



PERMIT AMENDMENT APPLICATION
Part III, Attachment 1

GENERAL FACILITY DESIGN

Edinburg Regional Disposal Facility

Edinburg, Hidalgo County, Texas

TCEQ Permit MSW-956C

Submitted To: City of Edinburg
Department of Solid Waste Management
8601 North Jasman Road
Edinburg, Texas 78541 USA

Submitted By: Golder Associates Inc.
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GOLDER ASSOCIATES INC.
Professional Engineering Firm
Registration Number F-2578

INTENDED FOR PERMITTING
PURPOSES ONLY

Project No. 1401491

July 2017
Revised: November 2017



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1.0 GENERAL FACILITY DESIGN

1.1 Facility Access

30 TAC §§330.63(b)(1) & 330.223(c)

The facility shares and entrance with Type IV Landfill TCEQ Permit MSW-2302 where access to the facility is controlled by a perimeter fence, a composite of either a four-foot barbed wire fence or a six-foot steel-link mesh fence, currently installed around contiguous properties owned by the City. The perimeter fence encompasses the facility permit boundary as well as the Type IV Landfill TCEQ Permit MSW-2302 and landfill facilities to the south and additional City owned properties to the east as depicted on Figure II-16, Facility Entrance Plan. A gate located at the facility entrance is locked by site personnel at the end of the day's operations. Another gate is located on the west side of the facility on Encinitos Road and is locked unless access is needed by site personnel.

1.2 Waste Movement

30 TAC §330.63(b)(2)

Figure III1-1, Waste Movement Flow Diagram and Figure III1-2, Schematic View of Various Waste Disposal, Processing, and Storage Areas illustrate a generalized process design and working plan of the overall facility.

1.2.1 Flow Diagram

30 TAC §330.63(b)(2)(A)

Figure III1-1, Waste Movement Flow Diagram is a flow diagram illustrating storage, processing, and disposal sequences for the types of waste accepted in accordance to Part II, §1.0 Waste Acceptance Plan.

1.2.2 Schematic View Drawings

30 TAC §330.63(b)(2)(B)

Figure III1-2, Schematic View of Various Waste Disposal, Processing, and Storage Areas is a schematic view showing the various phases of collection, separation, processing, and disposal for the types of waste accepted in accordance to the Part II, §1.0 Waste Acceptance Plan. Structures/areas for the gatehouse and scales, citizen collection station, reusable material staging area, and large item salvage and white good storage area is located with the permit boundary of Type IV Landfill TCEQ Permit MSW-2302.

1.2.3 Ventilation and Odor Control

30 TAC §330.63(b)(2)(C)

The facility will follow measures outlined in Part IV, Site Operating Plan §4.14, Odor Management Plan for all storage, separation, processing, and disposal units.

1.2.4 Generalized Construction and Design Details

1.2.4.1 Storage and Processing

30 TAC §330.63(b)(2)(D)

Roll-off waste containers are used for temporary storage for citizen collection, reusable materials, and large item salvage. Roll-off waste containers are prefabricated to industry standards, therefore generalized construction details are not required.

1.2.4.2 Storage and Processing Component Slab and Subsurface Supports

30 TAC §330.63(b)(2)(E)

The foundation of designated areas for citizen collection, reusable materials, and large item salvage as depicted in Figure III1-2, Schematic View of Various Waste Disposal, Processing, and Storage Areas are maintained; no slab and subsurface supports for roll-off waste containers are required.

1.2.4.3 Storage and Processing Component Containment Dikes or Walls

30 TAC §330.63(b)(2)(F)

All storm water is contained within the facility boundary as well as within the Type IV Landfill TCEQ Permit MSW-2302 boundary with no discharge into surface water in the state as a result of any storm event; therefore containment dikes or walls are not required to enclose all storage and processing components and all loading and unloading areas.

1.3 Endangered Species

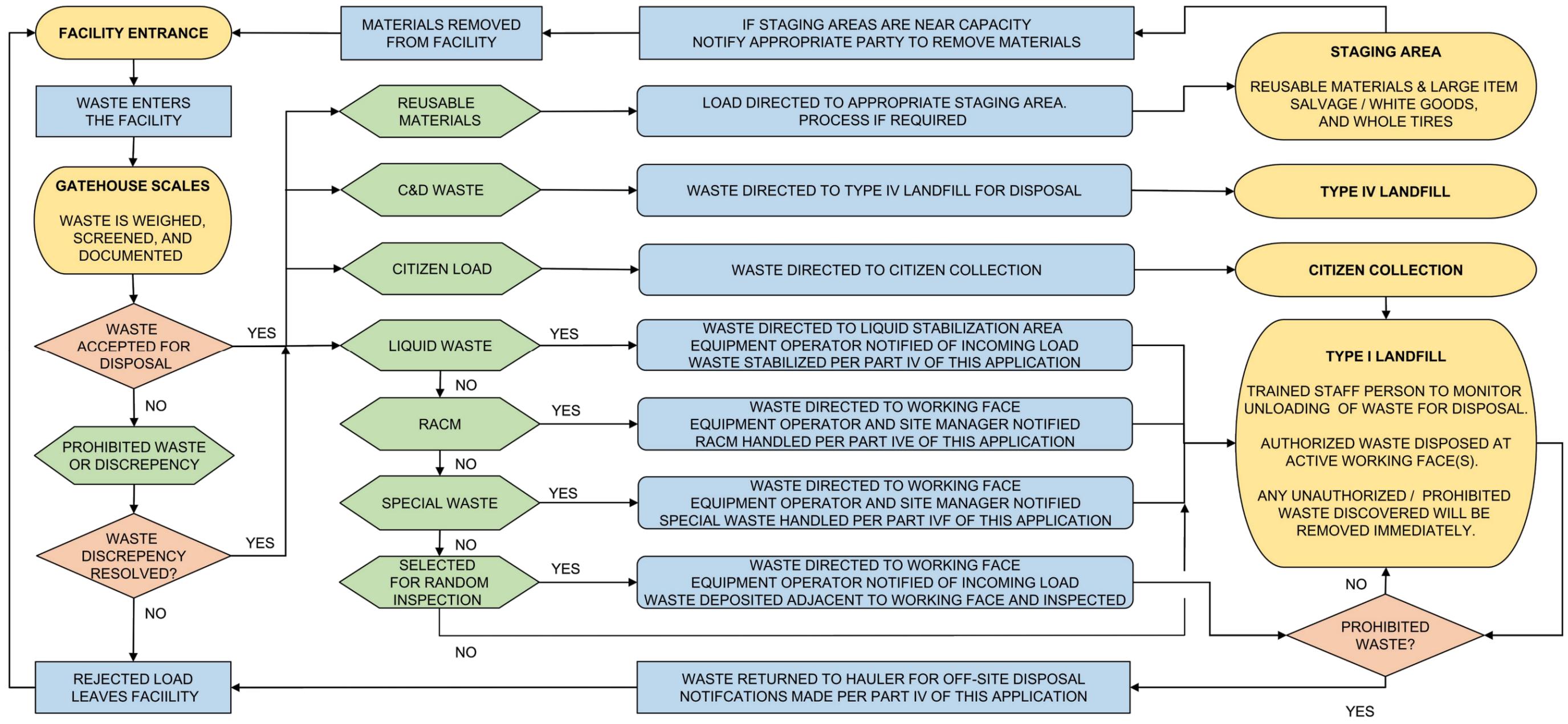
30 TAC §330.63(b)(5)

In response to Texas Parks and Wildlife Department (TPWD) recommendations, the facility will employ best management practices to minimize potential negative impacts to federally-listed and state-listed wildlife to include a “no kill” policy. In addition, the City of Edinburg (City) made an agreement with United States Fish and Wildlife Service (USFWS) to preserve a 200-foot wide corridor of dense native woodland along the northern property boundary established with native vegetation, connecting to the southern property boundary of dense native woodland owned by the City. The facility is designed with the following features to protect endangered species:

- Perimeter fencing, a composite of either a four-foot barbed wire fence or a six-foot chain-link fence, is currently installed around contiguous properties owned by the City. Any four-foot barbed wire fence along the perimeter will be replaced with a six-foot steel-link mesh fence designed to inhibit wildlife from entering project areas.
- Excavations and embankments are to be constructed with side slopes no steeper than 3 feet horizontal to 1 foot vertical to provide an adequate escape for wildlife.

Please refer to Part IIE, Endangered or Threatened Species for response to TPWD recommendations and agreement with USFWS.

- NOTES**
1. PER PREVIOUS TCEQ AUTHORIZATION, SCALEHOUSE IS SHARED BY BOTH THE TYPE I AND TYPE IV LANDFILLS OWNED BY THE CITY OF EDINBURG.
 2. REFER TO FIGURE III-1-2 FOR LOCATION OF STAGING AREA AND CITIZEN COLLECTION.
 3. ACCEPTANCE AND DISPOSAL OF C&D WASTE AT THE ADJACENT TYPE IV LANDFILL IS NOT COVERED BY TCEQ PERMIT MSW-956C.
 4. BRUSH WILL BE DIRECTED TO MULCH AREA CURRENTLY LOCATED OVER PRE-SUBTITLE D UNITS 1-4.



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REV.	YYYY-MM-DD	DESCRIPTION	DESIGNED	PREPARED	REVIEWED	APPROVED
1	2017-11-07	RESPONSE TO TCEQ FIRST NOD	CEI	MGC	JBF	CEI
0	2017-07-21	PERMIT AMENDMENT APPLICATION SUBMITTAL	CEI	TDS	JBF	CEI



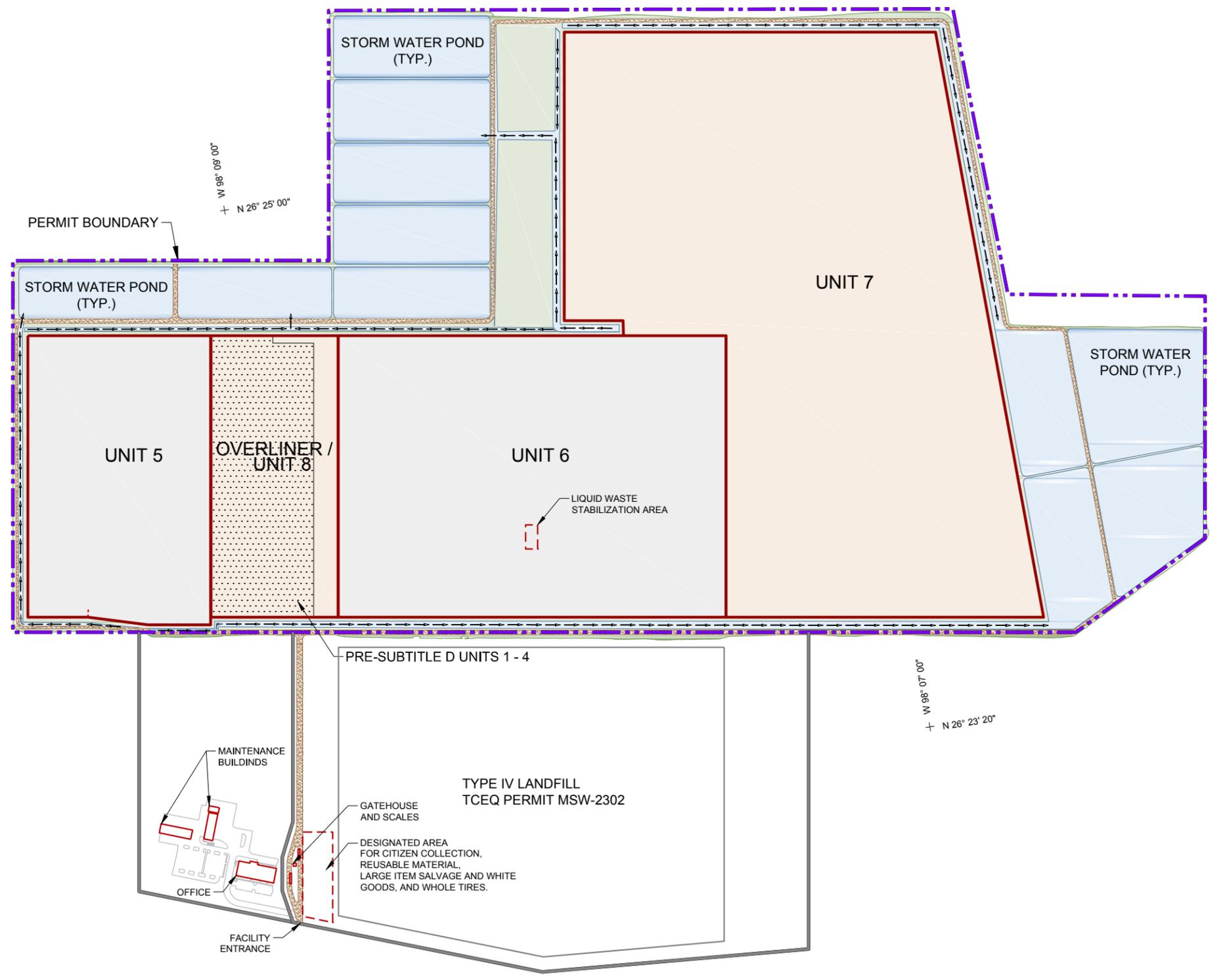
CLIENT: CITY OF EDINBURG SOLID WASTE MANAGEMENT

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PROJECT EDINBURG REGIONAL DISPOSAL FACILITY PERMIT AMENDMENT APPLICATION TCEQ PERMIT MSW-956C EDINBURG, HIDALGO COUNTY, TEXAS	TITLE WASTE MOVEMENT FLOW DIAGRAM
PROJECT NO. 1401491	APPLICATION SECTION III1
REV. 1	1 of 2
FIGURE III1-1	

1 in. IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B



- LEGEND**
- PERMIT BOUNDARY
 - UNIT BOUNDARY
 - PRE-SUBTITLE D UNITS 1 - 4
 - SURFACE WATER PERIMETER CHANNEL FLOW DIRECTION

- NOTE(S)**
1. THE LIQUID WASTE PROCESSING AREA IS WILL BE RELOCATED PERIODICALLY AS THE ACTIVE FACE MOVES AND WILL BE LOCATED ABOVE LINED LANDFILL AREAS.
 2. THE GATEHOUSE AND SCALES AND AREA DESIGNATED FOR CITIZEN COLLECTION, REUSABLE MATERIAL, AND LARGE ITEM SALVAGE AND WHITE GOODS ARE LOCATED WITHIN THE PERMIT BOUNDARY OF TYPE IV LANDFILL TCEQ PERMIT MSW-2302.
 3. UNIT AREAS FOR DISPOSAL OF WASTE ACCEPTED IN ACCORDANCE TO WASTE ACCEPTANCE PLAN IN PART II OF THIS APPLICATION INCLUDING MUNICIPAL SOLID WASTE, RACM, AND OTHER SPECIAL WASTES. NO CLASS I WASTE IS ACCEPTED.
 4. THE MULCH AREA IS CURRENTLY OVER PRE-SUBTITLE D UNITS 1-4.

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SEAL

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PROJECT
EDINBURG REGIONAL DISPOSAL FACILITY
PERMIT AMENDMENT APPLICATION TCEQ PERMIT MSW-956C
EDINBURG, HIDALGO COUNTY, TEXAS

TITLE
SCHEMATIC VIEW OF VARIOUS WASTE DISPOSAL, PROCESSING, AND STORAGE AREAS

PROJECT NO. 1401491	APPLICATION SECTION III1	REV. 1	2 of 2	FIGURE III1-2
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