**LAVERS RANCH VINEYARD**

**Location:** Glennville, California  
**Elevation:** 30'-0" feet  
**Shape:** Diamond  
**Area:** 32.3 Acres  
**Rainfall:** 13.3 inches annually

![Diagram of Lavers Ranch Vineyard](https://via.placeholder.com/150)

**Pump Station**
- **Mainline:** 5" - 380'
- **4" - 385'

**Technicial Specifications**
- **Drip Emitter:**
  - TDH: 52 psi
  - Flowrate: 470 GPM
  - Online Pressure Compensating: 10 - 50 psi
  - 2 emitters per vine @ 18" from the vine

**Water Source:**
- **45 Rows - .72 Poly w/.5GPH Online PC Emitter @ 36"**

**Estimated Peak ET:**
- 0.26 in/day

**System Operation**
- Each Pressure Regulator should be set to maintain a pressure of 25 psi for drip and 35 psi for frost protection.
- Adjust the pressure regulator so the pressure at this point is 25 or 35 psi.
- The valves are next to the road for ease of access.
- The number of blocks operated at once depend on this value. Each block has been designed to require less than 55 GPM.
- Flushing once every 2 weeks should be adequate.
- All hose ends need to be opened, allowing water to flow until there is no longer any sediment seen in the water.

**Pressure Regulator Operation**
- Each Pressure Regulator should be set to maintain a pressure of 25 psi for drip and 35 psi for frost protection.
- The pressure regulator should not occur every irrigation, but should be checked periodically and adjusted as needed.

**Submainline Flush Out Detail**
- **16' Road between Blocks**
- **Irrigation Layout**
  - Scale 1:100
  - June 4, 2010
  - A.J. Borba