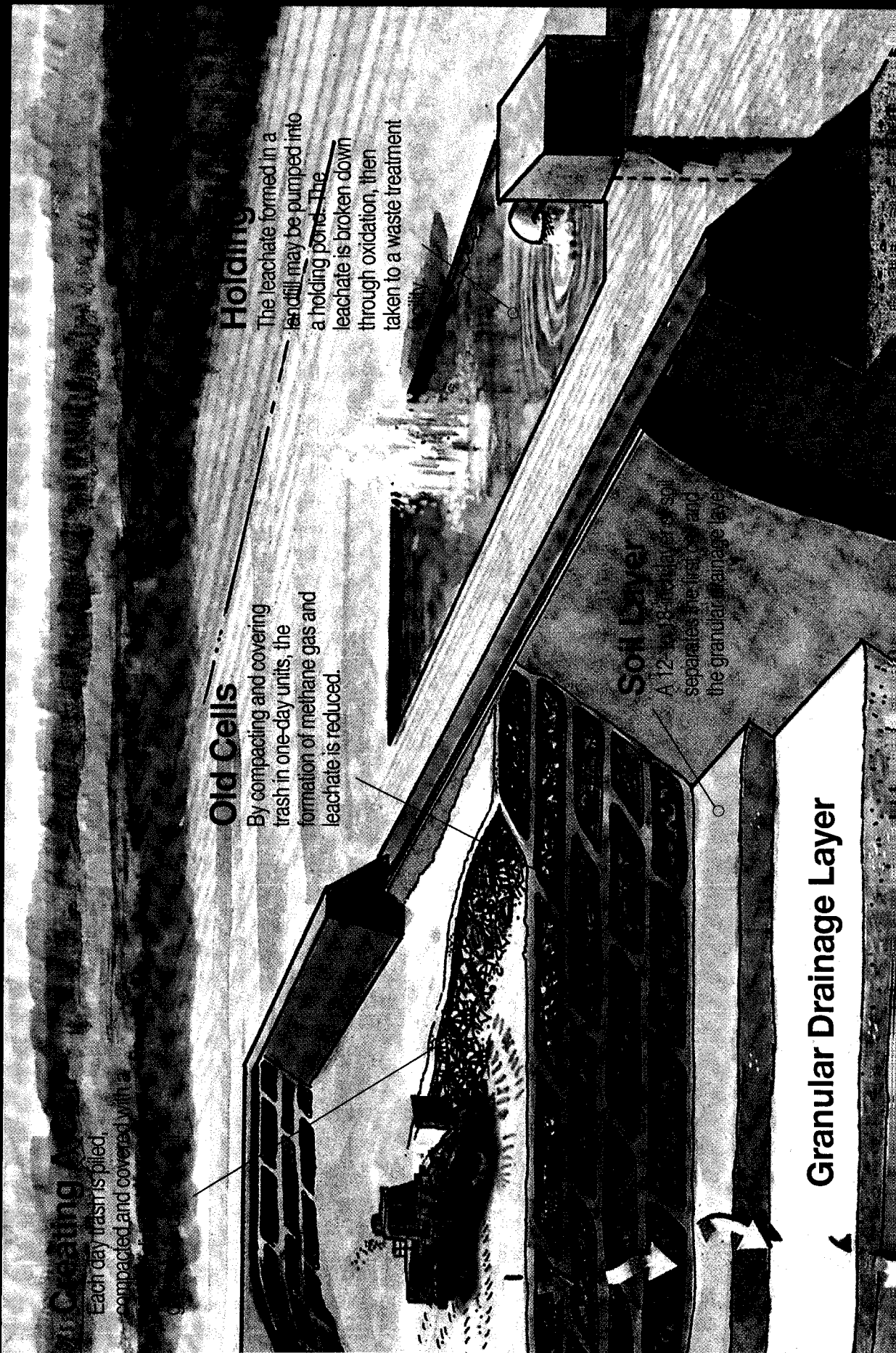


PO1078
32034 POF

SANTEK ENVIRONMENTAL



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Old Cells

Each day trash is piled, compacted and covered with a

Old Cells

By compacting and covering trash in one-day units, the formation of methane gas and leachate is reduced.

Holding Pond

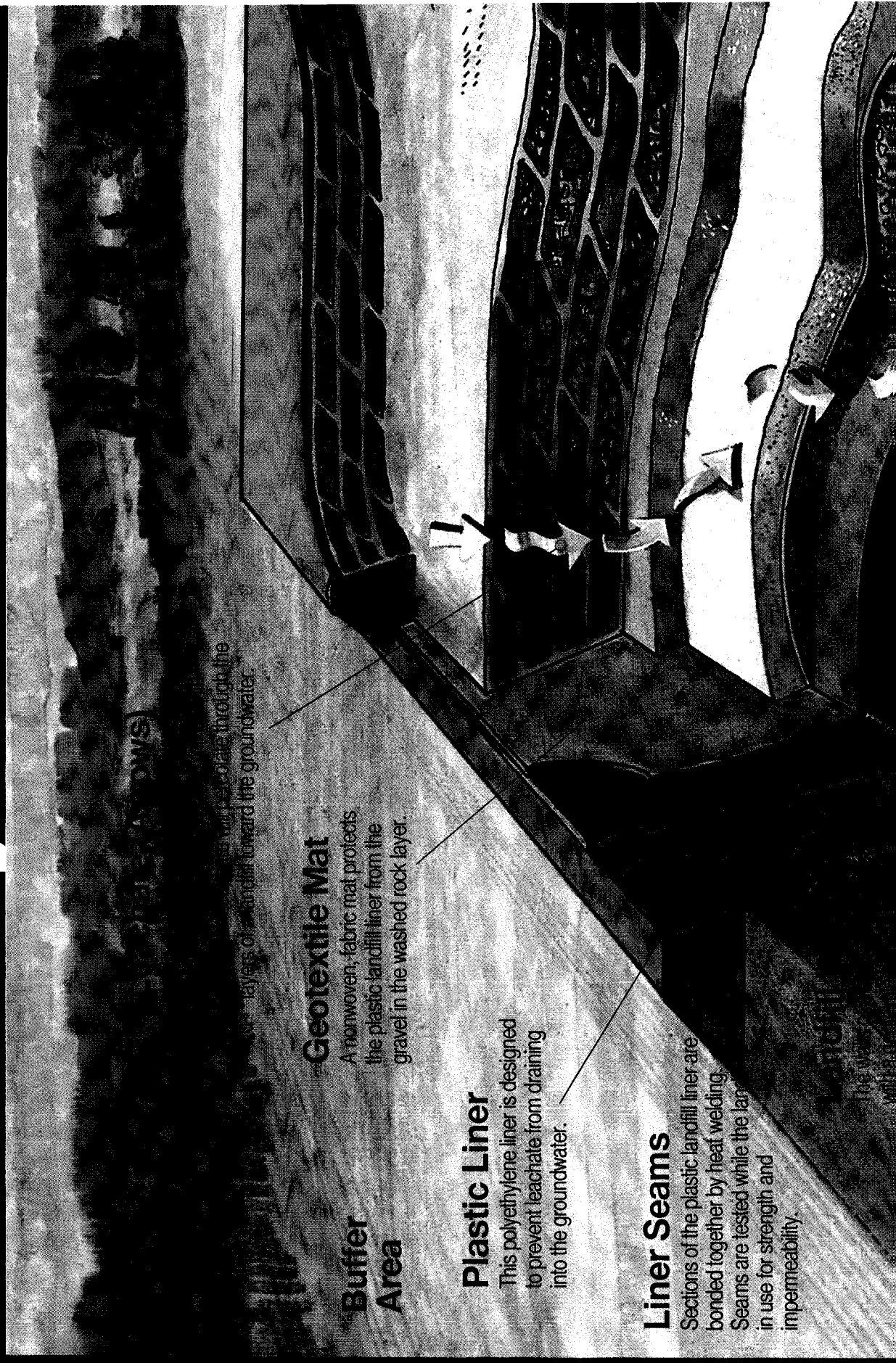
The leachate formed in a landfill may be pumped into a holding pond. The leachate is broken down through oxidation, then taken to a waste treatment facility.

Soil Layer

A 12- to 18-inch layer of soil separates the test cell and the granular drainage layer.

Granular Drainage Layer

Anatomy of a Landfill



Site Analysis

A study must be made of an area before it can be approved as a landfill site. This analysis examines the wildlife living in the area, as well as the condition of the underlying soil and bedrock. It must also be determined if the site has historical or archaeological value.

Compacted Clay

Compacted clay must separate a landfill from groundwater. If soil does not meet density standards, bentonite may be added to the soil to create this dense layer of clay.

Leachate Collection Pipes

Leachate drains into pipes where it is pumped to holding ponds or tanks.

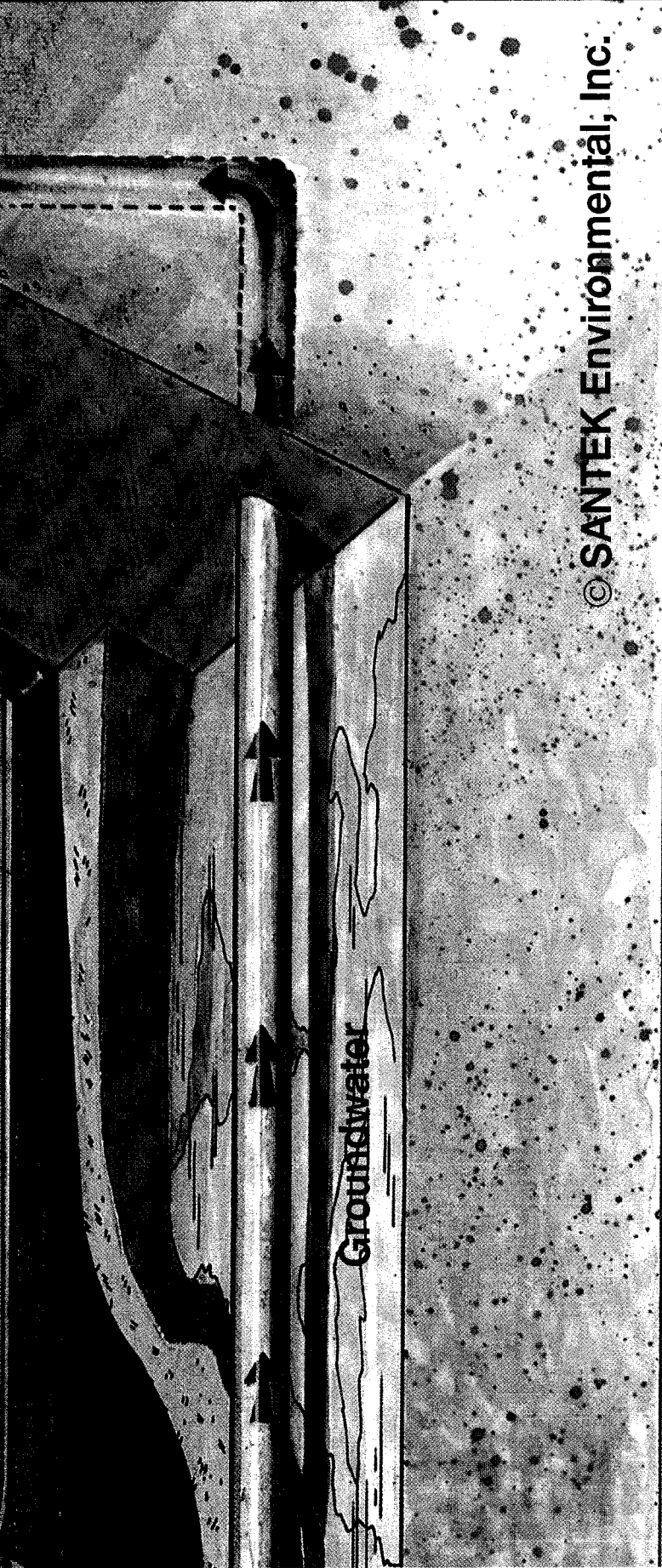
Landfill

Landfills are sites where waste is buried in the ground. They are usually located in areas that are not suitable for other uses.

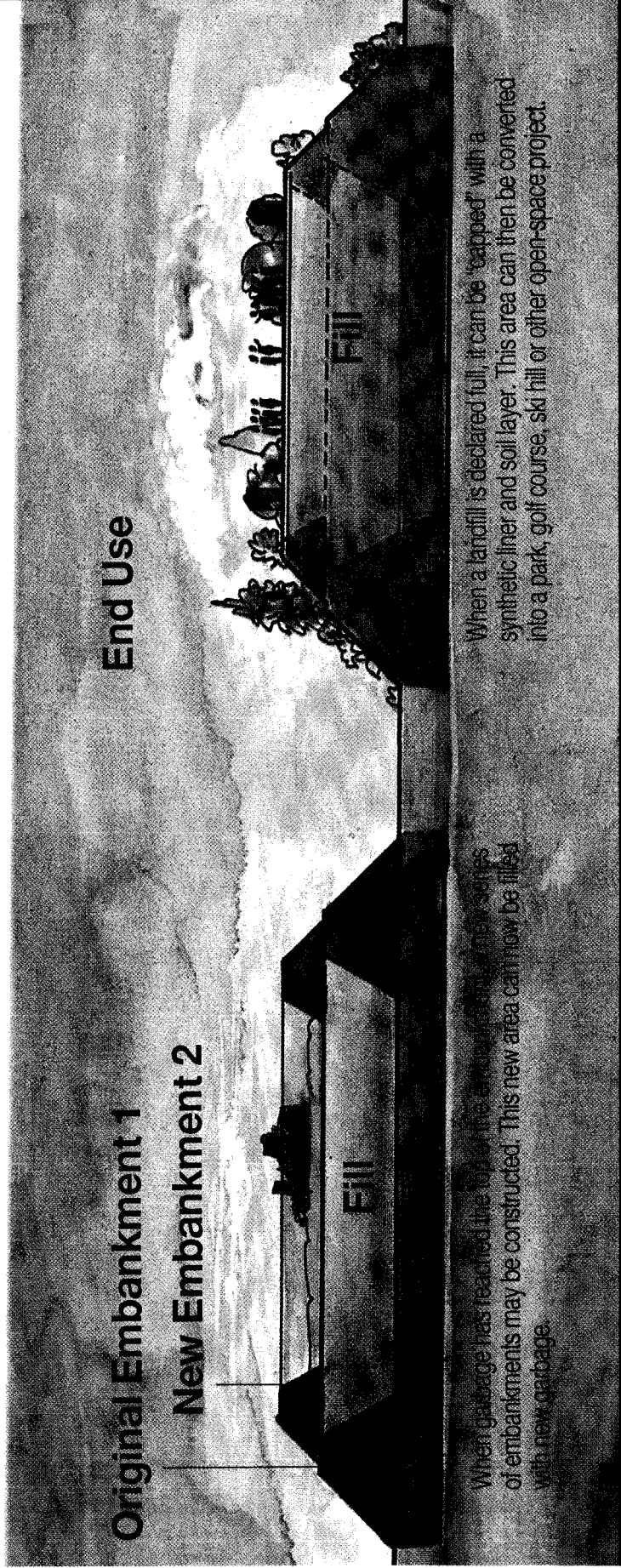
Landfills are a type of waste management. They are used to dispose of waste that cannot be recycled or reused. Landfills are usually located in areas that are not suitable for other uses. They are a type of waste management. They are used to dispose of waste that cannot be recycled or reused. Landfills are usually located in areas that are not suitable for other uses.

Buffer Area

Earthen Embankment
Municipal solid waste is buried inside pit.



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End Use

Original Embankment 1

New Embankment 2

Fill

Fill

When garbage has reached the top of the embankment, a new series of embankments may be constructed. This new area can now be filled with new garbage.

When a landfill is declared full, it can be "capped" with a synthetic liner and soil layer. This area can then be converted into a park, golf course, ski hill or other open-space project.

aters for Local Communities