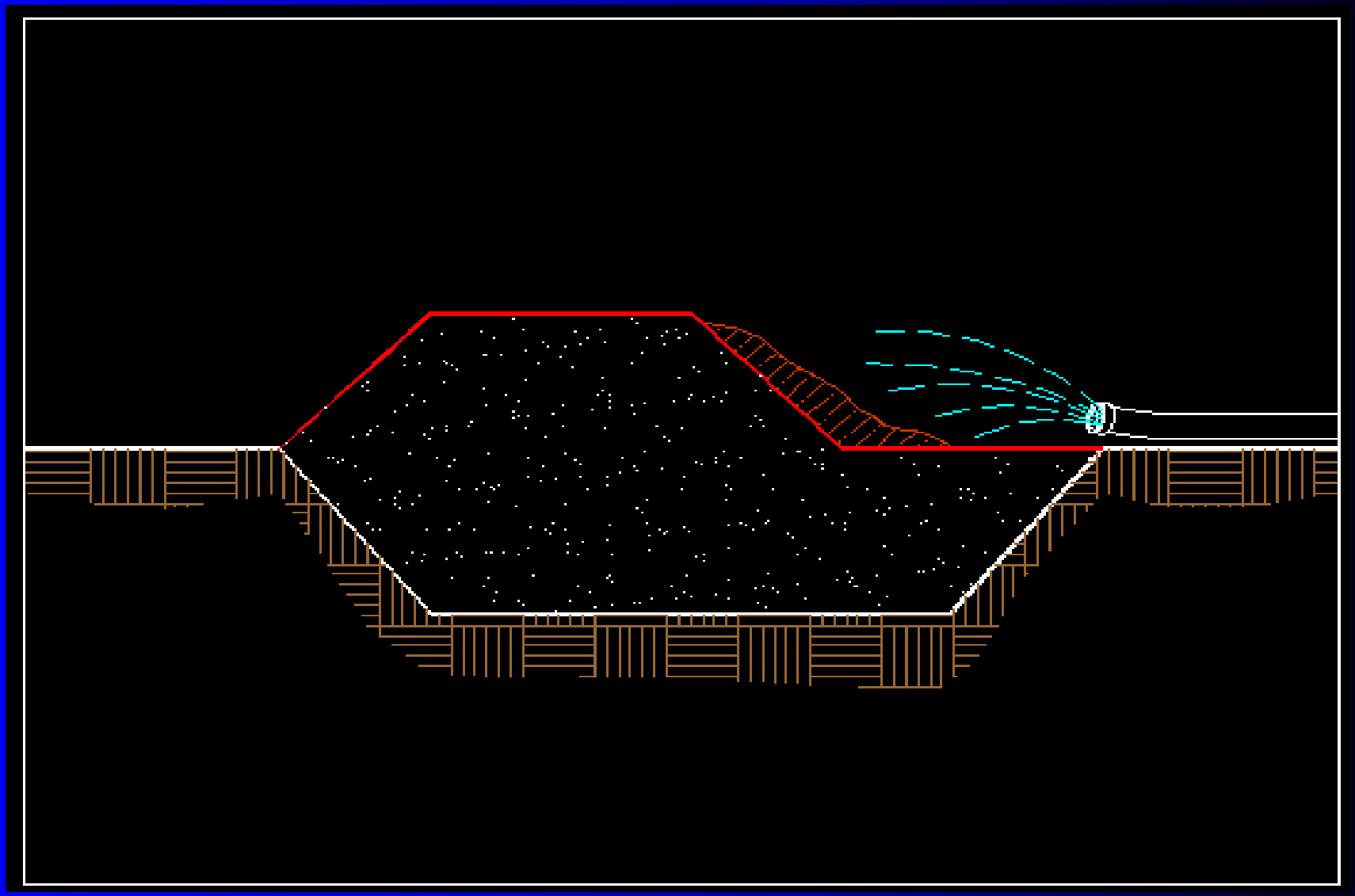
US EPA ARCHIVE DOCUMENT

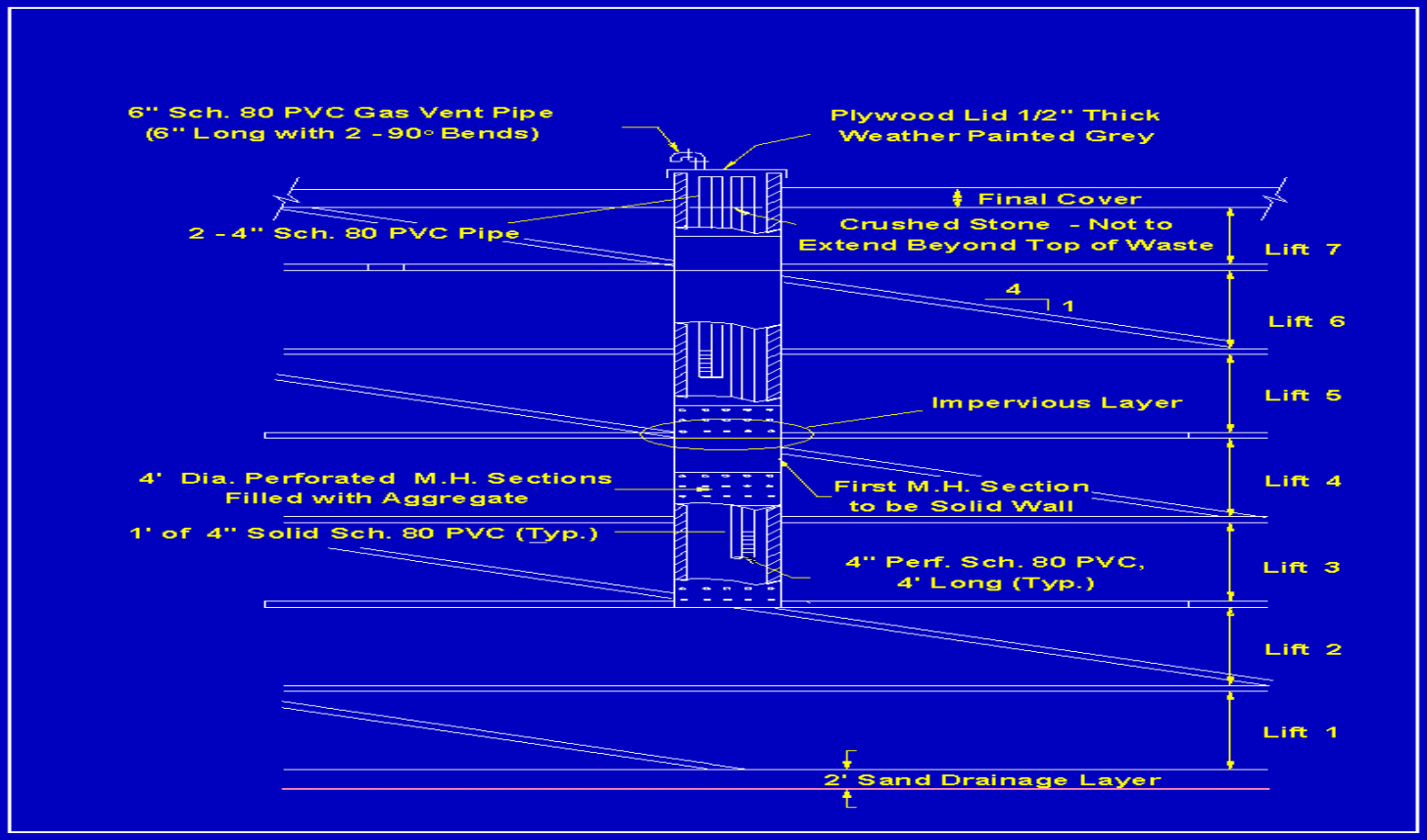
Spraying



Spraying

- Advantages
  - Low cost
  - Immediate implementation
  - Simple
  - Good distribution if done consistently
- Disadvantages
  - Potential odors
  - Can only be used while landfill is operating

Vertical Well

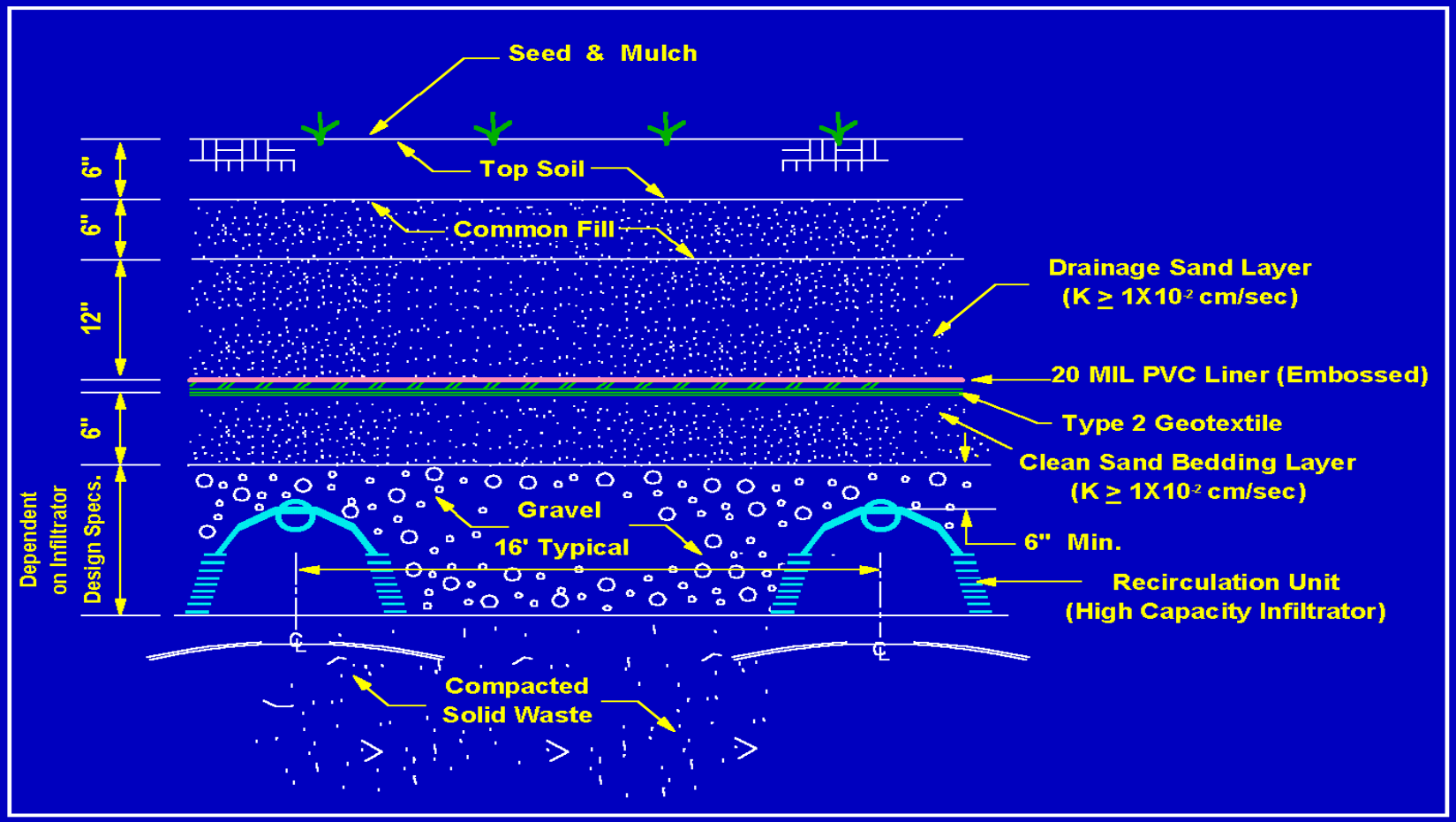


DSWA Sandtown Landfill: Typical Cross-Section - Area D Recirculation Well
(Constructed Between 1992 and 1999)

Vertical Wells

- Advantages
  - Moderate cost
  - Wells can be implemented relatively quickly
  - Can be implemented and used after landfill cell is completed
- Disadvantages
  - Potential flooding of LFG wells
  - Limited distribution

Leach Field

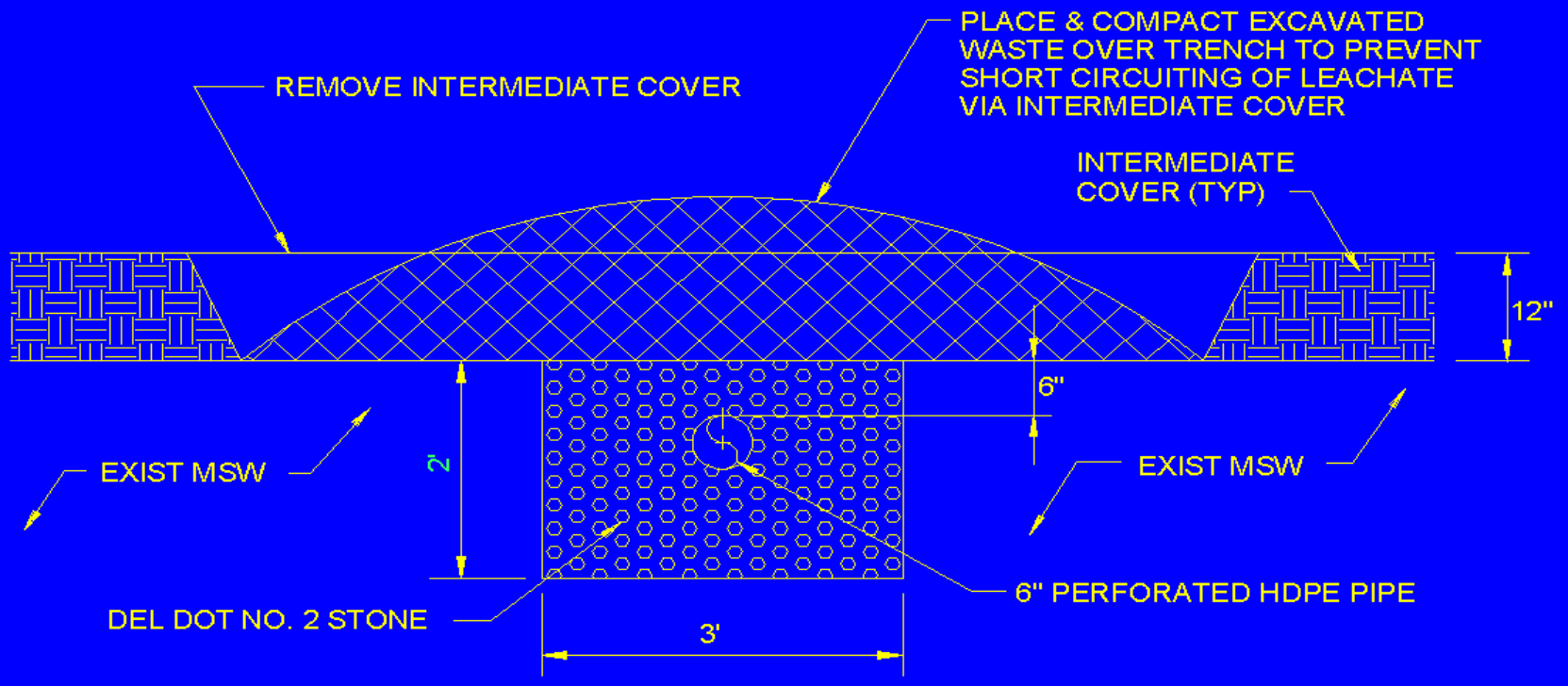


DSWA Sandtown Landfill: Area D: Typical Cross-Section - Area D Leach Field (1998)

Leach Field

- Advantages
  - Can be implemented and used after landfill cell is completed
- Disadvantages
  - Need to wait until landfill cell is complete

Horizontal Well



HORIZONTAL INJECTION TRENCH SECTION

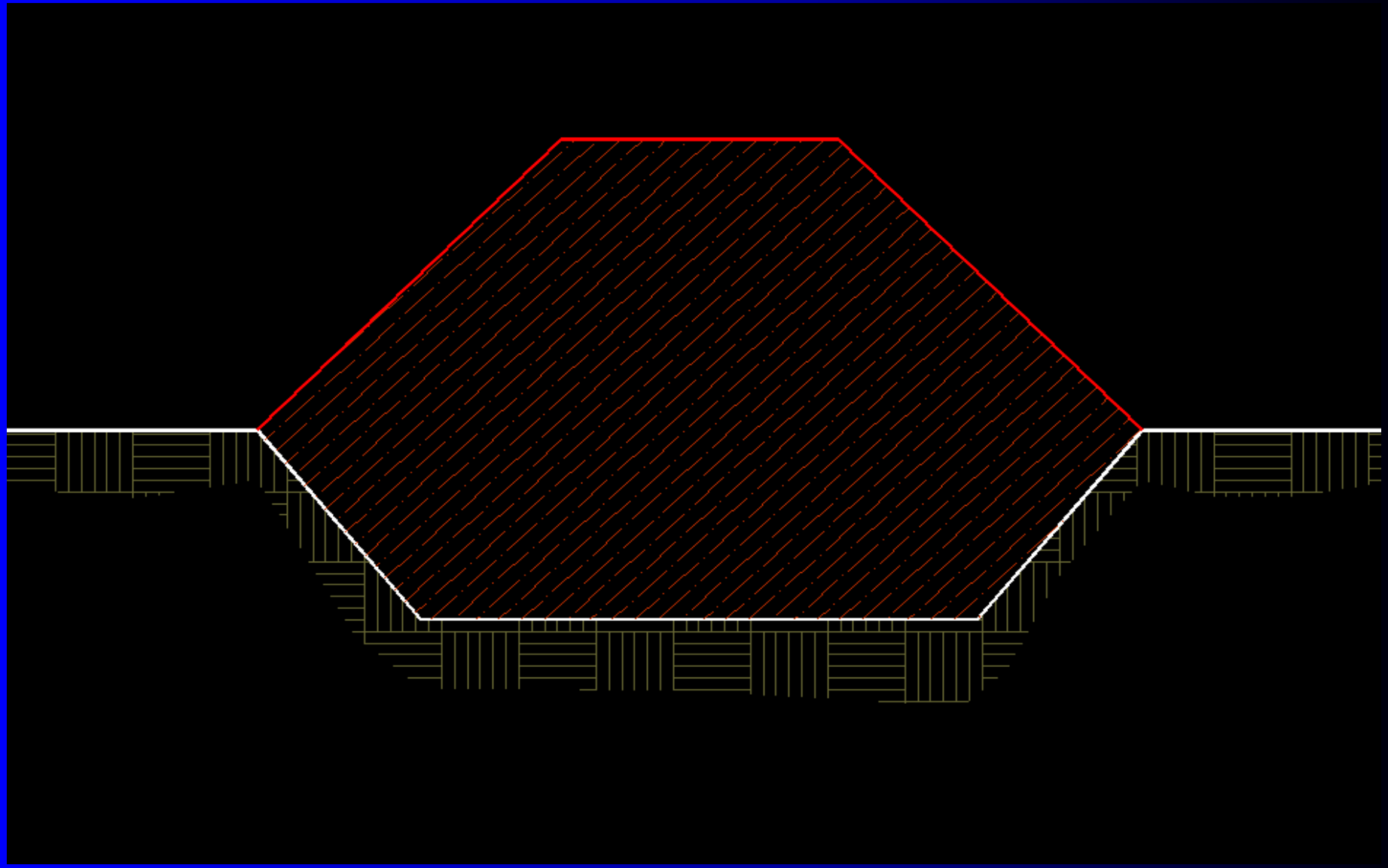
Horizontal Wells

- Advantages
  - Ability to recirculate significant quantities
  - Can be used after landfill cell is completed
- Disadvantages
  - Costs
  - Complicated

Potential Undesirable Impacts

- Increased LFG Generation
- Odors
- Flooding LFG Wells
- Leachate Seeps
- Loss of Air Space

Loss of Airspace?



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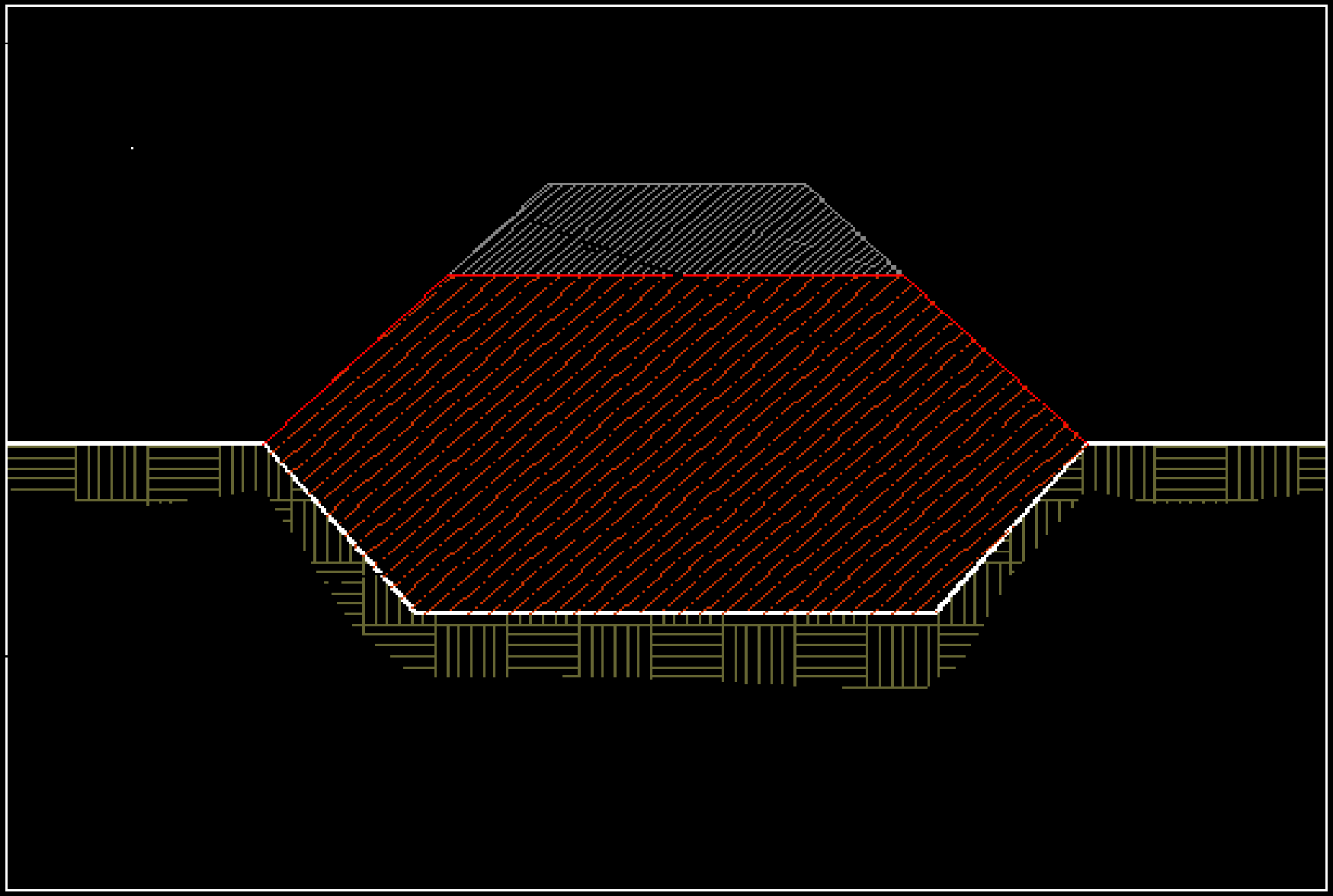

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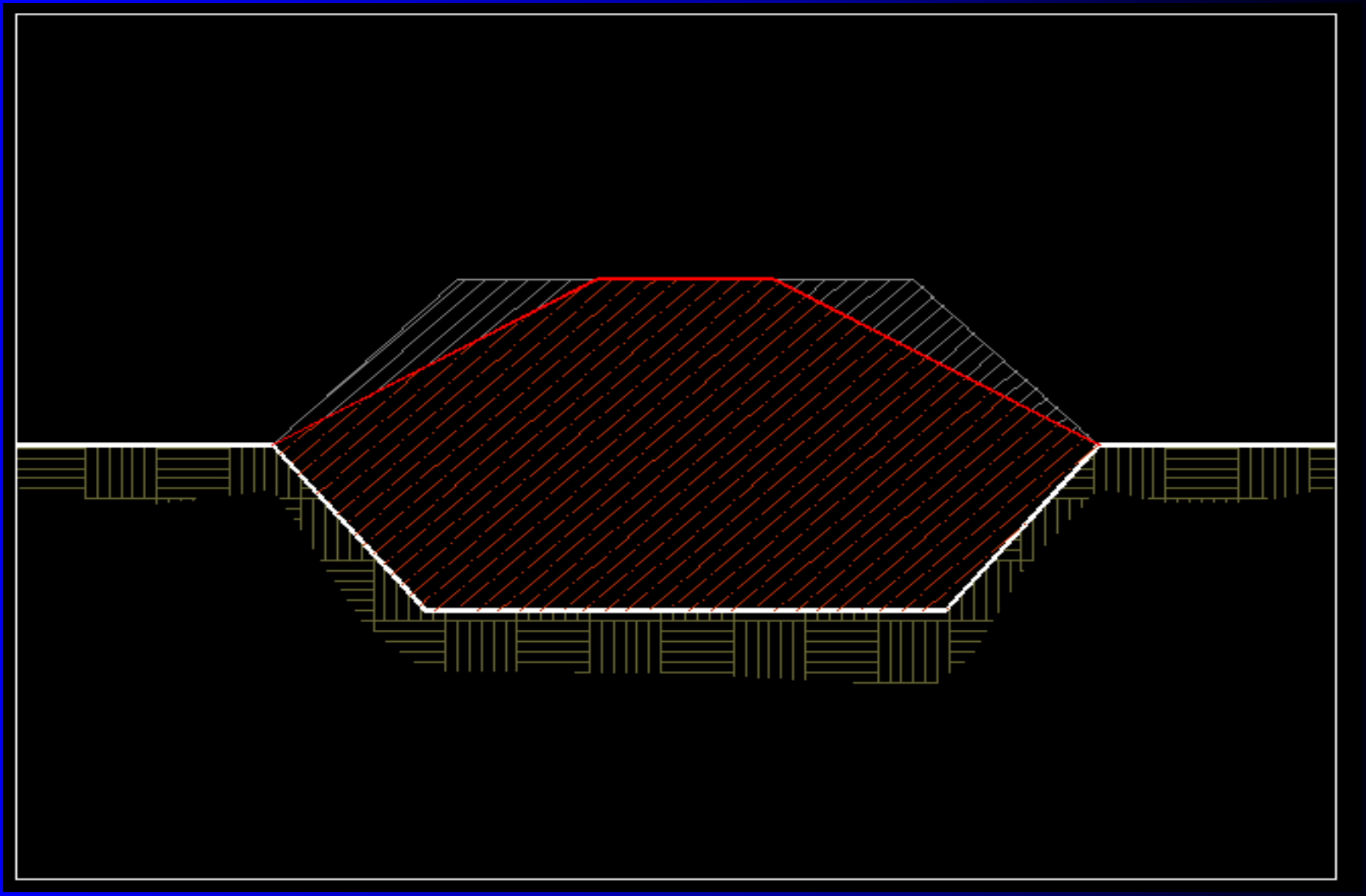

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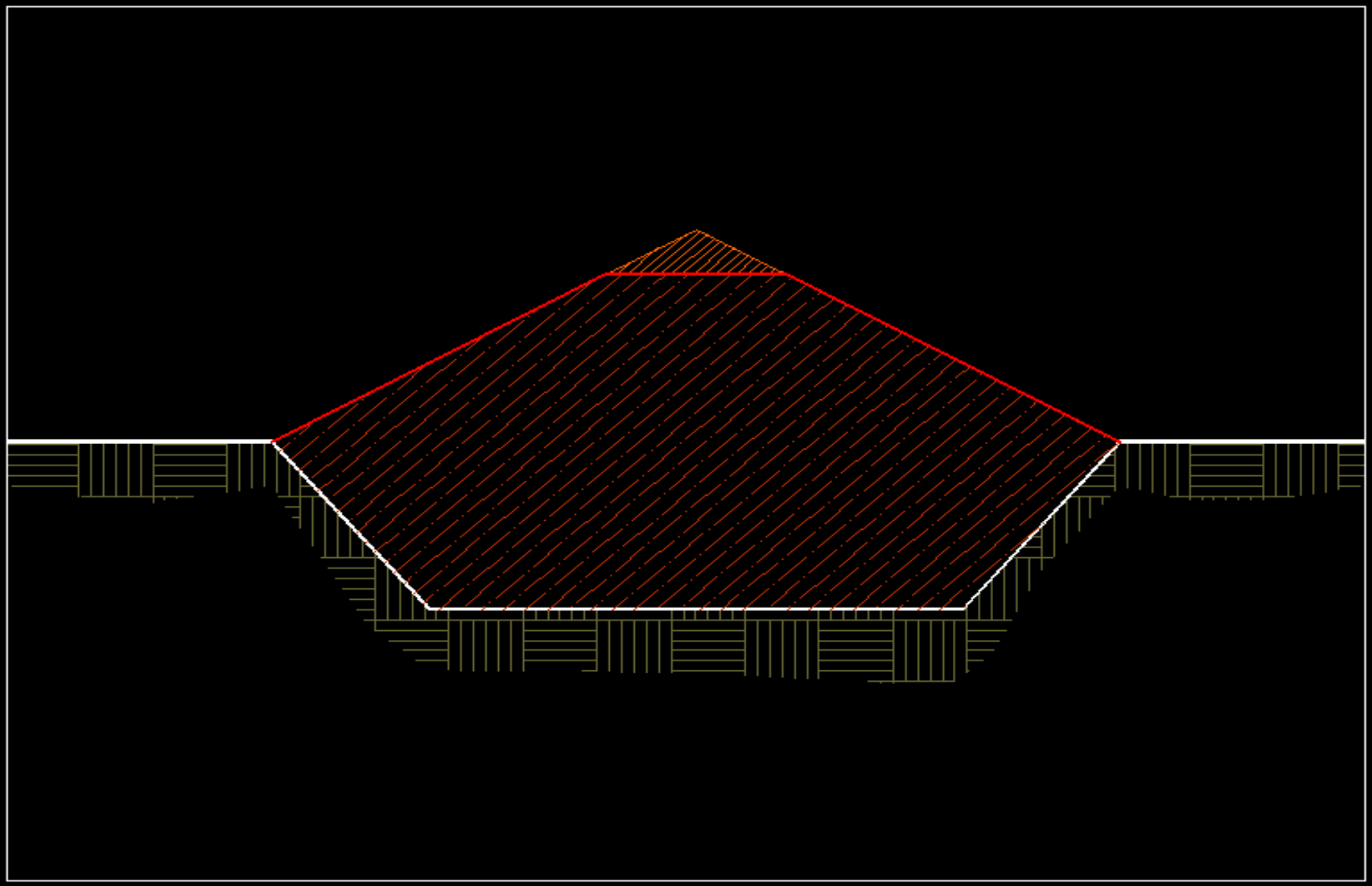

Lands of the
Delaware Solid Waste Authority at the
Central Solid Waste Management Center
in Sandtown, Delaware

	Acres	Hectares
Kent County Tracts A&B	84.56	34.22
Kalish Tract	298.68	120.87
Roe Tract	0.91	0.37
Thomas Tract	144.73	58.57
Dixon Tract	155.94	63.11
Dept. of Transportation Tract	86.44	34.98
Total	771.26	312.12