Fire Site Plan Review

Fire Department Access

- ☐ Design documents are signed and sealed.
- ☐ FD access 20’ clear width, 13’-6” height.
- ☐ Coordination with hydrants and FDC.
- ☐ Turnarounds for dead ends 150’ or more in length.
- ☐ Cul-de-sac min. inside diameter 36’ and the min. outside diameter 60’.
- ☐ FD access min. right hand turn radius 25’.
- ☐ If the building set back more than 150’ from the paved FD access, provide a fire lane.
- ☐ If the building over 30’ in height and setback more than 50’ from the paved FD access, provide a fire lane.
- ☐ Gates provide sufficient access width (20’) and height (13’-6”).
- ☐ Automatic fence installed on 24-hour occupied structures; optical sensors.
- ☐ Fence obstruction to hydrants, hose lay distance, FDC, egress path.

Fire Underground Main Plan Review

Underground Mains (NFPA 24)

- ☐ Design documents are signed and sealed.
- ☐ Shop drawings have only minor changes from engineered documents.
- ☐ Hydrants – distance to FDC, curb face, structures.
- ☐ Hydrants – clearance 7’6” front/sides and 4; rear.
- ☐ Color coding statement for hydrants.
- ☐ Point of connection clearly marked and shown as private from this point onward.
- ☐ Plans must state UG main installed and tested per NFPA 24, 200 psi.
- ☐ Dead-end mains pipe size and distance.
- ☐ Pipe not installed under buildings.
- ☐ Cover depth minimum of 30”.
- ☐ Pipe size, diameter, and type.
- ☐ DR 14 for fire service only, DR 18 for combination use only if provided documents state that pipe will withstand testing for 200 psi.
- ☐ Details of joints, restraint, thrust blocks, and hydrants.
- ☐ Corrosion protection on buried metallic parts.
- ☐ Electronic supervision of backflow control valves.
- ☐ Sectional valves every 6 hydrants.
- ☐ Water supply analysis for large, complex systems.

This document is intended to be a guide and may not contain all requirements needed to obtain permits and approval from the City of DeLand.