

# Butler Landfill

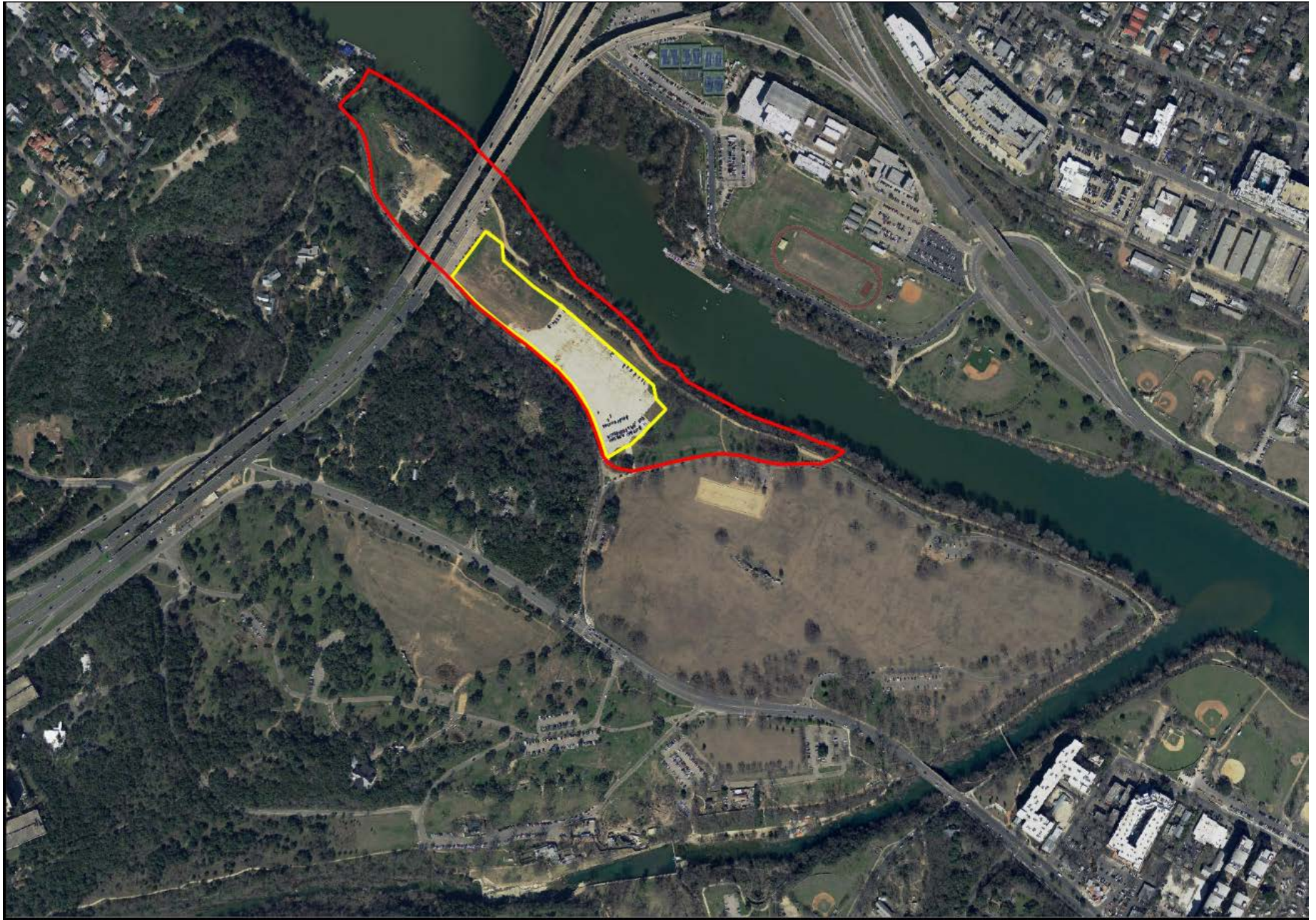
Chris Herrington

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# Council Resolution 20180628-072

- Determine viability of proposed improvement plans to fortify the landfill cap and recommend terms for implementation of the improvements, including pilot solutions.
- Evaluate immediate options for parking outside the park and strategies for reducing traffic in Zilker with goal of piloting options by October 2018
- Make recommendations to establish a plan to permanently remove parking on the Polo Fields
- Provide report by March 2019



# Landfill Protection

- No erosion of cap
- Positive drainage—no surface ponding
- No penetration by trees

## Landfill Operation (1948 – 1967)

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(Clark 1972)

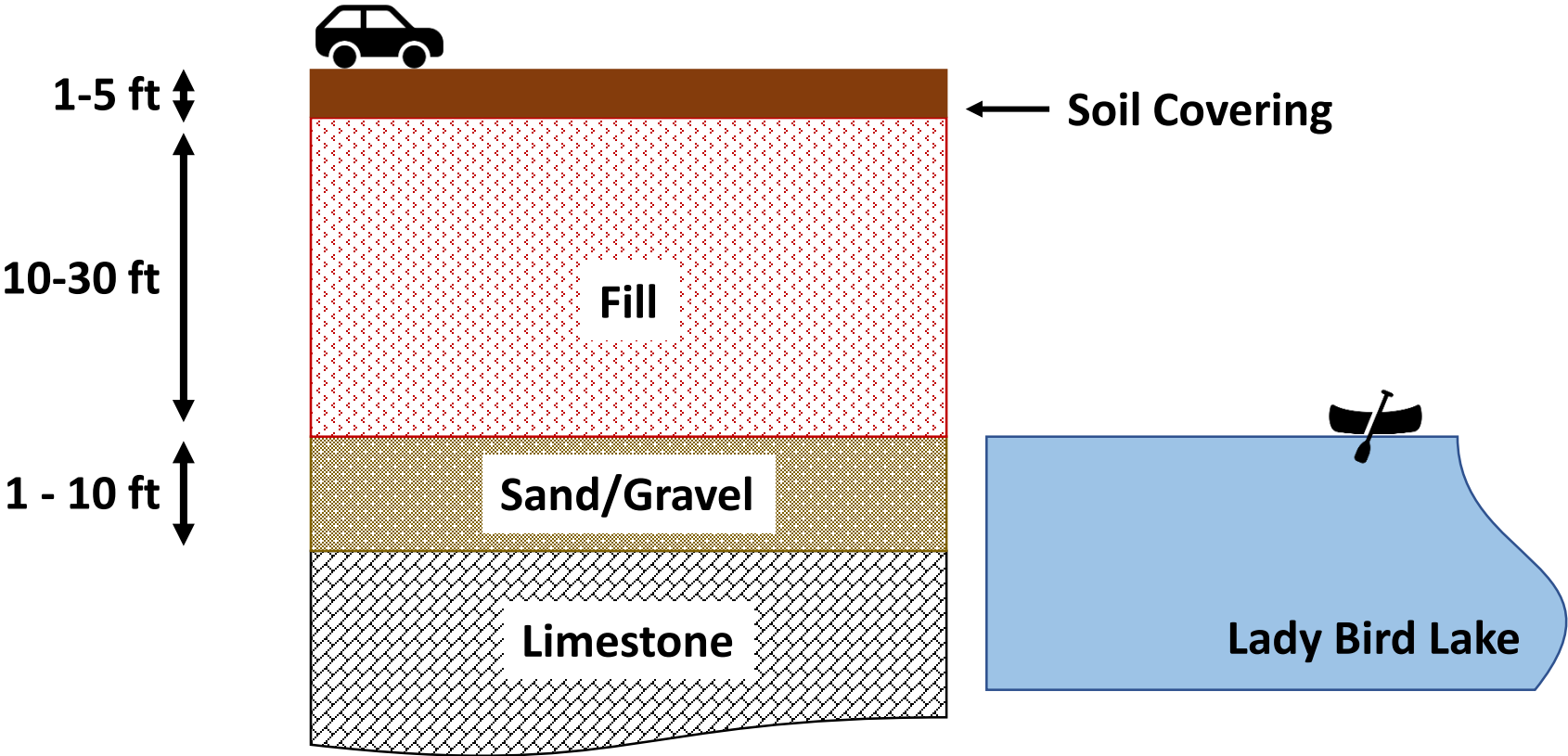
# Landfill Closed



Circa 1970

(Clark 1972)

# Generalized Landfill Profile



*Not to Scale*

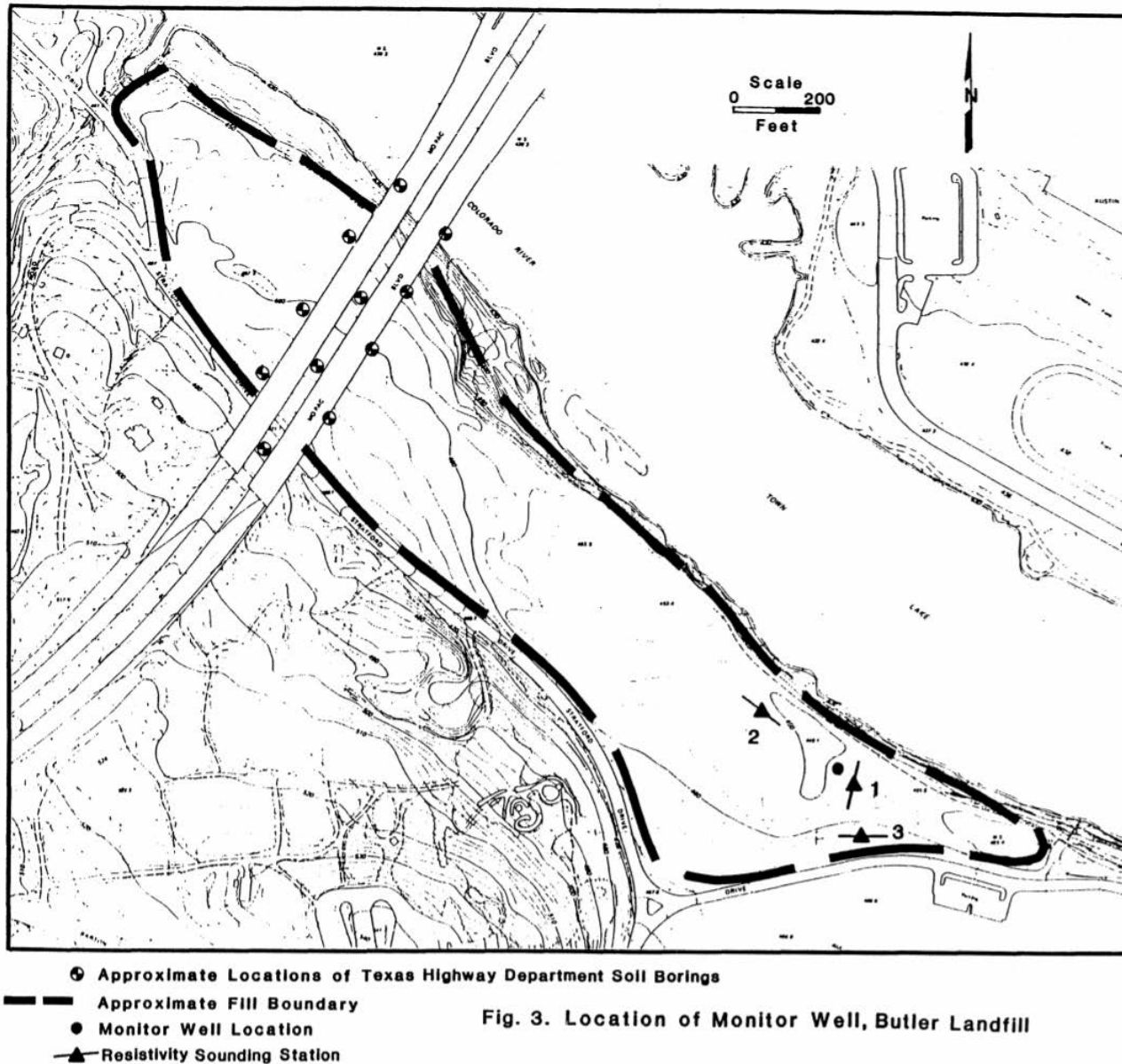
# MoPac Construction (1971)



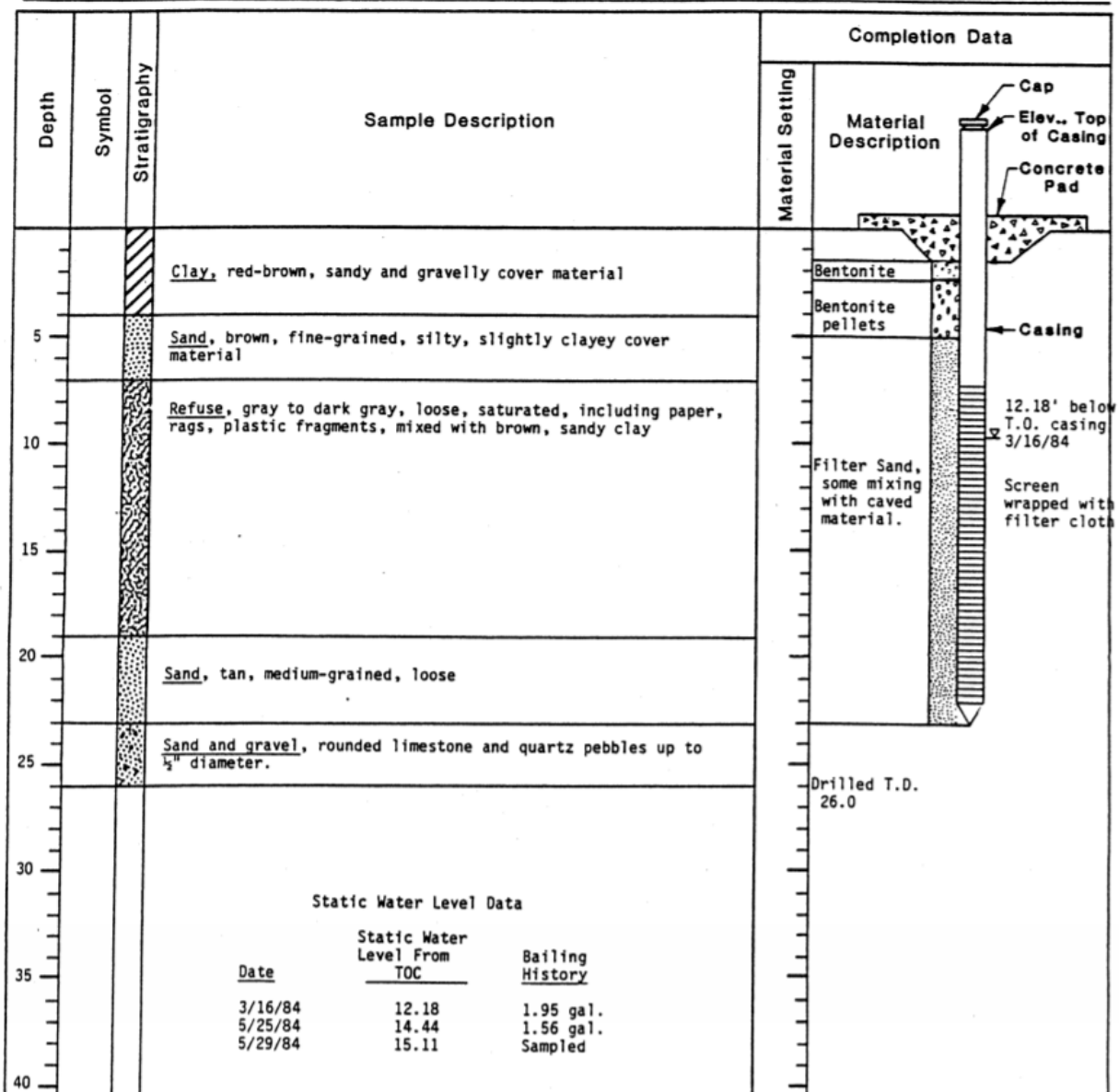
(TexasFreeway.com)



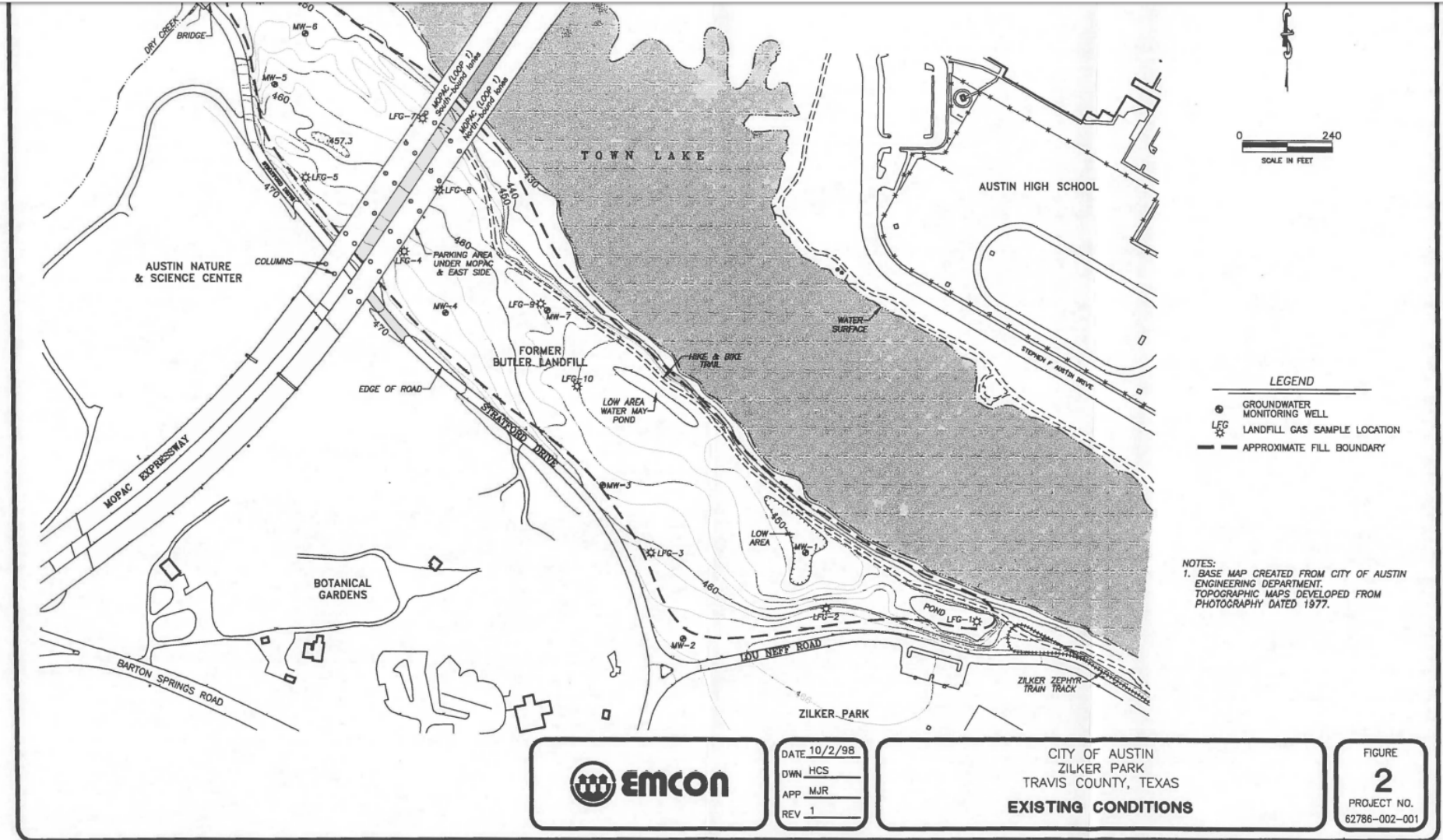
# URM Assessment (1984)



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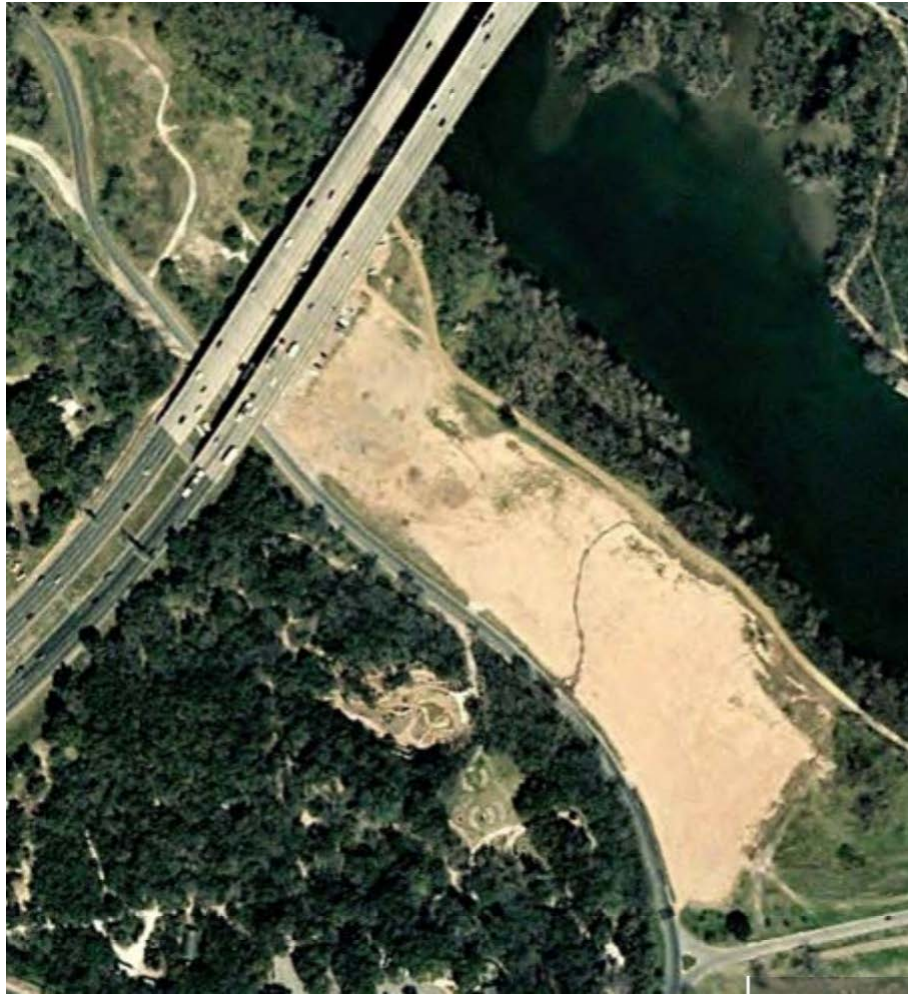
# EMCOM Assessment (1997-1998)



## EMCOM Assessment (1997-1998)

- 2-5 ft clay loam at surface
  - 40 feet to Edwards
  - Groundwater at 10-34 feet
  - Groundwater divide, mounding
- 
- Multiple metals exceeded clean up standards
  - Methane, carbon dioxide indicate active gas

## Fill and Cover (2001-2003)



2002



2003

# Geomatrix Assessment (2004)



## Eanes Creek stabilization (2004-2009)



March 2016

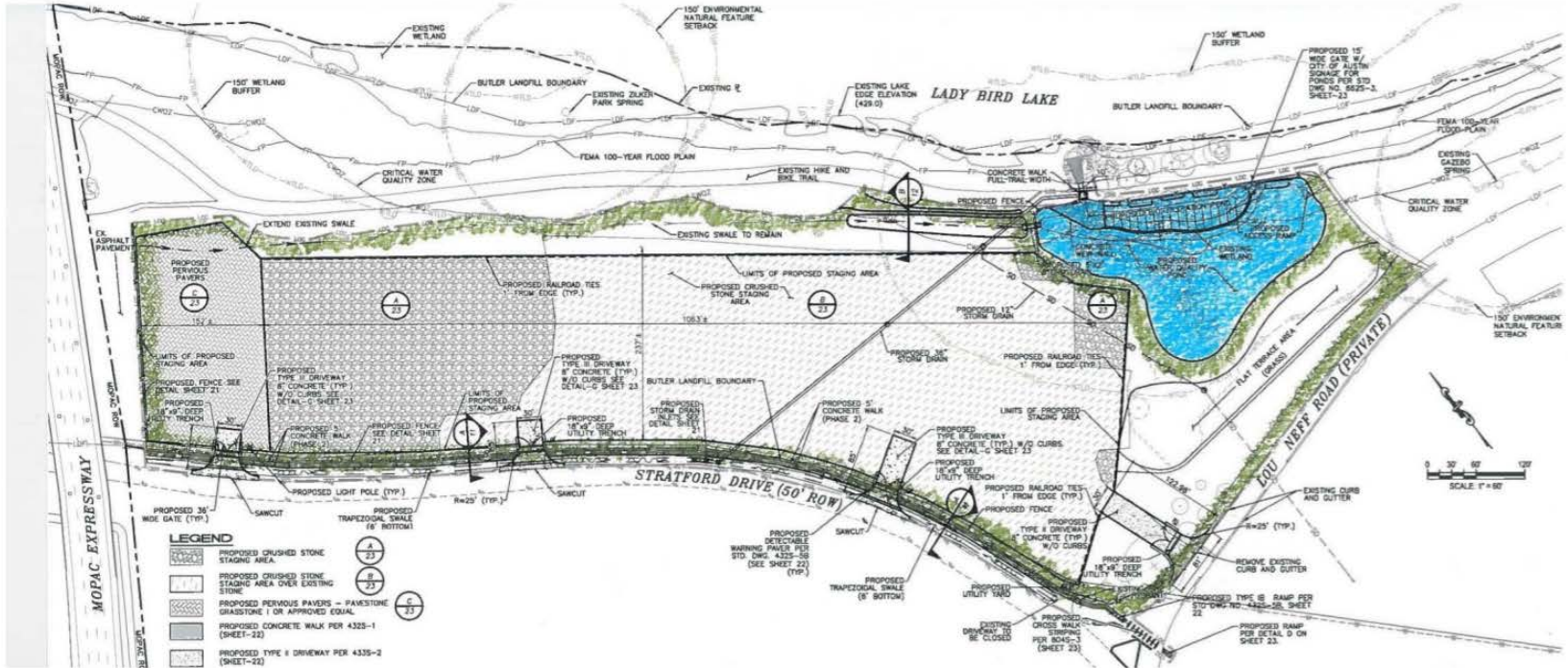




January 2017



# Interim Improvements (June 2018)



Phase 1 – Lot Improvements



Phase 2 – Water Quality Control Structure

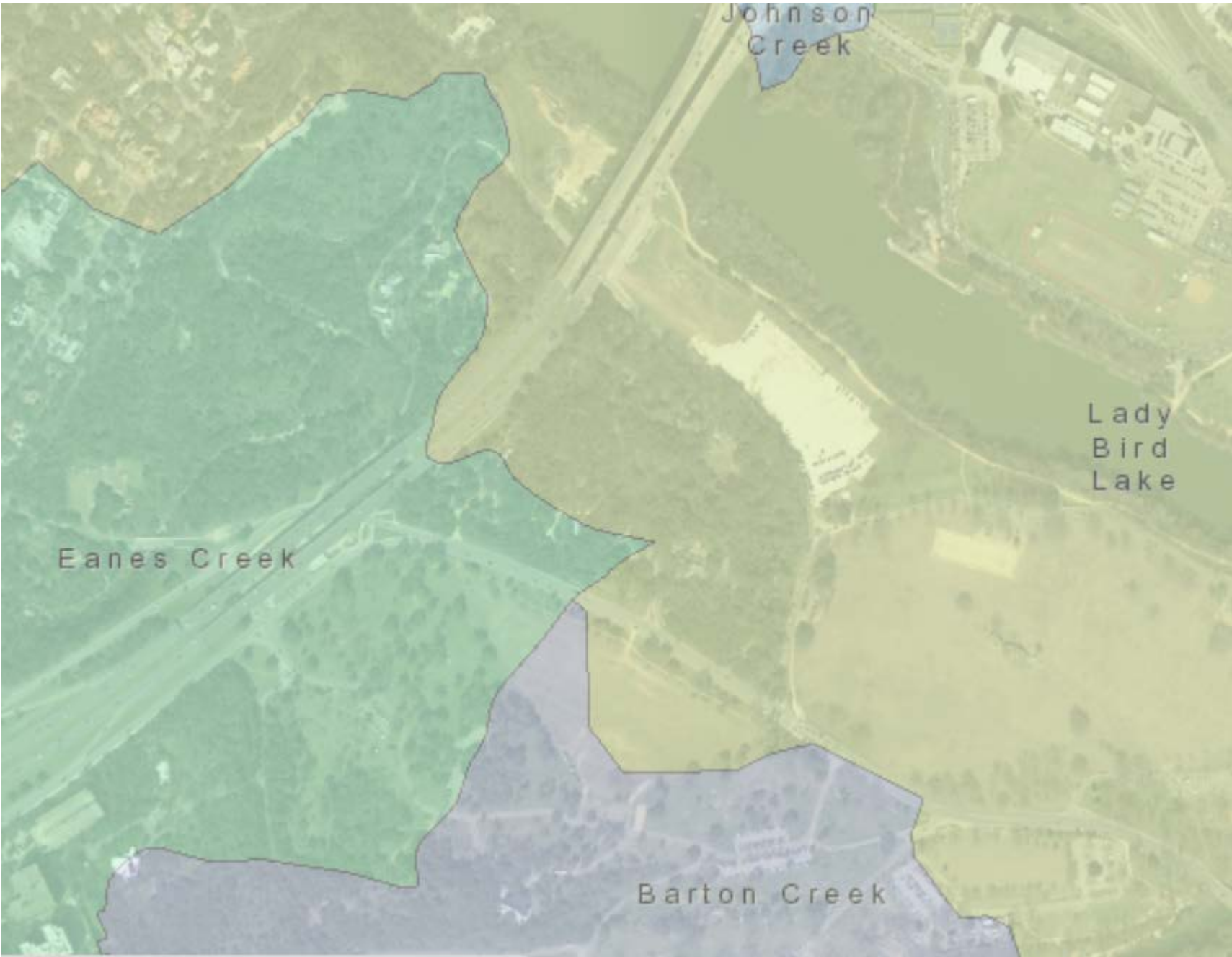


Johnson  
Creek

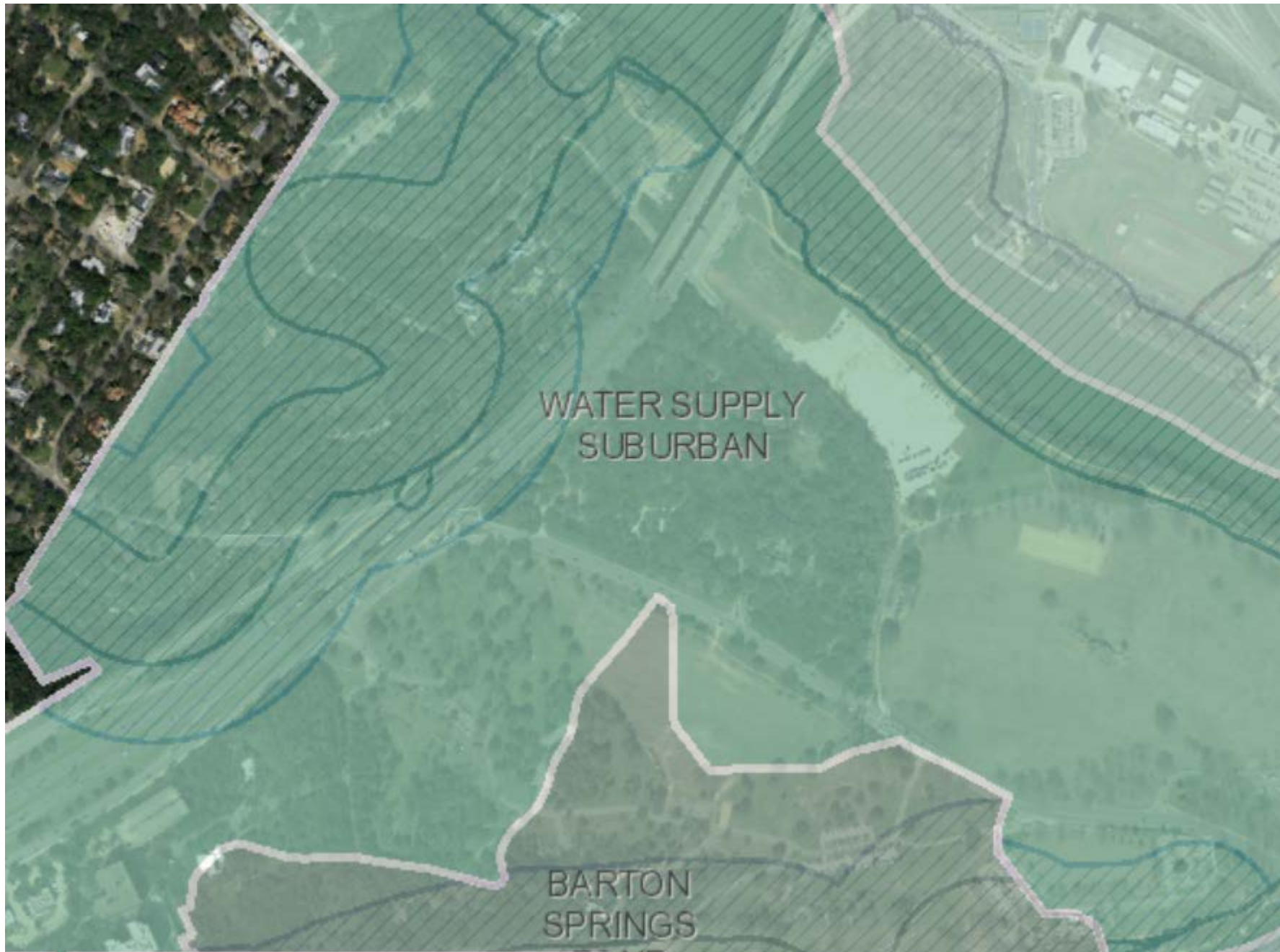
Lady  
Bird  
Lake

Eanes Creek

Barton Creek

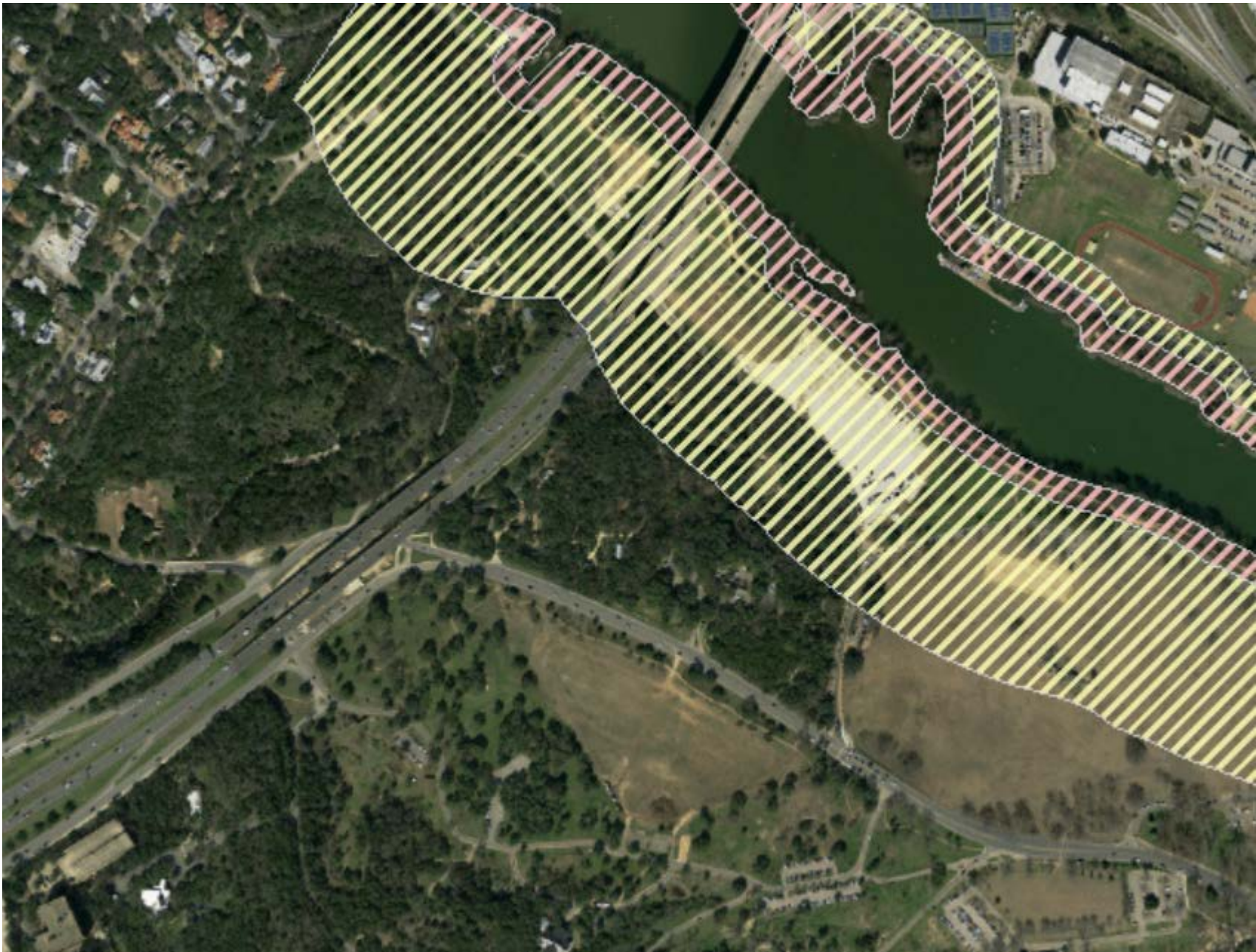






WATER SUPPLY  
SUBURBAN

BARTON  
SPRINGS



# Butler Landfill





# Polo Fields



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