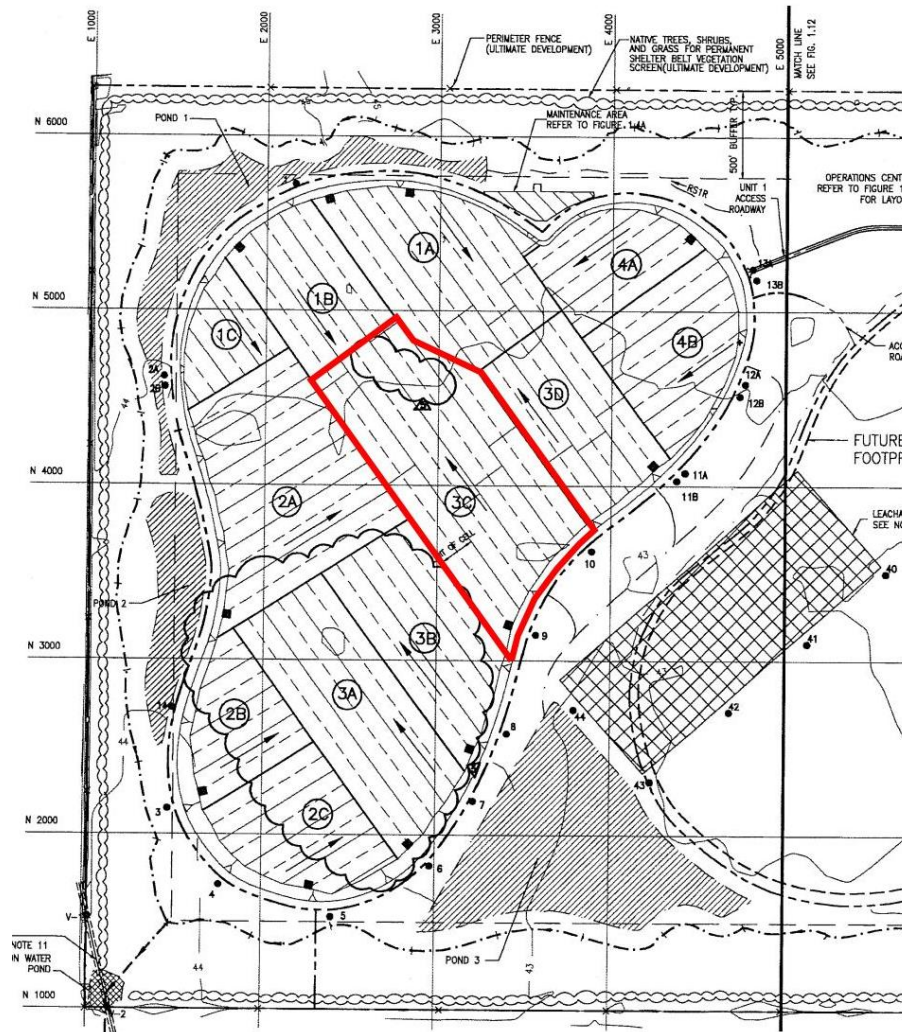




Bond Sale Request For Additional Landfill Capacity



**Council Presentation
January 16, 2018**



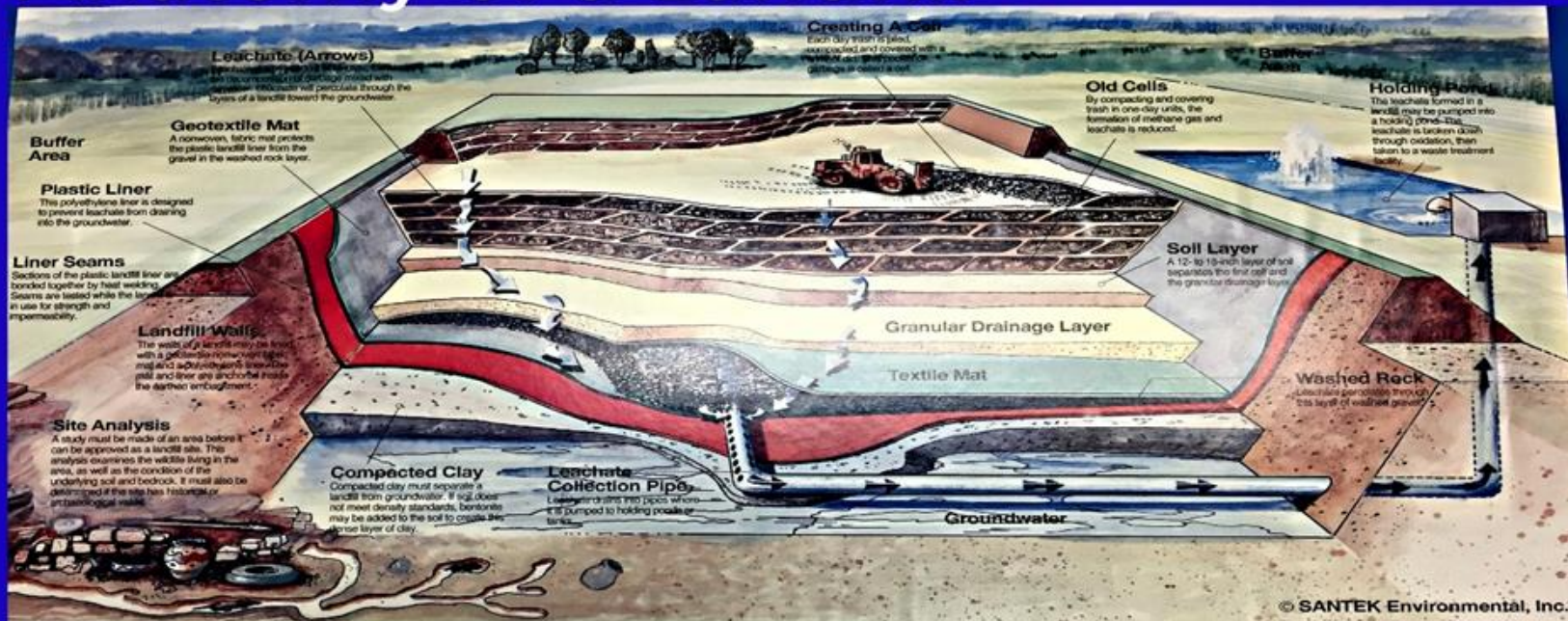


Background



- Located Approx. 12 miles from J. C. Elliott Transfer Station
 - 2,273 Acres
 - 2 Landfill Units
 - 12 times the volume of Elliott Landfill
 - 100+ Years Life Expectancy
 - Highest waste placement at 297ft elevation
 - Started taking in waste – July 2007
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Anatomy of a Landfill



Building A Landfill

Each landfill is designed individually to meet the needs of the community and environment it is located in.

A basic landfill is a pit surrounded by an earthen embankment. This embankment is bordered by a buffer area, where dirt may be removed to cover trash within the pit. Demolition waste, inert materials such as wood and concrete, may be buried in this buffer area.



Original Embankment 1 New Embankment 2



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.

End Use



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.



Current Situation



- Following landfall of Hurricane Harvey Municipal Solid Waste (MSW) tonnage increased by about 17%. We expect the volumes to remain higher than normal through the NEW (post storm) recovery period.
- Approximate historical annual airspace utilization: 780,000 CY/year
- Estimated Post-storm annual airspace utilization: 835,000 CY/year
- Estimated date to reach sector capacity: October 2018



Plan of Action



- Hanson Professional Services was selected through an RFQ to design a NEW Sector for disposal in June 2017
- Design started in FY 17-18 and was subsequently adjusted to incorporate the impacts from Hurricane Harvey
 - Sector 3C was selected as the next disposal cell
 - Area = 30.8 Acres
 - Disposal Capacity = 4,800,000 CY
 - Estimated Life = 5 years
- Funding Mechanism:
 - Certificates of Obligation (COs) - \$7.5M
- Capital Improvement Projects (CIP):
 - Amend the CIP to accelerate this project



Expected Results



This project will follow a “phased construction approach” to minimize the impacts of a possible overflow. An overflow would require double handling of waste, and authorization from TCEQ.

Once the Sector 3C is completed, the overflow would be moved to the New Sector if necessary.



Certificates of Obligations



- Amount requested - \$7,500,000
 - Will be paid from Solid Waste Revenues
 - Annual debt payments are estimated to be approximately \$516,000 per year for 20 years
 - Minimal rate increase depends on the 2019 budget process
 - Required City Council action for Certificate of Obligation's
 - City Council date for the Design Contract is set for January 23rd
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