



## Replace Parkwide Utility Infrastructure

CATO - 250011



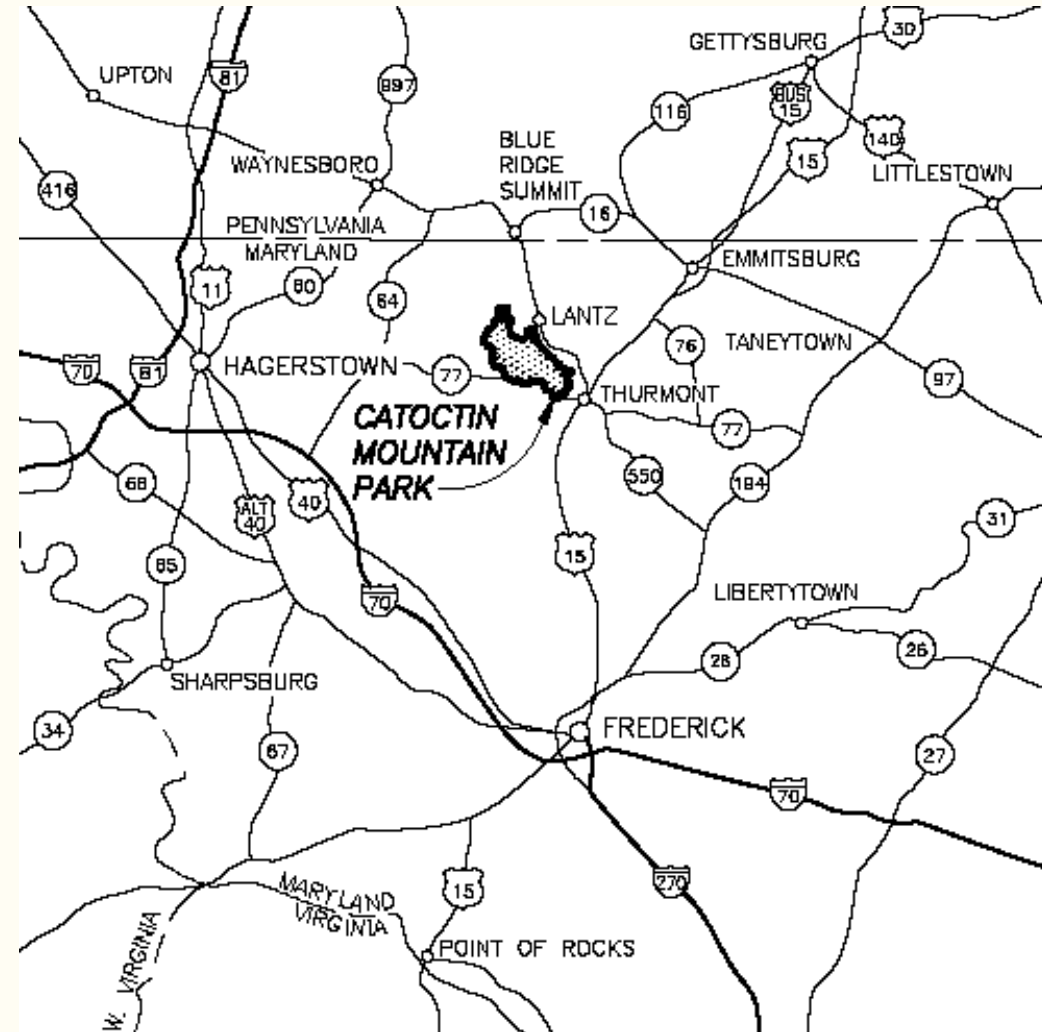


## Replace Parkwide Utility Infrastructure

- Brief Description

The scope of work consists of replacing park owned and operated infrastructure systems, including potable water, sanitary sewer, electric power, and communications. This project will correct serious deficiencies that directly affect the natural environment, park personnel, and visitors. These systems directly affect the health and safety of all users of Catoctin Mountain Park. These deteriorating systems range in age from 25 to 80 years old.

- Location: Catoctin Mountain Park – Maryland
- Estimated Price: \$10M - \$30M







## Replace Parkwide Utility Infrastructure

- Design & Construction Method:  
Design – Bid – Build
- Procurement Method:  
Full and Open Competition
- Schedule (Approximate):  
Solicitation Date: 05/16/2022  
Award Date: 08/30/2022  
Period of Performance: 540 days



Old and Failing  
Water Storage  
Tanks

Sewer System  
Smoke Test –  
Failing Sewer  
System



Old, Failing  
Water Lines





## Replace Parkwide Utility Infrastructure

- Performance Constraints & Other Considerations
  - Natural and / or cultural resource considerations
  - Visitor access
  - Seasonal restrictions – Visitation April through October
  - Security
  - Scheduling
  - Sustainability



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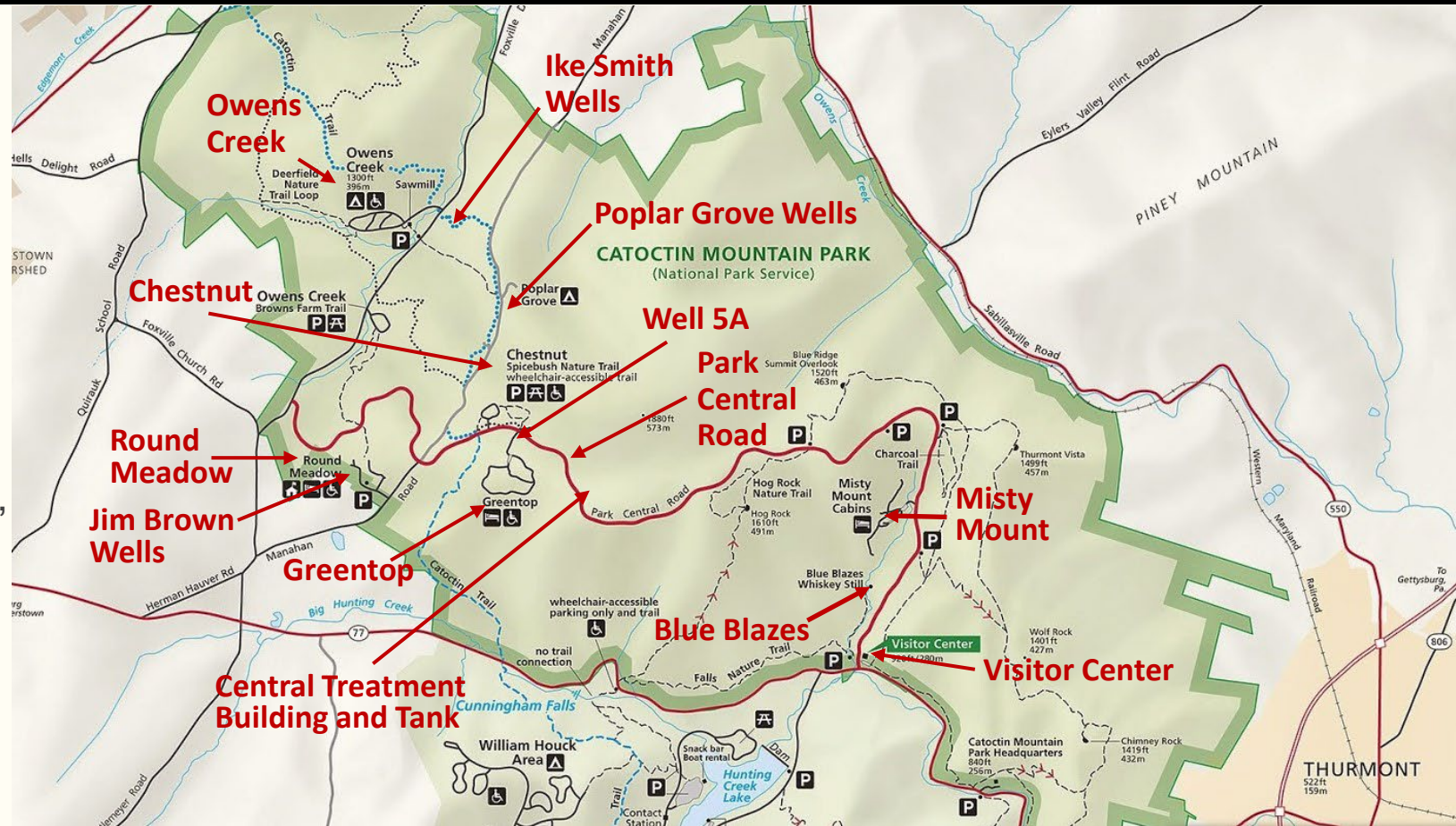






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- 15'x 38' CMU Water Treatment Building (CTB) and 60,000 Gallon Water Tank
- New raw water lines from Jim Brown Wells and Well 5A to CTB
- New water mains from CTB to Greentop, Misty Mount, Round Meadow and Chestnut
- Instrumentation and fiber optic to CTB
- New water main from Misty Mount to Visitor Center
- Abandon Blue Blazes Wells and Misty Mount storage tank



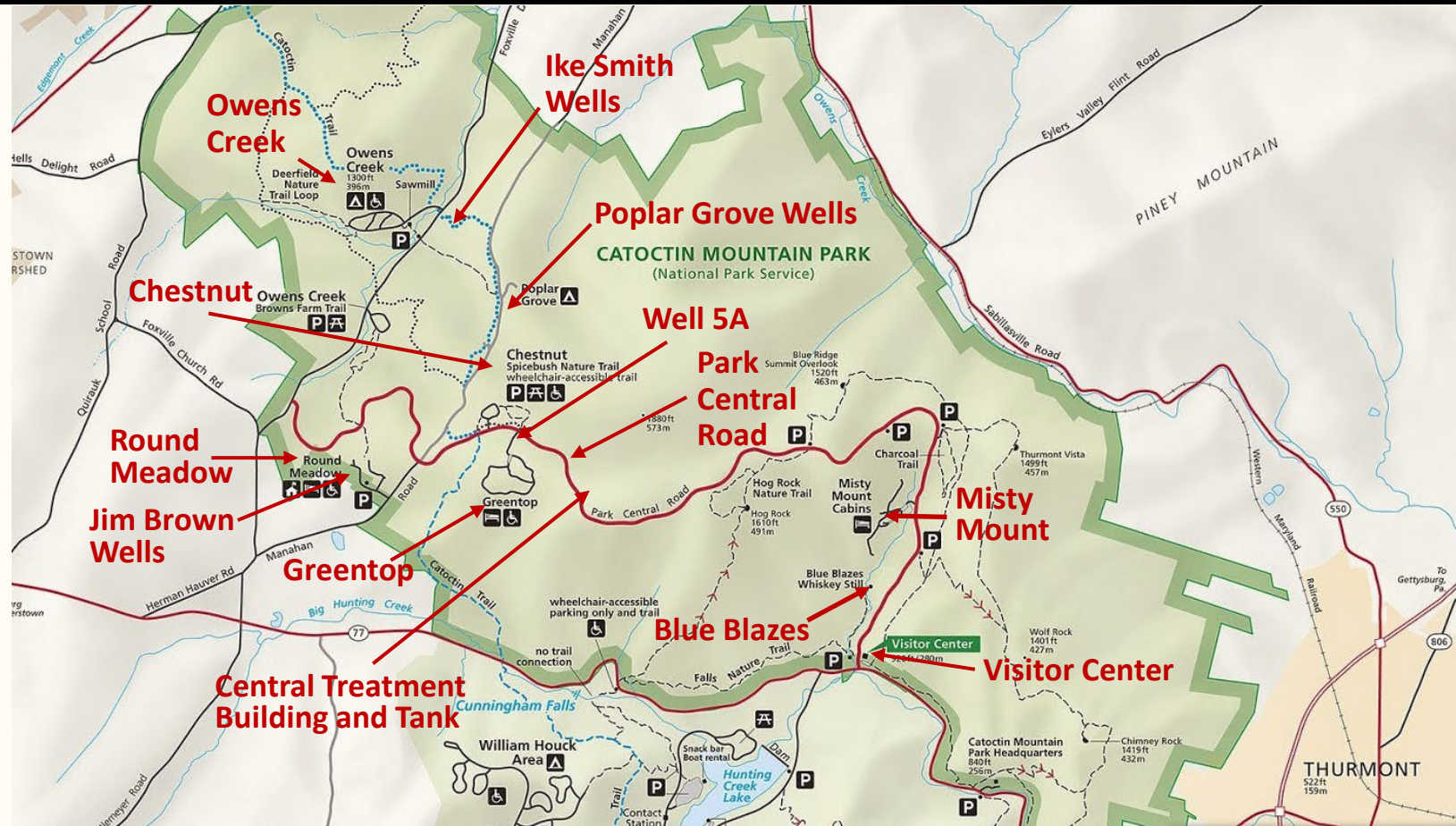
Distance from Owens Creek to the Visitor Center is approximately 5 miles along Park Central and Foxville Roads





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- Install 6 new hydrants at Misty Mount
- Remove existing sewer mains and manholes and install new mains and manholes from Misty Mount to VC
- Replace 2 transformers (PCB) at VC
- Replace electrical feed between Misty Mt. and the VC including meter, load interrupter switch and junction boxes
- New sewer flow meter near VC
- New vaults at Misty Mt. with meters

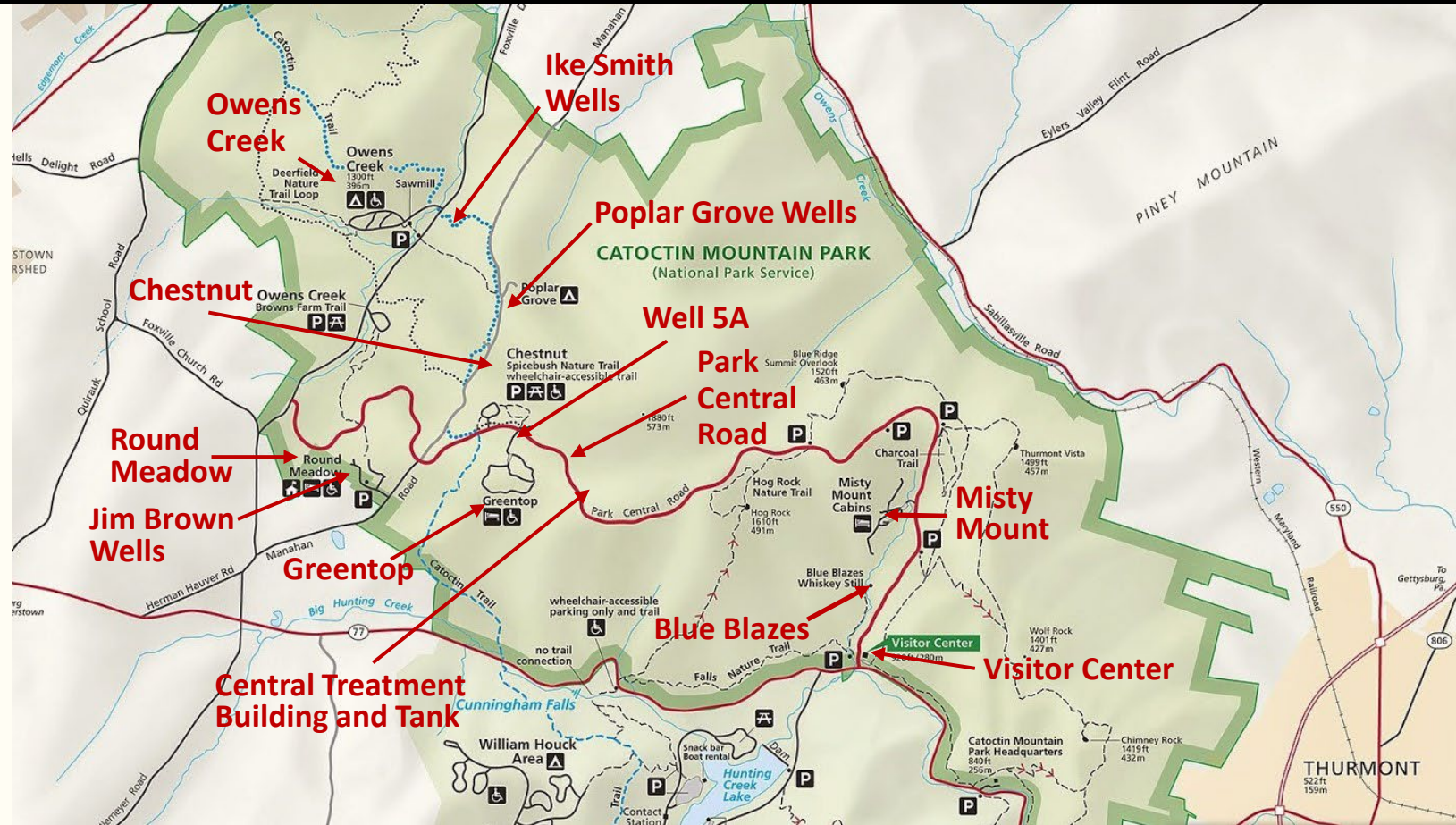






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- Demo water storage tank at Greentop
- Install one new fire hydrant at Greentop
- Rehab Greentop sewer system: lift station grinder and pump, pump control panel, generator connection, transformer, instrumentation and flow meter
- Replace Greentop transformer
- Abandon 2 Poplar Grove wells
- Rehab Jim Brown well house and wells including electrical, chemical storage, instrumentation, and fiber optic





## Replace Parkwide Utility Infrastructure

- Abandon Round Meadow (RM) stor. tank
- New water main and laterals at RM
- Remove and replace RM sewer lines
- Replace RM transformers, install new meters, and conductors in existing conduit. Install new fiber optic.
- Rehab Ike Smith well house and well
- Rehab Greentop well, including electrical, instrumentation, controls and fiber optic
- Park to remain open during construction, detours established. Storage TBD.

