- What's in the drain water?
 - Nutrients
 - Bacteria
 - Sediment
 - Water
- Stop discharge <u>and</u> beneficial re-use.
 - Irrigated crop systems
- Maintain CAFO Permit compliance

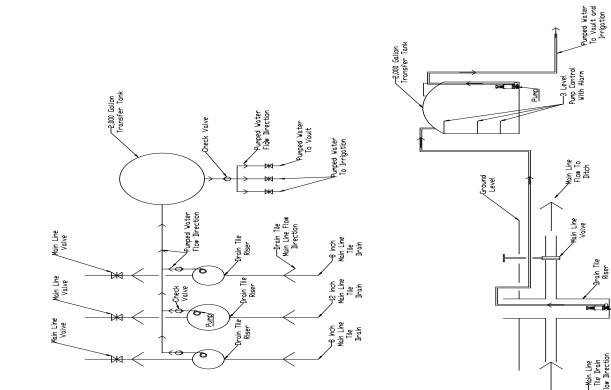


- Reclaim Systems
 - Seasonal
 - Requires infrastructure and active management
 - Recycle all drain water and constituents back to crop system
 - Enhance declining water resources ***
 - Allows crop / soil system to utilize / filter
 - Mitigates too dry soil conditions / wider application window
 - Mitigates no-till or perennial crop soil structure issues
 - Return system to drainage function after crop growth
 - Stops direct discharge to surface waters



- Valve Systems
 - Seasonal
 - Requires minimal infrastructure and active management
 - Retain most drain water and constituents in soil matrix
 - Enhance declining water resources ***
 - Allows crop / soil system to utilize / filter
 - Mitigates too dry soil conditions / wider application window
 - Mitigates no-till or perennial crop soil structure issues
 - Return system to drainage function after crop growth
 - Stops direct discharge to surface waters





Pund Two 8 inch Main line pung- submersable float control ---- ½ hp 60 gallons per minute each Dne 12 inch Main line pung- submersable float control ---- ¾ hp 80 gallons per minute Dne transfer tank pung - submersable 3 level control ---- 3 hp 250 gallons per minute

