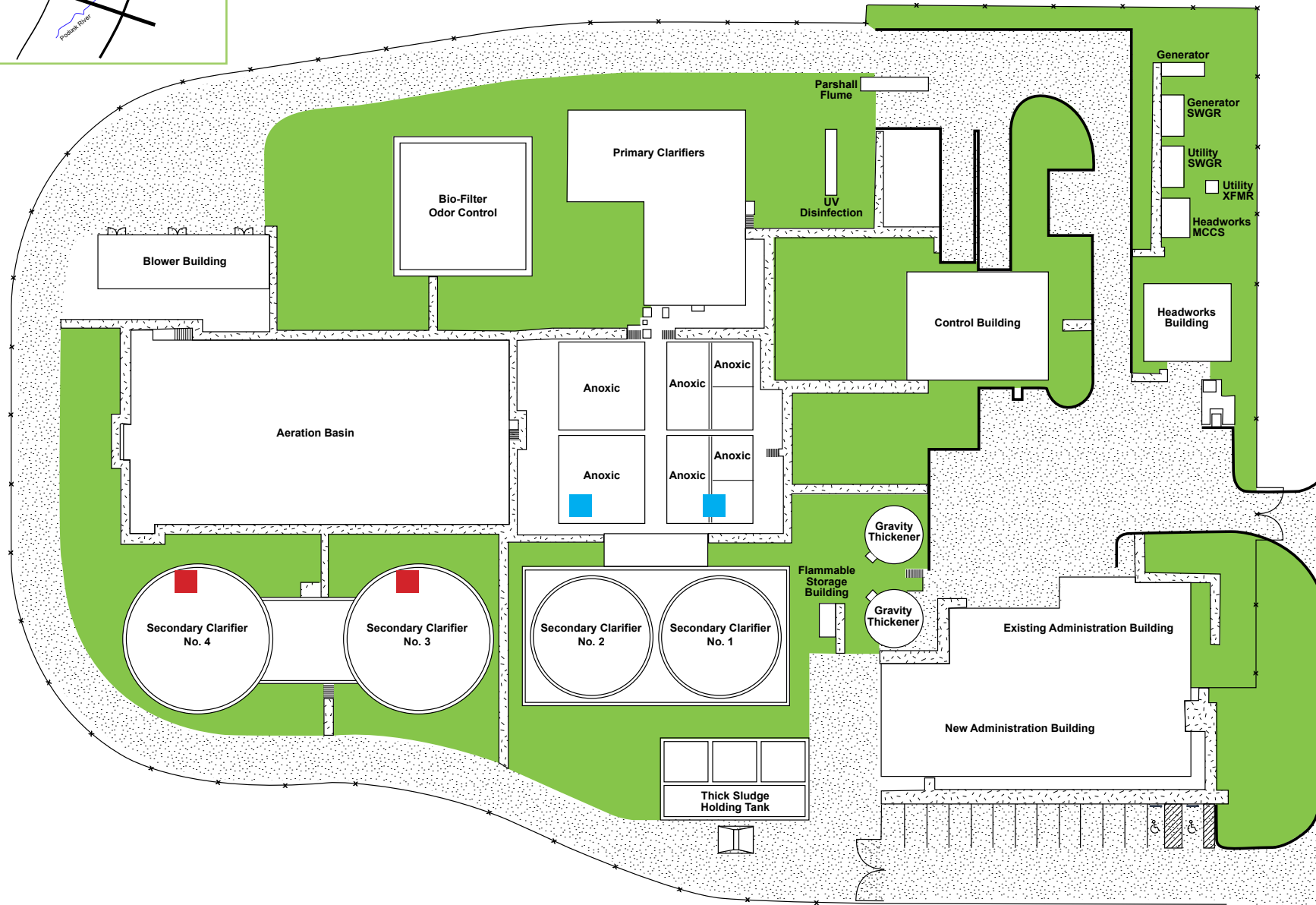


# South Windsor Water Pollution Control Facility



This panel has a numbered listing of plant upgrades that can be highlighted over this layout of plant.

Also do we need the process flow diagram to be drawn and then highlighted?

The plant will feature:

1. Modified Ludzack-Ettinger (MLE) process
  2. Channel grinder
  3. Mechanical screen
  4. Aerated grit equipment
  5. Influent pumping system replacement
  6. Valve replacement plant-wide
  7. Conversion of square-shaped primary and secondary clarifiers to circular-shaped
  8. Two new secondary clarifiers will be built
  9. Aeration tank conversion to anoxic selectors
  10. Two new aeration basins
  11. Construction of a blower building
  12. Tehabilitation of the gravity thickeners
  13. Overhaul of the entire plant electrical system
  14. Installation of a plant-wide fire alarm system
  15. New 1,500 kW generator set
  16. Plant-wide SCADA system to replace manual recording and reporting of plant signals
  17. Gravity belt thickeners will replace the existing belt filter press
  18. Biofilter will treat odorous air – replacing an existing proprietary system.
- Expansion of the Administration/Garage Building
  - Modernize and move existing laboratory
  - Brick re-pointing, roof repair and replacement, extensive HVAC and plumbing work to all other buildings.