



# DEVELOPMENT IMPACTS TO THE SOUTH PRONG INTERCEPTOR

APRIL 23, 2019

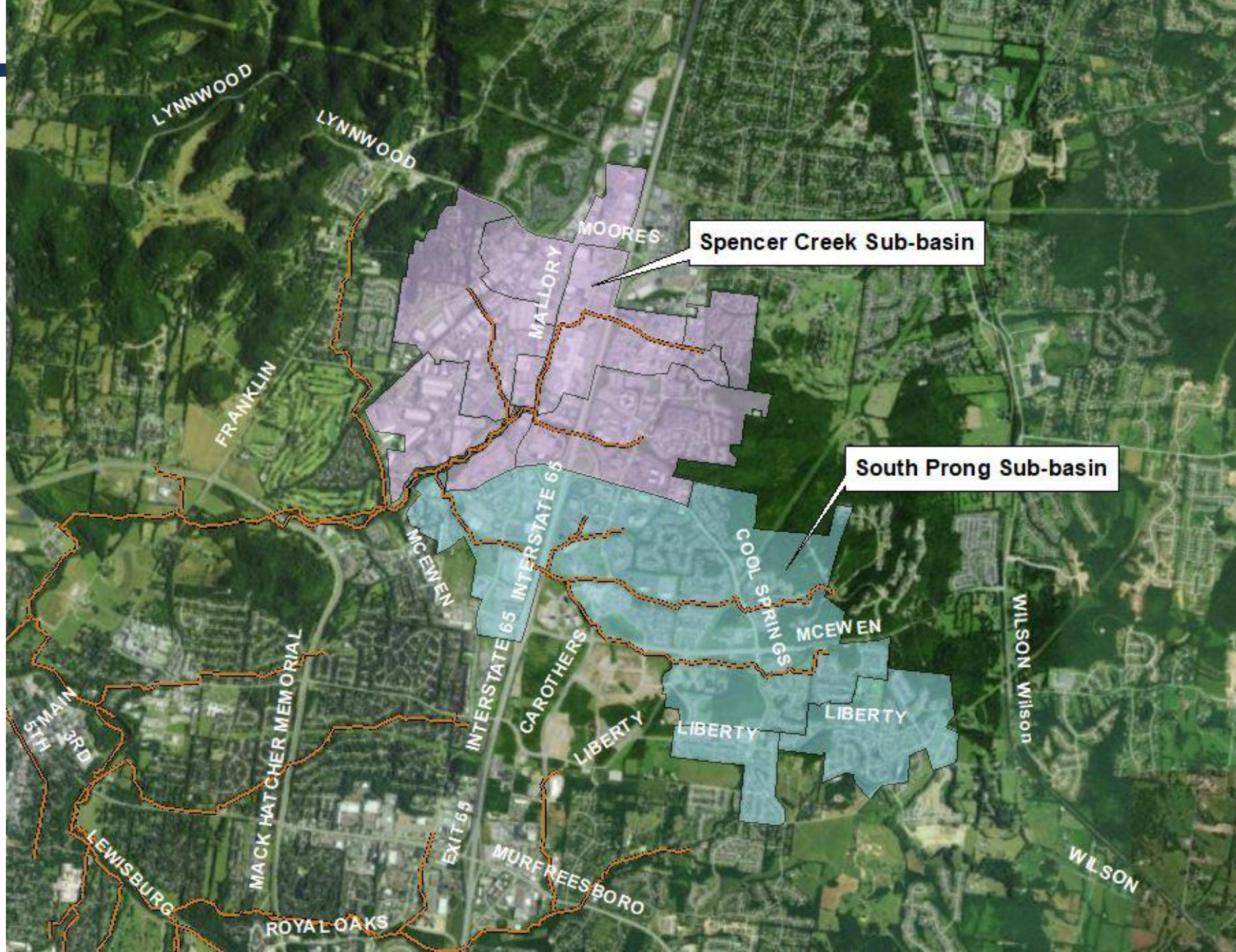
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MANAGEMENT

# DISCUSSION OUTLINE

- Sewer availability requests
- Status of capacity in South Prong Interceptor
- Overview of South Prong basin densities
- Overview of South Prong Interceptor capacity
- Anticipated costs
- Next steps

# SEWER AVAILABILITY REQUESTS

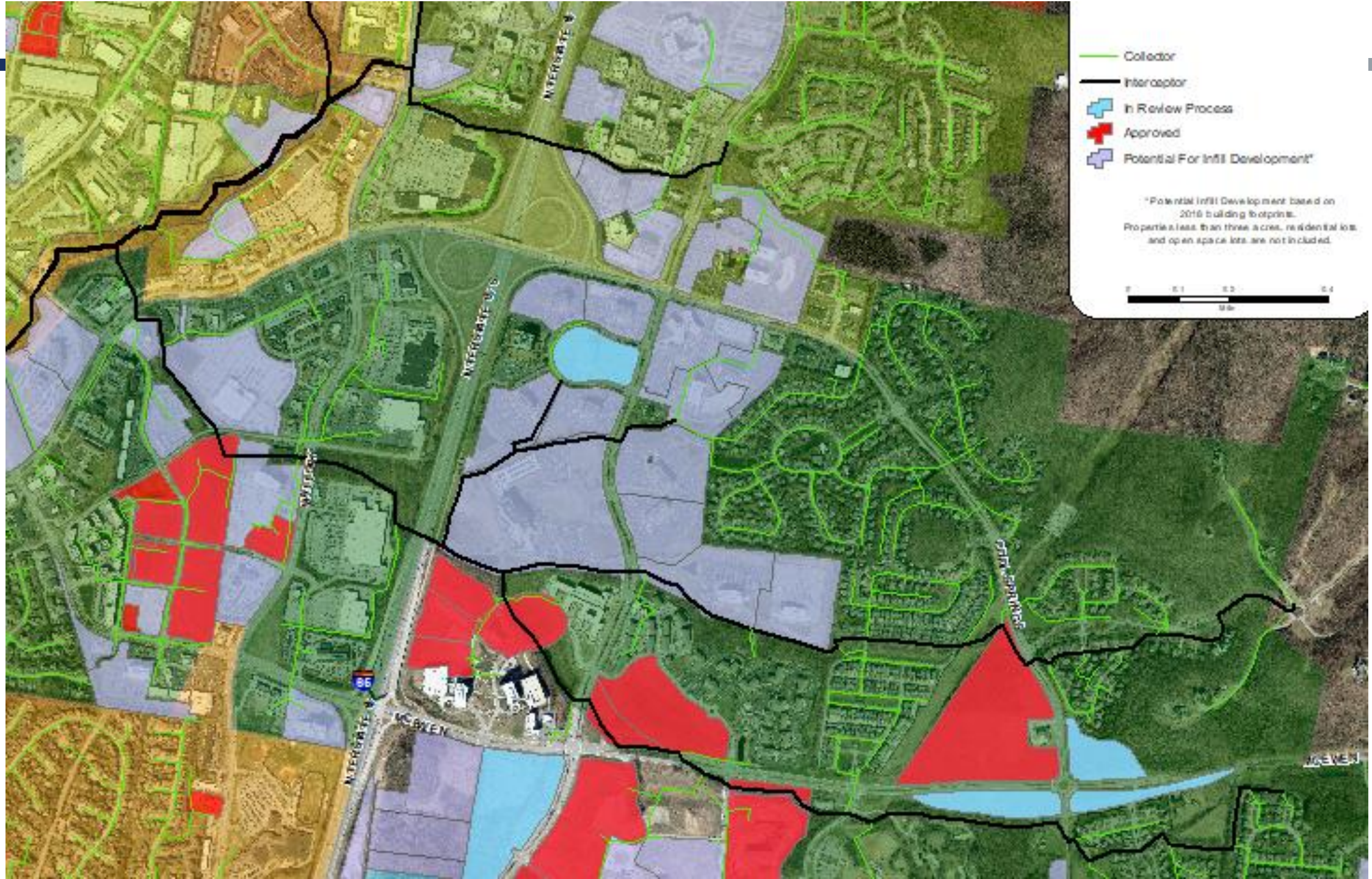
- Hardcopy request received by WMD
  - Engineer calculated SFUEs and submits for approval
- Large requests entered into the Capacity Tool
  - Integrated with GIS to spatially show areas of low capacity
  - Tool is updated based upon the hydraulic model – updated every two years based upon calibration with actual flow monitoring data



# STATUS OF SOUTH PRONG INTERCEPTOR

- Total flow contribution into South Prong of 6,302 SFUE or 2,205,700 gallons
- Capacity Tool indicates significant exceedance of the availability capacity for flow & associated peaking factor

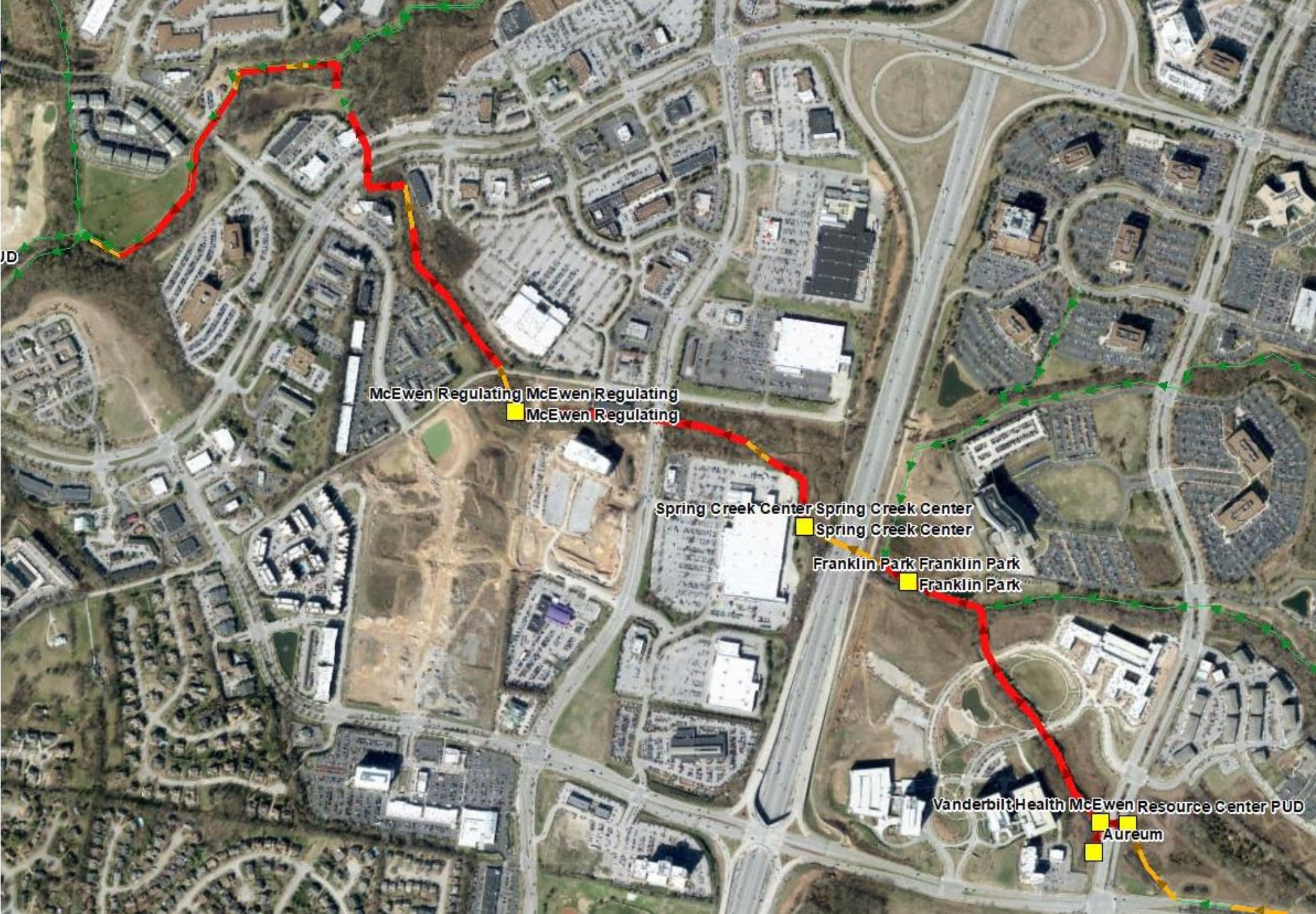
Address/Development	SFUEs Requested	Status
508 Duke Drive	2	Approved
3140 Garden Club Court	155	Approved
200 Mallory Station Road (Gatherings at Mallory)	93	Approved
Avalon Square	766	Approved
Aureum	1,440	Approved
McEwen Block D Restaurant	38	Approved
122 Market Exchange Court	333	In review
Eastworks	2,687	In review
Resource Parkway	788	In review



- Collector
- Interceptor
- In Review Process
- Approved
- Potential For Infill Development\*

\*Potential Infill Development based on 2016 building footprints. Properties less than three acres, residential lots, and open space lots are not included.





McEwen Regulating  
McEwen Regulating  
McEwen Regulating

Spring Creek Center  
Spring Creek Center  
Spring Creek Center

Franklin Park  
Franklin Park  
Franklin Park

Vanderbilt Health  
McEwen Resource Center PUD  
Aureum

# ANTICIPATED CONSTRUCTION

- WMD anticipates the need for additional capacity in this area through the upsize of the interceptors that convey flow to the WRF
- Plans have been made by a consultant for increasing diameter of line and new alignment, however, will need to be modified to increase diameter further upstream construction
- Improvements estimated around **\$15 – 20 million** (additional design, easement acquisition, construction, inspection, improvements, etc.)



# NEXT STEPS

- WMD is at a critical point for issuing availabilities in this basin without further improvements
- Approximate 3 - 4 year timeframe for easement acquisition & construction
- WMD recommends implementation of a Capacity Fee to allow for construction to begin, with recapture by City as development continues to infill
- Begin discussions with stakeholders, return to the BOMA a Capacity Fee Resolution for the South Prong Interceptor