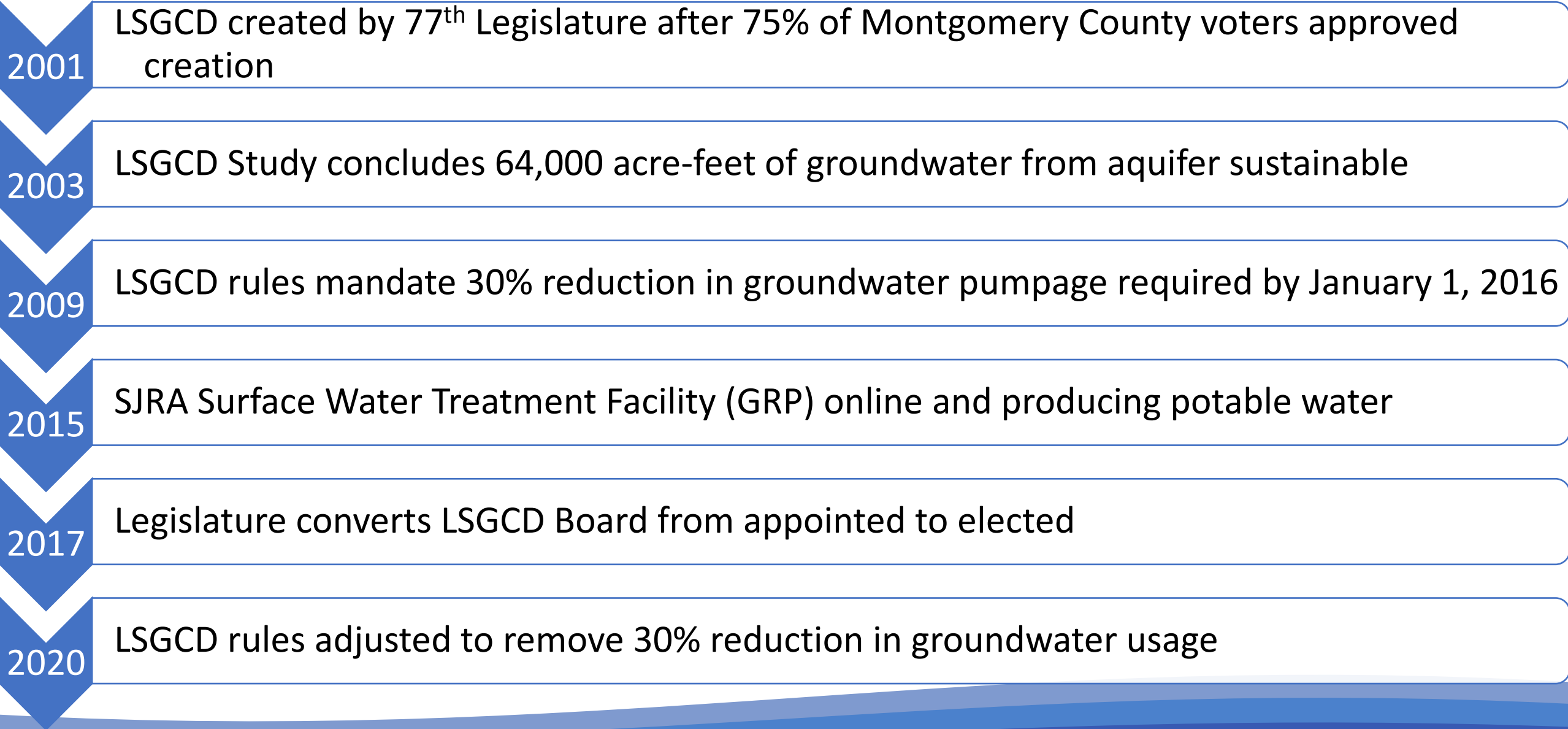




# **The Woodlands Township Meeting**

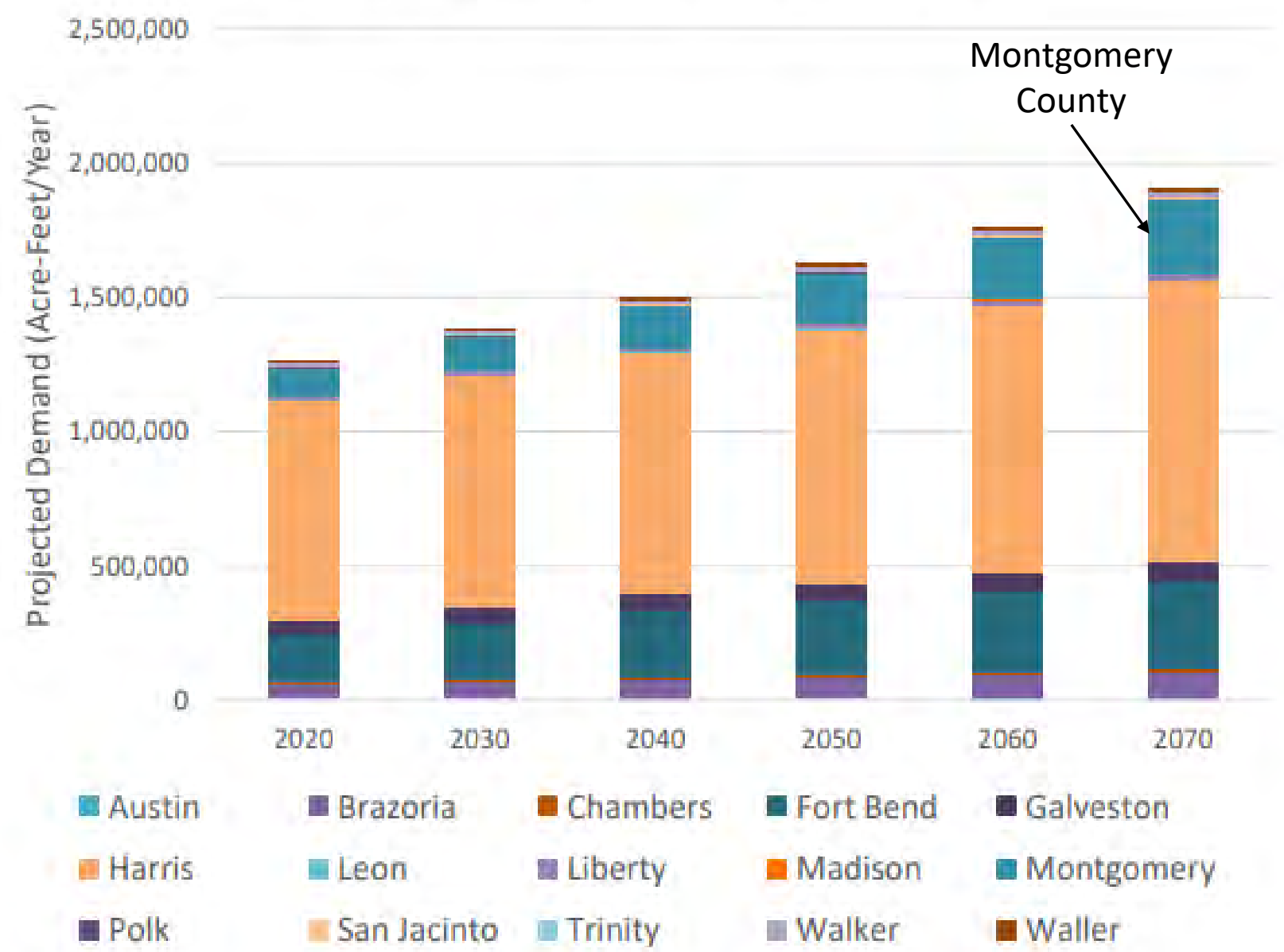
**October 19, 2023**

# GRP Timeline



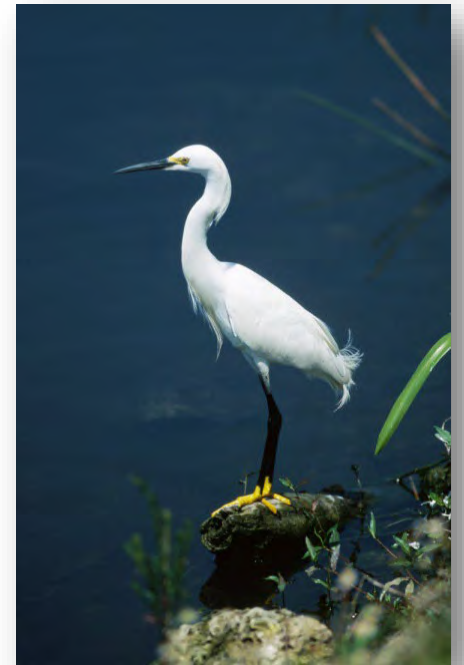
# Region H 2021 State Water Plan Water Demand Projections

Figure 2-3 – Projected Population Water Demand Growth



# The Goal of SJRA's Groundwater Reduction Plan (GRP) is to:

- Create a compliance solution available to ALL Montgomery County systems
- Eliminate depletion of groundwater supplies and stabilize groundwater levels
- Achieve the lowest possible cost in a manner that treats all Participants fairly and equitably



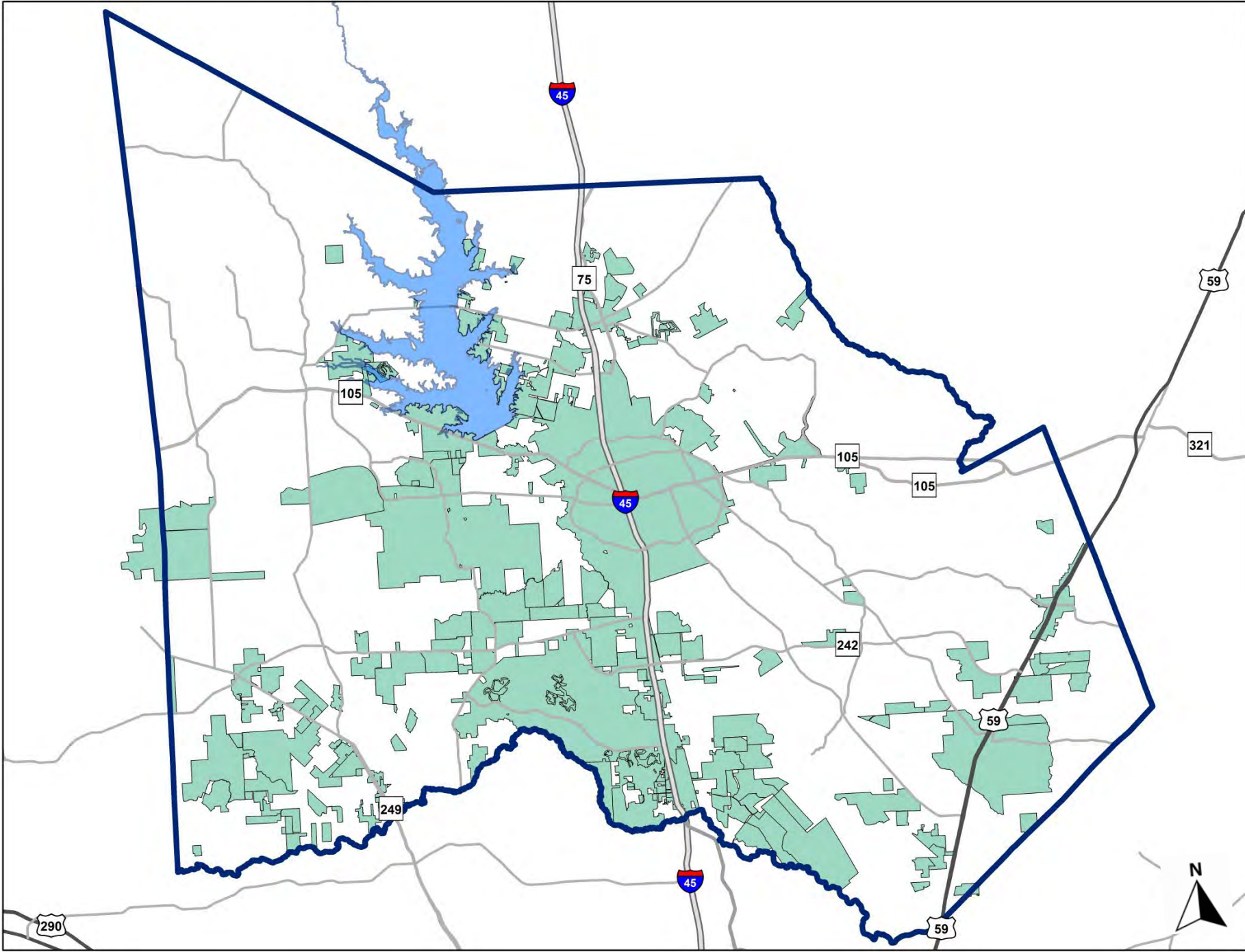


The regulation side  
of reducing our  
dependence  
on groundwater



# GRP Participants

80 Contracts  
with  
149 Water  
Systems



# GRP Review Committee

## *(Created by Executing GRP Contract)*

6 members (appointed or elected) to advise SJRA regarding the GRP

- Woodlands Water Agency
- City of Conroe
- Cities other than Conroe
- MUDs west of I-45
- MUDs east of I-45
- Investor-Owned Utilities

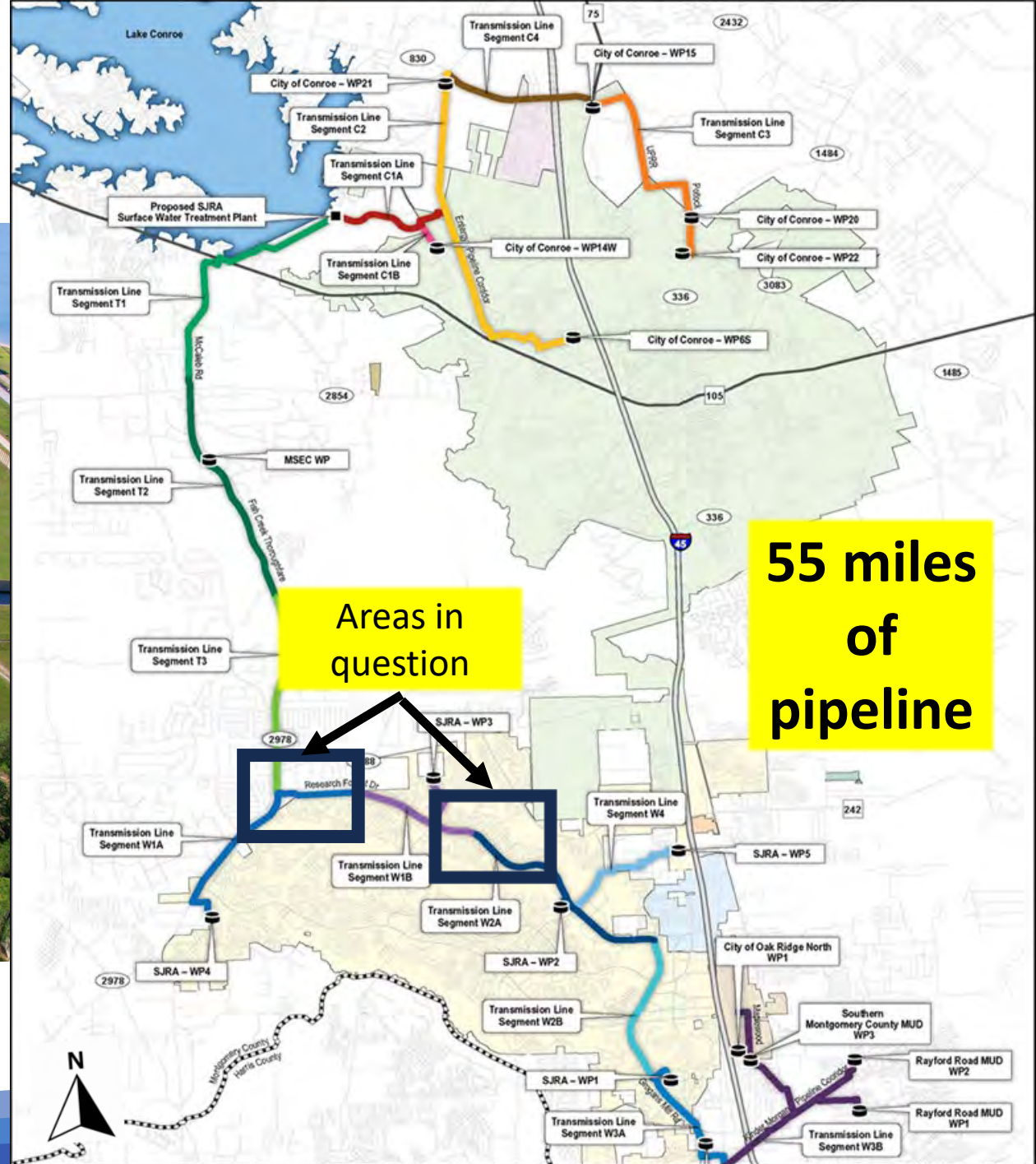




# GRP System

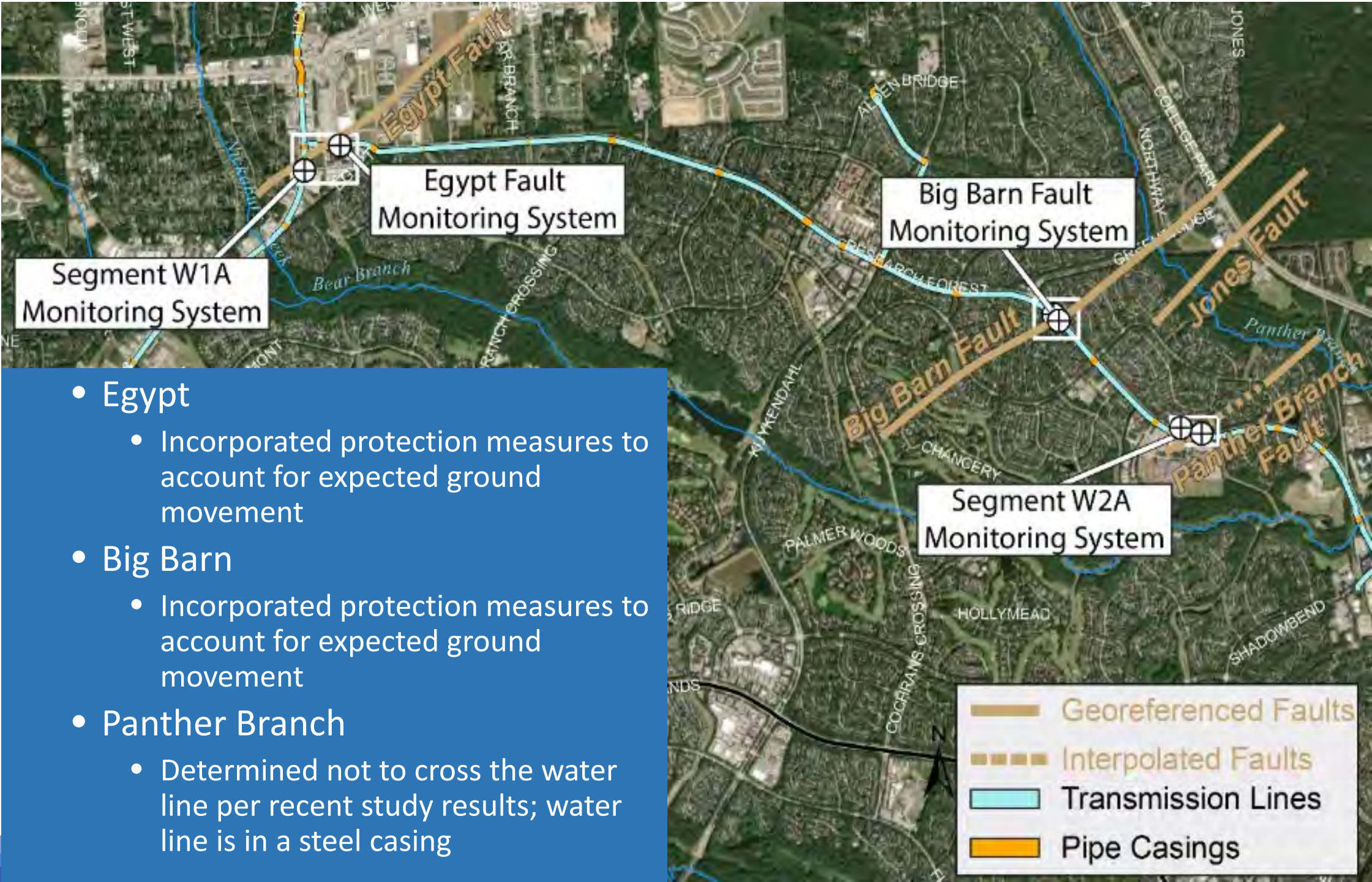


**30 million gallon a day  
surface water treatment  
facility**





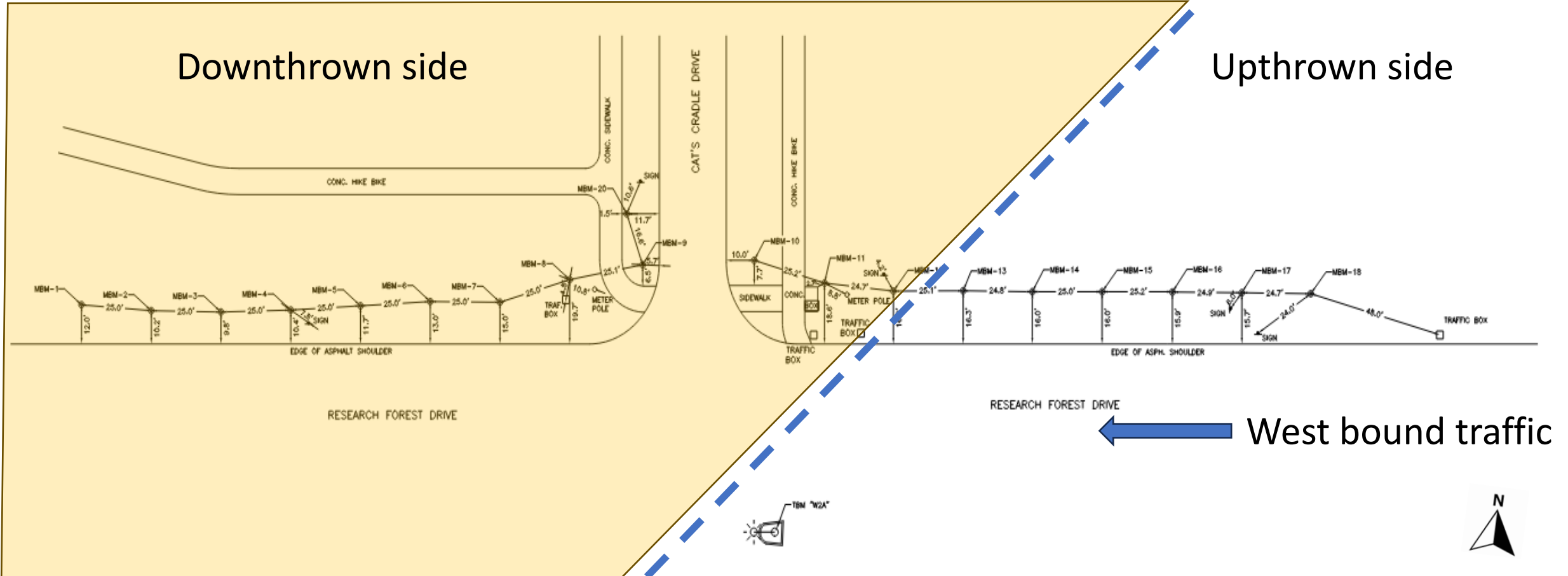
# GRP Transmission Line Known and Suspected Faults



- Egypt
  - Incorporated protection measures to account for expected ground movement
- Big Barn
  - Incorporated protection measures to account for expected ground movement
- Panther Branch
  - Determined not to cross the water line per recent study results; water line is in a steel casing

# Suspected Panther Branch Fault

Suspected Panther Branch Fault



CISD Woodlands High School Property

# Survey and Study Summary

- Installed fault protection adequate for movement on known faults
  - Survey results checked against design parameters
- Panther Branch Fault showed no evidence of subsurface faulting identified during design nor recent study
- Surface monitoring conducted every 6-months since 2015
  - Recent study recommended once a year to once every 5 years
  - GRP Review Committee concurred with once per year
- Fault line maps and reports can be found at <https://www.sjra.net/grp/fault-monitoring/>



# Questions

## Contact Information:

Ed Shackelford, PE

Acting General Manager/Director of Operations

[eshackelford@sjra.net](mailto:eshackelford@sjra.net)

Cell: 832.754.2074

