



**WASHINGTON
TOWNSHIP MUNICIPAL
UTILITIES AUTHORITY**

**Capital Projects
Requiring Washington
Township's Interaction**

The Authority's Projects

- **Replacement of the Highridge water tank**
- **Decommissioning of the Ashwood Pump Station**

Highridge Water Tank

- **Located behind #12 Highridge Road**
- **Constructed in 1977**
- **770,000 gallon tank**
- **112 feet tall**

Highridge Water Tank



Highridge Water Tank

- **Beyond age and normal maintenance requirements, there are operational deficiencies:**
- **Only the top 12 feet, or about 82,000 gallons is “usable water”**

Highridge Water Tank

- **Residences in the Kim Lane area will lose water service, not only water pressure, if the tank is drawn down to low**
- **According to NJAC 5:21 5.3(i)3 – a minimum of 20 PSI is required to be supplied to the end user**

Highridge Water Tank

Project Scope: replace existing tank

- **Focus will be on a different design for the tank – different configuration**
- **Taller & smaller**

Highridge Water Tank

Project Goals:

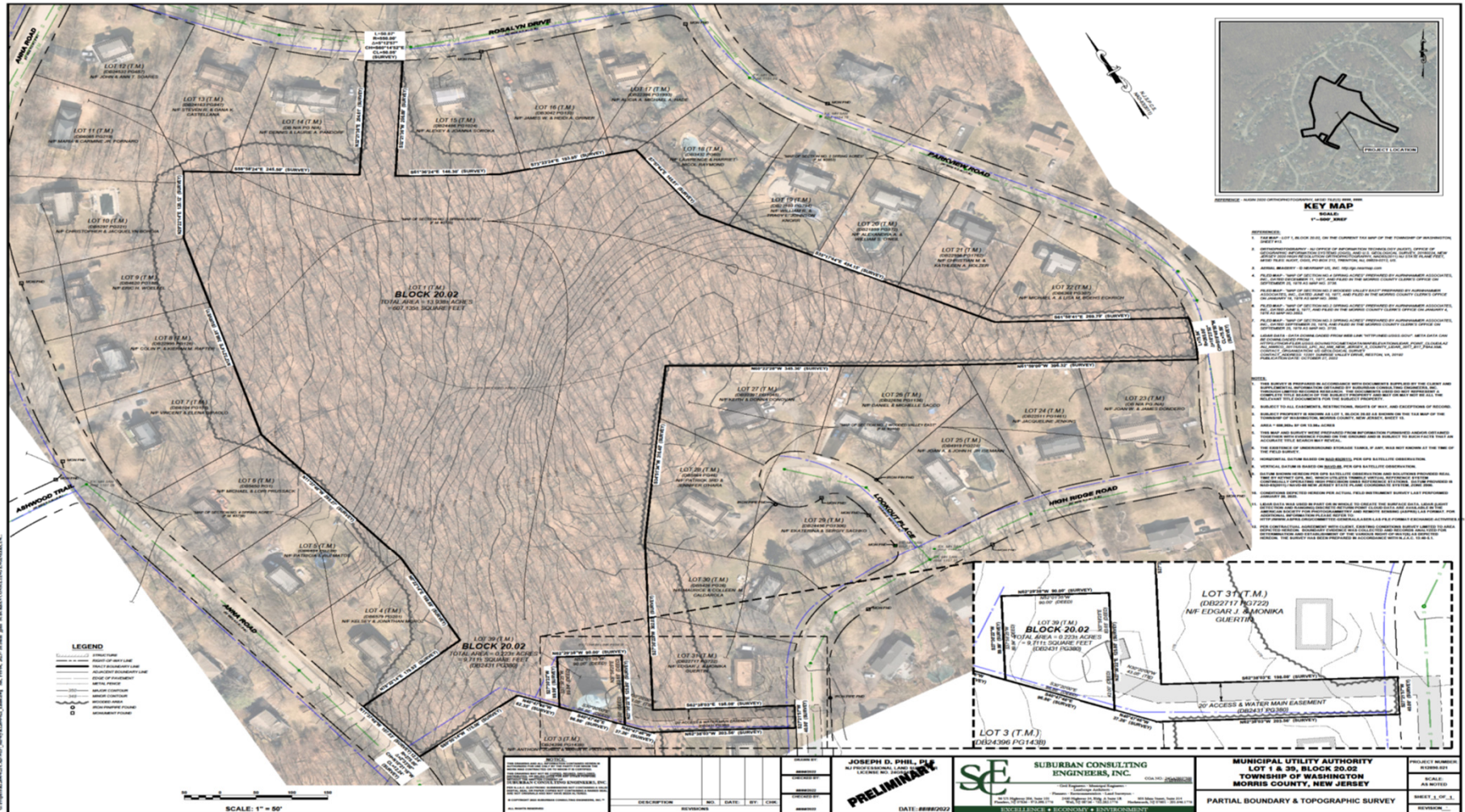
- **Update infrastructure without service disruptions**
- **Increase water pressure to Schooley's Mtn customers**
- **Minimize or eliminate NJDEP mandated water restrictions**

Highridge Water Tank

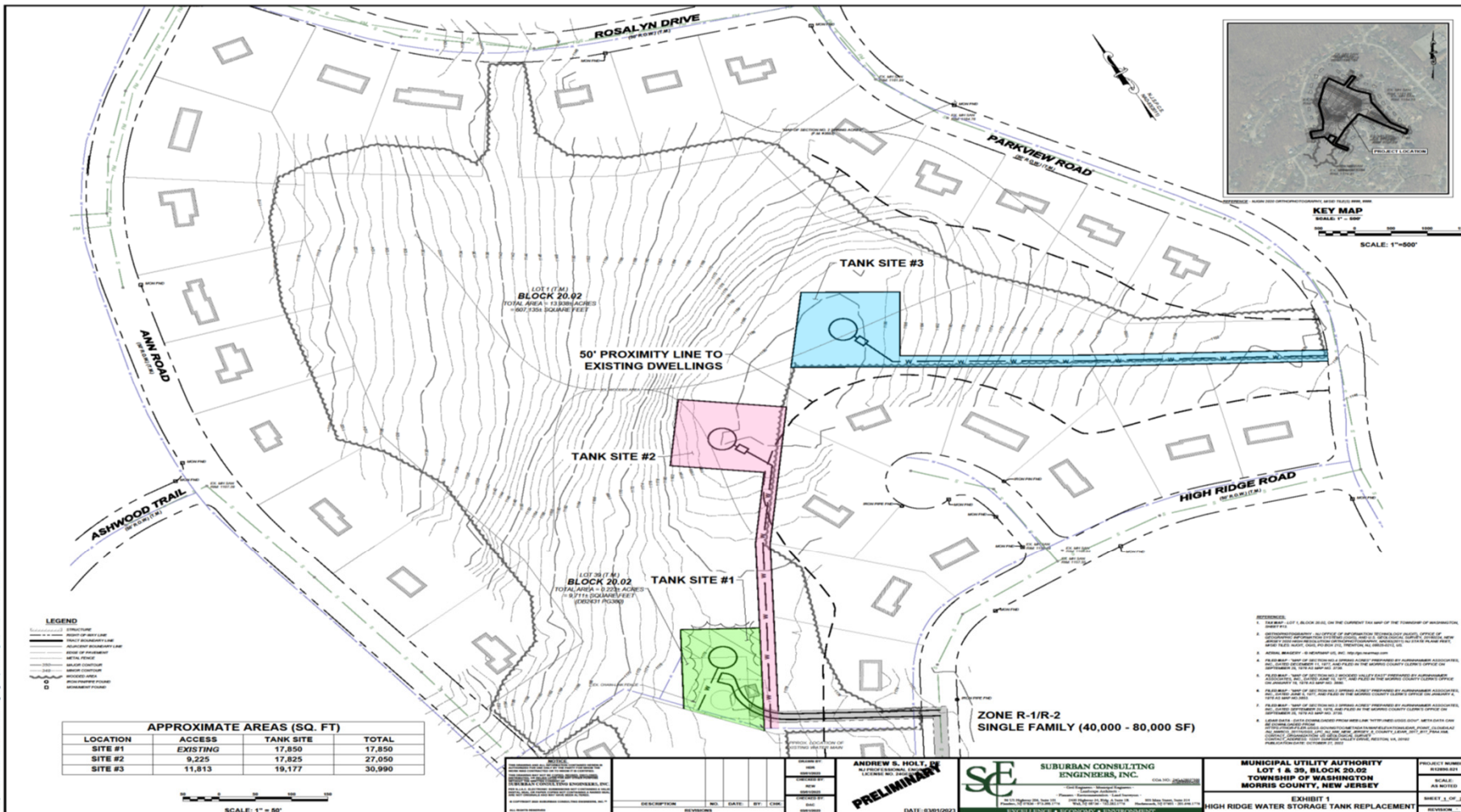
Project Challenges:

- **Limited foot print for construction**
- **Available land**

Highridge Water Tank



Highridge Water Tank



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- REVISIONS**
- 1. DATE: 11/13/14. BY: [Redacted]. Description: [Redacted]
 - 2. DATE: 11/13/14. BY: [Redacted]. Description: [Redacted]
 - 3. DATE: 11/13/14. BY: [Redacted]. Description: [Redacted]
 - 4. DATE: 11/13/14. BY: [Redacted]. Description: [Redacted]
 - 5. DATE: 11/13/14. BY: [Redacted]. Description: [Redacted]
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 - 8. DATE: 11/13/14. BY: [Redacted]. Description: [Redacted]

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PRELIMINARY

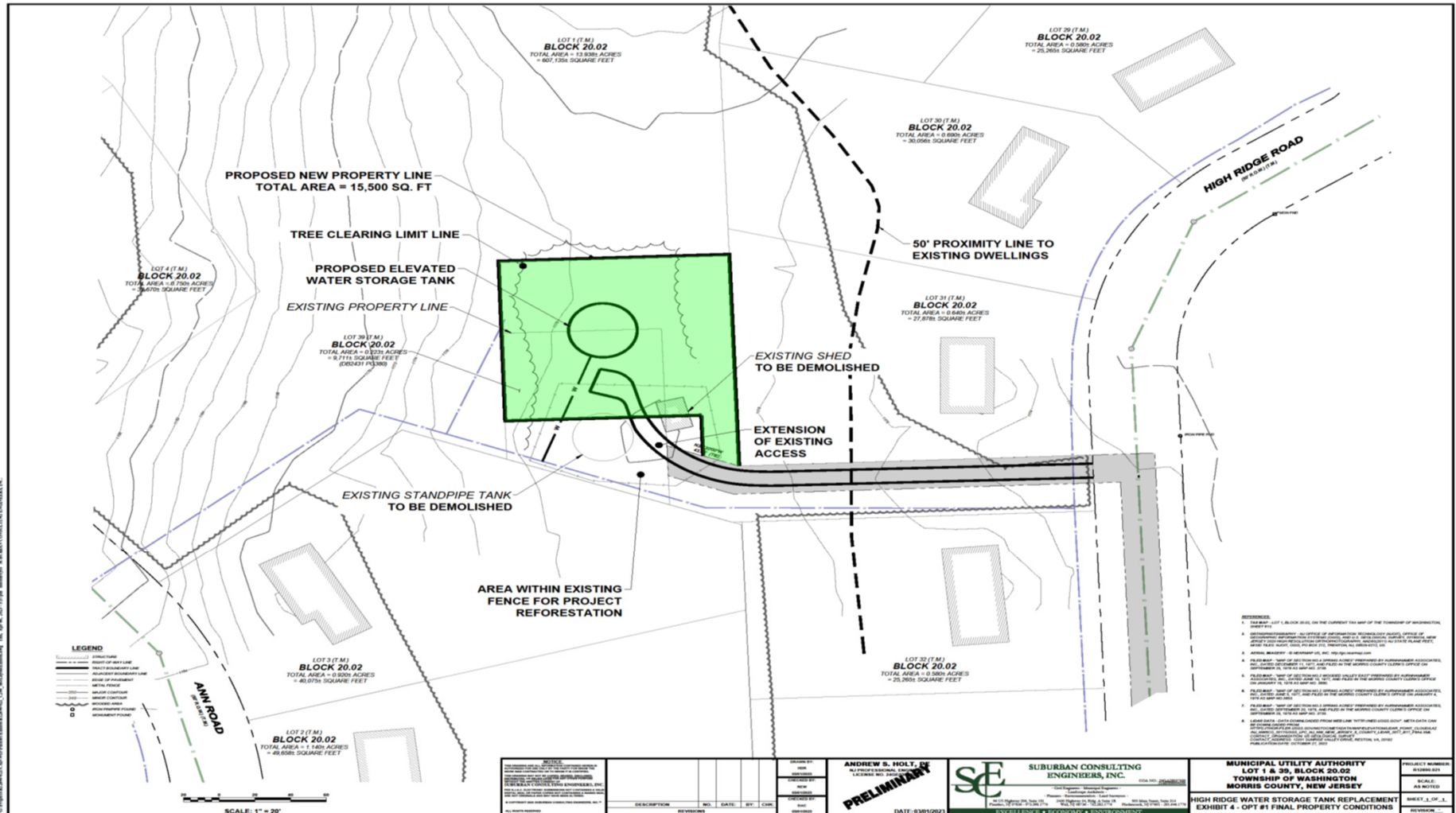
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MUNICIPAL UTILITY AUTHORITY
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TOWNSHIP OF WASHINGTON
MORRIS COUNTY, NEW JERSEY

EXHIBIT 1
HIGH RIDGE WATER STORAGE TANK REPLACEMENT

PROJECT NUMBER:
SHEET 1 OF 2

Highridge Water Tank



Decommission Ashwood Pump Station

Project Scope:

- **Phase 1: Update (and increase capacity of) the Winay Pump Station to accommodate the additional the Ashwood Pump Station flow**
- **Phase 2: Construct a gravity sewer main from the existing pump station to the cul-de-sac of Sparrow Lane – about 1500 linear feet**
- **Phase 3: decommission (demolish) the Ashwood Pump Station**

Decommission Ashwood Pump Station

Project Goals:

- **Reduce the Authority's carbon foot print – lower operating costs**

Decommission Ashwood Pump Station

Project Challenges:

- **Available land**

Decommission Ashwood Pump Station

**Proposed pipeline -
view from the PS**



Ashwood PS



**Proposed pipeline -
view from the cul-de-sac**

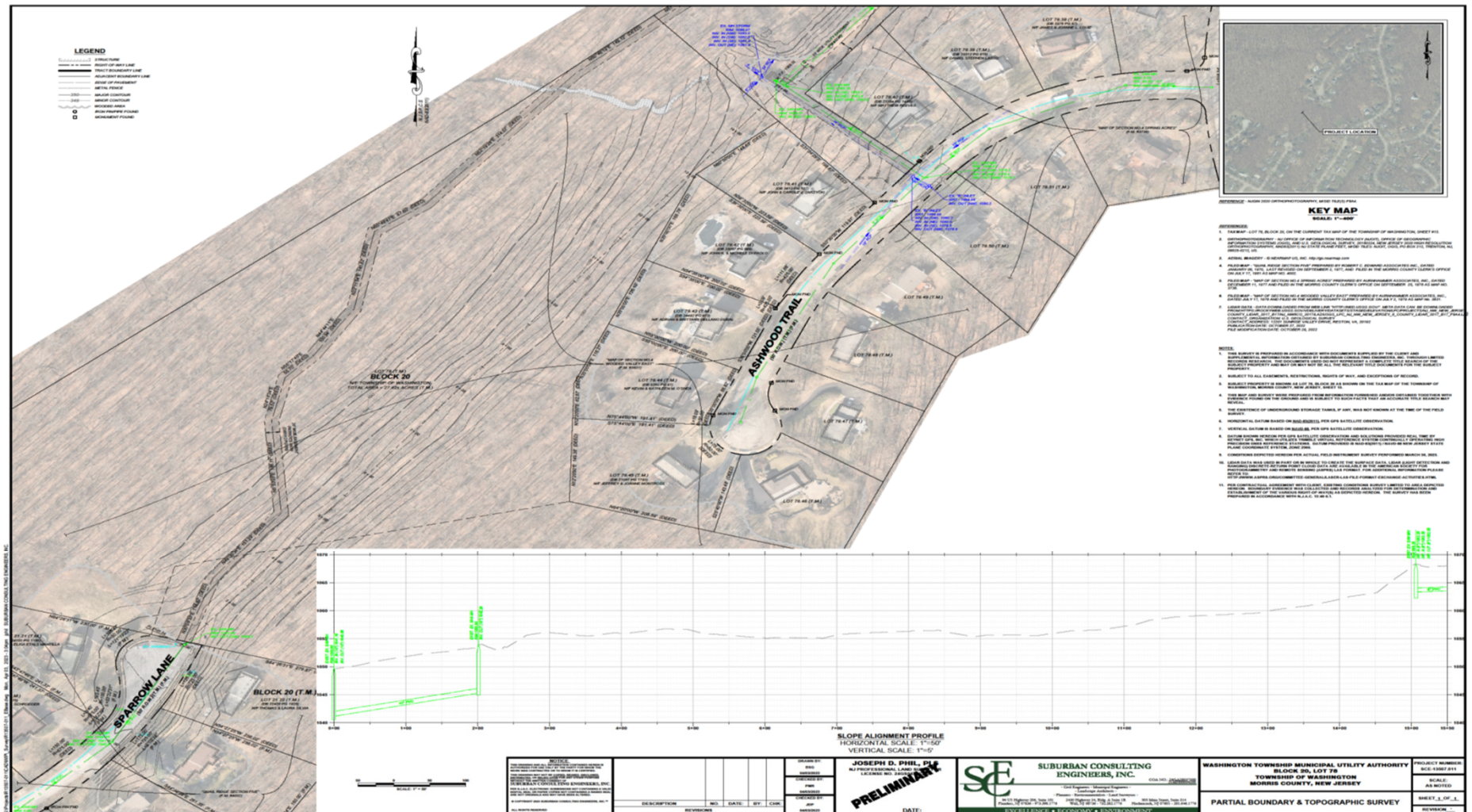


Decommission Ashwood Pump Station

Winay Pump Station



Decommission Ashwood Pump Station





QUESTIONS??

**Thank you for your
time this evening!!**