



Phase H: Landfill Gas Collection System Expansion

City Council | October 21, 2025

Presented by: Public Works

Camelot Landfill

- **City-owned Type I municipal solid waste landfill. The City is the permit holder of this facility**
- **Located in Lewisville**
- **Permit 1312B – Amendment approved in August 2017**
- **Permitted disposal capacity: 53,200,000 cubic yards**
- **Operated by Camelot Landfill, TX LP– a subsidiary of Republic Services**



Landfill Gas (LFG) Basics

- **Natural byproduct of decomposition of organic material**
- **Typically, 50% methane and 50% carbon dioxide**
- **Small percentage of landfill gas is nonmethane organics; responsible for the odor**
- **Methane is combustible and potent greenhouse gas**
- **Based on new source performance standards (NSPS), landfill owners MUST install landfill gas control systems**
- **As landfill accepts more garbage, this system will need to be expanded**

The map displays a large area with a dashed boundary. A significant portion of the lower-left and central area is shaded in orange, indicating proposed construction or fill. This area contains numerous small black dots representing utility locations, labeled with codes such as E-001 through E-098. To the left of the orange area, there are three labels with arrows pointing to specific locations: "EXISTING PLANE FILL", "NEW COMPRESSOR LOCATION", and "EXISTING WHITE PLOT". The upper right section of the map shows a hilly terrain with contour lines. Various other labels are scattered throughout, including "BLVD R/W OF THE TRINITY RIVER" at the bottom left, "EXISTING ENTRANCE" at the top right, and several "Hwy" labels (Hwy=10, Hwy=20, Hwy=30, Hwy=40) along the perimeter. Grid lines are visible, with horizontal coordinates ranging from 67+00 to 73+00 and vertical coordinates from 10+00 to 20+00.

Questions



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