



Manitowoc Fire Rescue

Dead End Street
Presentation

Fire Code Enforcement

- Fire Department Access
 - NFPA 1 Chapter 18
 - Dimensions 18.2.2.3.4.1
 - 18.2.3.4.1.1: Fire department access roads shall have an unobstructed width of not less than 20 ft.
 - 18.2.3.5: **Marking of fire apparatus access road**
 - 18.2.3.5.1: Where required by AHJ, approved signs...to prohibit obstruction...
 - 18.2.4: **Obstruction and Control of Fire Department Access Road**
 - 18.2.4.1.1: ...fire department access road shall not be obstructed in any manner, including parking of vehicles.

Collected Data

- 13th Street & Grand Avenue
 - 23 feet width by 122 feet length
 - No curb no gutter
 - Currently posted no parking
 - 1911 S. 13th Street is house located at dead end



Collected Data

- 12th Street and Grand Avenue
 - 24 feet width by 124 feet length
 - No curb gutter
 - Currently no street parking restrictions
 - Hydrant located at 12th St. and Grand Avenue
 - 1912 S. 12th Street located at dead end



Collected Data

- 11th Street and Grand Avenue
 - 23 feet width by 124 feet length
 - No curb no gutter
 - Currently no parking restrictions
 - 1103 Grand Avenue and 1021 Grand Avenue



Tactical Considerations

- Fire Operations
 - Truck is given front of house for best operational use
 - Truck operations need to be set up on hard flat surface
 - Truck requires a minimum of 20 feet for operation of elevated mater stream or rescue operation.



Tactical Concerns

- 13th Street
 - None at this time with street being posted no parking at dead end.
 - Allows for truck operations and addresses concern of 1911 S. 13th Street
 - Also allows an advantage for storage facility located on S. 14th Street for master stream operations



Tactical Concerns

- 12th Street
 - None at this time as currently identified
 - 1912 S. 12th Street has hard surface extending to roadway



Tactical Considerations

- 11th Street
 - None at this time as currently identified
 - Only two houses both located off Grand Avenue



MFRD Recommendation

- After review of data collected and actual visual of apparatus placement and tactical consideration:
 - 13th Street is posted properly
 - Access concern with 1911 S. 13th Street
 - Large downhill slope in side yard
 - 12th Street does not present a concern with extension of roadway by home located 1912 S. 12th Street
 - 11th Street does not present a concern as no house has a physical address on 11th Street.