North Collier Fire Control and Rescue District
61G15 SUBMITTAL REQUIREMENTS – SPRINKLERS

**DENOTES LOCAL (NORTH COLLIER FIRE CONTROL AND RESCUE DISTRICT) EXCEPTIONS TO ENGINEERING REQUIREMENTS. Please see the Local Exceptions of Engineering Requirements section at the end of this document for more information.*

FAC 61G15-30.003

- Engineers shall legibly indicate their name and business address on engineering documents. [30.003(2)]

FAC 61G15-32.003

- Scope of Work described, details, dimensions, label and define the fire protection components, systems, materials, assemblies, equipment and its structural and utility support systems(s). [32.003(1)]
- * Applicable requirements for the acceptance testing of the fire protection system and components based upon applicable codes and standards. [32.003(2)]
- Structural support and structural openings required by the Fire Protection System must be shown on the Fire Protection engineering documents and shall be referenced on structural engineering documents. [32.003(5)]
- Requirements for activation control systems, sequence, operating parameters, interlocks, safety related devices, indicators and alarms shall be shown unless shown on other related documents. [32.003(7)]

FAC 61G15-32.004

- * Water Based Fire Protection Systems include automatic sprinklers systems, manual, and deluge valve-controlled types, pumping systems, standpipes, fire water mains, and dedicated fire protection water sources. [32.004(1)]
- Point of service for the fire protection water supply as defined by Section 633.021(18), F.S. [32.004(2)(a)]
- Applicable NFPA standard(s) to be applied including the edition of the codes. [32.004(2)(b)]
- The occupancy of the area or description of a specific hazard. Classification of hazard occupancy for each room or area. [32.003(3) and .004(2)(c)]
- Design approach for each separate hazard identified which includes [32.004(2)(d)]: System type; Densities; Device Temperature rating; and Spacing for each separate hazard occupancy

- Characteristics of the water supply to be used [32.004(2)(e)]: * 1. Main size; * 2. Main location; and * 3. Whether the main is dead end or circulating (if dead-end, the distance to the nearest circulating main)
- Minimum duration and reliability for the most hydraulically demanding area.
- The flow test data [32.004(2)(f)]: Date and Time; Test Conductor; Test Elevation; Static gauge pressure; Residual gauge pressure; Hydrant butt coefficient; and Location of the test in relation to the hydraulic point of service (include map from the Fire District)
- Note for Design Criteria: NCFD requires a minimum static and residual pressure reduction of 10 percent without changing the water flow. Some projects may require more based on construction in the area, future intended projects, expected changes to the water supply, etc.
- * Valving and alarm requirements to minimize potential for impairments and unrecognized flow of water. [32.004(g)]
- Microbial Induced Corrosion (MIC) conclusion by EOR and any corrective measures required (Must take responsibility.) [32.004(2)(h)]
- Backflow prevention and metering specifications and details including maximum allowable pressure drop. [32.004(2)(i)]
- Quality and performance specifications of all yard and interior fire protection components. [32.004(2)(j)]
- For high hazard occupancy classifications, storage and factory occupancies, and high-rise buildings, a determination of whether a fire pump is required and if so, the specific volumetric flow and pressure rating of the pump. [.004(2)(k)]
- Verification of whether a firewater storage tank is required on site and if so, a determination of the size and capacity required. [.004(2)(l)]
- Owner's Certificate. In storage occupancies, the Owner's Certificate is required from the property owner as it clearly defines the storage configuration of the space for the current and future use of the property. [.004(2)(m)]
- Contractor submittals which deviate from the above minimum design parameters shall be considered material deviations and require supplemental engineering approval and documentation.
- In the event the EOR provides more information and direction than is established above, he or she shall be held responsible for the technical accuracy of the work in accordance with applicable coeds, standards, and sound engineering principles.

LOCAL EXCEPTIONS TO ENGINEERING REQUIREMENTS

* *Note: Per* North Collier Fire District Policy, Existing Buildings with no additions, no change in occupancy classification, or changes to the system, that do not involve changes to the original design, will not require engineering for the following items: structural support; point of service; characteristics of the water supply; and valving and alarm requirements.