

■ Fire Underground Plans & Fire Flow Calculations

At Fire Design Associates (FDA), we bridge the gap between site utilities and fire protection by providing fire underground plans and fire flow calculations that meet both NFPA standards (NFPA 1) and local AHJ requirements.

- a) Coordination: Underground fire service layouts are designed to integrate with civil utility plans, eliminating conflicts before construction.
- b) Fire Flow Data: We perform NFPA compliant fire flow calculations to confirm available water supply meets system demand. This can be for fire hydrant flows and for estimated fire sprinkler system demands
- c) AHJ Approval: Our Underground drawings and calcs are permit-ready, helping projects avoid costly delays at plan check.
- d) One-Stop Support: From underground fire-mains to riser connections, pumps, and sprinklers – we ensure the entire system works.