

Haley Griffith (adpce.ad)

Subject: RE: 0030-SCYW - City of Fort Smith Compost - Missing Items from NOI

From: Bradford, Michael <MBradford@scsengineers.com>
Sent: Tuesday, March 25, 2025 7:19 PM
To: Michael Marchman (adpce.ad) <Michael.Marchman@arkansas.gov>
Cc: Lougin, Torrey <TLougin@FortSmithAR.gov>
Subject: RE: 0030-SCYW - City of Fort Smith Compost - Missing Items from NOI

Hi Michael,

See attached updated FIRM Map and Closure Cost Update for the Compost Yard.

Let me know if you need anything else.

Thanks!

Michael Bradford, P.E.
SCS Engineers
M: 602-826-9398 O:602-606-4553

From: Michael Marchman (adpce.ad) <Michael.Marchman@arkansas.gov>
Sent: Wednesday, December 18, 2024 12:32 PM
To: Bradford, Michael <MBradford@scsengineers.com>
Subject: 0030-SCYW - City of Fort Smith Compost - Missing Items from NOI

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Good afternoon Mr. Bradford,

I am following up on our call about the missing information from the City of Fort Smith Compost facility (0030-SCYW). Below are the items you are missing.

- An up-to-date FIRM (floodplains) Map
- An updated closure plan with 2024 unit costs

If you have any questions, please reach out to me.

Thank you,

Mike Marchman | Solid Waste Permitting Engineer
Division of Environmental Quality | Office of Land Resources
5301 Northshore Drive | North Little Rock, AR 72118
t: 501.683.0827 | e: michael.marchman@arkansas.gov



ARKANSAS

ENERGY & ENVIRONMENT

Table 2. Third Party Estimate to Complete Closure Activities

Closure Requirements	Quantity	150% Multiplier ⁽¹⁾	Units	Unit Price ⁽²⁾	Amount ⁽²⁾
Submit Notification Letter to the ADEQ	1	1	LS	\$200	\$200
Disposal of Composting Rows to be Used On-site or by Parks and Recreation Department	1500	2250	TON	\$6	\$13,500
Disposal of Wood Waste stored On-site	100	150	TON	\$15	\$2,250
Disposal of Finished Compost to be Used On-site or by Parks and Recreation Department	100	150	TON	\$6	\$900
Disposal of Unprocessed Wood Waste On-site	50	75	TON	\$15	\$1,125
Disposal of Non-Compostable Material stored On-site	10	15	TON	\$10	\$150
Cleaning of All Equipment, Machines, and surfaces	1	1	LS	\$3,000	\$3,000
Total Estimated Closure Cost (2017 Dollars)					\$21,125

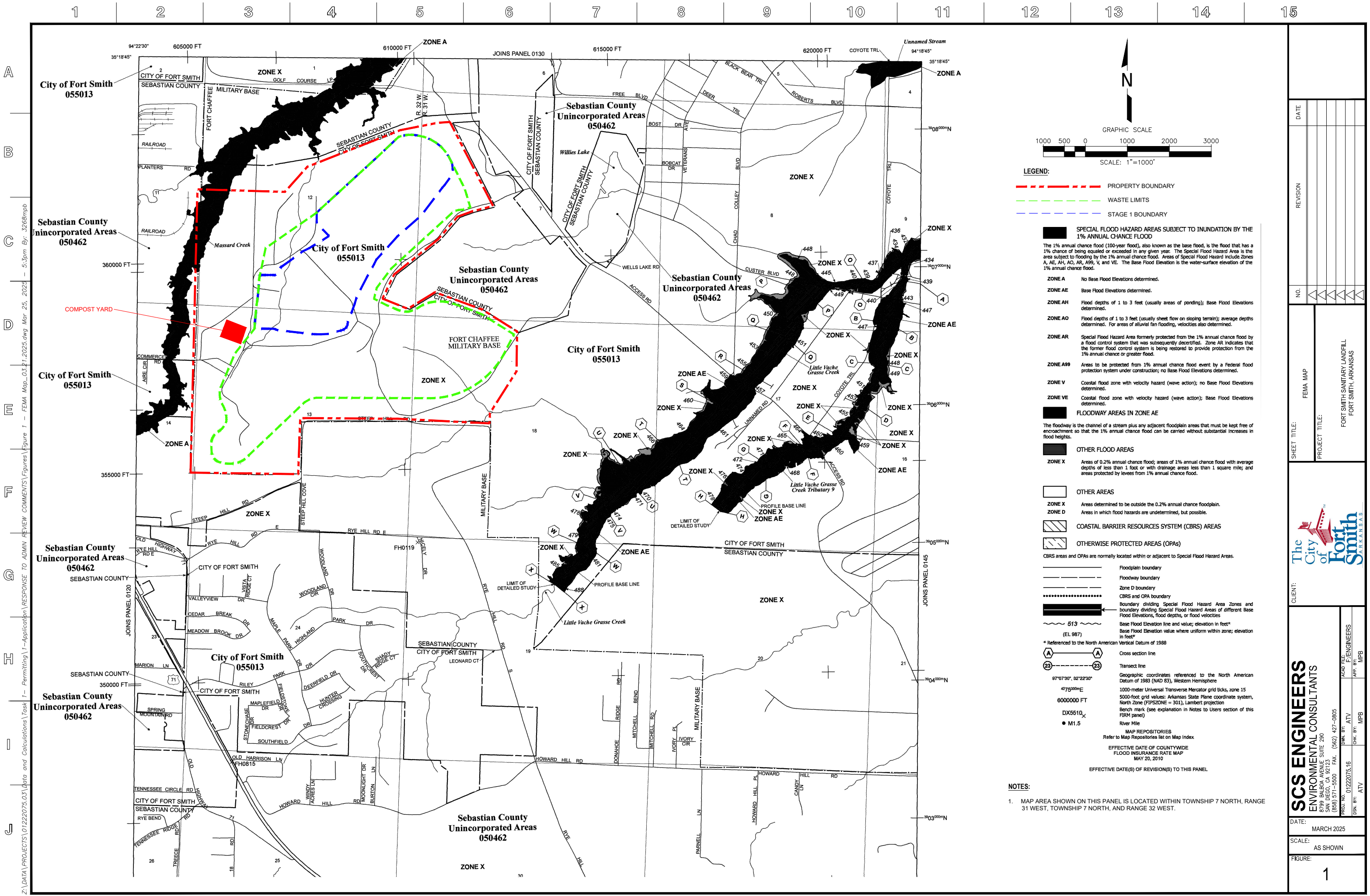
NOTES:

(1) Up to 150% of the maximum permitted amount of solid waste and compost stored on site is eligible for transport and disposal in the facility Class 1 Landfill by a third party.

(2) Unit Price in 2017 Dollars based on the estimate prepared by Terracon as part of the approved Operating Plan (Doc ID 75613)

Closure Cost Inflation Adjustment		
Year	ADEQ Inflation Factor ⁽¹⁾	Adjusted Closure Cost Estimate
2017	-	\$ 21,125.00
2018	1.007	\$ 21,272.88
2019	1.015	\$ 21,591.97
2020	1.023	\$ 22,088.58
2021	1.017	\$ 22,464.09
2022	1.062	\$ 23,856.86
2023	1.065	\$ 25,407.56
2024	1.027	\$ 26,093.56

NOTES:



LEGEND:

- PROPERTY BOUNDARY
- WASTE LIMITS
- STAGE 1 BOUNDARY

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A No Base Flood Elevations determined.
- ZONE AE Base Flood Elevations determined.
- ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99 Areas to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

- ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

- ZONE X Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- Floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths, or flood velocities
- Base Flood Elevation line and value; elevation in feet*
- Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

- Cross section line
- Transect line
- Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 1000-meter Universal Transverse Mercator grid ticks, zone 15
- 5000-foot grid values: Arkansas State Plane coordinate system, North Zone (FIPSZONE = 301), Lambert projection
- Bench mark (see explanation in Notes to Users section of this FIRM panel)
- River Mile
- MAP REPOSITORIES
- Refer to Map Repositories list on Map Index
- EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
- MAY 20, 2010
- EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

NOTES:

- MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 7 NORTH, RANGE 31 WEST, TOWNSHIP 7 NORTH, AND RANGE 32 WEST.

DATE

REVISION

NO.

DATE

REVISION

NO.

SHEET TITLE:

FEMA MAP

PROJECT TITLE:

FORT SMITH SANITARY LANDFILL
FORT SMITH, ARKANSAS

CLIENT:

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS

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ACAD FILE: P:\ENGINEERS
APP: MPB
DWG: 01222075.16
CHK: ATV

DATE:

MARCH 2025

SCALE:

AS SHOWN

FIGURE:

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