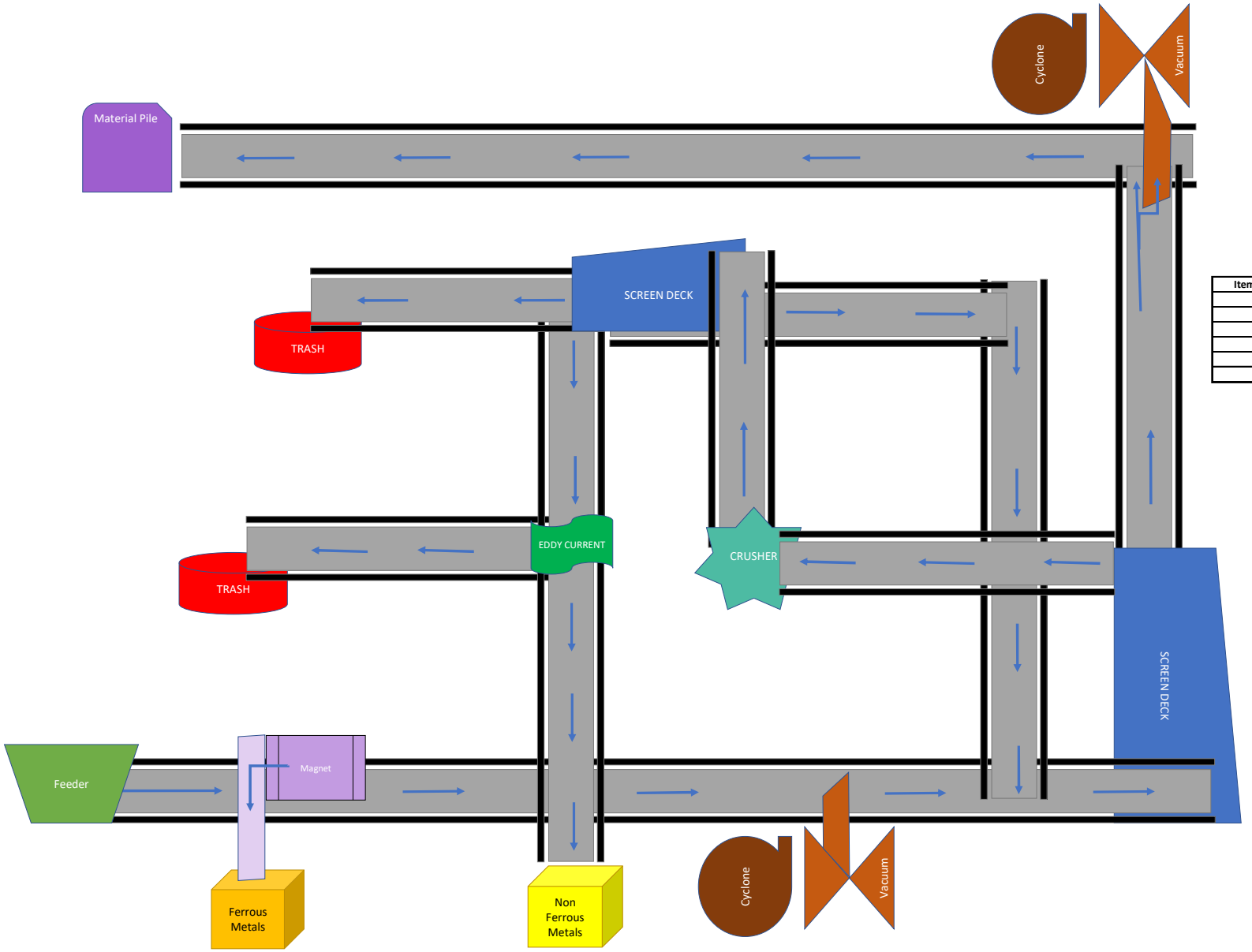
PROCESS SCHEMATIC

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_III.X_PROCESS_SCHEMATIC
DATE: 9/16/2024
DRAWN BY: LS
APPROVED BY: AM

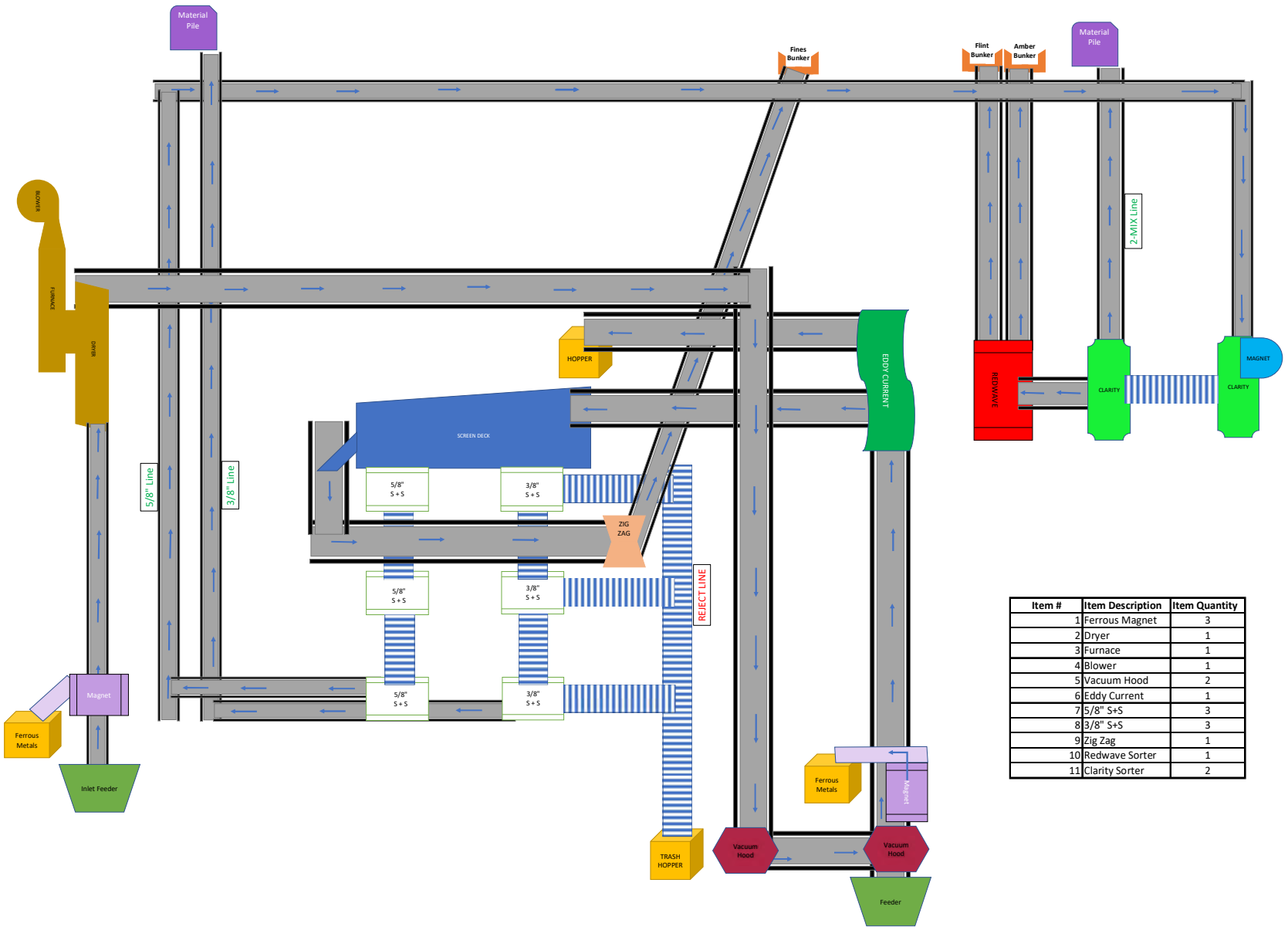
FIGURE III.3

Midlothian, TX Plant Process Flow

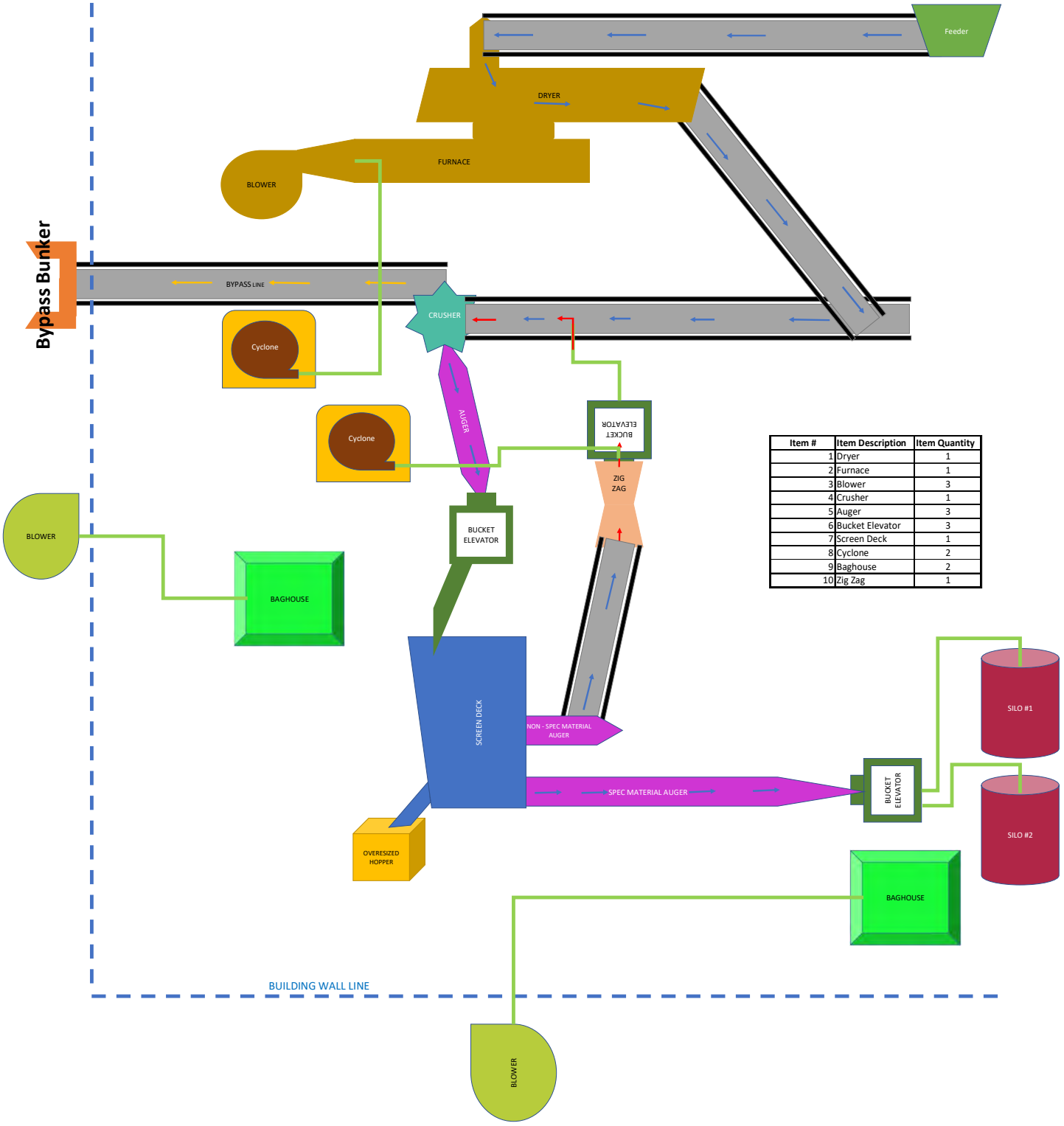
PRE-CLEAN LINE



Item #	Item Description	Item Quantity
1	Ferrous Magnet	1
2	Eddy Current	1
3	Screen Deck	2
4	Crusher	1
5	Cyclone	2
6	Vacuum	2



Item #	Item Description	Item Quantity
1	Ferrous Magnet	3
2	Dryer	1
3	Furnace	1
4	Blower	1
5	Vacuum Hood	2
6	Eddy Current	1
7	5/8" S+S	3
8	3/8" S+S	3
9	Zig Zag	1
10	Redwave Sorter	1
11	Clarity Sorter	2



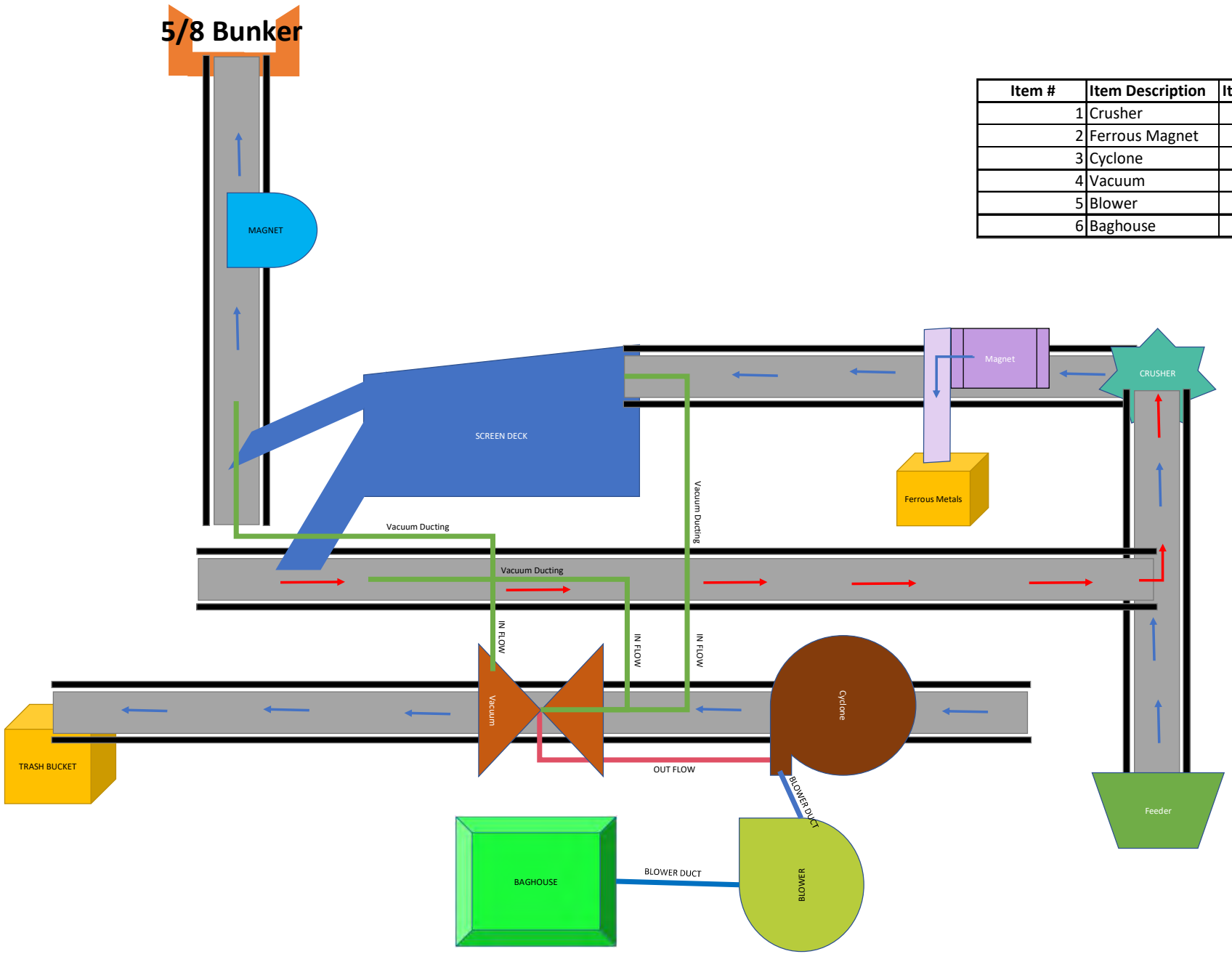
Item #	Item Description	Item Quantity
1	Dryer	1
2	Furnace	1
3	Blower	3
4	Crusher	1
5	Auger	3
6	Bucket Elevator	3
7	Screen Deck	1
8	Cyclone	2
9	Baghouse	2
10	Zig Zag	1

Midlothian, TX Plant Process Flow

STRATEGIC MATERIALS
Recycling Earth's Resources

5/8 LINE

Item #	Item Description	Item Quantity
1	Crusher	1
2	Ferrous Magnet	2
3	Cyclone	1
4	Vacuum	1
5	Blower	1
6	Baghouse	1



REVISED: 9/17/2024

ATTACHMENT III-2

SURFACE DRAINAGE FIGURE

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

Rev. 0

Date Prepared: September 17, 2024

Revision Date:

Prepared By:

ESE Partners, LLC

2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131

STRATEGIC MATERIALS, INC.
APPROXIMATELY ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

SITE DRAINAGE MAP

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_III-2_SITE_DRAINAGE
DATE: 9/16/2024
DRAWN BY: LS
APPROVED BY: AM

Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

FIGURE III.2

0 150 '

1 inch = 150 feet

N

ATTACHMENT III-3

CLOSURE PLAN

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

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2002 West Grand Parkway North
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Katy, TX 77449

Texas Engineering Registration No. F-10131

Amanda Marcks
09/16/24

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CLOSURE PLAN

1 INTRODUCTION

This Closure Plan has been prepared pursuant to 30 TAC §330.63(h) and addresses the applicable provisions of 30 TAC §330.459, 30 TAC Subchapter K, and §330.465(b). The facility will be closed in accordance with the closure provisions of this registration, unless specifically authorized by the Executive Director of the Texas Commission of Environmental Quality (TCEQ).

Closure will be accomplished by SMI or a designated third-party contractor by removing all waste, waste residues, and any recovered materials. Facility units will be either be dismantled and removed off-Site od decontaminated.

2 NOTIFICATION

In compliance with the requirements of 30 TAC §330.461(a), Central Texas Refuse LLC or the operator shall provide public notice for final facility closure through a public notice in the newspaper of largest circulation in the vicinity of the facility no later than 90 days prior to the initiation of a final closure. The notice shall provide the name, address, physical location of the facility, permit number, and the last date of intended receipt of waste. An adequate number of copies of the approved final closure plan will be made available for public access and review.

CTR shall also provide written notification to the TCEQ Executive Director of the intent to close the facility and place this notice of intent in the operating record of the SOP. In accordance with 30 TAC §330.461(b), upon notification to the Executive Director, the owner or operator shall post a minimum of one (1) 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 of the entire facility and the prohibition against further receipt of waste materials after the stated date. Suitable barriers shall be installed at all gates or access points to adequately prevent the unauthorized dumping of solid waste at the closed facility.

3 CLOSURE ACTIVITIES

The following actions will take place for closure:

- Notify TCEQ when closure is initiated.
- Closure activities for the facility will begin no later than 30 days after the date on which the facility receives the known final receipt of waste.
- A sign will be posted at the main entrance notifying all person who may utilize the facility of the date of closing and the prohibition against further receipt of waste materials after the stated date.
- Ensure the entire perimeter property boundary fence will adequately prevent the unauthorized dumping of solid waste at the closed facility.

- All waste, contaminated water, and waste residues will be removed from the Site and will be transported to an authorized facility for disposal prior to closure. No waste will be allowed to remain at the closed facility.

- Facility units will either be dismantled and removed off Site or decontaminated.

- The tipping floor and any surfaces that have been in contact with waste will be washed down, and that wash water will be managed as contaminated water and transported to an authorized facility for disposition.

- Closure of the facility must be completed within 180 days following the most recent acceptance of processed or unprocessed materials unless otherwise directed or approved in writing by the TCEQ Executive Director.

- The closed facility will be inspected by an independent professional engineer who will verify that final facility closure has been completed in accordance with the approved closure plan, and who will then prepare a certification of final facility closure as set forth in Section of this Closure Plan.

- If there is evidence of a release from a municipal solid waste unit, the Executive Director may require an investigation into the nature and extent of the release and an assessment of measures necessary to correct the impact to groundwater.

4 CERTIFICATION

In accordance with the requirements found in 30 TAC §330.461(c), within 10 days after completion of the final closure activities for the facility, CTR or the operator will submit to the Executive Director by registered mail the following:

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

- A request for voluntary revocation of the facility registration.

- After receipt and review receipt of the closure documents and the inspection report by the TCEQ Region, the Executive Director may acknowledge termination of operation and closure and deem the facility properly closed.

5 POST CLOSURE PLAN

In accordance with the requirements found in 30 TAC §330.463 and 330.465, Post-Closure Care only applies to landfill units and is not applicable to the Strategic Materials site.

ATTACHMENT III-4

CLOSURE COST ESTIMATE

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

Rev. 0

Date Prepared: September 17, 2024

Revision Date:

Prepared By:

ESE Partners, LLC

2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131

Closure Cost Estimate Midlothian, TX

Closure Plan Cost

$ 1,236,202	Glass / Disposal				
		Glass - Disposal + Trans	**$ 1,236,202**	40,145 tons max	
	24.26 average tons per load	Tip fee per load $480.35			
	1,655 total loads removal est.	Freight per load $224.41			
		Fuel surchage per load $42.19			
		Total cost per load $746.95			
		Total cost per ton $30.79			
$ 225,460	Building Demo				
		Contractor Demo (SSF)	**$ 250,460**		
		Recovery of Scrap Value	**$ (100,000)**		
		Equipment Rentals	**$ 50,000**		
		Add'l Labor	**$ 25,000**		
$ 20,000	Decommissioning 12-Mesh Silo				
		Tear down	**$ 30,000**		
		Scrap Value	**$ (10,000)**		
$ 30,000	Lease Payments				
		2 Loaders	**$ 16,000**	find homes	assume $8,000 for 1 month
		Forklifts 3	**$ 6,000**	find homes	assume $2,000 for 1 month
		1 Sweeper	**$ 8,000**	find homes	assume $4,000 for 2 months
$ 18,000	Rolling Stock				
		Repairs to equipment	**$ -**		
		Trans to ship equipment to other sites	**$ 18,000**		
		Trans on rail loader	**$ 5,000**		
$ -	Retention/Severance Bonuses				
		N/A	**$ -**		
$ 40,000	Internal Labor				
$ 156,966.23	Reserve Balance		10%	**$ 156,966.23**	
$ 1,726,628	Grand Total				

***Not inclusive of FIXED ASSETS WRITE-OFF**

****All work to be completed and exited from property fully exited**

***** Cost estimates based on actual closure costs of similar plants within past 3 years.**

PART IV **SITE OPERATING PLAN**

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

Rev. 0

Date Prepared: September 17, 2024

Revision Date:

Prepared By:

ESE Partners, LLC

2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131

Amanda Marcks
09/16/24

1 INTRODUCTION

1.1 Part IV Application Contents [30 TAC §330.65]

The Site Operating Plan (SOP) contains information about how the Strategic Materials, Inc (SMI) facility will conduct operations. The SOP represents the general instruction for facility management and personnel to operate the facility in a manner consistent with the approved design and the TCEQ rules to protect human health, the environment, and prevent nuisances.

The SOP is Part IV of the MSW Registration application and consists of the information required by Title 30, Texas Administrative Code (TAC), Chapter 330, Subchapter E, §330.201 - §330.249. The SOP includes provisions for facility management and operating personnel to meet the general and site-specific requirements of these rules for day-to-day operations at the facility. The SOP will be retained during the active life of the facility.

Facility Name: **Strategic Materials Recycling Facility**
TCEQ MSW Registration Number: **TBD**
Facility Address: 3240 Robinson Road, Midlothian, TX 76065
RN Number: RN 102563152
CN Number: CN 600418008
Date: September 17, 2024

2 PERSONNEL AND SITE MAINTENANCE

2.1 Transfer Station Personnel

Table 1 summarizes personnel types and descriptions of those who will conduct operations at the proposed transfer station facility.

Table 1: ***Personnel Types and Descriptions Test***

Position	Number	Training	Responsibilities
Supervisor/Manager	1	Must hold and maintain MSW Supervisor Occupational License Grade B or above.	Managing daily work operations; equipment maintenance and repair; personnel safety.
Waste Unloading Attendant	1	6 months minimum experience in operations or on-the-job training by supervisor or by manager in SOP requirements for prohibited waste.	Responsible for screening for prohibited or unauthorized waste.
Scale House Attendant	1	Training by supervisor or manager in the scale operations, monitoring the entrance gate, SOP, record keeping requirements, and	Levies fees on customers, operates the scale, keeps appropriate records, controls facility access, screens for unauthorized waste, and

		waste screening.	provides general customer direction and information.
Equipment Operators/Laborers	1-3	Training by supervisor or manager in the SOP.	Loading machinery operations and site support, including litter management, odors, etc.

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

2.2 Equipment

Typical operation of the transfer station will use loaders (or similar materials handling equipment) for transfer of materials from the material storage pile to the processing lines.

Equipment used in the Pre-Clean Line, Optical sort Line, 5/8 Line, and 12-Mesh line are included in the process flow diagrams included in Attachment IV-1.

2.3 Facility Inspection and Maintenance

Table 2 describes the inspection and maintenance list of the facility. The facility supervisor or a designee will perform each task. The inspection documentation will be retained in the operating record.

Table 2: ***Facility Inspection and Maintenance List***

Item	**Task**	**Frequency**
Fence/Gate	Inspect perimeter fence and gate for damage. Make repairs if necessary.	Weekly
Windblown Waste	Police working area, wind fences, access roads, entrance areas, and perimeter fence for loose trash. Clean up as necessary.	Daily, as specified in Section 12.1
Waste Spilled on Route to the Facility	Police the entrance areas and all roads at least 2 miles from the facility entrances for loose trash. Clean up as necessary.	Daily as specified in Section 12.2
Facility Access Road	Inspect facility access road for damage from vehicle traffic, deuteriation, or excessive mud accumulation. Identify concern and type repairs if/as needed. Grading equipment will be used at least once per week to control or remove	Daily – more often during wet weather or extended dry weather periods.

	mud accumulations on roads.	
Facility Signs	Inspect all facility signs for damage, general location, and accuracy of posted information.	Weekly
Odor	Inspect the perimeter of the facility to assess the performance of facility operations to control odor.	Daily
Drainage Channels/Ponds	Inspect drainage channels and detention pond to verify that they are functioning as designed (e.g. excess sediment removed, outlet structures intact).	Weekly and within 72 hours of a rainfall event of 0.5 inches or more.

2.4 Training Requirements

2.4.1 Personnel Training Records
Personnel training records will be maintained in accordance with 30 TAC §330.219(b)(2).

2.4.2 Personnel Operator Licenses
Personnel operator licenses issued in accordance with 30 TAC Chapter 30, Subchapter F, Municipal Solid Waste Facility Supervisors, will be maintained as required.

2.4.3 Proper and Current Operational Standards
The owner or operator will ensure that the transfer station manager/supervisor at the facility is knowledgeable in the proper operation of a municipal solid waste facility and the current operational standards required by TCEQ. The manager/supervisor will be experienced and will maintain a Class A or Class B license as defined in 30 TAC §30.210. The manager/supervisor will ensure that all personnel are properly trained and are operating the transfer station in accordance with this SOP and operational standards required by the permit or registration and the TCEQ municipal solid waste regulations.

2.4.4 Personnel Training Program
The personnel training program will be directed by a person trained in waste management procedures and will include instruction that teaches facility personnel waste management procedures and contingency plan implementation relevant to the positions in which they are employed.

2.4.5 New Employees
New employees will receive a comprehensive overview or all aspects of transfer station operations, focusing on information that is necessary to protect the health and welfare of the new employee and enable them to perform their duties in accordance with this SOP and operational standards required by the permit/registration and the TCEQ municipal solid waste regulations. Initial training subject matter will include applicable requirements found in the SDP, attachments to the SDP, the SOP and other plans such as the Spill Prevention Control and Countermeasure Plan, the Storm Water Pollution Prevention Plan and general health and safety procedures.

Following the initial training, the new employee training will continue during monthly training sessions, during on-the-job training, and during the annual review of their initial training.

2.4.6 Training Meetings

Training meetings will be scheduled and conducted for all employees at least once per month. If a regular monthly meeting is cancelled, it will be rescheduled or combined with the scheduled training the next month. Training sessions will be scheduled to allow facility operations to be uninterrupted. Records of personnel attending each training session and the topics covered will be maintained at the facility. Topics for training may vary, but will be conducted annually for the following:

- Safety
- Fire protection, prevention, and education
- Fire extinguisher
- Emergency response
- Litter control and windblown waste pick-up
- Hazardous waste and PCB waste detection and control (waste screening), if applicable
- Prohibited waste management
- Random inspection procedures

2.4.7 Facility Personnel

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

3 WASTE ACCEPTANCE AND ANALYSIS [30 TAC §330.203]

3.1 Authorized Wastes

The Strategic Materials facility may accept for storage and processing the following wastes not otherwise prohibited at the facility or at the receiving landfill disposal facility: as a cullet (small chunks of glass), additional material such as whole plate glass and whole bottle is received on site as well. Non-glass material such as plastic, paper, cardboard, and metals are removed.

Cullet specifically excludes any radioactive, volatile, corrosive, highly flammable, explosive, biomedical, infectious, biohazardous, toxic, universal, or hazardous material as defined by applicable federal, state, provincial, or local laws or regulations.

Declarations

The design and operation of the facility has not been limited by constituents or characteristics in authorized wastes.

Recycling separation done at the Strategic Materials Facility will first separate and remove non-glass materials such as plastic, paper, carboard, and metals for offsite waste disposal or recycling. Then secondly mixed glass is processed into three (3) glass colors (amber, clear, and green) by an Optical Sort Line process.

Trees will not be accepted for disposal or recycling.

The Strategic Materials Facility will primarily receive waste from eight (8) separate counties within Texas and two (2) cities within Oklahoma. Based on the type of waste currently collected by SMI, there are no constituents or characteristics that would be a limiting parameter that would impact or influence the design and operation of the facility.

A maximum of 475 tons per day of waste will be received at the site for subsequent storage and processing. The maximum amount of waste to be stored at any point in time is 200 tons. The maximum and average lengths of time waste will remain at the facility are 24-72 hours or less.

The 30 TAC §330.9(e)(l) recycling requirement of at least 10 percent will be assured by comparing, on an annual basis, the total weight or weight equivalent of recyclable materials managed in SMI-operated source separation recycling programs to the total weight or weight equivalent of the incoming waste stream to the Strategic Materials Facility and any other transfer stations to which credit is being applied. Alternatively, on an annual basis, the total weight or weight equivalent of the incoming waste stream to the Strategic Materials Facility may be compared to the total weight or weight equivalent of recyclable materials managed in source-separation recycling programs operated in areas from which the incoming waste stream to the facility originates.

3.2 Receipt of Industrial Waste

Class l, 2 and 3 industrial wastes will not be accepted at the Strategic Materials Facility.

3.3 Receipt of Special Waste

Special Wastes (per 30 TAC §330.3) will not be accepted at the Strategic Materials Facility.

3.4 Prohibited Wastes

The Strategic Materials Facility may not accept the storage or processing of various wastes, including:

(1) wastes prohibited from disposal in a municipal solid waste facility by 30 TAC §330.15(e), including various:

- lead acid storage batteries
- whole used or scrap tires
- refrigerators, freezers, air conditioners, and other items containing chlorinated fluorocarbon
- liquid wastes
- regulated hazardous wastes
- polychlorinated biphenyls (PCB) wastes
- radioactive materials

(2) special wastes defined/listed in 30 TAC §330.154, including various:

- hazardous waste from conditionally exempt small-quantity generators

- Class I industrial nonhazardous waste
- treatment plant sludges
- septic tank pumpings
- grease and grit trap wastes
- treatment plant wastes
- air pollution control facility waste
- tanks, drums, or containers used for material listed as a hazardous constituent
- slaughterhouse wastes
- dead animals
- drugs, contaminated foods, or contaminated beverages
- containers Jot· pesticides, herbicides, fungicides, or rodenticides unless managed per 30 TAC §330.171(c)(5)(A)
- discarded materials containing asbestos
- incinerator ash
- soil contaminated by petroleum products
- used oil
- used oil filters
- waste from oil, gas, and geothermal activities
- waste generated outside the boundaries of Texas

(3) the following wastes:

- medical waste
- large, heavy, or bulky items whi.ch can include, but are not limited to, white goods (household appliances), air conditioner units, metal tanks, large metal pieces, automobiles, and other items that will not fit in the transfer trailer box.

3.4.1 Measures for Controlling Prohibited Wastes

Procedures to detect and control the receipt of prohibited wastes include:

3.4.1.1 Informing

Informing facility suppliers of prohibited waste by posting one (1) or more signs at the facility entrance listing prohibited waste. Additionally, the Strategic Materials Facility uses specific language in the contracts with suppliers that states something similar to, "Cullet specifically excludes and Supplier agrees not to deposit in Strategic's equipment or deliver to Strategic's plant any radioactive, volatile, corrosive, highly flammable, explosive, biomedical, infectious, biohazardous, toxic, universal, or hazardous material as de-fined by applicable federal, state, provincial, or local laws or regulations."

3.4.1.2 Providing

Providing customers (regular and one (1) time or occasional) with a written list of prohibited wastes. Informing all drivers of incoming waste hauling vehicles that have indicated they will deliver waste to the facility by:

- Posting one (1) or more signs at the facility entrance listing prohibited wastes
- Providing all vehicle drivers and transfer station operators with a written list of prohibited wastes

3.4.1.3 Facility Personnel Training and Activities

Facility personnel training and activities:

- Training for appropriate facility personnel responsible for inspecting or observing incoming loads to recognize regulated hazardous waste, PCB waste, and other prohibited wastes;
- Random inspections of incoming loads in accordance with procedures described in this section;
- Maintaining records of all inspections;
- Notification of the executive director of any incident involving a regulated prohibited waste; and
- Remediation of any regulated hazardous waste discovered at the facility in accordance *with* §335.349.

Facility personnel will be trained to inspect incoming waste and identify regulated hazardous waste, polychlorinated biphenyl (PCB) waste, and other prohibited wastes. At a minimum, the gatehouse attendant and equipment operators will be trained in inspection procedures for prohibited waste. The personnel will be trained on an on-the-job basis by their supervisors. Records of employee training on prohibited waste control procedures will be maintained in the facility operating record.

The personnel will be trained to look for the following indications of prohibited waste:

- Yellow hazardous waste or PCB labels
- DOT hazard placards or markings "Liquids"
- 55-gallon drums
- 85-gallon overpack drums, powders or dusts
- Odors or chemical fumes
- Bright or unusual colored wastes
- Sludges

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

3.5 Waste Analysis [30 TAC §330.203(b)]

Strategic Materials Facility types and an estimate of the amount of each waste to be received or the maximum amount of waste to be stored at any one point in time hourly is provided in Table 4 below. All waste generated from processing the material for recycling and recovery is sent to landfill within 24 – 72 hrs. Maximum capacity of waste that can be stored is 200 tons (8 loads); and the maximum waste generated and sent to landfill on a daily basis is 200 tons.

Table 3: ***Line Capacity Performance***

Production Line	Capacity (tons per hour)	Performance (tons per hour)	Yield
Pre-Processing Line	20	15.66	90%
Optical Sort Line	15	12.66	50%
12 Mesh Line	12	9.81	90%
5/8 line	8	8.90	90%

Table 4: ***Line Capacity Performance***

Material	Average Received Daily (tons)	Max on Hand (tons)
TRASHFINSP	Produced Internally	25000
MIXSSU	324	10000
MIXSSW	Produced Internally	2500
TRASHCSPP	Produced Internally	50
TRASHCSPW	Produced Internally	25
TRASHP	Produced Internally	2000
MIXBP8515P	Produced Internally	200
MIXW	Produced Internally	100
MWPW	Produced Internally	20
MWPU	30.68	35
MIXU	17.8	150
STLP	Produced Internally	15
ALULGSP	Produced Internally	20
OTHFINW	Produced Internally	30

3.6 Facility-Generated Wastes [30 TAC §330.205]

Waste generated by the transfer station will be processed or disposed of at an authorized solid waste management facility.

Wastewaters generated by the transfer station will be managed in accordance with §330.207, and further described below in Section 4 Contaminated Water Management of the Site Operating Plan. No sludges are generated on site.

4 CONTAMINATED WATER MANAGEMENT [30 TAC §330.207]

4.1 Contaminated Water Management Plan

Liquid process wastewater is not generated from the operation of the Strategic Materials Facility. Domestic sanitary wastewater generated from office buildings is directed to the City of Midlothian sanitary sewer. Stormwater runoff generated is handled through an on-site vegetated swale prior to discharge off-site through the TPDES MSGP designated Outfall.

Contaminated water and leachate will be collected and contained until properly managed. This facility does not accept or process grease trap waste or septage and is not a mobile liquid waste processing unit. If necessary, off-site discharge of contaminated waters will be made only after specific written approval under the Texas Pollutant Discharge Elimination System authority. The facility will abide by the daily effluent design standard under 30 TAC §330.207(g).

5 STORAGE REQUIREMENTS

5.1 Solid Waste Storage [30 TAC §330.209]

All solid waste will be stored in such a manner that it does not constitute a fire, safety, or health hazard or provide food or harborage for animals and vectors and shall be contained so as not to result in litter. All processing operations are indoors (sorting/separating). On-site storage areas for unprocessed source-separated or recyclable materials have been provided, that is separate from a transfer station or process area. Control of odors, vectors, and windblown waste from these outdoor storage areas are maintained by a high turnover rate of material, deodorizing sprays, and street sweeper daily on paved roads. For areas where sweeping isn't possible, material is cleaned by hand or scraped using a front-end loader and sent to its proper location. Storage areas are provided in Figure IV-2 in Attachment IV-1.

The Strategic Materials Facility is designed to receive a maximum of 475 tons per day (TPD) of waste. The maximum length of time that solid waste will remain at the facility is 72 hours. A maximum of approximately 200 tons of waste could be stored overnight within the enclosed transfer building.

5.2 Approved Containers [30 TAC §330.211]

Solid waste that is received does not contain food waste. Containers have been manually emptied and may contain residuals; however, the Strategic Materials Facility does not accept food or putrescible wastes. See list of accepted and prohibited wastes covered in Section 3, Part IV.

6 RECORDKEEPING AND REPORTING REQUIREMENTS [30 TAC §330.219]

6.1 Documents and Records to be Maintained

A copy of the registration, the approved application, and any other required plan or other related document will be maintained at the Strategic Materials Facility at all times. Additionally, a

certification by a Texas licensed PE that the facility has been constructed as designed in accordance with the issued registration [30 TAC 330.73(d)] will also be maintained at the Strategic Materials Facility. These documents will be furnished upon request by TCEQ representatives and made available for inspection by TCEQ representatives. These plans and documents are part of the facility operating record. The operating record will be maintained in an organized format which will allow information to be easily located and retrieved. All information contained within the operating record and the different required plans will be retained during the active life of the facility until after certification of closure.

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

- Access Control inspection and Maintenance Daily Litter Pickup
- Windblown Waste and Litter Control Operations Dust Nuisance Control Efforts
- Access Roadway Maintenance
- Fire Occurrence Notices, if applicable
- Documentation of Compliance with Approved Odor Management Plan

In addition to the plans and documents listed above, the information listed in Section 2.3, Table 2 will be recorded and retained in the operating record. This information will be placed in the operating record within seven working days of completion or upon receipt of analytical data, as appropriate.

Copies of annual reports will be maintained in the site operating record for five years. On-site records for composting facility will be available for inspection by the executive director for a period consisting of the two most recent calendar years, consistent with §330.219(d).

Table 4 ***Operating Record***

Records To Be Maintained	**Rule Citation**
1. All location-restriction demonstrations	330.2 I 9(b)(1)
2. Inspection records and training procedures	330.2 I 9(b)(2)
3. Closure plans and any monitoring, testing, or analytical data relating to closure requirements	330.2 I 9(b)(3)
4. AII cost estimates and financial assurance documentation relating to financial assurance for closure	330.2 I 9(b)(4)
5. Copies of all correspondence and responses relating to the operation of the facility, modifications to the permit/registration, approvals, and other matters pertaining to technical assistance	330.2 I 9(b)(5)
6. Any other document(s) as specified by the approved permit/registration or by the executive director	330.2 I 9(b)(7)
7. Trip tickets	312.145 330.2 I 9(b)(8)
8. Alternative schedules and notification requirements if applicable	330.2 I 9(g)
9. The annual solid waste summary reports by March 1st summarizing recycling activities and percent of recycled incoming waste for past calendar year	330.219(b)(9)
10. Inspection records and training procedures relating to fire prevention	330.221

and facility safety	
11. Access control breach and repair notices	330.223
12. Waste unloading/ prohibited waste discovery	330.225
13. Record of alternative operating hours if applicable	330.229(b)

6.2 Maintenance of Training Records and Required Licenses

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

6.3 Report Signatures

The facility will provide the reports required in 30 TAC §330.675 *to* the Executive Director. The owner/operator or duly authorized representative as defined in §305.44(a) and §330.219(c) will sign all reports and other information requested by the Executive Director and the person signing a report will make the following certification, as required by §305.44(b):

“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.”

If an authorization is no longer accurate because of a change in individual or position, a new authorization satisfying the requirements of §330.2 I 9(c) must be submitted to the executive director prior to, or together with, any reports, information, or applications to be signed by an authorized representative.

7 FIRE PROTECTION [30 TAC §330.221(A) THRU (C)]

7.1 Introduction

Burning is not permitted at the site. Fire extinguishers will be kept on all equipment and in the building. The site currently receives potable water from Hilco Water Services. A fire pump is included in the building to increase the supply pressure to light fires and the City of Midlothian Fire Department is available to assist with firefighting if needed. Fire hydrants are located around the transfer station building.

The following steps will be taken at the facility by designated personnel to prevent fires:

- Operators will be alert for signs of burning waste such as smoke, steam, or heat being released from incoming waste loads.

- Equipment used to move waste will be routinely cleaned through the use of high-pressure water or steam cleaners. The high-pressure water or steam cleaning will remove combustible waste and caked material which can cause equipment to overheat and increase fire potential.

- Smoking is not permitted near waste management areas.

7.2 Water Supply [30 TAC §330.221(a)]

A pressurized water supply will be connected to the transfer station building. A fire protection vertical in line pump capable of delivering 400 gallons per minute (or at a rate required by the Fire Marshal) will be maintained in the building.

7.3 Fire Equipment [30 TAC §330.221(b)]

The facility will be equipped with fire extinguishers of a type, size, location, and number as recommended by the local fire department. Each fire extinguisher will be fully charged and ready for use at all times. Each extinguisher will be inspected on an annual basis and recharged as necessary. A qualified service company will perform these inspections, and all extinguishers will display a current inspection tag. Inspection and recharging will be performed following each use. The receiving gatehouse, and all waste management equipment and vehicles will be equipped with fully charged fire extinguishers.

7.4 Fire Protection Plan [30 TAC §330.221(c)]

7.4.1 Fire Protection Source and Procedures

Staff will take the following steps if a fire is discovered:

- Contact the Midlothian Fire Department by calling 911. Alert other facility personnel.
- Assess the extent of the fire, possibilities for the fire to spread, and alternatives for extinguishing the fire. If it appears that the fire can be safely fought with available firefighting devices until arrival of the Midlothian Fire Department, attempts to contain or extinguish the fire will be made.
- Notify the City of Midlothian Public Works Director or appointed representative of the situation and that the Fire Department has been contacted.
- Upon arrival of the Midlothian Fire Department personnel, direct them to the fire and provide assistance as appropriate.
- Do not attempt to fight the fire alone. Do not attempt to fight the fire without adequate personal protective equipment. Be familiar with the use and limitations of firefighting equipment available onsite.

7.4.2 Fire Fighting Methods

Firefighting methods for burning solid waste include smothering the waste, separating burning material from other waste, or spraying with water if available from an on-site water hose(s) supplied with water from the water utility. Small fires might be controlled with hand- held extinguishers.

If a fire occurs on a vehicle or piece of equipment, the equipment operator will bring the vehicle or equipment to a safe stop. If safety of personnel will allow, the vehicle will be parked away from fuel supplies, uncovered solid wastes, and other vehicles. The engine will be shut off and the brake engaged to prevent movement of the vehicle or piece of equipment.

7.4.3 Fire Protection Training

Training of on-site personnel in firefighting techniques, fire prevention, response, and the fire protection aspects of the SOP will be provided, by established professionals, on an annual basis. Personnel will be familiar with the use and limitations of firefighting equipment available onsite. Records of this training will be included in the operating record for the facility.

7.5 TCEQ Notification

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

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

The facility will provide the appropriate TCEQ regional office with as much information as possible regarding the fire and fire-fighting efforts, as soon as possible after the fire occurs.
The fire prevention and fire control procedures for the facility will be revisited following the occurrence of a significant fire to determine modifications are warranted.

8 ACCESS CONTROL [30 TAC §330.223]

8.1 Facility Security

Public access will be controlled to minimize unauthorized vehicular traffic, unauthorized and illegal dumping, and public exposure to hazards associated with waste management. Controlled access will be obtained using a minimum six (6) foot perimeter fence of chain link or masonry and locking gates. US Highway (Hwy) 287 serves as a physical barrier along the southwest side of the properly.

The gate access area will be monitored by the scale house attendant. A solid masonry material fence at least six (6) feet in height will serve as visual screening along US Hwy 287 and Robinson Road. The scale house will be staffed, and the entrance gate monitored during all hours that the facility is open. When the facility is closed the gate will be locked.

The facility entrance will be monitored with cameras that the scale house attendant will be observing. The transfer station staff will also be observing the site for unauthorized vehicles through the facility entrance during operating hours. Transfer station staff will monitor for unacceptable materials and uncovered loads.

The facility will comply with the schedule and notification requirements in Table 4 for any access breach.

Table 5: ***Schedule for Notification and Repair of Perimeter Access Control Breaches***

Requirement	**Access Breach Permanently Repaired Within 8 Hours**	**Access Breach Not Permanently Repaired Within 8 Hours**
Notify region office of breach and repair schedule	Not required	Within 24 hours of breach detection
Make temporary repairs	(Not applicable)	Within 24 hours of breach detection
Make permanent repairs	Within 8 hours of breach detection	Within schedule indicated in initial breach report submitted to regional office
Notify regional office when permanent repair completed	Not required	Within schedule indicated in initial breach report submitted to regional office

8.2 Vehicle Access

Public access roads to the transfer station will be paved, all-weather roads. Roads are at a minimum two- lanes and the width and turning radii of the roads adequately sized to allow access of semi-trucks and other vehicles with trailers.

Only vehicles authorized by the manager, employee personal vehicles, and authorized haul vehicles will have access beyond the facility entrance. Signage will provide directions to customers and the public to the public entrances of the facility. Additional signage within the facility will provide directions to public unloading areas.

Vehicles transporting solid waste arriving at the facility will be directed to an unloading area by on-site personnel or signage. Operations will be conducted in a manner that allows the prompt and efficient unloading of waste, with unloading areas confined to as small an area as practical.

Parking for employees and equipment are provided through the primary facility access for the operations area, with signs limiting/restricting parking near the transfer building.

9 UNLOADING OF WASTE [30 TAC §330.225]

9.1 Unloading of Waste

The unloading of solid waste will be confined to as small an area as practical. The maximum size of the unloading areas are detailed in Figure IV-2 in Attachment IV-1.

The unloading of waste in unauthorized areas is prohibited. Any waste deposited in an unauthorized area will be removed immediately and managed properly. A trained employee will be present at the entrance at all times during operating hours to monitor all incoming loads of waste and will direct traffic to the appropriate unloading area. Signs with directional arrows and/or portable traffic barricades will help to restrict traffic to designated unloading locations. Unloading of unprocessed materials will be limited to the locations shown in Figure IV-2 in Attachment IV-1.

The scale house attendants and equipment operators will monitor the incoming waste. These personnel will be familiar with the rules and regulations governing the various types of waste that can or cannot be accepted into the facility. The personnel will also have a basic understanding of both industrial and hazardous waste and their transportation and management requirements. The facility is not required to accept any solid waste that may cause problems in maintaining full and continuous compliance with the permit/registration.

Certain wastes are prohibited from management at the facility. Prohibited wastes are described in Section 3 of the Waste Acceptance and Analysis section of this Site Operating Plan. The unloading of prohibited wastes at the facility will not be allowed. The operator will take necessary steps to ensure compliance. Personnel have the authority and responsibility to reject unauthorized loads, have unauthorized material removed by the transporter, and/or assess appropriate surcharges, or have the unauthorized material removed by on-site personnel and otherwise properly managed by the facility. Any prohibited waste not discovered until after unloading will be placed back in the offending transporter's vehicle, if possible, or otherwise returned promptly to the transporter or generator of the waste. The driver may be advised where the waste may be managed or disposed of legally and will be responsible for the proper handling of this rejected waste.

In the event the unauthorized waste is not discovered until after the delivery vehicle is gone, the waste will be segregated and controlled as necessary. The manager/supervisor will make an effort to identify the entity that deposited the prohibited waste and have them return to the facility and properly dispose of the waste. In the event that identification is not possible, the manager/supervisor will notify the TCEQ and seek guidance on how to remove and dispose of the waste as soon as practical. A record of unauthorized material removal will be maintained in the operating record.

Only those persons operating vehicles that comply with the following requirements will be authorized by the manager/supervisor to transport waste to and from this facility:

1. All vehicles and equipment used for the collection and transportation of waste will be operated and maintained to prevent loss of waste material and to limit health and safety hazards to facility personnel and the public.

2. Collection vehicles and equipment will be maintained in a sanitary condition to preclude odors and fly breeding.
3. Collection vehicles not equipped with an enclosed transport body will use other devices such as nets or tarpaulins to preclude accidental spillage.

Facility personnel will keep watch for compliance with operating requirements. Ln addition, rules for waste receipt and prohibited waste will be prominently displayed on signs at the facility entrance.

9.2 Spill Prevention and Control [30 TAC §330.227]

Storage and processing areas have been designed to control and contain spills and contaminated water from leaving the facility based on a 25-year, 24-hour storm. All waste transfer activities are conducted within the transfer station building. Wash water will be kept within the building and discharged through sloping floors with a direct connection to an on-site holding tank and a future connection to the City of Midlothian sanitary sewer. As such, the facility is designed to control contaminated water from leaving the transfer station facility.

10 FACILITY OPERATING HOURS [30 TAC §330.229]

Facility operating hours are as follows:

- The regular waste acceptance hours will be 5:00 am to 7:00 pm, Monday through Friday, and 6:00 am to 3:00 pm on Saturdays. Hours will be posted on a sign at the entrance to the facility.
- The operating hours for operating heavy equipment and transporting materials on- or off-site shall be any time between the hours of 4:00 am to 9:00 pm Monday through Saturday.
- Other activities (e.g., administrative, security, general facility maintenance) can occur at any time.
- These hours of operations will allow for efficient waste collection and transfer before the peak morning traffic hours and will allow for the servicing of commercial customers (restaurants, business, and schools etc.) at times that do not interfere with their daily operations and customers. The longer waste acceptance hours will also spread out the facility traffic thereby reducing impacts during the peak traffic hours. Extended Saturday hours help commercial businesses that need waste collection on weekends and collections from residential customers who have limited access during the work week.
- The facility will normally be closed to the public on Sundays, Christmas Day, New Year’s Day, and Thanksgiving Day, but will be available for operations staff six days a week, 52 weeks per year as necessary.

When warranted, the facility manager/supervisor will request approval from the commission's regional office to allow additional temporary operating hours to address disaster or other emergency situations, or other unforeseen circumstances (such as traffic delays or adverse weather) that could result in the disruption of waste management services in the area. The facility manager/supervisor will document the reason or reasons for the delay for each day on which a delay occurs and place the documentation in the operating record.

11 FACILITY SIGN [30 TAC §330.231]

A conspicuous sign measuring a minimum of four feet by four feet will be maintained at the public entrance to the facility. The sign stales, in letters at least three inches high, the following information:

Type of MSW Facility: Type V
Authorized by TCEQ Registration Number: MSW Registration No. 100540
Emergency 24-hour Contact Number: 262-581-7132
Local Emergency Fire Department Number: 911

The sign will be visible and readable from the facility entrance. The hours of operation will be within acceptance hours stated in Section 10 of this plan, Facility Operating Hours. The sign will also state that the following wastes (listed below) are prohibited from receipt at the facility.

- Regulated Hazardous waste
- Polychlorinated biphenyls (PCBs) wastes
- Lead acid storage batteries
- Whole used or scrap tires
- Items containing chlorinated fluorocarbons (CFCs)
- Used oil and used oil filters
- Liquid wastes
- Asbestos wastes
- Large or bulky items

The above are prohibited as well as other wastes described in Subsection 3.4 of this plan, Prohibited Wastes.

Signs prohibiting smoking will be posted near the facility entrance or gatehouse.

A sign will be prominently displayed at the facility entrance stating that all loads will be properly covered or otherwise secured.

12 LITTER CONTROL MEASURES

12.1 Control of Windblown Material and Litter [30 TAC §330.233]

Windblown material and litter will be controlled through several methods, including proper unloading procedures, the use of portable litter control fences, perimeter fences, the orientation of the facility to the prevailing wind direction, landscaping, and adequate staffing. Personnel will police the facility, including fences, access roads, and the entrance gate, every operating day to pick up and return windblown material and litter to the facility and perform such other litter control measures, as necessary.

12.2 Materials along the Route of the Facility [30 TAC §330.235]

The facility operator will take steps to encourage that vehicles hauling waste to the facility are enclosed or provided with a tarpaulin, net, or other means to effectively secure the load in order to prevent the escape of any part of the load by blowing or spilling. The operator will take actions

such as posting signs, reporting offenders to proper law enforcement officers, adding surcharges, or similar measures. On days when the facility is in operation, the operator will be responsible for at least once per day cleanup of waste materials spilled along and within the right-of-way of public access roads serving the facility for a distance of two (2) miles in either direction from any entrances used for the delivery of waste to the facility, consistent with 30 TAC §330.235.

12.3 Facility Access Roads [30 TAC §330.237]

The facility will abide by the following aspects regarding facility access roads:

Tracked mud and associated debris at the entrance to the facility and on the public roadway at the entrance to the facility and trash on public roadways will be removed at least once per day on days when mud and associated debris are being tracked onto the public roadway, to the extent that mud can be reasonably considered to be associated with facility operations. The facility will keep records to demonstrate compliance with the requirement.

Dust from on-site and other access roadways will not become a nuisance to surrounding areas. A water source and necessary equipment or other means of dust control approved by the TCEQ executive director will be provided.

Litter and any other debris on-site and other access roadways will be picked up at least daily and taken to the collection area.

Access roadways will be maintained to minimize depressions, ruts, and potholes.

For all-weather roads within the facility to the unloading area designated for wet- weather operation, the haul roads and access roads will be constructed with appropriate materials to provide all weather access. The facility will incorporate a paved facility entrance road.

Tracking of mud and trash onto public roadways will be minimized by the use of asphalt or concrete paved entrance, facility roads and internal roads and a tire wash station. A City of Midlothian street sweeper will be used to remove tracked mud and associated debris from the facility entrance and nearby public roadways in the event that it appears that the mud has originated from the site.

Haul roads and access roads will be maintained in a reasonable dust-free condition by having asphalt-paved and concrete-paved interior roadways. All on-site and other access roadways will be maintained on a regular basis to minimize depressions, ruts, and potholes.

12.4 Noise Pollution and Visual Screening [30 TAC §330.239]

The transfer station is located in a non-residential area of Midlothian zoned for Medium Industrial (MI). The transfer station will conduct waste transfer activities within the transfer building to minimize potential noise pollution and adverse visual impacts. The transfer station will also have screening by significant walling along US Hwy 287 and Robinson Road.

12.5 Overloading and Breakdown [30 TAC §330.241]

The design capacity of the solid waste facility will not be exceeded during operation. The facility will not accumulate solid waste in quantities that cannot be processed within such time as will preclude the creation of odors, insect breeding, or harborage of other vectors. If such accumulations occur, additional solid waste will not be received until the adverse conditions are abated.

Waste will be stored for no longer than 72 hours prior to transport off-site.

Table 6: ***Turnover Rates***

Turnover	
January 2024 thru June 2024	
Total Out (tons)	Total In (tons)
61745.47	67436.06
61745.47 divided by 67436.06 = 91.56% turnover	

If a significant work stoppage should occur due to a mechanical breakdown or other causes, the facility will restrict additional solid waste receipt. Under such circumstances, incoming solid waste will be diverted to an approved backup storage, processing, or disposal facility within 50 miles of the Strategic Materials Facility. If the work stoppage is anticipated to last long enough to create objectionable odors, insect breeding, or harborage of vectors, steps will be taken to remove the accumulated solid waste from the facility to an approved backup storage, processing, or disposal facility within 24 hours.

12.6 Backup Provision

In the event of equipment repairs or during equipment maintenance periods, the facility will obtain equipment from other facilities, contractors, or local rental companies to avoid interruption of waste services. If the facility is inoperable for more than 24 hours, the accumulated solid waste will be loaded into transfer trailers with a front-end loader from the facility to an approved backup storage, processing, or disposal facility. Customers of the transfer station facility will be directed to an approved backup storage, processing, or disposal facility during the prolonged work stoppage.

13 SANITATION [30 TAC §330.243]

All working surfaces that come in contact with wastes will be washed down at least once a week. At the completion or processing, wash waters will not be allowed to accumulate on-site without proper treatment to prevent the creation of odors or an attraction to vectors. Wash water and other contaminated water will be taken to a TCEQ approved facility for treatment and final

disposal. All wash water and contaminated water will be directed to the above ground holding tank, from which it will be removed on an as needed basis by a licensed liquid waste hauler.

14 VENTILATION AND AIR POLLUTION CONTROL [30 TAC §330.245]

Air emissions from the facility will not cause or contribute to a condition of air pollution as defined in the Texas Clean Air Act.

The facility and any constructed air pollution abatement devices will obtain authorization, under Chapter 116 of this title (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.

The facility will be designed and operated to provide adequate ventilation for odor control and employee safety. The operator will prevent nuisance odors from leaving the boundary of the facility. If nuisance odors are found to be passing the facility boundary, the facility operator will investigate and attempt to identify the source of the nuisance and immediately take action to abate the nuisance odor conditions. These abatement actions can include deploying portable odor suppression devices (i.e. deodorant misters or sprays), covering or tarping the area identified and/or suspending operations until the nuisance condition is abated.

All air pollution emission capture and abatement equipment or equivalent technology will be properly maintained and operated during the facility operation. Cleaning and maintenance of the abatement equipment will be performed as recommended by the manufacturer and as necessary so that the equipment efficiency can be adequately maintained.

This facility will NOT recover material from solid waste that contains putrescibles, and all waste management processes and activities will be maintained totally within an enclosed building. Openings to the process area will be controlled to prevent releases of nuisance odors from leaving the property boundary of the facility.

Reporting of emissions events will be made in accordance with 30 TAC §101.201, Emissions Event Reporting and Recordkeeping Requirements and reporting of scheduled maintenance will be made in accordance with 30 TAC §101.211, Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements.

Any ponded water at the facility will be controlled to avoid it becoming a nuisance. In the event that objectionable odors do occur, ponded water will be eliminated before objectionable odors occur to prevent the creation of nuisance odors. Appropriate measures will be taken to alleviate the condition such as filling and regrading the area of the occurrence.

15 HEALTH AND SAFETY [30 TAC §330.247]

15.1 Employee Sanitation Facilities [30 TAC §330.249]

The facility will have potable water and sanitary facilities for all employees and visitors.

15.2 Disease Vector Control

The operator will control vectors such as rodents, flies, and mosquitoes through proper daily facility operations. If necessary, a licensed professional will apply pesticides for control of vectors to ensure that proper chemicals are used and that they are properly applied.

15.3 Salvaging and Scavenging

Salvaging and/or scavenging by the public and non-operations personnel will be prohibited at all times. Recovery of recyclable items by operations personnel will not be allowed to interfere with prompt sanitary disposal of solid waste or to create public health nuisances. Salvaged materials will be considered as potential recyclable materials and may be stored in a designated collection area. Salvaged items will be recycled often enough to prevent an excessive accumulation of the material at the facility to prevent odor or other nuisance conditions from developing and to eliminate the risk of discharge of pollutants. Pesticide, fungicide, rodenticide, and herbicide containers will not be salvaged unless they are salvaged through a state-supported recycling program. Salvaging of special waste will be prohibited.

15.4 Visual Screening of Waste

Waste management operations will not be readily visible from publicly accessible locations. The operator will provide visual screening of waste materials. The Strategic Materials Facility includes an 8-foot-tall fence barrier along the southwest, east, and most of the northern property line and US Hwy 287 as well as Robinson Road. Landscaping will be included to serve as screening on the south property line. The rolling gates to the transfer building face in a north direction along Robinson Road, and rolling gates also face in an eastern direction along Eastgate Road. Commercial/industrial facilities occupy both the north and east adjacent properties.

ATTACHMENT IV-1

FACILITY LAYOUT

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

Rev. 0

Date Prepared: September 17, 2024

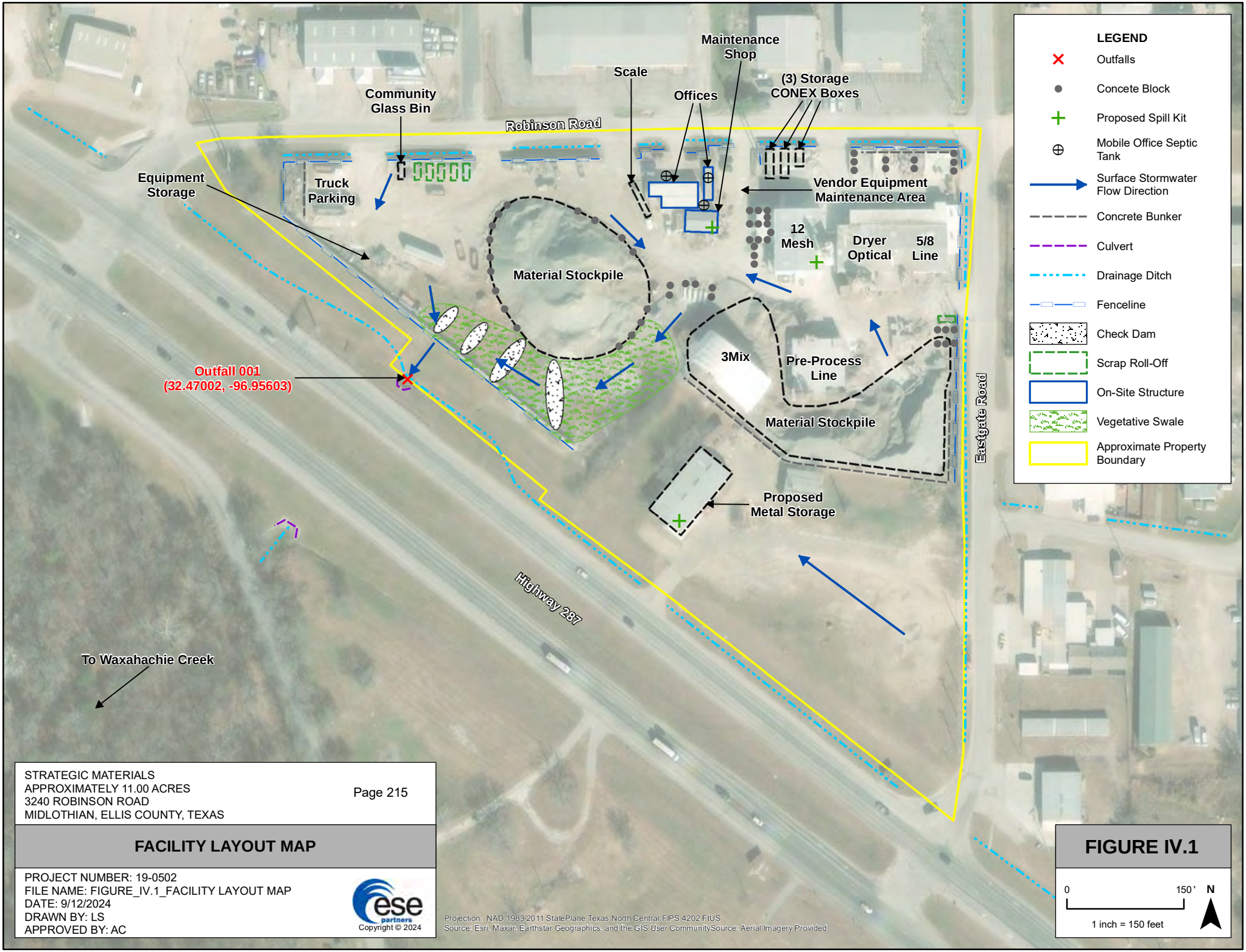
Revision Date:

Prepared By:

ESE Partners, LLC

2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131



STRATEGIC MATERIALS
APPROXIMATELY 11.00 ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

FACILITY LAYOUT MAP

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_IV.1_FACILITY LAYOUT MAP
DATE: 9/12/2024
DRAWN BY: LS
APPROVED BY: AC

Projection: NAD 1983 2011 StatePlane Texas North Central FIPS 4202 FtUS
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource: Aerial Imagery Provided

FIGURE IV.1

0 150' N
1 inch = 150 feet

Material Location	Material Code	Material Description	Bunker Size LxWxH	Bunker Capacity Cu. Ft.
1	TRASHFINSP	UncersizedCoarseFinestoDump: Processed	196*159*12	779100
2	TRASHFINSP	UncersizedCoarseFinestoDump-Processed	30*45*10	17550
3	MIXSSU	MixecSingleStreamBottle-Unprocessed	53*200*12	127200
4	MIXSSW	MixedSingleStreamBottle-WIP	35*18*8	5040
5	TRASHCSPP	CSPtrashtothedump-Processed	35*18*8	5040
6	TRASHCSPW	CSP 1st Run-WIP	35*12*8	3360
7	TRASHP	TrashProcessed-Processed	70*30*12	25200
8	MIXBP8515P	BottlePlate12Mesh8lend85/15-P	2 Silos	200 tons
9	MIXW	MixedBottleCullet-WIP	16*10*8	1440
10	TRASHCSPP	CSPtrashtothedump-Processed	16*13*8	1872
11	MWPW	MixedWindowPlate-WIP	16*10*8	1440
12	TRASHFINESP	UncersizedCoarseFinestoDump:-Processed	16*12*8	1728
13	EMPTY		16*34*8	4896
14	MWPU	MixedWindowPlate-Unprocessed	25*18*8	4050
15	EMPTY		25*12*8	2700
16	Empty Pallets		25*17*8	3825
17	MIXU	MixedBottleCullet-Unprocessed	20*12*6	1440
18	TRASHCSPW	CSP 1st Run-WIP	20*12*6	1440
19	Pallets of glass bottles		25*23*8	5175
20	TRASHP	TrashProcessed-Processed	57*100*12	74100
21	STLP	Steel-Processed	Roll-off Container	20 cu. yd.
22	ALUOSP	Aluminum-LowGradeALUScrap-Processed	Gaylord Container	2.5 cu. yd.
23	OTHFINW	Coarse Fines 1st Run-WIP	Hopper	2 cu. Yd.

Phase	Action	Description
1 Inbound/outbound Scale	MIXSSU Received	Material weighed and scale ticket issued
	MWPU Received	Material weighed and scale ticket issued
	MIXU Received	Material weighed and scale ticket issued
	MIXBP8515P Shipped	Material weighed and scale ticket issued
	TRASHP Shipped	Material weighed and scale ticket issued
	TRASHFINESP Shipped	Material weighed and scale ticket issued
	STLP shipped	Material weighed and scale ticket issued
	ALUOSP	Material weighed and scale ticket issued
2	MIXSSU unloaded	Location confirmed-material unloaded-pushed into bunker
	TRASHP loaded with Front End Bucket Loader	
3	MWPU unloaded	Location confirmed-material unloaded-pushed into bunker
4	MIXU unloaded	Location confirmed-material unloaded-pushed into bunker
5	MIXBP8515P Loaded	Trailer tank loaded with pneumatic silo spout
6	TRASHFINESP loaded	

STRATEGIC MATERIALS, INC.
APPROXIMATELY 11 ACRES
3240 ROBINSON ROAD
MIDLOTHIAN, ELLIS COUNTY, TEXAS

CONTAINMENT WALLS AND STORAGE AREAS

PROJECT NUMBER: 19-0502
FILE NAME: FIGURE_IV.2_CONTAINMENT
DATE: 9/16/2024
DRAWN BY: LS
APPROVED BY: AM

Projection: NAD 1983 StatePlane Texas North Central FIPS 4202 Feet
Source: Esri, Maxar, Earthstar Geographics, and the GIS User CommunitySource:

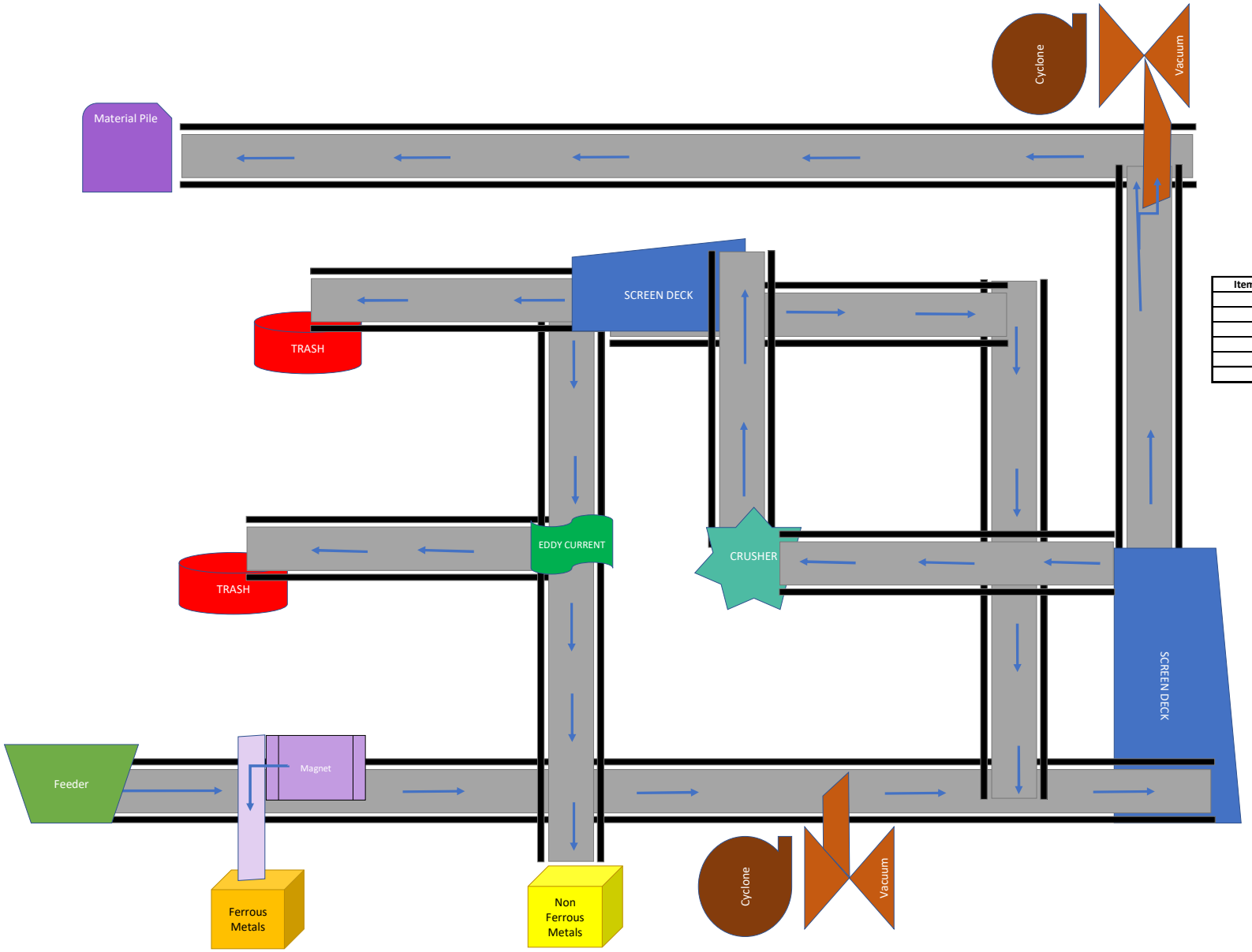
FIGURE IV.2

0 100 '
1 inch = 100 feet
N

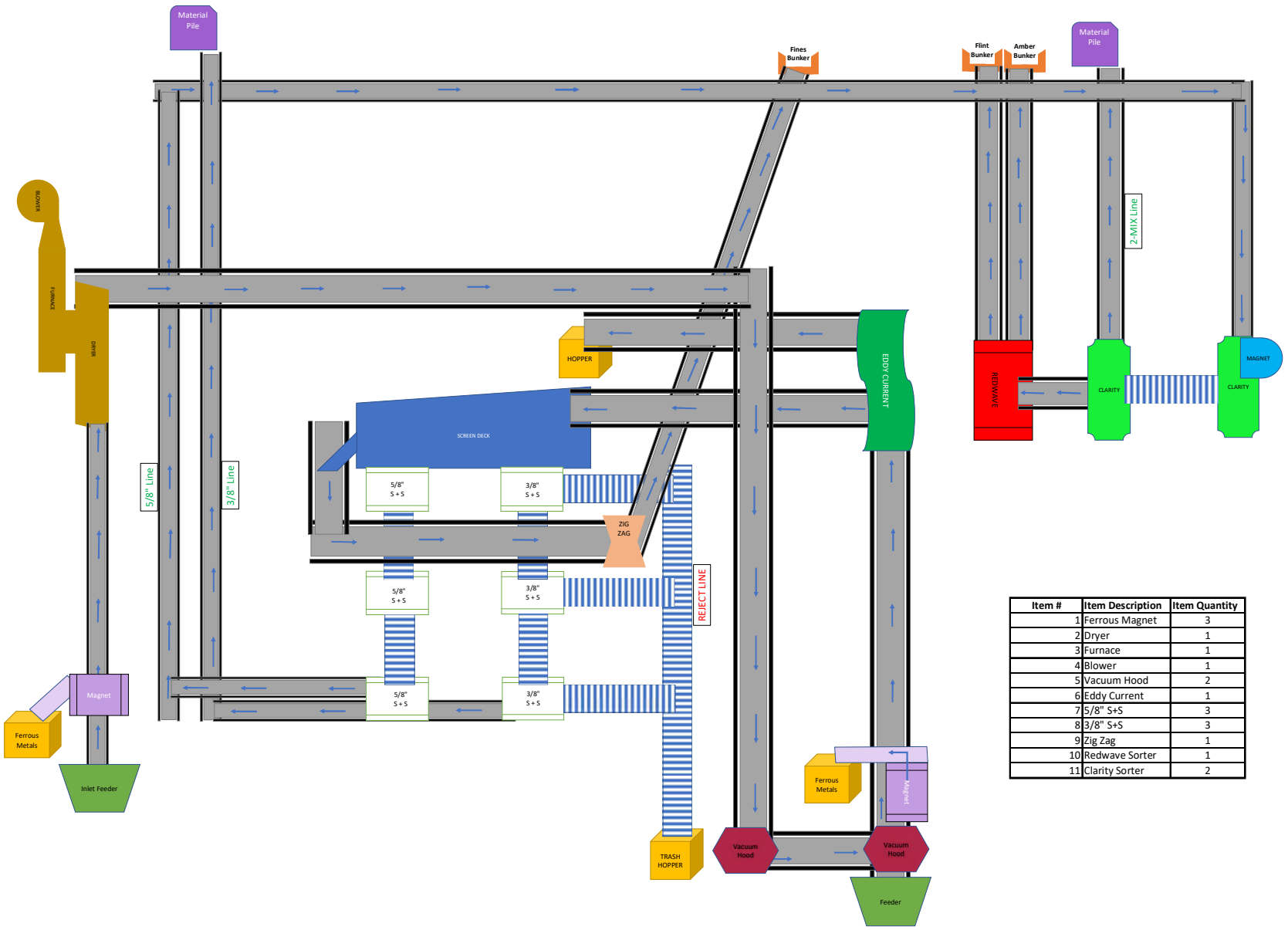
Midlothian, TX Plant Process Flow

STRATEGIC MATERIALS
Recycling Earth's Resources

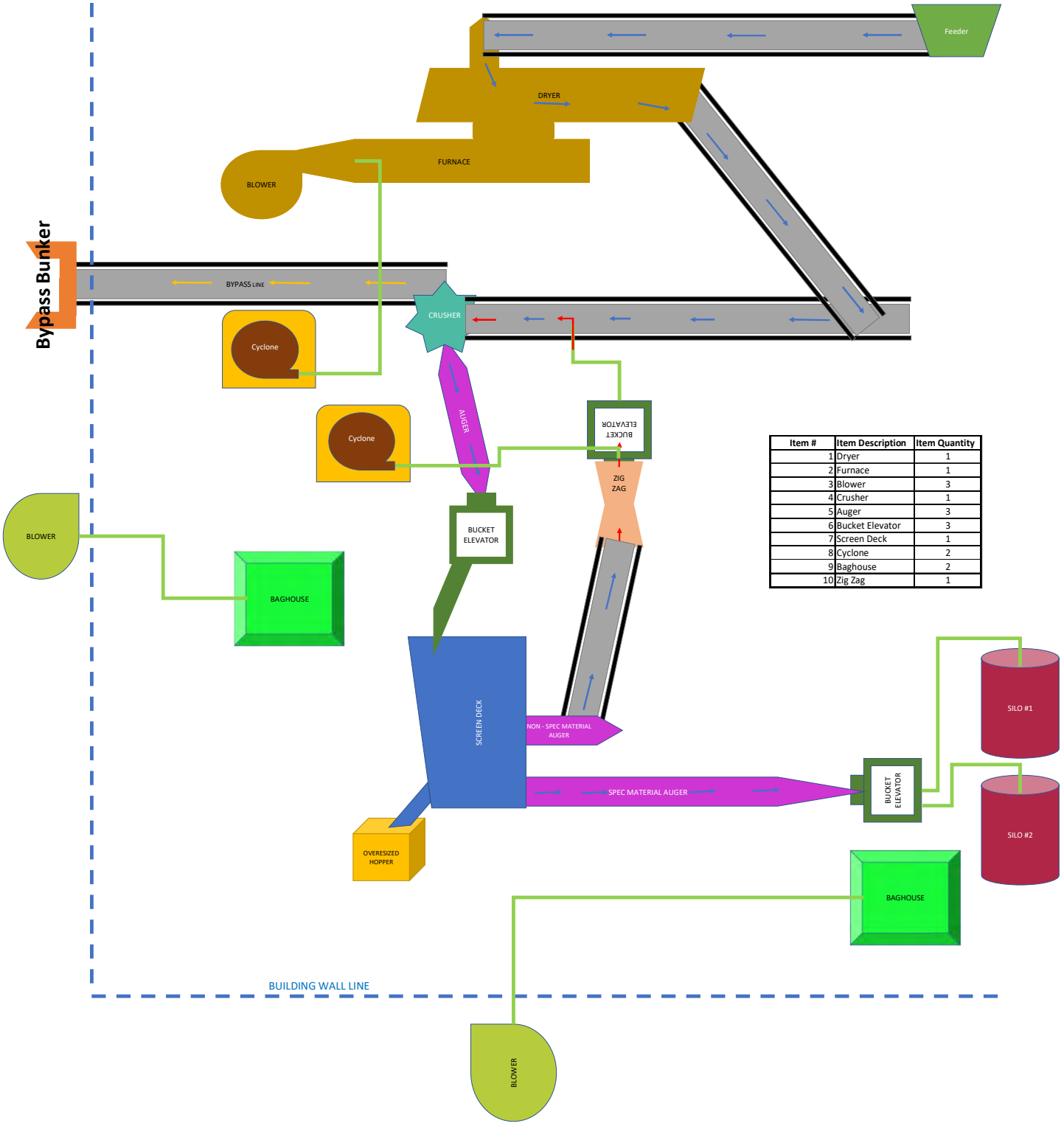
PRE-CLEAN LINE



Item #	Item Description	Item Quantity
1	Ferrous Magnet	1
2	Eddy Current	1
3	Screen Deck	2
4	Crusher	1
5	Cyclone	2
6	Vacuum	2



Item #	Item Description	Item Quantity
1	Ferrous Magnet	3
2	Dryer	1
3	Furnace	1
4	Blower	1
5	Vacuum Hood	2
6	Eddy Current	1
7	5/8" S+S	3
8	3/8" S+S	3
9	Zig Zag	1
10	Redwave Sorter	1
11	Clarity Sorter	2



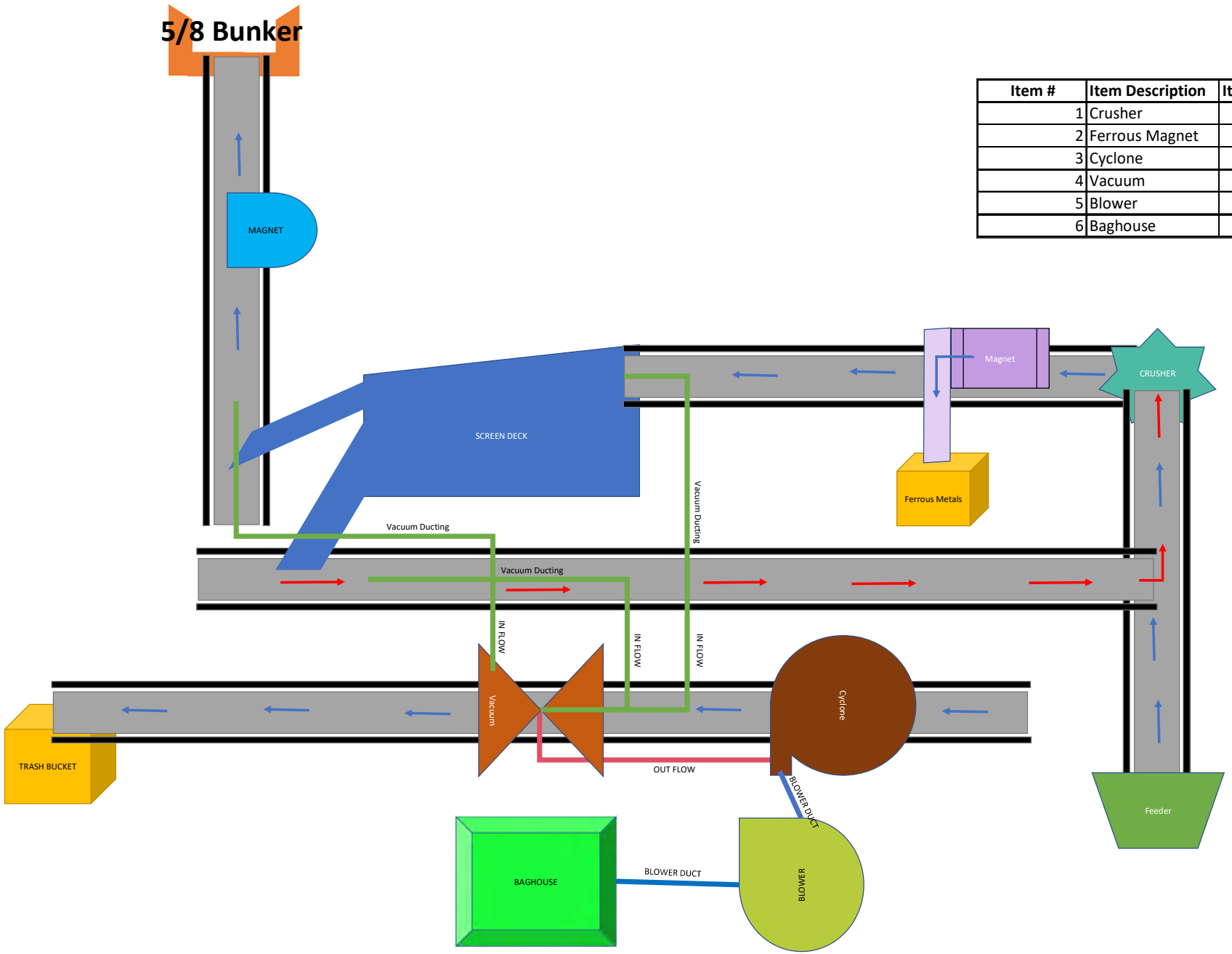
Item #	Item Description	Item Quantity
1	Dryer	1
2	Furnace	1
3	Blower	3
4	Crusher	1
5	Auger	3
6	Bucket Elevator	3
7	Screen Deck	1
8	Cyclone	2
9	Baghouse	2
10	Zig Zag	1

Midlothian, TX Plant Process Flow

STRATEGIC MATERIALS
Recycling Earth's Resources

5/8 LINE

Item #	Item Description	Item Quantity
1	Crusher	1
2	Ferrous Magnet	2
3	Cyclone	1
4	Vacuum	1
5	Blower	1
6	Baghouse	1



REVISED: 9/17/2024

ATTACHMENT IV-2

INSPECTION FORMS

STRATEGIC MATERIALS FACILITY

MSW Registration Number TBD

Midlothian, Ellis County, Texas

Prepared For:

STRATEGIC MATERIAL, INC.

Rev. 0

Date Prepared: September 17, 2024

Revision Date:

Prepared By:

ESE Partners, LLC

2002 West Grand Parkway North
Suite 140
Katy, TX 77449

Texas Engineering Registration No. F-10131

STRATEGIC MATERIALS FACILITY

PUBLIC AND RANDOM WASTE DELIVERY INSPECTION FORM

(SMI INSP FORM 1)

This inspection is required to be conducted on random public (non-commercial hauler) delievery.

Time/Date : _____ Inspector : _____

Waste deliveries to inspect :

- Incoming public waste deliveries (i.e. any waste delivered that is not performed by the Strategic Materials Facility or a recognized third party collection hauler or contractor licensed to operate the facility.

Do you see any of the following indications of prohibited waste ?

_____ Yellow hazardous waste or PCB labels

_____ Red-bagged wastes or wastes labeled ”asbestos”

_____ Liquid waste

_____ 55-gallon drums

_____ 85-gallon overpack drums

_____ Powders or dust

_____ Odors or chemical fumes

_____ Bright or unusual colors

_____ Waste sludges

_____ Tires

_____ Batteries

If you check any of the above, please direct that load to an area out of the flow of traffic and further asses the waste. If you determine that the load contains prohibited waste, reject the load.

Remarks : _____

_____

Inspection Completed by : _____

Signature/Date

STRATEGIC MATERIALS FACILITY

DAILY ON-SITE INSPECTION FORM

(SMI INSP FORM 2)

This inspection is required to be conducted every day that the site is operating.

Time/Date : _____ Inspector : _____

Areas to inspect :

- Staging and storage areas for solid wastes
- Areas where waste is processed
- Other areas include perimeter fences and internal driveways
- Public working areas, wind fences, access roads, entrance areas, perimeter fence for loose trash
- Clean up if necessary

Do you see?

_____ Windblown waste

_____ New damage, erosion, or excessive mud accumulation on facility access roads

Inspect the perimeter of the facility to access the performance of facility operations to control odor.

Odor ?

_____ Yes

_____ No

Remarks : _____

_____

_____

_____

Inspection Completed by : _____

Signature/Date

STRATEGIC MATERIALS FACILITY

DAILY OFF-SITE INSPECTION FORM

(SMI INSP FORM 3)

This inspection is required to be conducted every day that the site is operating.

Time/Date : _____ Inspector : _____

Police the entrance areas and roads along the primary access routes at least one mile from the facility entrances for loose trash. Clean up as necessary

Areas to inspect :

_____ Primary delivery routes within two miles of the facility

Do you see?

_____ Windblown waste

Remarks : _____

_____

_____

_____

_____

_____

Inspection Completed by : _____

Signature/Date

STRATEGIC MATERIALS FACILITY

WEEKLY INSPECTION FORM

(SMI INSP FORM 4)

This inspection is required to be conducted once a week and within 72 hours of a rainfall event totaling 0.5 or more inches of rain.

Time/Date : _____ Inspector : _____

Areas to inspect :

_____ Staging and transfer areas for solid wastes

_____ Other process areas

Inspection items :

- Fence/gates- inspect perimeter fence and gates for damage. Make repairs if necessary.
- Facility signs- inspect all facility signs for damage, general location, and accuracy of posted information.
- Leakage/releases- inspect any potentially contaminated water that may have released into the stormwater outfall. Check storage area and bunkers.
- Drainage channels/ponds- inspect perimeter channels and stormwater controls to verify they are functioning as designed (e.g., excess sediment removed, outlet structures intact, etc).

Remarks : _____

_____

_____

_____

_____

_____

Inspection Completed by : _____

Signature/Dat