

BERRY CREEK WASTEWATER INTERCEPTOR PROJECT

December 18, 2018

Project Team

City of Georgetown – Owner

Walker Partners – Design Consultant

SWCA – Environmental and Hydrogeology

Cambrian – Geologic Assessment and Karst

Terracon - Geotechnical

Purpose of
Appearance at
Commissioners
Court

Project Purpose

Proposed Route

Parks and Wildlife Code

Requested Easement

Project Purpose

Find most effective solution to provide wastewater service to a growing area

- Projected ultimate service to 25,000 LUEs in the basin for existing and future customers

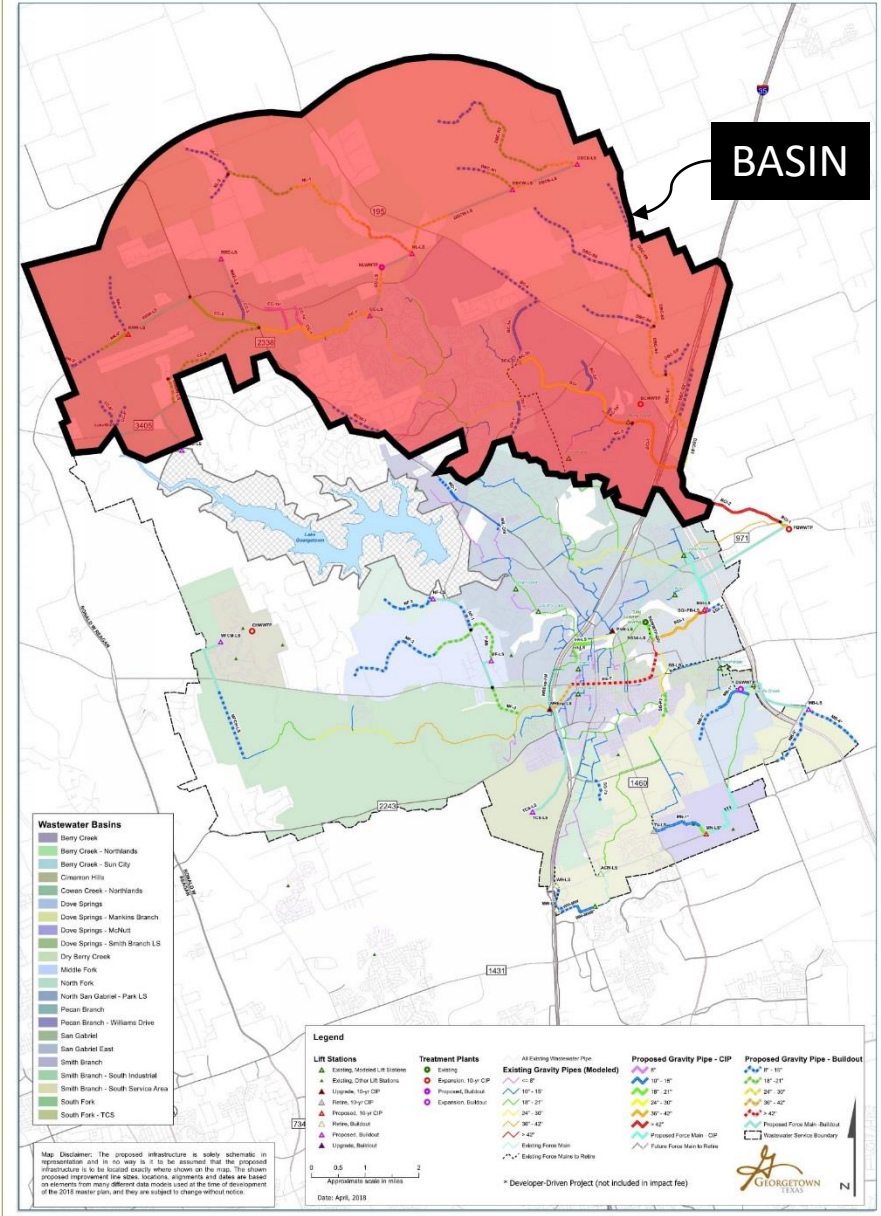
Items of consideration

- Environment
- Cultural Resources
- Constructability
- Maintenance
- Operability
- Permitting
- Risk Reduction

DRAFT

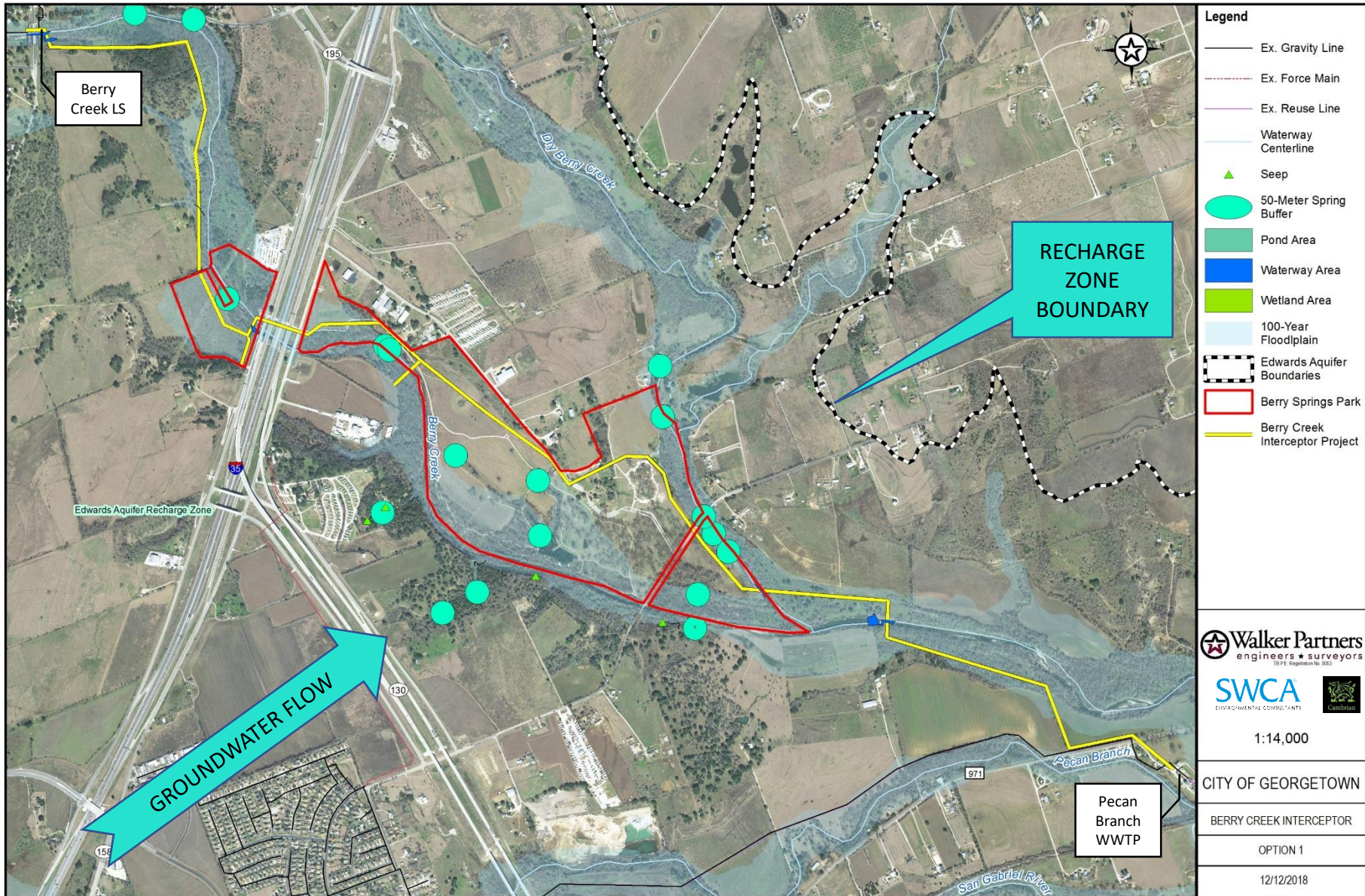
Wastewater Master Plan

Ten-Year Capital Improvements Plan and Buildout
Proposed Projects, Georgetown Utility Systems



PREFERRED OPTION

Gravity interceptor following Berry Creek through Berry Springs Park



Field Investigation Resource Map

Waters of
the U.S.

Wetlands

Springs

Seeps

Cultural
Resources



Geologic Assessment

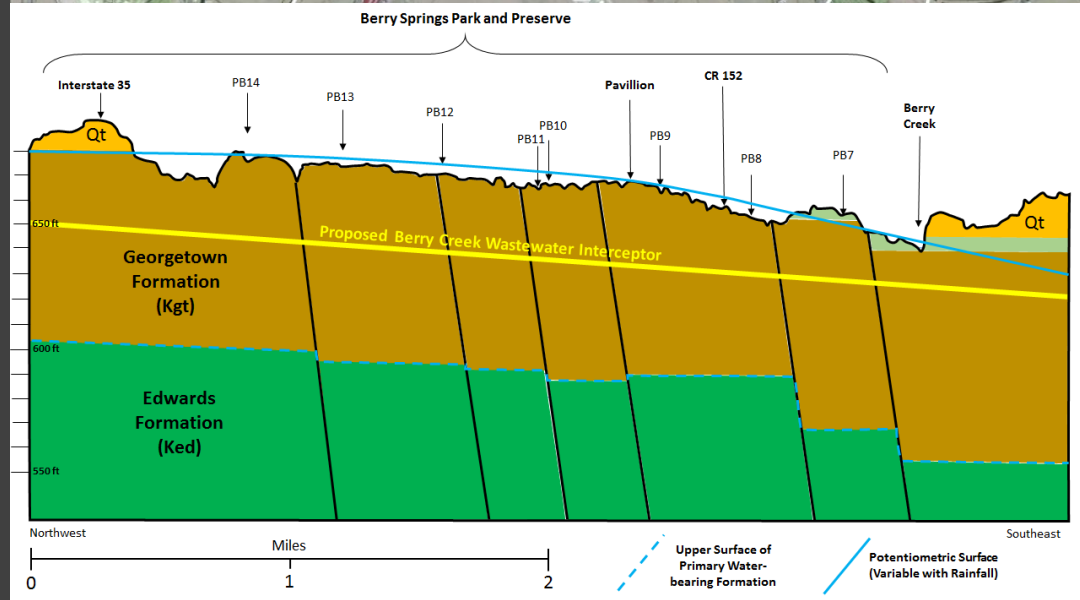
Review of previous geologic studies and scientific literature

Field investigation of creeks, springs, faults, topography, etc.

Geotechnical borings and soil sample testing

Piezometer readings of groundwater flow through Georgetown Formation

Edwards Aquifer recharge, flow and discharge



Parks and Wildlife Code

TITLE 3. PARKS

CHAPTER 26. PROTECTION OF PUBLIC PARKS AND RECREATIONAL LANDS

Sec. 26.001. PROTECTED LAND; NOTICE OF TAKING.

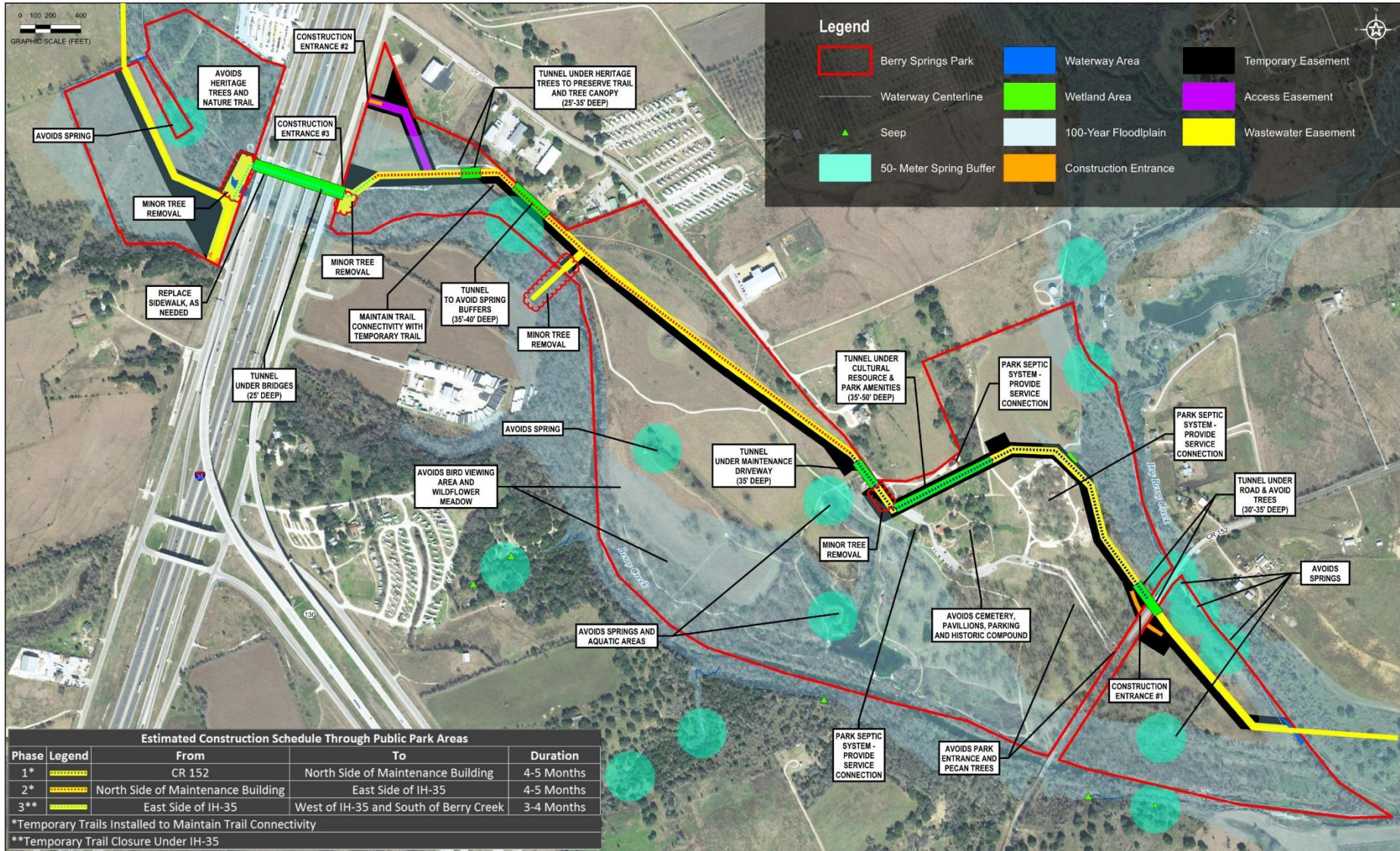
(a) ...may not approve any program or project that requires the use or taking of any ... park ... unless...

(1) there is no feasible and prudent alternative to the use or taking of such land; and

(2) the program or project includes all reasonable planning to minimize harm to the land ... resulting from the use or taking.

Feasible and Prudent - Recommended Route

Gravity interceptor following Berry Creek through Berry Springs Park



What planning is included to protect the Edwards Aquifer and Spring Hydrology?

Minimum 50-meter buffer from all springs to avoid direct impacts

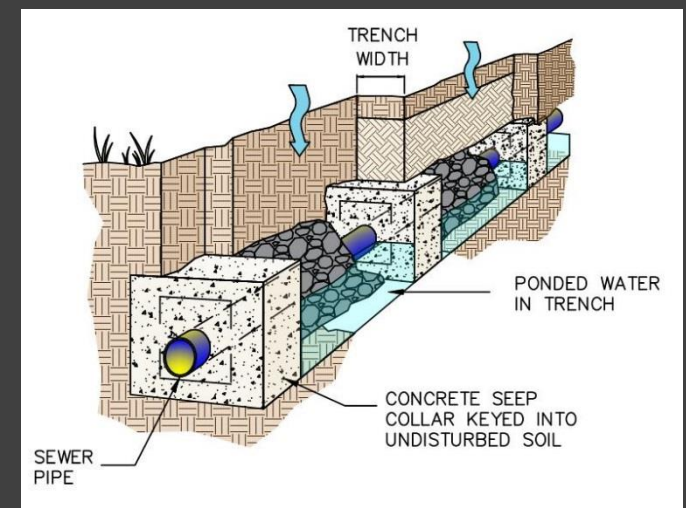
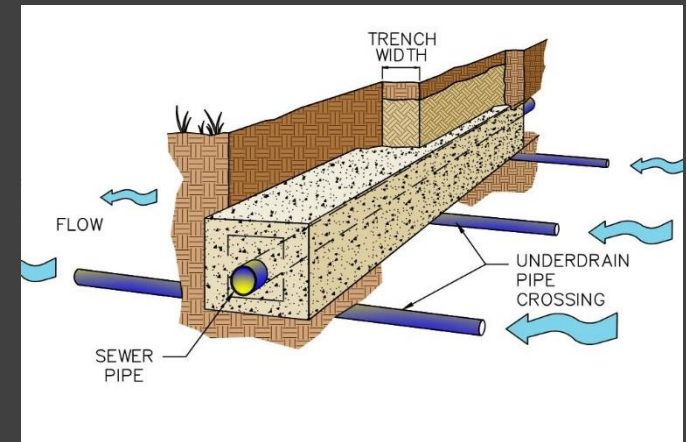
Construction monitoring for sensitive hydrologic features by professional geoscientists

Implementation of Best Management Practices (BMPs) to maintain site hydrology (under drains, seep collars, etc.)

Additional BMPs per approved TCEQ Edwards Aquifer Protection Plan

Install pipe with leak-proof joints and water-tight manholes

Conduct internal inspection of pipeline every 5 years



What planning is included to minimize harm to the land?

Preserve all heritage trees and avoid potential damage

Use silt fence to protect creeks from sediment runoff during construction

Collaborate with park supervisor on construction schedule

Provide multiple construction entrances away from park entrance

Use temporary chain link fence to protect pedestrians and wildlife during construction

Limit the length of open trenches and cover/fill trenches over night

Provide temporary trails during construction, and restore trails and replace sidewalks after construction

Place manhole cones and covers level with natural ground

Restore preferred material and vegetation to disturbed areas in cooperation with County and County experts

Discussion and Next Steps

Commissioners' Comments

Public Hearing

Commissioners' Direction

Inputs / Comments