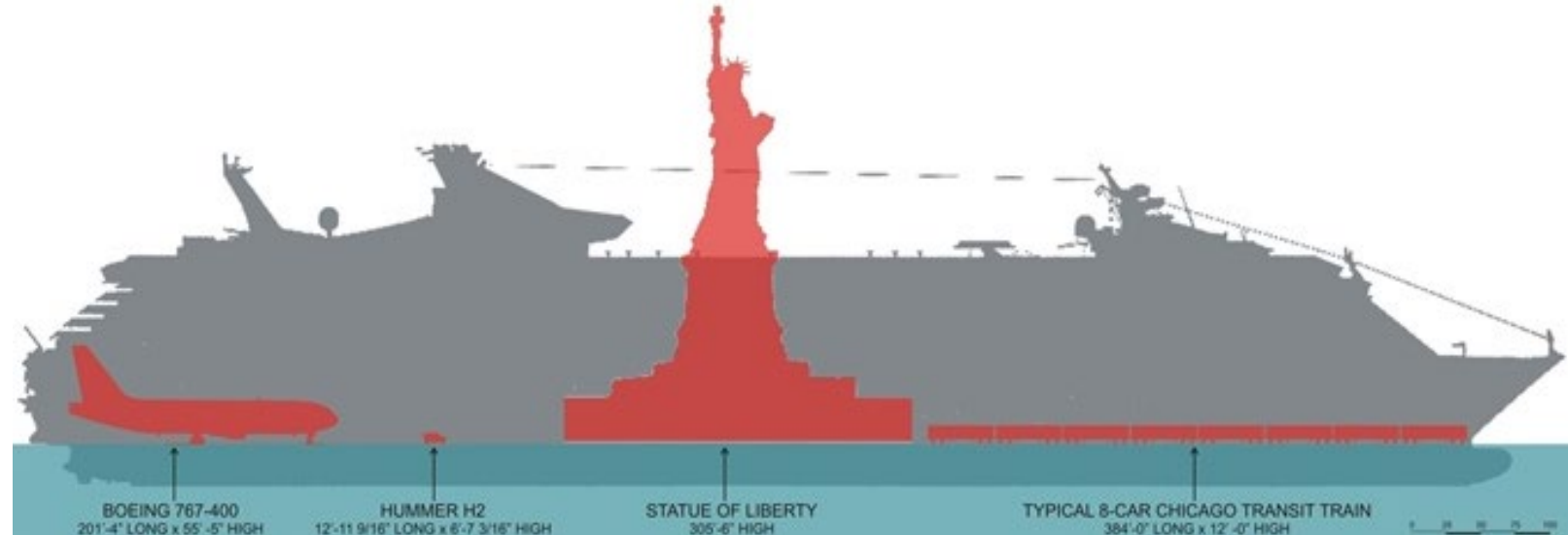


# Hoffman Road Landfill 2023 Landfill Cell Construction



# Hoffman Road Landfill Facts

- Began operation 1975
- Primarily residential and Construction Debris wastes
- Facility is ~ 220 acres. Permitted disposal area is ~ 150 acres
- 2021 permit modification and expansion (~70-75 years air space)
- Manage avg ~180,000 tons of waste year (~600 tons a day)
- Last new cell construction in 2004/2005
- New disposal capacity needed by 2<sup>nd</sup> quarter 2024



Source: <https://www.cruisemapper.com/wiki>

Note: A typical cruise ship weighs on average ~120,000 tons, with heavier cruise ships weighing in at ~200,000 tons.

# Landfill Cell Development Timeline

## Phase 1: Permit-to-Install (PTI) Application

- Professional services contract awarded 2017
- PTI application with preliminary design submitted December 2018
- Public Meetings January 2019 and April 2021
- Ohio EPA Approval of PTI June 2021
- Cost: \$ 480,000

## Phase 2: Cell Construction and Design

- Bid March 2022
- Fatal flaw analysis
- Construction Design and Bid Documents
- Construction bid December 2022
- Cost: \$99,000

## Phase 3: Phase 1 of Cell Development and Construction

- Anticipated construction start date, February 2023
- Completion anticipated August – October 2023
- Provides 3-5 years of disposal capacity
- Preliminary Cost Estimate: \$4.1M

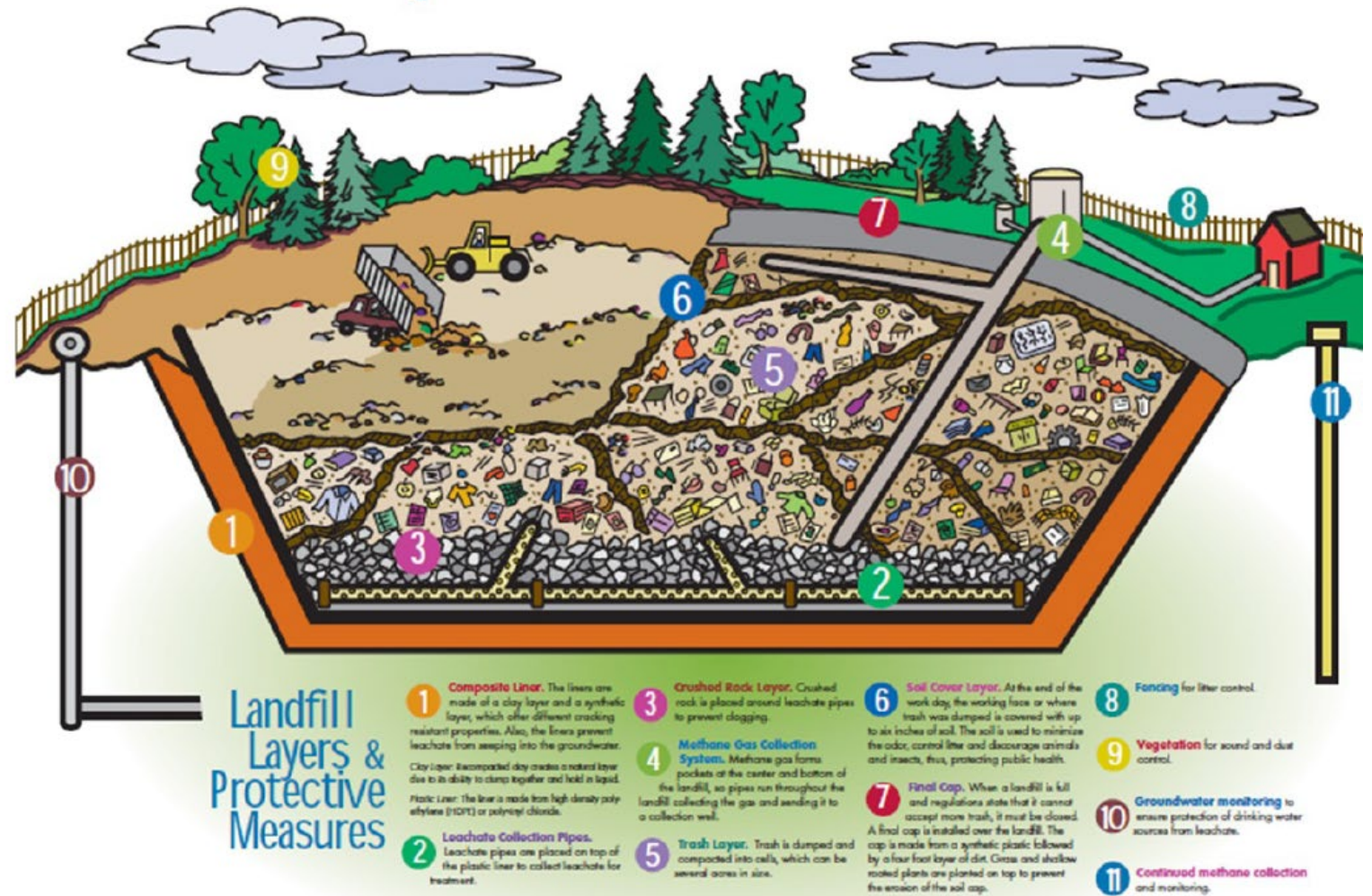


Source: <https://www.geosynthetics.com>

# Simplified Cell Construction

- Approved PTI
- Engineering controls
- Lateral and vertical limits
- Base of fill
- Liner
- GCCS/LCCS
- Groundwater and landfill gas Monitoring Systems

## Last stop For trash: A Landfill



Source: <https://www.laredosolidwaste.com>

# 2023 Landfill Cell Design and Construction

- New cell ~6 Acres
- Requires ~ 240,000 cy of excavation
- Cell will be 50 feet deep
- Provides 3 to 5 years of constructed air space
- Next cell development design and bid work will be implemented in 2024/2025.
- Phase 2 of construction anticipated in 2026. Extends estimated life another 4-6 years

