ATTACHMENT O:
SUBDIVISION OPTIONS FLOWCHART
**Subdivision Water Availability Evaluation**

- **No evaluation of water availability for subdivisions**
  - Requires change in State Law

- **Evaluation of water availability for the subdivision**
  - Current standard:
    - Meet requirements for a building permit on each lot, or
    - 1 representative well meeting building permit requirements and statement of adequacy under present conditions in regards to sufficient recharge to this plat and the surrounding area on the same water bearing formation base on existing well logs and other information as required.
  - Additional physical tests:
    - Longer pump test
    - Additional wells
    - More specific tests such as aquifer test with one pumping well and one observation well.
  - Additional analysis:
    - Analysis of water levels/cone of depression under full development and maximum withdrawal.
    - Analysis of potential seasonal fluctuations under full development, maximum withdrawal
    - Calculation of aquifer properties.
  - Additional report requirements:
    - Geologic cross sections indicating water bearing formations.
    - Enhance professional statement to include ability of aquifer to meet max demand

- **Evaluation of impairment of senior water users (ground & surface) in the vicinity of subdivision**
  - Current standard:
    - Current standard does not address impairment to senior water users.
  - Additional physical tests:
    - Longer pump test
    - Additional wells
    - More specific tests such as aquifer test with one pumping well and one observation well.
  - Additional analysis:
    - Analysis of impacts to water levels/cone of depression outside of proposed subdivision
  - Additional report requirements:
    - Description of senior water users that may be impacted
    - Description of aquifers utilized by senior water users in the vicinity and connection to aquifer for proposed subdivision
    - Professional statement regarding impairment to senior water users