**SCOPE OF WORK - FIRE PROTECTION**

1. Furnish all necessary labor, materials, equipment, and plans to install an automatic fire sprinkler system. The system shall be complete and fully functional in all respects.

   - The work shall include, but not limited to:
     - All necessary permits to install sprinkler system
     - All required materials and equipment

2. Fire Department Connection at Fire hydrant

3. Provide and installation of any check, gate, and butterfly valves as specified.

4. Provide and installation of all flow switches.

5. All sprinkler piping, pipe hangers, and sprinklers

6. Sprinkler system shall be connected to fire alarm system and coordinated with fire alarm sub-contractor.

7. Complete and coordinate all documents and testing with the fire department.

**FIRE PROTECTION LEGEND**

- **Hydraulic Node**
- **Test Header**
- **FDC** (Fire Department Connection)
- **HC** (Hose Connection)
- **Stake Hydrant**
- **MCLC Self Storage**
- **Wineyard Haven, MA**
- **Carrolls Way**

**HYDRALIC GRAPH**

- **Flow** vs. **Pressure**
- **Static Pressure** vs. **Residual Pressure**
- **Flow** vs. **Flow Test Conducted**
- **Pressure** vs. **Flow**

**FLOW TEST**

- **Flow Test Information**
  - Static Pressure: 32 psi
  - Residual Pressure: 26 psi
  - Flow Pressure: 52 psi
  - Outlet Diameter: 2.56 in.
  - Coef: 1
  - Elevation: 0

- **Flow** vs. **Flow Test Conducted**
  - Flow: 308 gpm
  - Flow @ 20 psi: 448 gpm

**MAP:**

- **$180,000,000**
- **CMM**
- **MCLC Self Storage**
- **Wineyard Haven, MA**
- **Carrolls Way**

**DRAWING:**

- **FP-1.0**
- **REV**
- **DATE**
- **DETAILED DESIGNER**

**SPECIFICATIONS:**

- **Fire Protection**
- **Project:**
  - MCLC Self Storage
  - Vineyard Haven, MA
  - Carrolls Way

**PROJECT:**

- **12/16/2019**
- **DATE**
- **JMD**
- **CONTRACTOR:**
  - Fire Protection
  - Ronco Fire Protection
  - Fire Protection

**DRAWING TITLE:**

- **DATE**
- **REVISIONS**
- **OWNERS**
  - Ronco Fire Protection
  - Owner: j.davey@daveyengineering.com
  - P: (781) 750-1985
  - Canton, MA 02021
  - 36 Pleasant Street
1. **FIRE POND HYDRANT DETAIL**

2. **FIRE SPRINKLER ROOM DETAIL**

3. **LOADING DOCK SPRINKLER DETAIL**

**NOTE:** Minimum of 22500 gal of water in the pond.