

Quarterly Consultants Meeting Fire Reviews



Virginia Beach Fire Department February 23, 2005

Opportunities for Improvements Resulting in quicker Fire Reviews

Access
On-Street Parking
Water Supply
Disapprovals



Access

- **Hammerhead or cul-de-sac required on dead end roads exceeding 150' FC 503.2.5**
- **Fire lanes must reach to within 150' of the most remote portion of structure FC 503.1.1**
- **Fire lanes were 18' in the previous code**
- **Fire Lanes current code are 20' FC 503.2.1**
- **Turning radius 42' outside SU vehicle, 28.4' inside. SU vehicle is 8.5' X 30' FC 503.2.4**
- **Fire Department access must be a DOT approved all-weather surface, and support a 75,000 pound vehicle load FC503.2.3**



On-Street Parking

- Code provisions based on 20' Fire Lane
- Roads 20' to 26' Posted Fire Lane both sides
- Roads 26' to 32' Posted Fire Lane one side
- AHJ Modification based on 18' Fire Lane
- Roads < 24' Posted Fire Lane both sides
- Roads 24' to 29' Posted Fire Lane one side
- Roads 30' or greater No Fire Lane Required



Access Points

- In lieu of a paved DOT surface for fire lanes we will allow pavers or sub-surface pavers that are visible at grade. There will be no allowance for coverage with topsoil or sod.
- Buildings over 30 feet in height require a fire lane within 15' – 30' parallel to one entire side of the building.



Water Supply and Fire Flows

- Fire flows shall be noted on plans with the calculations provided for verification. The standard is ISO AWWA M31
- Maximum useable flow from any one hydrant is 1500 GPM
- Fire Hydrant travel Distances

Multi-family 400 feet

Commercial 400 feet

Residential 500 feet



Frequently Disapproved

- On-street parking that reduces the drive aisle below 18'
- Sub-surface paving with topsoil coverage
- Dead end roads >150' without turn around space provided
- Fire hydrant not shown on plans
- Fire flow or calculations missing
- Plans with multiple overlays on one sheet

