

Lindsay Ross  
Municipal Solid Waste Permits – MC 124  
Texas Commission on Environmental Quality  
P.O. Box 13087  
Austin, TX 78711-3087

Re: Response to Notice of Deficiency Letter – Type V Permit Application  
City of Copperas Cove Transfer Station, Permit No. MSW-2422  
RN102668464/CN600260467  
Tracking No. 29805585

Dear Ms. Ross:

On behalf of The City of Copperas Cove, please find enclosed one original and two copies of the replacement pages for the referenced permit application. The attached replacement pages were developed to incorporate comments included in your email dated August 28, 2024.

The enclosed table contains each comment identified by the TCEQ and a response to each below the comment. Please also note that in addition to addressing TCEQ's comments, amendments have been made in response to your email dated September 5, 2024.

Part I/II Section 2.1.1 incorrectly stated the total area of the transfer station building to be approximately 12,000 square feet. This has been corrected to approximately 10,000 square feet. This section correctly identified the tipping floor area as 8,500 square feet. The building's total length is 130 feet, including the 100-foot-long tipping floor. The expansion will occur only along the tipping floor length, increasing the width of the building by 55 feet and resulting in an area increase of 5,500 square feet. This totals 15,500 square feet in area for the building, as described in the traffic study on page I/II-A-16. The 14,000 square foot area mentioned in the correspondence with TxDOT refers to the proposed tipping floor. The remaining 1,500 square feet encompass the loading tunnel on the building's west side.

During the course of your review, if you need additional information or have any questions, please call.

Sincerely,



Charles Marsh, P.E.  
Project Director

Attachments: Attachment 1: Application Deficiencies Table  
Attachment 2: Revision Pages (RLSO Format)  
Attachment 3: Revision Pages (Clean Format)

cc: TCEQ Region 9  
Mr. Scott Osburn, City of Copperas Cove

**ATTACHMENT 1**  
**APPLICATION DEFICIENCIES TABLE**

Table of Deficiencies

NOD ID	MRI ID	App. Part	Citation	Location	2nd NOD Type	NOD Description
1	181	Part II	330.61(c)(11)	Part III, Figure IIIA-5	Incomplete	<p>Indicate the location of all gates used for access control with labels on the appropriate figures.</p> <p><b>Response:</b>                      Figures III A-1 and III A-2 contain callouts for all access control gates. Part III-SDP Section 2.1.2 now identifies these gates as well.</p>
2	186	Part II	330.61(d)(2)	Parts I/II, Figures I/II-4.1 and I/II-4.2	Ambiguous	<p>The labeling of existing internal roads on Figure I/II-4.4 does not clearly indicate the location of the internal roads. Add a different shading technique in the areas where the internal roads are located, along with a corresponding symbol in the legend, to Figure I/II-4.4</p> <p><b>Response:</b>                      A hatch has been added over the existing internal roads on Figure I/II-4.4.</p>
3	1025	Part IV	330.209(b)	Part IV-SOP, Section 5.1	Incomplete	<p>Elaborate on how recyclable materials will be stored within the recycling center. For example, what containers will be used to store the recyclable material. Additionally, revise the narrative to state how long the material will be stored in the recycling building and indicate the maximum quantity of recyclable materials that will be stored in the recycling building.</p> <p><b>Response:</b>                      The requested information regarding the storage of recyclable materials has been included in Part I/II Section 2.1.2, Part III-SDP Section 2.1.2, and Part IV-SOP Sections 2.2, 2.4, 4.1, and 4.2.</p>

**ATTACHMENT 2**  
**REVISION PAGES**  
**(RLSO FORMAT)**

**CITY OF COPPERAS COVE TRANSFER STATION  
CORYELL COUNTY, TEXAS  
TCEQ PERMIT NO. MSW-2422  
TYPE V PERMIT APPLICATION  
PARTS I/II  
GENERAL APPLICATION REQUIREMENTS**

Prepared for

The City of Copperas Cove

April 2024  
Revised July 2024

Revised September 2024

Prepared by

**Weaver Consultants Group, LLC**  
TBPE Registration No. F-3727  
6420 Southwest Blvd., Suite 206  
Fort Worth, Texas 76109  
817-735-9770



10/03/2024

WCG Project No. 5552-001-11-00

This document is issued for permitting purposes only.

## 2 SUPPLEMENTARY TECHNICAL REPORT

---

### 2.1 Facility Description and Project Overview

The City of Copperas Cove TS is an existing permitted municipal solid waste TS facility located within the city limits of Copperas Cove, Texas. The existing facility is located at 2605 S. FM 116, Copperas Cove, Texas 76522 in Coryell County, Texas. The longitudinal and latitudinal geographic coordinates for the City of Copperas Cove TS are shown in Section 4.

*This report addresses  
§ 305.45(a)(7),  
§ 305.45(a)(8),  
§ 330.59(b)(2),  
§ 330.61(b), § 330.61(l),  
§ 330.61(o), and  
§ 330.61(p).*

The proposed improvements will establish a permit boundary of 14.63 acres, providing enhanced operations and a more efficient means to transfer MSW and recyclable materials that are generated in the service area to an area landfill. The TS also provides services to contractors and self-haulers (i.e., cars and pickups). This service area is based on economic conditions, and the facility may accept waste from areas other than those identified above.

The quantity and types of waste to be transferred at the proposed facility, as well as the site design and site operations, are discussed in the following subsections.

#### 2.1.1 Waste Acceptance Plan

The existing transfer station facility consists of an approximate 102,000 square foot steel-framed building (approximately 8,500 square feet of tipping floor) with corrugated metal walls and concrete foundation. The steel building is about 130 feet long and 90 feet wide. The existing Type V transfer station facility includes a concrete tipping floor, push walls, a grapple loader, and the top-loading tunnel.

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

- Incinerator ash;
- Sludges.

### 2.1.2 Projected Transfer Rate

The City of Copperas Cove TS will serve residences and businesses, including those in the Service Area. The TS received approximately 30,838 tons during the 2021 fiscal year beginning September 1, 2020 and ending August 31, 2021.

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

An estimated 10-15% of incoming waste is currently diverted for recycling. Once the proposed recycling center is constructed, the estimated amount of recyclable material is anticipated to increase to 20% to 25% of the total incoming waste stream.

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

NTMWD Fiscal Year <sup>1</sup>	Waste Acceptance Rate	
	Daily <sup>2</sup> (tons per day)	Annually (tons per year)
2021	84.5	30,838
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2023	87.1	31,808
2024	88.5	32,304
2025	89.9	32,808

<sup>1</sup> The fiscal year runs from September to August.

<sup>2</sup> Averaged over 365 days per year.

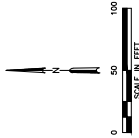
As shown below, the average population equivalent using the above projected maximum waste acceptance rates varies from 33,800 persons to 35,960 persons. As the transfer station Service Area conditions change, adjustments to the service area population may occur. The population equivalent of the areas served was calculated as follows:

$$\frac{(84.5 \text{ tons/day})(2,000 \text{ lbs/ton})}{(5 \text{ lbs/person/day})} = 33,800 \text{ persons}$$

$$\frac{(89.9 \text{ tons/day})(2,000 \text{ lbs/ton})}{(5 \text{ lbs/person/day})} = 35,960 \text{ persons}$$

A maximum of 1,100 tons of waste can be processed, transferred, and stored at the facility within the enclosed building. The maximum and average lengths of time that solid waste and recyclables will remain at the facility are 72 hours and 24 hours, respectively. Solid waste and recyclables will not be stored overnight at the facility except for extenuating circumstances such as inclement weather or mechanical breakdown. Non-stored wastes will be transported daily to a permitted landfill.





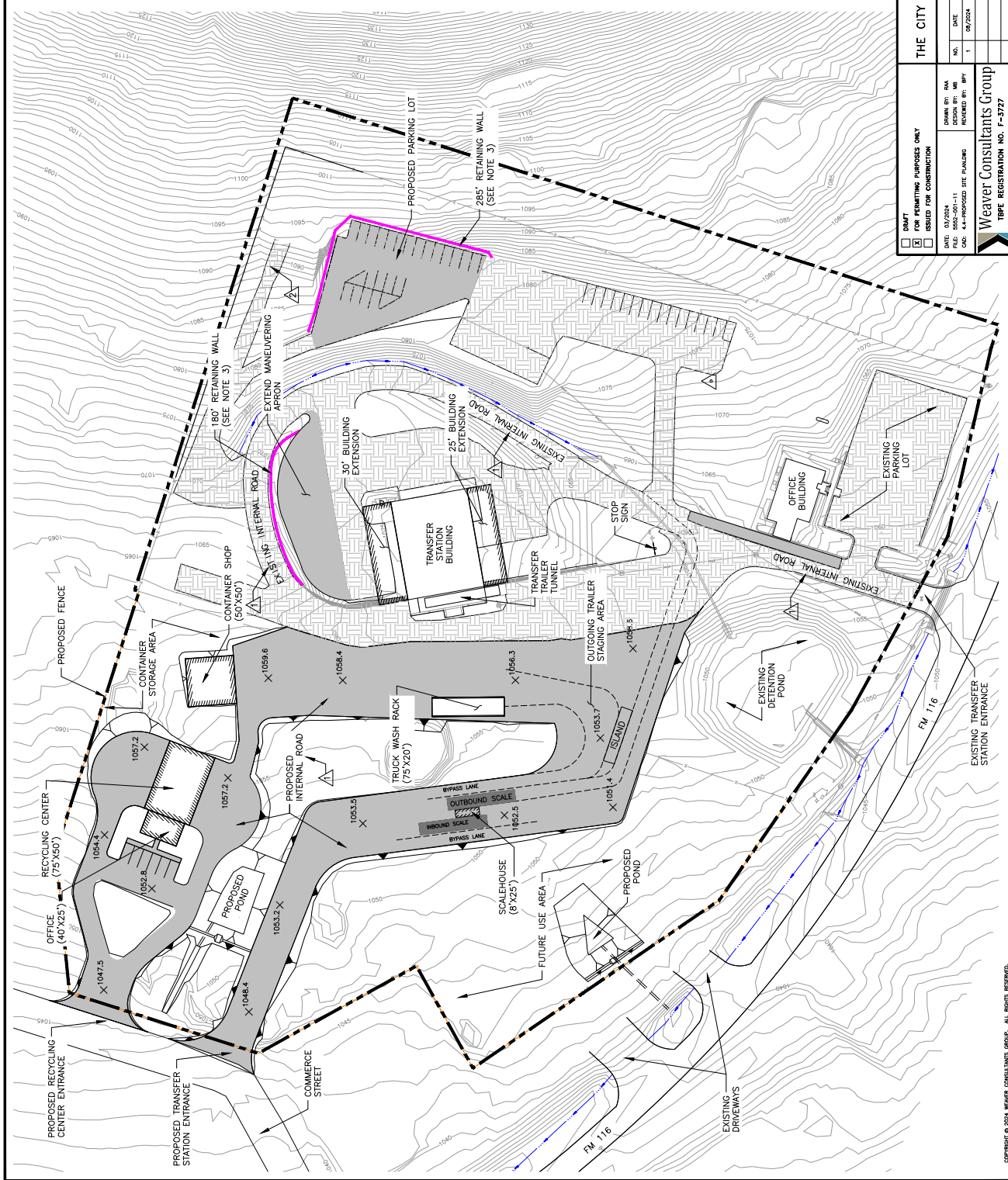
- LEGEND**
- PERMIT BOUNDARY
  - EXISTING CONTOUR (SEE NOTE 1)
  - PROPOSED RETAINING WALL (SEE NOTE 2)
  - PROPOSED PAVEMENT SURFACING
  - EXISTING INTERNAL ROADWAY
  - CHANNEL
  - SPOT ELEVATION  
x 1056.3
  - SITE BENCHMARK
  - INDICATES REVISION  
(SEE LIST OF REVISIONS)

**NOTES:**

1. EXISTING CONTOURS AND ELEVATIONS BASED ON A FIELD SURVEY PERFORMED BY WEAVER CONSULTANTS GROUP, LLC ON JULY 5, 2022 TO JULY 8, 2022, AND GIS DATA PROVIDED BY TEXAS NATURAL RESOURCES INFORMATION SYSTEM, DATED 2020.
2. THE PROPOSED RETAINING WALLS VARIES FROM 2 TO 15 FEET IN HEIGHT.

BENCHMARK INFORMATION		
NORTHING	EASTING	ELEVATION (FT-MSL)
10370871.91	3056064.70	1073.54

- LIST OF REVISIONS:**
1. ADDED ROADWAY CALLOUTS.
  2. ADDED HATCH FOR EXISTING INTERNAL ROADWAYS.



**PREPARED FOR**  
THE CITY OF COPPERAS COVE

**DATE:** 03/20/24  
**SCALE:** 1/4" = 1'-0"  
**DATE:** 08/20/24  
**SCALE:** 1/4" = 1'-0"

**PROJECT:** TYPE V PERMIT APPLICATION PROPOSED SITE PLAN  
**CITY:** CITY OF COPPERAS COVE, TRANSFER STATION  
**COUNTY:** CORVELL COUNTY, TEXAS

**WEAVER CONSULTANTS GROUP**  
TBE REGISTRATION NO. F-3727

**TYPE V PERMIT APPLICATION  
PROPOSED SITE PLAN**

**CITY OF COPPERAS COVE, TRANSFER STATION  
CORVELL COUNTY, TEXAS**

**WWW.WCGRP.COM**      **FIGURE 1/II-4.4**

**CITY OF COPPERAS COVE TRANSFER STATION  
CORYELL COUNTY, TEXAS  
TCEQ PERMIT NO. MSW-2422  
TYPE V PERMIT APPLICATION**

**PART III  
SITE DEVELOPMENT PLAN**

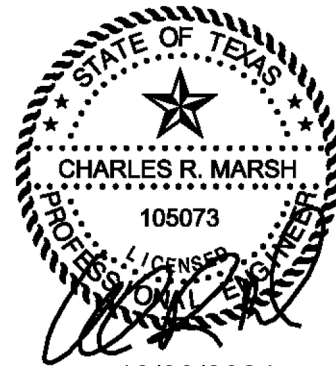
Prepared for

The City of Copperas Cove

April 2024

Revised July 2024

Revised September 2024



Prepared by

10/03/2024

**Weaver Consultants Group, LLC**  
TBPE Registration No. F-3727  
6420 Southwest Blvd., Suite 206  
Fort Worth, Texas 76109  
817-735-9770

WCG Project No. 5552-001-11-00

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## 2 GENERAL FACILITY DESIGN

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### 2.1 Facility Access

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

Vehicles bound for the City of Copperas Cove TS will access the TS facility via an existing entrance from FM 116 and two driveways on Commerce Street. The FM 116 entrance will only be used by employees, visitors, and city-owned waste hauling trucks. The two new driveways proposed to be constructed off of Commerce Street as a part of this project will be used by MSW and recyclable material haulers, including private citizens. U.S. Highway 190, FM 116, FM 3048, and Commerce Street are other access roads within one mile of the site. U.S. Highway 190, FM 116, FM 3048 and Commerce Street are public roads maintained by the City of Copperas Cove and TxDOT.

As noted in Parts I/II, in Section 8, and in the Traffic Study included in Appendix I/IIA, the site access roads will provide adequate access to the site throughout the life of the facility.

In accordance with §330.61(i)(4), TxDOT was contacted to determine if any traffic or location restrictions apply to the facility. Improvements to FM 116 will be constructed and accepted by TxDOT before any proposed improvements to the facility can accept waste.

#### 2.1.2 Fences and Access Control §330.63(b)(1)

Vehicle access to the TS facility will be controlled by the scalehouse attendant during operating hours. Outside operating hours, the inbound access will be controlled by gates located at **all entrances to the facility** ~~the facility entrance~~. As shown on Figures IIIA-1 and IIIA-2 in Appendix IIIA, access to the site at points other than the entry gate is prevented by a 6-foot high chain link or barbed wire fence and natural barriers (including tree lines along the west, east, and north boundaries) located around the perimeter of the TS site in a manner so as to prevent the entry of livestock, to protect the public from exposure to potential health and safety hazards, and to discourage unauthorized entry or uncontrolled disposal of solid waste or hazardous materials.

City of Copperas Cove's policy will restrict entry to the site only to designated site operations personnel, solid waste haulers authorized to use the facility, TCEQ personnel, and properly identified persons whose entry is authorized by City of Copperas Cove's Solid Waste employees. City of Copperas Cove's reserves the right



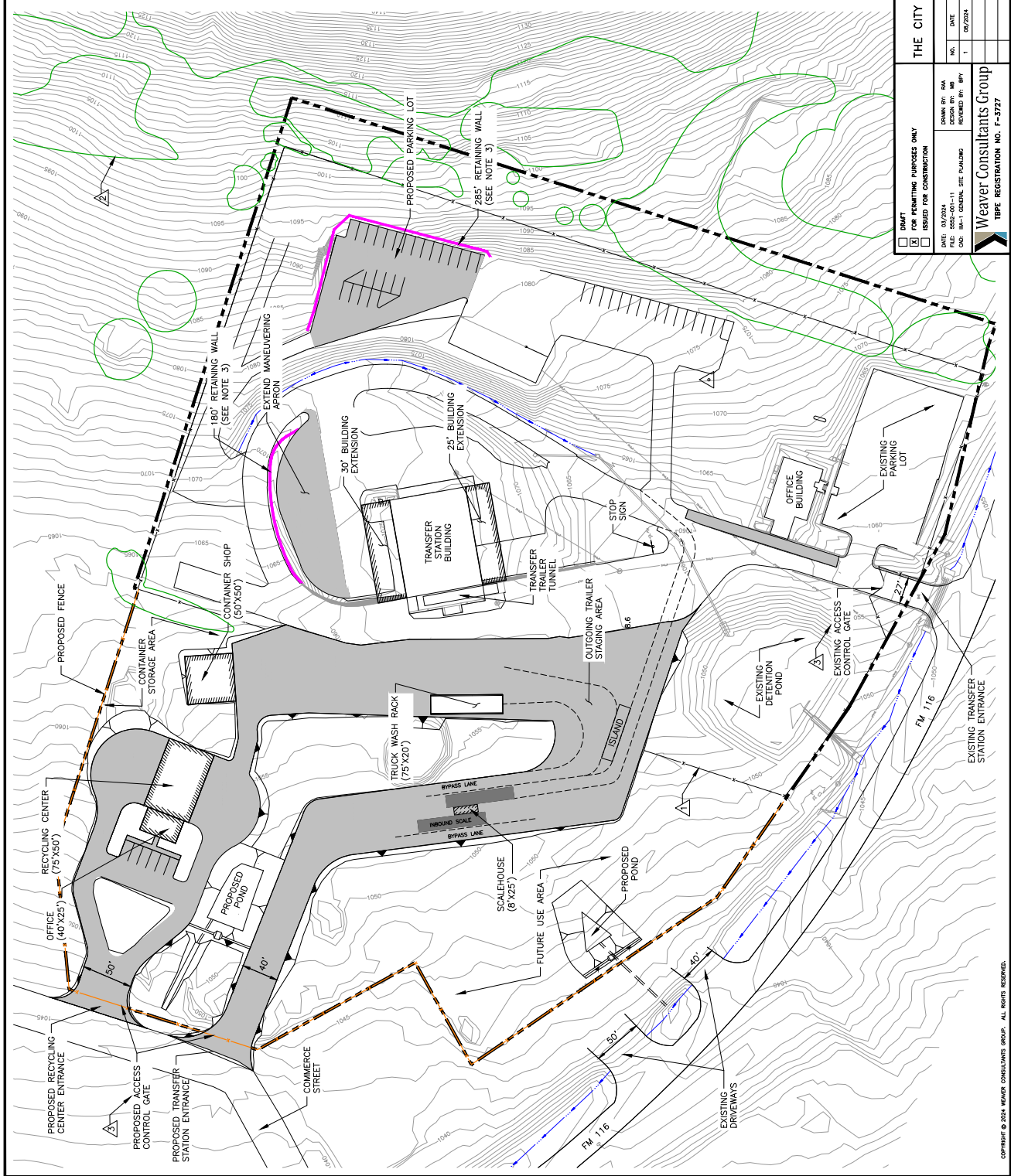
- LEGEND**
- PERMIT BOUNDARY
  - EXISTING CONTOUR (SEE NOTE 1)
  - PROPOSED RETAINING WALL (SEE NOTE 2)
  - PROPOSED PAVEMENT SURFACING
  - CHANNEL
  - SPOT ELEVATION  
x 1056.3
  - EXISTING FENCE
  - PROPOSED FENCE
  - SITE BENCHMARK
  - EXISTING TREES
  - INDICATES REVISION (SEE LIST OF REVISIONS)

**NOTES:**

- EXISTING CONTOURS AND ELEVATIONS BASED ON A FIELD SURVEY PERFORMED BY WEAVER CONSULTANTS GROUP, LLC ON JULY 5, 2022 TO JULY 8, 2022, AND GIS DATA PROVIDED BY TEXAS NATURAL RESOURCES INFORMATION SYSTEM, DATED 2020.
- THE PROPOSED RETAINING WALLS VARIES FROM 2 TO 15 FEET IN HEIGHT.

BENCHMARK INFORMATION		
NORTHING	EASTING	ELEVATION (FT-MSL)
10370871.91	3068064.70	1073.54

- LIST OF REVISIONS:**
- EMPHASIZED EXISTING FENCE.
  - ADDED NATURAL BARRIERS.
  - ADDED ACCESS CONTROL CALLOUTS.



**WEAVER CONSULTANTS GROUP**  
TBE REGISTRATION NO. F-3727

**THE CITY OF COPPERAS COVE**

**TYPE V PERMIT APPLICATION GENERAL SITE PLAN**

CITY OF COPPERAS COVE, TRANSFER STATION  
CORVELL COUNTY, TEXAS

WWW.WCGRP.COM      **FIGURE IIIA-1**

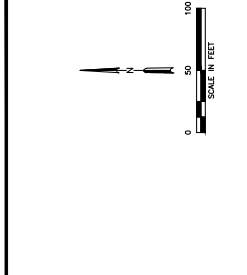
NO.	DATE	REVISIONS
1	09/2024	SEE LIST OF REVISIONS

DATE: 03/2024  
DRAWN BY: RAA  
CHECKED BY: BPT  
DATE: 03/2024  
SCALE: 1/8"=1'-0"  
JOB: W-1 GENERAL SITE PLAN

**PREPARED FOR:**

PART FOR PERMITTING PURPOSES ONLY  
 ASBID FOR CONSTRUCTION

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- LEGEND**
- PERMIT BOUNDARY (SEE NOTE 1)
  - EXISTING CONTOUR (SEE NOTE 2)
  - PROPOSED RETAINING WALL (SEE NOTE 3)
  - PROPOSED PAVEMENT SURFACING CHANNEL
  - TRANSFER TRAILER ROUTE
  - ROUTE TRUCK/UNLOADING ROUTE
  - RECYCLING CENTER ROUTE
  - EXISTING SEWER LINE AND MANHOLE
  - EXISTING FENCE
  - PROPOSED FENCE
  - EXISTING TREES
  - INDICATES REVISION (SEE LIST OF REVISIONS)

- NOTES:**
1. THE PERMIT BOUNDARY IS REPRODUCED FROM A LEGAL DESCRIPTION PROVIDED BY WEAVER CONSULTANTS GROUP AND QUINTERO ENGINEERING ON JUNE 19, 2023 AND MARCH 10, 2023 RESPECTIVELY.
  2. EXISTING CONTOURS AND ELEVATIONS BASED ON A FIELD SURVEY PERFORMED BY WEAVER CONSULTANTS GROUP, LLC ON JULY 5, 2022 TO JULY 8, 2022 AND GIS DATA PROVIDED BY TEXAS NATURAL RESOURCES INFORMATION SYSTEM, DATED 2020.
  3. THE PROPOSED RETAINING WALLS VARY FROM 2 TO 15 FEET IN HEIGHT. ALL WASTE ACCEPTED AT THE FACILITY WILL BE STORED AND PROCESSED IN THE TRANSFER STATION BUILDING.
  5. NO SOLID WASTE OPERATIONS WILL OCCUR WITHIN ANY EASEMENT, BUFFER ZONE, OR RIGHT-OF-WAY.
  6. WASTE TRANSFER OPERATIONS WILL OCCUR INSIDE THE TRANSFER STATION BUILDING. WATER THAT COMES INTO CONTACT WITH OPERATIONS INSIDE THE BUILDING WILL BE DISCHARGED TO THE CITY OF COPPERAS COVE. CONTACT WITH WASTE TRANSFER OPERATIONS WILL BE DISCHARGED IN ACCORDANCE WITH THE SITES SWPPP.

- LIST OF REVISIONS:**
1. EMPHASIZED EXISTING FENCE.
  2. ADDED NATURAL BARRIERS.
  3. ADDED ACCESS CONTROL CALLOUTS.

STATE OF TEXAS  
 CHARLES R. MARSH  
 105073  
 10/03/2024

DATE: 03/20/24  
 DRAWN BY: JAW  
 CHECKED BY: JAW  
 DATE: 03/20/24  
 DATE: 03/20/24  
 DATE: 03/20/24

WEAVER CONSULTANTS GROUP  
 TYPE REGISTRATION NO. T-3727

THE CITY OF COPPERAS COVE  
 TYPE V PERMIT APPLICATION  
 TRANSFER AREA SITE PLAN  
 CITY OF COPPERAS COVE TRANSFER STATION  
 CORVELL, TEXAS

WWW.WCGRP.COM  
 FIGURE IIIA-2

PROPOSED RECYCLING CENTER ENTRANCE  
 PROPOSED ACCESS CONTROL GATE  
 PROPOSED TRANSFER STATION ENTRANCE  
 OFFICE (40'X368')

RECYCLING CENTER (75'X50')

CONTAINER SHOP (50'X50')

TRANSFER TRAILER TUNNEL  
 TRUCK WASH RACK (75'X20')

TRANSFER STATION BUILDING  
 30' BUILDING EXTENSION  
 24' BUILDING EXTENSION

EXISTING DETENTION POND  
 EXISTING ACCESS CONTROL GATE  
 EXISTING PARKING LOT  
 EXISTING DRIVEWAYS

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**CITY OF COPPERAS COVE TRANSFER STATION  
CORYELL COUNTY, TEXAS  
TCEQ PERMIT NO. MSW-2422  
TYPE V PERMIT APPLICATION**

**PART IV  
SITE OPERATING PLAN**

Prepared for

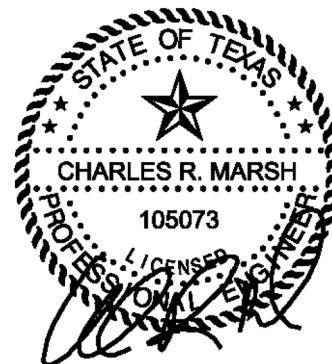
The City of Copperas Cove

April 2024

Revised June 2024

Revised July 2024

Revised September 2024



Prepared by

10/03/2024

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TBPE Registration No. F-3727  
6420 Southwest Boulevard, Suite 206  
Fort Worth, Texas 76109  
817-735-9770

WCG Project No. 5552-001-11-00-05

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stored on the tipping floor in an emergency. Under normal operations, the tipping floor will be cleared at the end of the work day and all waste will be loaded into the two trailers which are picked up within twenty four hours. This tonnage refers to the waste stored on the tipping floor and does not include recyclables. The maximum length of time MSW will remain within the TS building is 72 hours and the average length of time is 24 hours or less. Solid waste will not be stored overnight at the facility except for extenuating emergency situations such as inclement weather or mechanical breakdown. The maximum length of time recyclables will remain within the Recycling Center is 72 hours and the average length of time is 24 hours or less.

The intended destination of the solid waste generated by the facility is a permitted MSW landfill. The destination of the liquids generated by the facility (e.g., washdown water) is to the City of Copperas Cove sanitary sewer system.

### 2.3 Facility-Generated Wastes (§330.205 (b), (c), (d), and §330.203(c)(2))

Wastes generated by the transfer station will be processed or disposed at an authorized solid waste management facility. The only solid wastes generated onsite are typical office wastes. It is not anticipated that any solid wastes will be generated at the facility that cannot be properly handled.

Wastewater generated by the transfer station from managing the waste, cleaning and washing, and bathroom facilities will be managed in accordance with §330.207, Contaminated Water Management. The intended destination of the liquid wastes generated by the facility is the City of Copperas Cove sanitary sewer system.

Sludges, grit or wastes from the grease traps will not be accepted by the transfer station.

### 2.4 Recover Materials

An estimated 10-15% of the total incoming waste is currently diverted for recovery during transfer station operations. The following table provides a general estimate of recovered materials by type.

Material	Amount (tons)
Yard Waste	1500
Scrap Metal	125
HDPE	5
OCC	15
Tires	25
Single Stream Recycling	1500

Once the proposed Recycling Center is constructed, the estimated amount of recyclable material is anticipated to increase to 20% to 25% of the total incoming waste stream. Recyclable material will be stored in the Recycling Center in quantities small enough to not interfere with the safety or operation of the facility.

## **4 STORAGE REQUIREMENTS (30 TAC §330.209, §330.211 AND §330.213)**

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### **4.1 Solid Waste Storage (§330.209(a) and (b))**

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 (except for white goods and tires) shall be contained within the tipping area. The tipping area is located inside the building and sized to contain the solid wastes delivered and transferred daily.

Except in emergencies, all solid waste will be removed from the tipping floor by the end of the workday and stored in covered trailers specifically designed for transporting solid waste until transported to the permitted disposal site by the hauler. Empty trailers being stored on site will be maintained in a clean condition so that they do not constitute a nuisance and to retard the harborage, feeding, and propagation of vectors. All material storage areas will be inspected weekly for ponding water and the harborage of vectors. Any ponded water will be promptly removed. Vectors will be discouraged by maintaining a clean and neat area, and by removal of items once sufficient quantities are accumulated to warrant off-site transport.

Recyclable materials will be stored in a segregated area of the transfer station floor until construction of the recycling center is completed. Upon completion, recyclable materials will be stored within the recycling center. Recyclable materials will be stored in the Recycling Center in quantities small enough to not interfere with the safety or operation of the facility.

### **4.2 Approved Containers (§330.211)**

Solid waste that is received containing food wastes will be placed in the transfer building. The receiving area and transfer trailers will be maintained in a clean condition so as to not constitute a nuisance and retards the harborage, feeding, and propagation of vectors.

No food waste will be stored outside the building.

The transfer trailers are designed to prevent spillage or leakage during storage, handling, or transport.

Recyclables will be stored in labelled drop-off boxes, bins, or other suitable containers.

### **4.3 Self-Haul Area (§§330.209(b) and 330.213)**

There is not a MSW citizen collection station proposed, therefore there are no separate container requirements. The recycling center and TS building have locations for self-haul vehicles to safely unload waste and recyclables for processing.



**ATTACHMENT 3**  
**REVISION PAGES**  
**(CLEAN FORMAT)**

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CORYELL COUNTY, TEXAS  
TCEQ PERMIT NO. MSW-2422  
TYPE V PERMIT APPLICATION  
PARTS I/II  
GENERAL APPLICATION REQUIREMENTS**

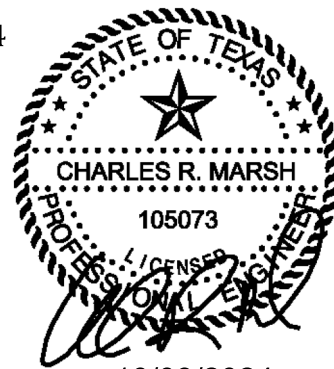
Prepared for

The City of Copperas Cove

April 2024  
Revised July 2024

Revised September 2024

Prepared by



10/03/2024

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WCG Project No. 5552-001-11-00

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<sup>1</sup> The fiscal year runs from September to August.

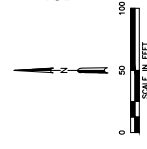
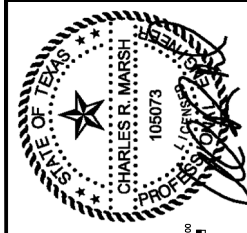
<sup>2</sup> Averaged over 365 days per year.

As shown below, the average population equivalent using the above projected maximum waste acceptance rates varies from 33,800 persons to 35,960 persons. As the transfer station Service Area conditions change, adjustments to the service area population may occur. The population equivalent of the areas served was calculated as follows:

$$\frac{(84.5 \text{ tons/day})(2,000 \text{ lbs/ton})}{(5 \text{ lbs/person/day})} = 33,800 \text{ persons}$$

$$\frac{(89.9 \text{ tons/day})(2,000 \text{ lbs/ton})}{(5 \text{ lbs/person/day})} = 35,960 \text{ persons}$$

A maximum of 1,100 tons of waste can be processed, transferred, and stored at the facility within the enclosed building. The maximum and average lengths of time that solid waste and recyclables will remain at the facility are 72 hours and 24 hours, respectively. Solid waste and recyclables will not be stored overnight at the facility except for extenuating circumstances such as inclement weather or mechanical breakdown. Non-stored wastes will be transported daily to a permitted landfill.

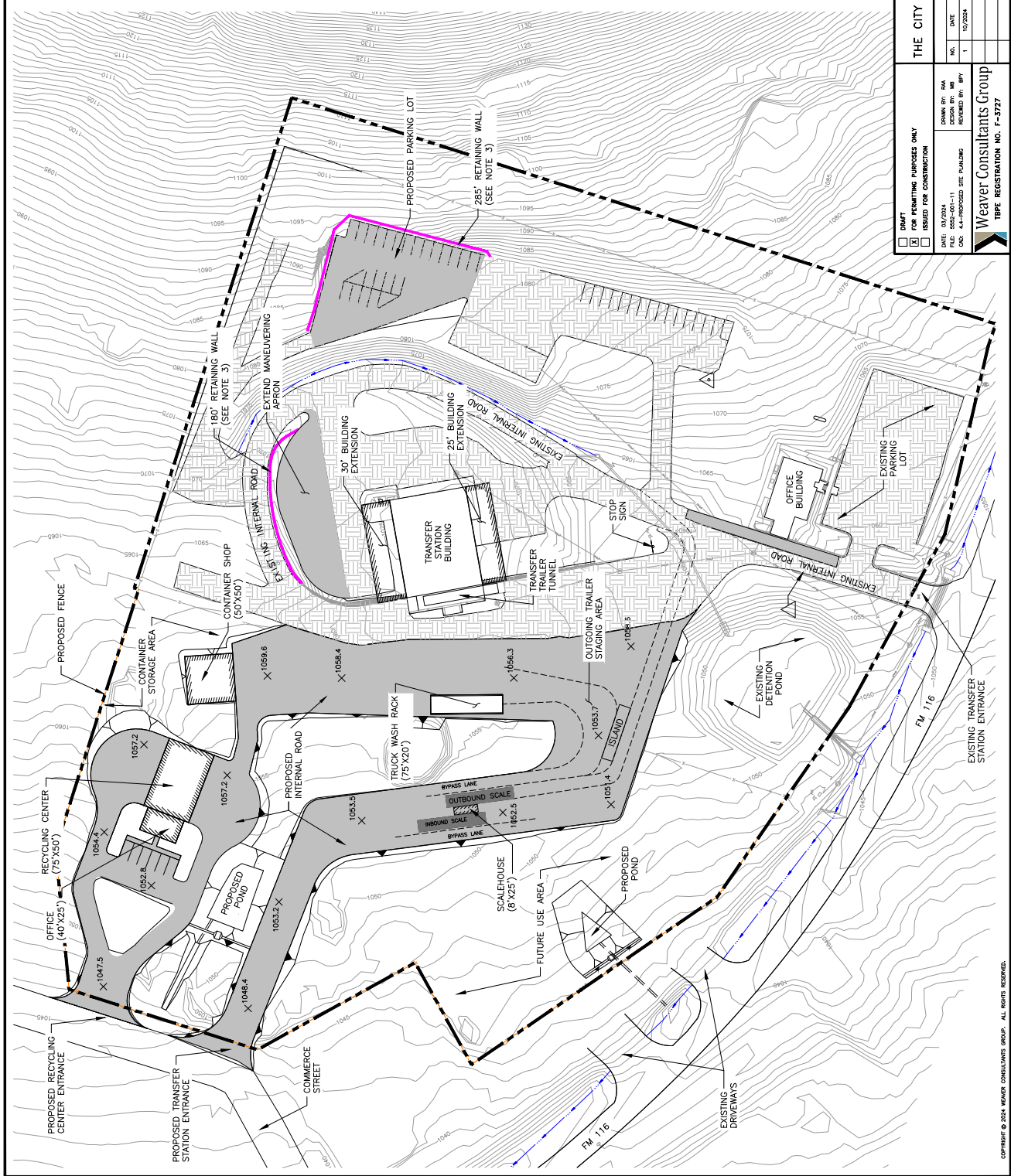


- LEGEND**
- PERMIT BOUNDARY
  - EXISTING CONTOUR (SEE NOTE 1)
  - PROPOSED RETAINING WALL (SEE NOTE 2)
  - PROPOSED PAVEMENT SURFACING
  - EXISTING INTERNAL ROADWAY
  - CHANNEL
  - SPOT ELEVATION x 1056.3
  - SITE BENCHMARK

**NOTES:**

- EXISTING CONTOURS AND ELEVATIONS BASED ON A FIELD SURVEY PERFORMED BY WEAVER CONSULTANTS GROUP, LLC ON JULY 5, 2022 TO JULY 8, 2022 AND GIS DATA PROVIDED BY TEXAS NATURAL RESOURCES INFORMATION SYSTEM, DATED 2020.
- THE PROPOSED RETAINING WALLS VARIES FROM 2 TO 15 FEET IN HEIGHT.

BENCHMARK INFORMATION		
NORTHING	EASTING	ELEVATION (FT-MSL)
10370871.91	3056064.70	1073.54



**WEAVER CONSULTANTS GROUP**  
 TBPB REGISTRATION NO. F-3727

**THE CITY OF COPPERAS COVE**

PREPARED FOR: THE CITY OF COPPERAS COVE

PROJECT: TYPE V PERMIT APPLICATION PROPOSED SITE PLAN

LOCATION: CITY OF COPPERAS COVE, TRANSFER STATION, CORVELL COUNTY, TEXAS

DATE: 10/20/24

SCALE: 1" = 40'

DESIGNED BY: [Name]

CHECKED BY: [Name]

DATE: 10/20/24

SCALE: 1" = 40'

PROJECT NO.: [Number]

DATE: 10/20/24

SCALE: 1" = 40'

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**CITY OF COPPERAS COVE TRANSFER STATION  
CORYELL COUNTY, TEXAS  
TCEQ PERMIT NO. MSW-2422  
TYPE V PERMIT APPLICATION**

**PART III  
SITE DEVELOPMENT PLAN**

Prepared for

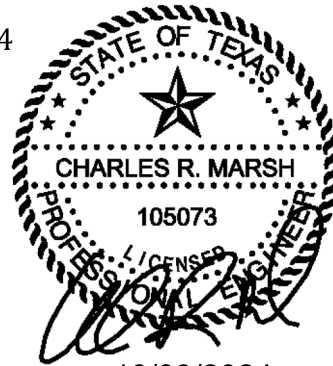
The City of Copperas Cove

April 2024

Revised July 2024

Revised September 2024

Prepared by



10/03/2024

**Weaver Consultants Group, LLC**  
TBPE Registration No. F-3727  
6420 Southwest Blvd., Suite 206  
Fort Worth, Texas 76109  
817-735-9770

WCG Project No. 5552-001-11-00

This document is issued for permitting purposes only.

## 2 GENERAL FACILITY DESIGN

---

### 2.1 Facility Access

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

Vehicles bound for the City of Copperas Cove TS will access the TS facility via an existing entrance from FM 116 and two driveways on Commerce Street. The FM 116 entrance will only be used by employees, visitors, and city-owned waste hauling trucks. The two new driveways proposed to be constructed off of Commerce Street as a part of this project will be used by MSW and recyclable material haulers, including private citizens. U.S. Highway 190, FM 116, FM 3048, and Commerce Street are other access roads within one mile of the site. U.S. Highway 190, FM 116, FM 3048 and Commerce Street are public roads maintained by the City of Copperas Cove and TxDOT.

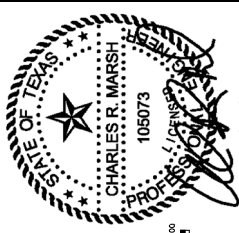
As noted in Parts I/II, in Section 8, and in the Traffic Study included in Appendix I/IIA, the site access roads will provide adequate access to the site throughout the life of the facility.

In accordance with §330.61(i)(4), TxDOT was contacted to determine if any traffic or location restrictions apply to the facility. Improvements to FM 116 will be constructed and accepted by TxDOT before any proposed improvements to the facility can accept waste.

#### 2.1.2 Fences and Access Control §330.63(b)(1)

Vehicle access to the TS facility will be controlled by the scalehouse attendant during operating hours. Outside operating hours, the inbound access will be controlled by gates located at all entrances to the facility. As shown on Figures IIIA-1 and IIIA-2 in Appendix IIIA, access to the site at points other than the entry gate is prevented by a 6-foot high chain link or barbed wire fence and natural barriers (including tree lines along the west, east, and north boundaries) located around the perimeter of the TS site in a manner so as to prevent the entry of livestock, to protect the public from exposure to potential health and safety hazards, and to discourage unauthorized entry or uncontrolled disposal of solid waste or hazardous materials.

City of Copperas Cove's policy will restrict entry to the site only to designated site operations personnel, solid waste haulers authorized to use the facility, TCEQ personnel, and properly identified persons whose entry is authorized by City of Copperas Cove's Solid Waste employees. City of Copperas Cove's reserves the right

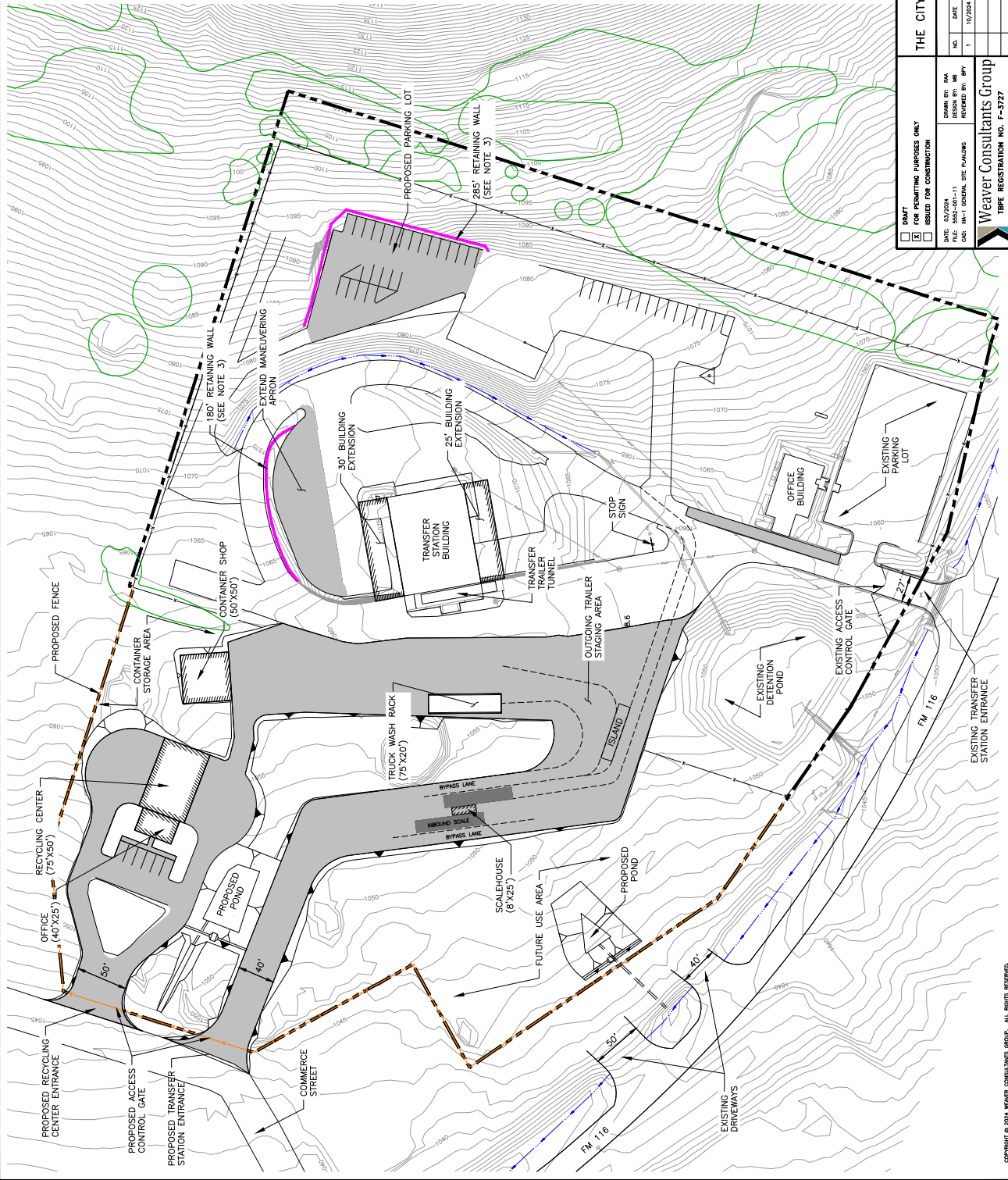


- 10/03/2024
- LEGEND**
- PERMIT BOUNDARY
  - EXISTING CONTOUR (SEE NOTE 1)
  - PROPOSED RETAINING WALL (SEE NOTE 2)
  - PROPOSED PAVEMENT SURFACING
  - CHANNEL
  - SPOT ELEVATION
  - EXISTING FENCE
  - PROPOSED FENCE
  - SITE BENCHMARK
  - EXISTING TREES

**NOTES:**

- EXISTING CONTOURS AND ELEVATIONS BASED ON A FIELD SURVEY PERFORMED BY WEAVER CONSULTANTS GROUP, LLC ON JULY 5, 2022 TO JULY 8, 2022, AND GIS DATA PROVIDED BY TEXAS NATURAL RESOURCES INFORMATION SYSTEM, DATED 2020.
- THE PROPOSED RETAINING WALLS VARIES FROM 2 TO 15 FEET IN HEIGHT.

BENCHMARK INFORMATION		
NORTHING	EASTING	ELEVATION (FT-MSL)
10370871.91	3058064.70	1073.54



**WEAVER CONSULTANTS GROUP**  
TPE REGISTRATION NO. F-3727

**THE CITY OF COPPERAS COVE**

DATE: 03/2024  
DRAWN BY: HAA  
CHECKED BY: BPT  
DATE: 10/2024  
REVISIONS

NO.	DATE	DESCRIPTION
1	10/2024	PERMIT MODIFICATION

**TYPE V PERMIT APPLICATION GENERAL SITE PLAN**

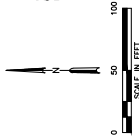
CITY OF COPPERAS COVE, TRANSFER STATION  
CORVELL COUNTY, TEXAS

WWW.WCGRP.COM      **FIGURE IIIA-1**





10/03/2024

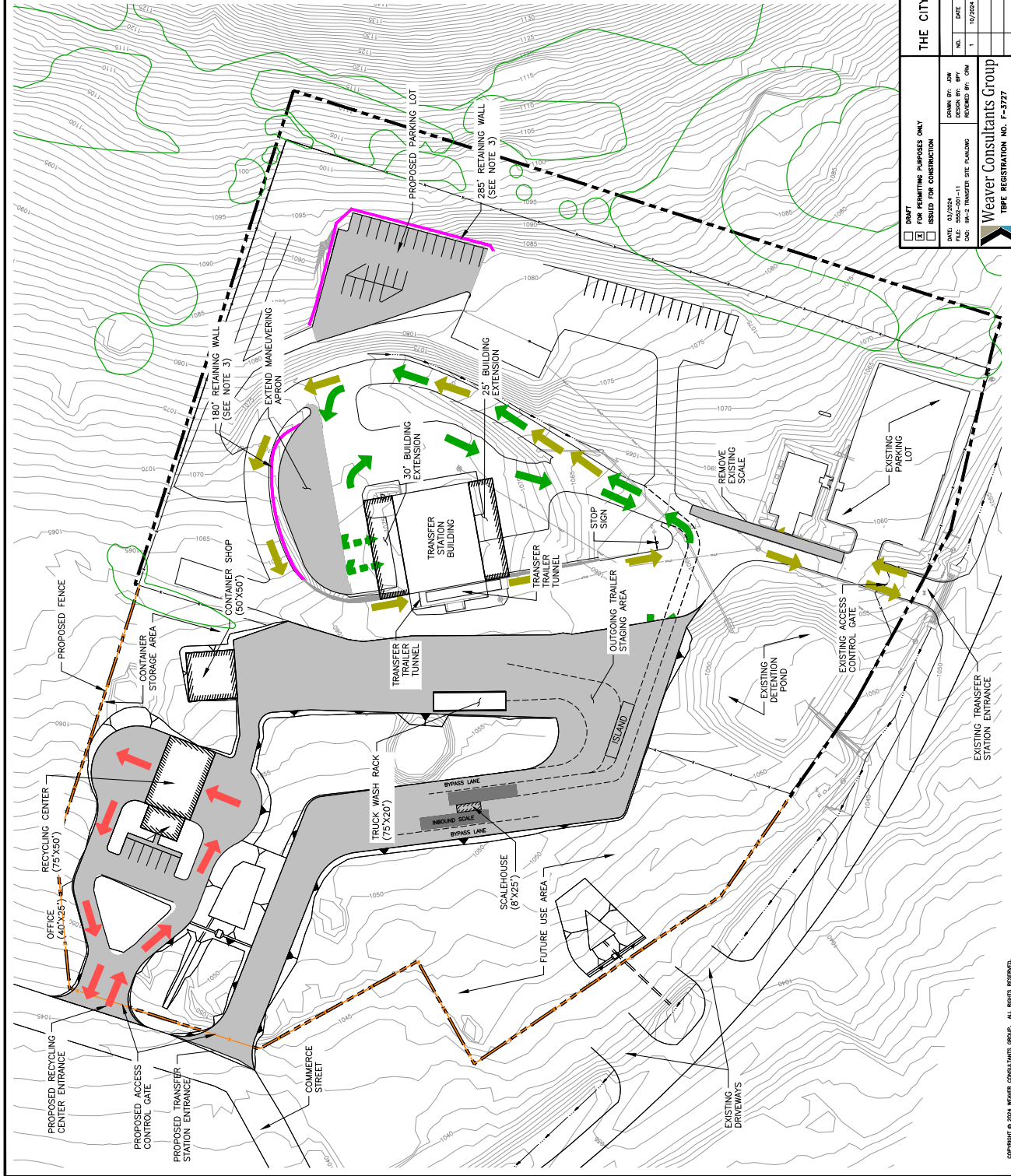


**LEGEND**

- PERMIT BOUNDARY (SEE NOTE 1)
- EXISTING CONTOUR (SEE NOTE 2)
- PROPOSED RETAINING WALL (SEE NOTE 3)
- PROPOSED PAVEMENT SURFACING
- CHANNEL
- TRANSFER TRAILER ROUTE
- ROUTE TRUCK/UNLOADING ROUTE
- RECYCLING CENTER ROUTE
- EXISTING SEWER LINE AND MANHOLE
- EXISTING FENCE
- PROPOSED FENCE
- EXISTING TREES

**NOTES:**

1. THE PERMIT BOUNDARY IS REPRODUCED FROM A LEGAL DESCRIPTION PROVIDED BY WEAVER CONSULTANTS GROUP AND QUINTERO ENGINEERING ON JUNE 19, 2023 AND MARCH 10, 2023 RESPECTIVELY.
2. EXISTING CONTOURS AND ELEVATIONS BASED ON A FIELD SURVEY PERFORMED BY WEAVER CONSULTANTS GROUP, LLC ON JULY 5, 2022 TO JULY 8, 2022 AND GIS DATA PROVIDED BY TEXAS NATURAL RESOURCES INFORMATION SYSTEM, DATED 2020.
3. THE PROPOSED RETAINING WALLS VARY FROM 2 TO 15 FEET IN HEIGHT.
4. ALL WASTE ACCEPTED AT THE FACILITY WILL BE STORED AND PROCESSED IN THE TRANSFER STATION BUILDING.
5. NO SOLID WASTE OPERATIONS WILL OCCUR WITHIN ANY EASEMENT, BUFFER ZONE, OR RIGHT-OF-WAY.
6. WASTE TRANSFER OPERATIONS WILL OCCUR INSIDE THE TRANSFER STATION BUILDING. WATER THAT COMES INTO CONTACT WITH OPERATIONS INSIDE THE BUILDING WILL BE DISCHARGED TO THE CITY OF COPPERAS COVE. CONTACT WITH WASTE TRANSFER OPERATIONS WILL BE DISCHARGED IN ACCORDANCE WITH THE SITES SWPPP.



**WEAVER CONSULTANTS GROUP**  
TBE REGISTRATION NO. F-3727

**THE CITY OF COPPERAS COVE**

NO.	DATE	DESCRIPTION
1	10/20/24	PERMIT APPLICATION

DATE: 03/20/24  
DRAWN BY: JRM  
CHECKED BY: CM  
DATE: 03/20/24  
SCALE: 1/8"=1'-0" TRANSFER SITE PLAN

PREPARED FOR: THE CITY OF COPPERAS COVE

**TYPE V PERMIT APPLICATION**  
**TRANSFER AREA SITE PLAN**  
CITY OF COPPERAS COVE TRANSFER STATION  
CORVELL, TEXAS

WWW.WGRP.COM      **FIGURE IIIA-2**

**CITY OF COPPERAS COVE TRANSFER STATION  
CORYELL COUNTY, TEXAS  
TCEQ PERMIT NO. MSW-2422  
TYPE V PERMIT APPLICATION**

**PART IV  
SITE OPERATING PLAN**

Prepared for

The City of Copperas Cove

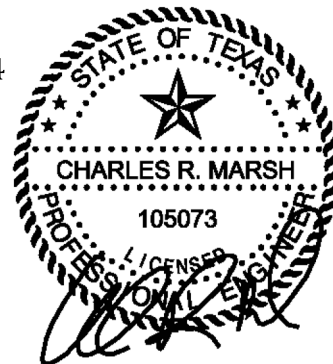
April 2024

Revised June 2024

Revised July 2024

Revised September 2024

Prepared by



10/03/2024

**Weaver Consultants Group, LLC**  
TBPE Registration No. F-3727  
6420 Southwest Boulevard, Suite 206  
Fort Worth, Texas 76109  
817-735-9770

WCG Project No. 5552-001-11-00-05

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stored on the tipping floor in an emergency. Under normal operations, the tipping floor will be cleared at the end of the work day and all waste will be loaded into the two trailers which are picked up within twenty four hours. This tonnage refers to the waste stored on the tipping floor and does not include recyclables. The maximum length of time MSW will remain within the TS building is 72 hours and the average length of time is 24 hours or less. Solid waste will not be stored overnight at the facility except for extenuating emergency situations such as inclement weather or mechanical breakdown. The maximum length of time recyclables will remain within the Recycling Center is 72 hours and the average length of time is 24 hours or less.

The intended destination of the solid waste generated by the facility is a permitted MSW landfill. The destination of the liquids generated by the facility (e.g., washdown water) is to the City of Copperas Cove sanitary sewer system.

### **2.3 Facility-Generated Wastes (§330.205 (b), (c), (d), and §330.203(c)(2))**

Wastes generated by the transfer station will be processed or disposed at an authorized solid waste management facility. The only solid wastes generated onsite are typical office wastes. It is not anticipated that any solid wastes will be generated at the facility that cannot be properly handled.

Wastewater generated by the transfer station from managing the waste, cleaning and washing, and bathroom facilities will be managed in accordance with §330.207, Contaminated Water Management. The intended destination of the liquid wastes generated by the facility is the City of Copperas Cove sanitary sewer system.

Sludges, grit or wastes from the grease traps will not be accepted by the transfer station.

### **2.4 Recover Materials**

An estimated 10-15% of the total incoming waste is currently diverted for recovery during transfer station operations. The following table provides a general estimate of recovered materials by type.

<b>Material</b>	<b>Amount (tons)</b>
Yard Waste	1500
Scrap Metal	125
HDPE	5
OCC	15
Tires	25
Single Stream Recycling	1500

Once the proposed Recycling Center is constructed, the estimated amount of recyclable material is anticipated to increase to 20% to 25% of the total incoming waste stream. Recyclable material will be stored in the Recycling Center in quantities small enough to not interfere with the safety or operation of the facility.

## **4 STORAGE REQUIREMENTS (30 TAC §330.209, §330.211 AND §330.213)**

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### **4.1 Solid Waste Storage (§330.209(a) and (b))**

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 (except for white goods and tires) shall be contained within the tipping area. The tipping area is located inside the building and sized to contain the solid wastes delivered and transferred daily.

Except in emergencies, all solid waste will be removed from the tipping floor by the end of the workday and stored in covered trailers specifically designed for transporting solid waste until transported to the permitted disposal site by the hauler. Empty trailers being stored on site will be maintained in a clean condition so that they do not constitute a nuisance and to retard the harborage, feeding, and propagation of vectors. All material storage areas will be inspected weekly for ponding water and the harborage of vectors. Any ponded water will be promptly removed. Vectors will be discouraged by maintaining a clean and neat area, and by removal of items once sufficient quantities are accumulated to warrant off-site transport.

Recyclable materials will be stored in a segregated area of the transfer station floor until construction of the recycling center is completed. Upon completion, recyclable materials will be stored within the recycling center. Recyclable materials will be stored in the Recycling Center in quantities small enough to not interfere with the safety or operation of the facility.

### **4.2 Approved Containers (§330.211)**

Solid waste that is received containing food wastes will be placed in the transfer building. The receiving area and transfer trailers will be maintained in a clean condition so as to not constitute a nuisance and retards the harborage, feeding, and propagation of vectors.

No food waste will be stored outside the building.

The transfer trailers are designed to prevent spillage or leakage during storage, handling, or transport.

Recyclables will be stored in labelled drop-off boxes, bins, or other suitable containers.

### **4.3 Self-Haul Area (§§330.209(b) and 330.213)**

There is not a MSW citizen collection station proposed, therefore there are no separate container requirements. The recycling center and TS building have locations for self-haul vehicles to safely unload waste and recyclables for processing.