

Resource Conservation Council

Facility Conformance Subcommittee

May 15, 2023

Staff Contact: Elena Berg

Procedures for Online Meeting

- ▶ Please keep your microphone on mute when not speaking.
- ▶ Please state your name and the entity you are representing when you ask a question or provide a comment.

Welcome and Introductions

- Patricia Redfearn, City of Grand Prairie
Chair, Facility Conformance Subcommittee

Presentation

- ▶ Type IV major permit amendment application for the Fort Worth C&D Landfill in Tarrant County.
- ▶ Charles Marsh, P.E., Project Director
Weaver Consultants Group, LLC

FORT WORTH C&D LANDFILL MAJOR PERMIT AMENDMENT

NCTCOG CONFORMANCE REVIEW
MAY 2023



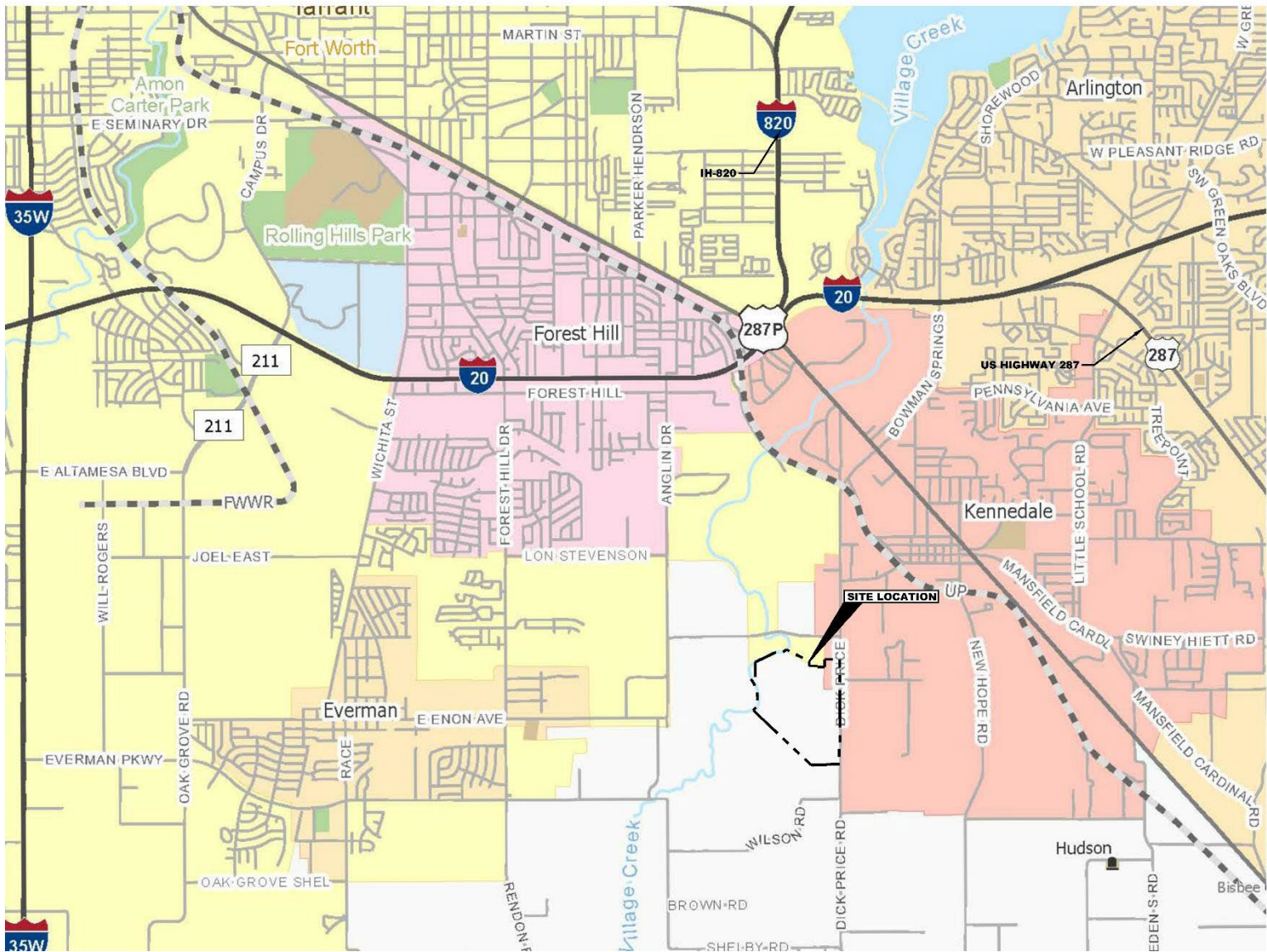
WASTE CONNECTIONS
Connect with the Future®



Charles Marsh, PE
Project Director

Applicant Information

- The applicant for this application is Texas Regional Landfill Company, LP, a subsidiary of Waste Connections.
- The Fort Worth C&D Landfill has provided municipal solid waste (MSW) disposal needs for Tarrant County and surrounding counties for over 30 years by providing essential construction and demolition waste disposal capacity.



Site History

- 1988 Permitted as a 38.1 ac. Type I MSW landfill under MSW-1983.
- 1997 Disposal operations began with 26 ac. used for waste fill.
- 2002 Major Permit Amendment (MSW-1983B) expanded the permit boundary to 151.73 ac. with waste footprint of 77.7 ac.
- 2017 Major Permit Amendment (MSW-1983C) which vertically expanded the landfill.
- 2020 Major Permit Amendment (MSW-1983D) expanded the permit boundary to 184.3 ac. With a waste footprint of 99.9 ac.

Proposed Landfill Expansion Summary (MSW 1983E)

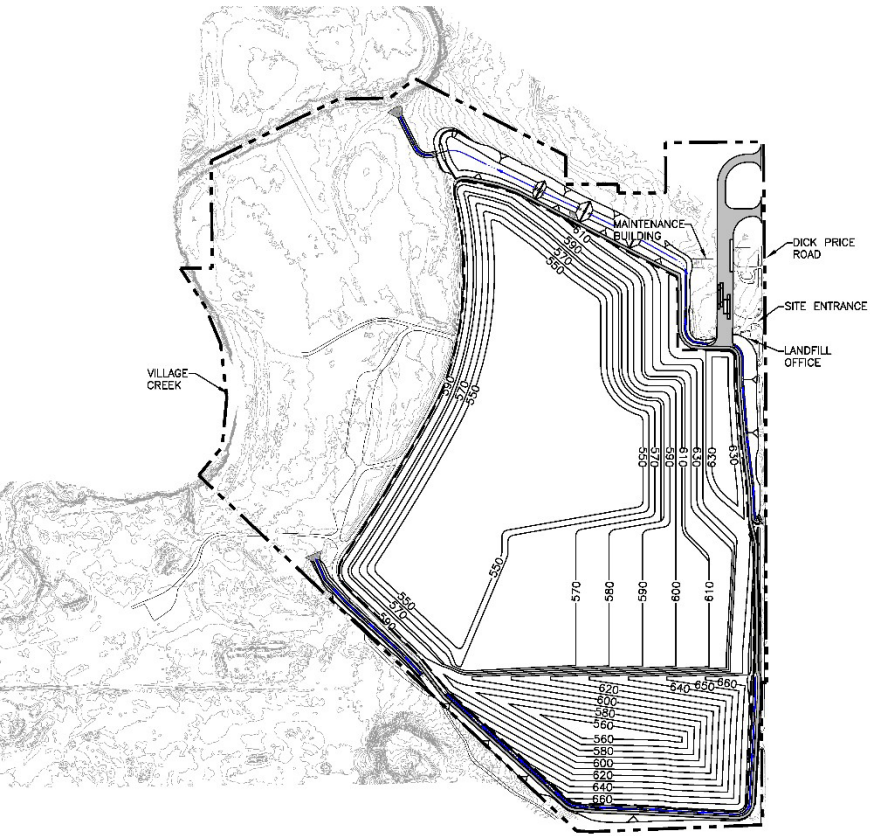
- Maximum height increase from 820 feet mean sea level (ft-msl) to 860 ft-msl.
- Waste disposal footprint increase approximately 22 acres to 121.9 ac.
- 184.3-ac. permit boundary does not change.
- Capacity increase of 8.4 million cubic yards.
- Expanded site life is projected to be between 13 and 20 years. Based on market and operating assumptions.
- Current facility has approximately 10 years of life remaining.
- Relocate floodplain limits for Village Creek (Approved by FEMA on September 23, 2022; Case No. 22-06-1554R).



PERMITTED LANDFILL COMPLETION PLAN

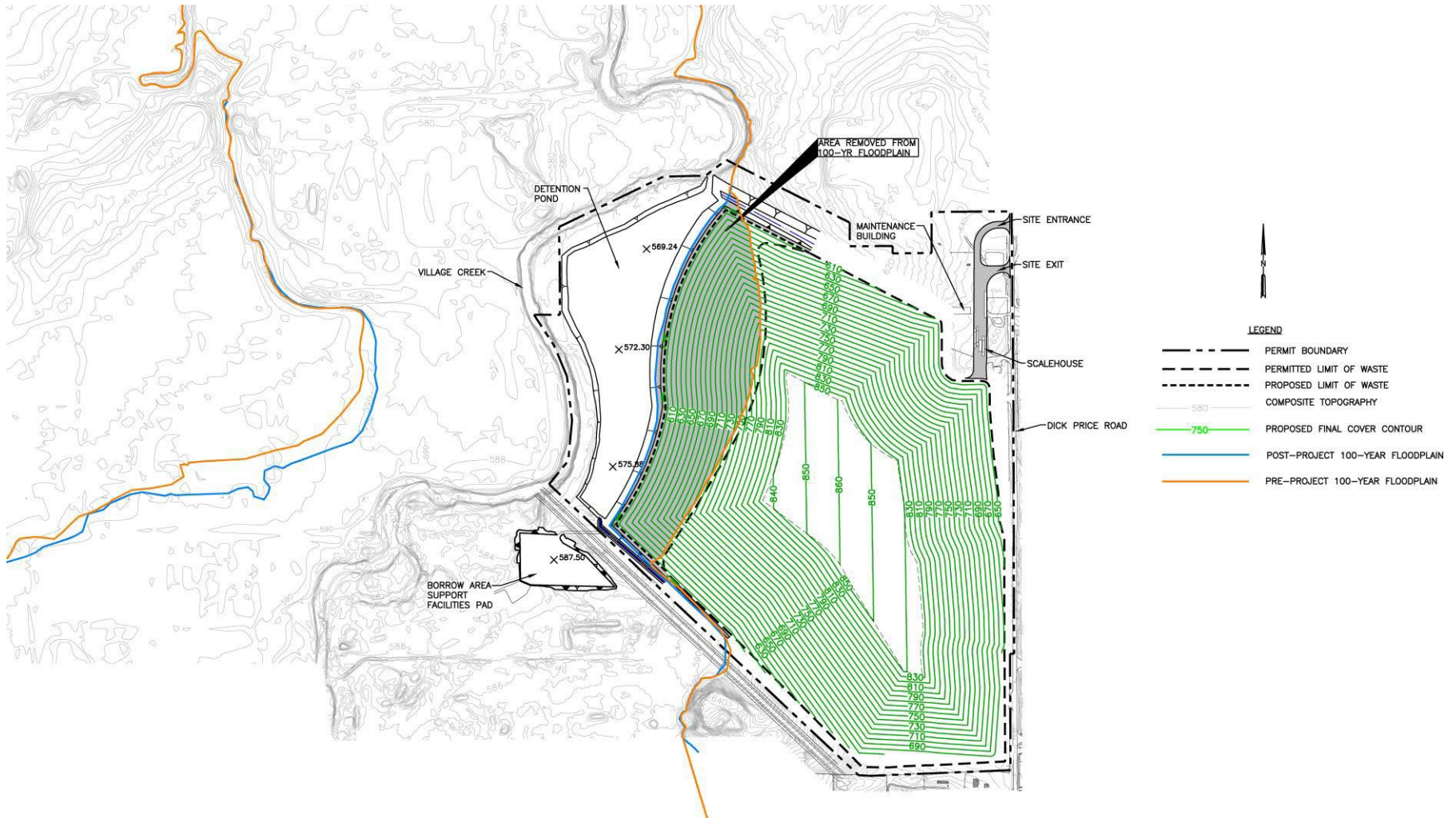


PROPOSED LANDFILL COMPLETION PLAN



PERMITTED LANDFILL BASE GRADING PLAN

PROPOSED LANDFILL BASE GRADING PLAN

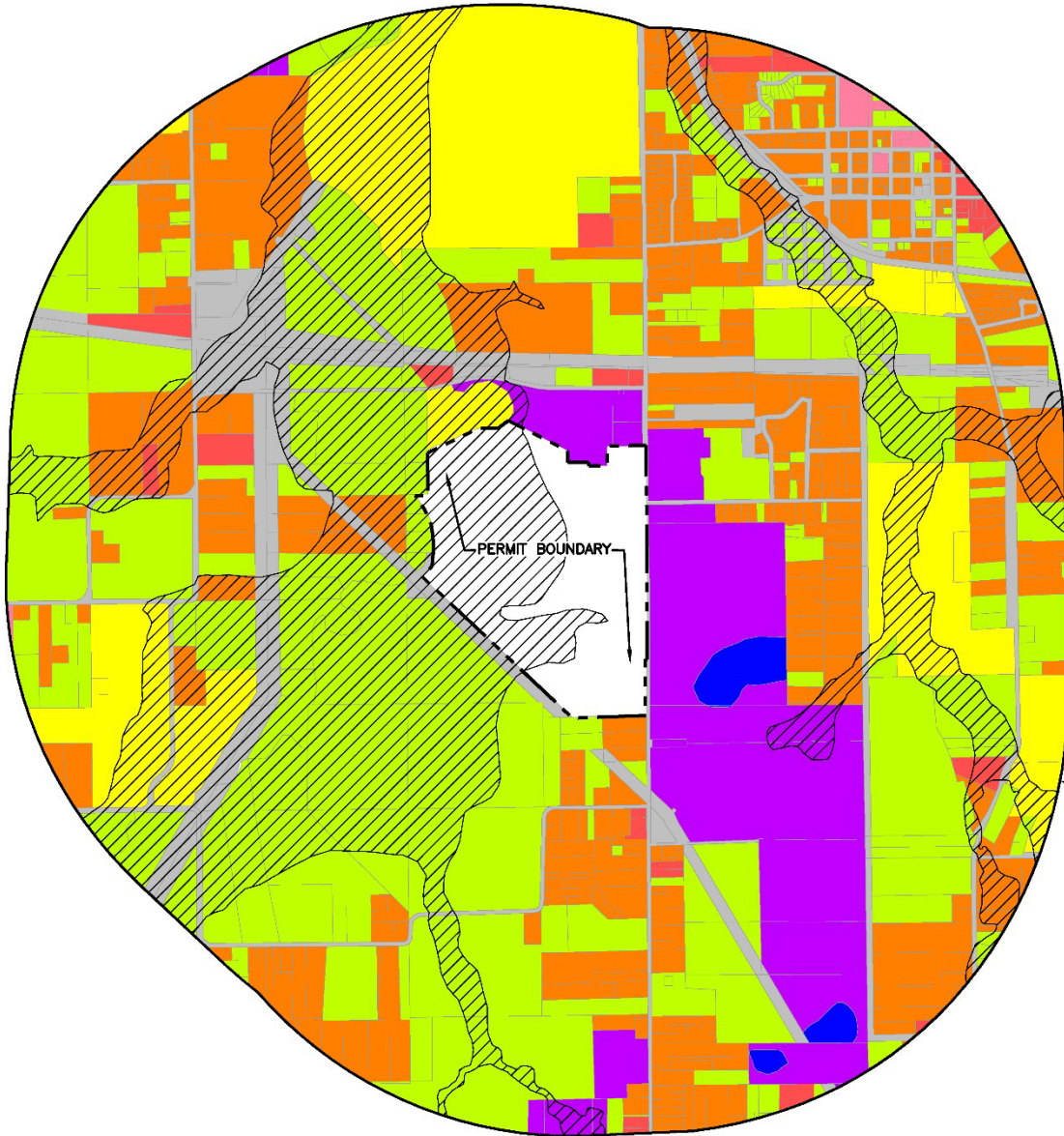


FLOODPLAIN RELOCATION












Land Use Summary Within 1 Mile

LAND USE WITHIN 1 MILE OF PERMIT BOUNDARY		
	ACRES	PERCENT
RESIDENTIAL	805	22.4%
COMMERCIAL	54	1.5%
INDUSTRIAL	331	9.2%
INSTITUTIONAL	10	0.3%
INFRASTRUCTURE	364	10.2%
DEDICATED	481	13.4%
UNDEVELOPED/AGRICULTURAL	1334	37.2%
POND/LAKE	24	0.7%
FLOODPLAIN*	1086	—
FORT WORTH C&D LANDFILL	184	5.1%
TOTAL	3587	100.0%

* THE AREA OF FLOODPLAIN (1086 ACRES) IS NOT USED TO CALCULATE THE PERCENT AREA OR TOTAL ACREAGE IN THE ABOVE TABLE.



LEGEND

-  PERMIT BOUNDARY
-  RESIDENTIAL
-  COMMERCIAL
-  INDUSTRIAL
-  INSTITUTIONAL
-  INFRASTRUCTURE
-  DEDICATED (SEE NOTE 3)
-  UNDEVELOPED/AGRICULTURAL
-  FORT WORTH C&D LANDFILL
-  FLOODPLAIN
-  POND/LAKE

1-MILE RADIUS

Types of Waste Accepted

- Types of waste accepted will remain consistent with the current permit Type IV municipal solid waste.
 - Waste for disposal from both public and private entities in and around Tarrant and surrounding counties.
 - Class 2, Class 3 non-hazardous industrial solid waste.
 - Construction and demolition waste.
 - Yard Waste, Rubbish, Scrap Tires, Special waste.

Consistent with Regional Plan Goals

- NCTCOG Regional Plan supports the need for landfill facilities as a long-term component of the region's solid waste management program.
- Additional capacity gained (8.4 million cubic yards) will contribute to meeting the NCTCOG's goal of maintaining 10+ years of disposal capacity in this region.

QUESTIONS?

Action Item

The Subcommittee will discuss the Type IV major permit amendment application for the Fort Worth C&D Landfill in Tarrant County, and vote whether to recommend to the Resource Conservation Council that the application conforms to the North Central Texas Regional Solid Waste Management Plan.

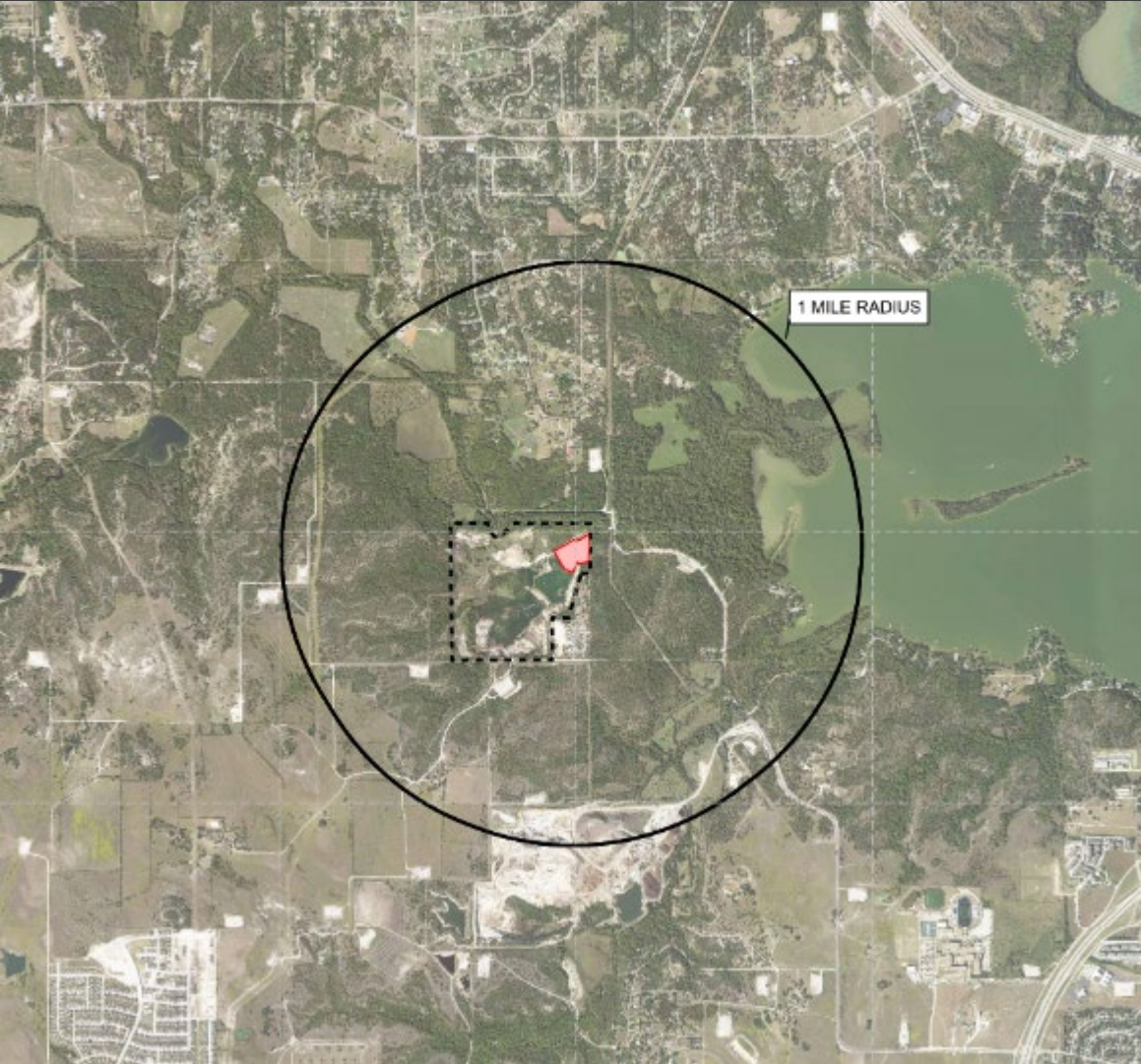
Next Steps

The Resource Conservation Council will vote on the Subcommittee's recommendation regarding the Fort Worth C&D Recycling Facility at its meeting on May 24, 2023.

A letter stating the RCC's final conformance determination will be submitted to the TCEQ, and a copy will be sent to the applicant.

Presentation

- ▶ Type V MSW facility registration application for the BAP Kennor C&D Recycling Facility in Tarrant County.
- ▶ Sonia Samir, P.E., Ph.D., Civil Project Manager
Parkhill



BAP Kennor C&D Recycling Facility

MSW Registration No. TBD

MSW Permit No. 1241

May 15, 2023

Parkhill

AGENDA

- Facility Background
- Land Use Conformance
- Regional Conformance

EXISTING FACILITY BACKGROUND

■ Landfill Permitting History

- MSW Permit 1241 was issued in august 1980
- Type IV Landfill
- Landfill has waste placed over approximately 2.5 acres
- Landfill stopped accepting waste and declared inactive in 1985
- Permit remains active/valid
- Owner change in 2022, currently pending via Modification with notice

■ Facility Operations

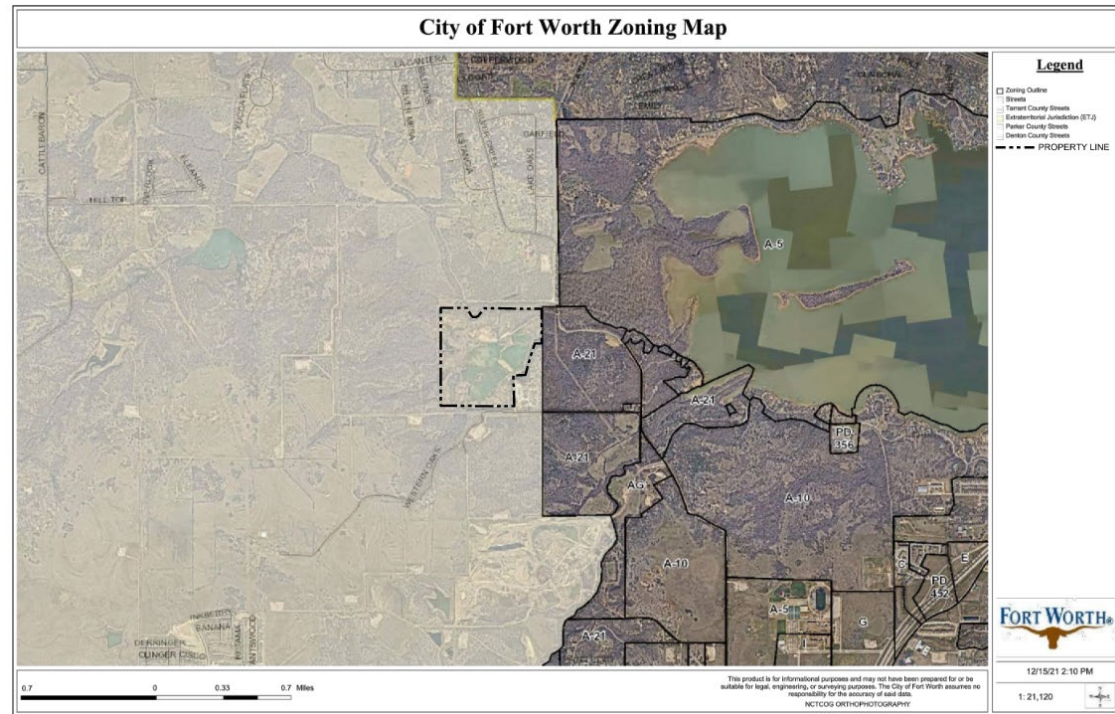
- Facility used for aggregate production/mining
- Currently have an active Aggregate Production Operation (APO) (registration# AP0003656)

PROPOSED FACILITY BACKGROUND

- Recycling Registration (Type V)
 - In accordance with §330.9(c) establish a recycling facility at a permitted landfill (MSW permit #1241)
 - The Facility will accept
 - Non-putrescible, potentially recyclable material
 - Materials authorized for Type IV Facility (including but not limited to metals, wood, lumber, green waste, plastics, OCC, concrete, and other inert C&D materials)
 - Feedstock will be stored until processed
 - Processed materials will be stored until hauled off-site
 - Non-recyclable waste will be managed according to the requirements of §328 or taken to an authorized solid waste facility

LAND USE CONFORMANCE

- Located within the extraterritorial jurisdiction (ETJ) of the City of Fort Worth
- Located in an unincorporated area of Tarrant County
- No zoning requirements have been established
- No approval is required for a nonconforming use or a specific use permit



REGIONAL CONFORMANCE

■ Goal No. 1: Time to Recycle

- The facility will contribute to expanding NCTCOG's commercial recycling efforts with the proposed recycling facility for inert and essentially insoluble recyclable material usually including, but not limited to, construction and demolition materials such as concrete, rock, brick, glass, dirt, wood, lumber, brush, metals, and certain plastics.

■ Goal No. 2: Stop Illegal Dumping

- The facility will make available public awareness materials developed by NCTCOG to contribute to the efforts to facilitate public awareness and reduce illegal dumping.

■ Goal No. 3: Assuring Capacity for Trash

- The proposed Facility will contribute to NCTCOG's effort to maintain a minimum of 10 years of capacity for the region by increasing the recycling effort within the region.
- The Facility will provide convenient C&D recycling options in an under-served area and provide opportunities for the customers to recycle in a convenient and affordable manner.



Questions?

Frank E. Pugsley, PE
fpugsley@parkhill.com

Parkhill

Action Item

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