



# PUD/RESIDENTIAL APPLICATION IMPACTS TO FIRE RESCUE SERVICES

CAPOZZOLI HILLS

PARCELS # 35460-039-00



## Capozzoli Hills



- **Parcel Specifics – Parcel 35460-039-00**

- **Parcel ID:** 35460-039-00
  - **Acreage:** 19.62 acres
  - **Current Future Land Use (FLU):** Low Residential (LR)
  - **Proposed Future Land Use (FLU):** Medium Residential (MR)
  - **Proposed Use:** 72 single-family residential units with amenities
  - **Estimated Population Impact:** ~180 residents
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- The analysis shown is **parcel-specific** and applies only to the properties identified in the application.

## Common Definitions Used By Fire Rescue



- ISO- The ISO (Insurance Services Office) rating is a crucial assessment for fire departments in the United States, directly influencing both the department's operations and the community it serves.
  - The ISO's Public Protection Classification (PPC) program evaluates a fire department's ability to protect its community from fire-related incidents and assigns a rating that can affect property insurance rates for homes and businesses within the department's jurisdiction.
  - MCFR has an ISO rating of 2/2Y
- NFPA-The National Fire Protection Association (NFPA) is a global nonprofit organization devoted to eliminating death, injury, property, and economic loss due to fire, electrical, and related hazards.
  - Founded in 1896, the NFPA develops and publishes more than 300 codes and standards that are designed to minimize the risk and effects of fire and other hazards.

## Common Definitions Used By Fire Rescue



- Response Availability – indicates how often multiple emergency calls occur at the same time within our service area. As the number of overlapping incidents increases, our ability to respond to new calls is reduced.
- This is expressed as a percentage:

| Percentage             | Service Demand                                                           |
|------------------------|--------------------------------------------------------------------------|
| 0–10% (Green)          | Normal Operations – calls are handled promptly.                          |
| 11–20% (Yellow)        | Increased Demand – response may be delayed during busy periods.          |
| 21–30% or higher (Red) | High Demand – staffing and resources may not keep pace with call volume. |

## Common Definitions Used By Fire Rescue



- Workload – Workload is a critical factor in evaluating unit performance and operational demands. While it can be measured by simply counting the number of incidents a unit handles over a period, this approach doesn't reflect the complexity or duration of each call.
- A more meaningful assessment considers how often calls for service overlap, placing simultaneous demands on available units. Overlapping incidents can stretch resources thin, reduce response availability, and increase reliance on neighboring units. This measure provides a clearer view of the actual strain on personnel and apparatus, especially during periods of high call volume.
- It's important to note that workload assessments based solely on incident volume do not capture the full scope of a unit's responsibilities, such as training, equipment maintenance, pre-incident planning, and community outreach.

## Common Standards Governing Fire Rescue

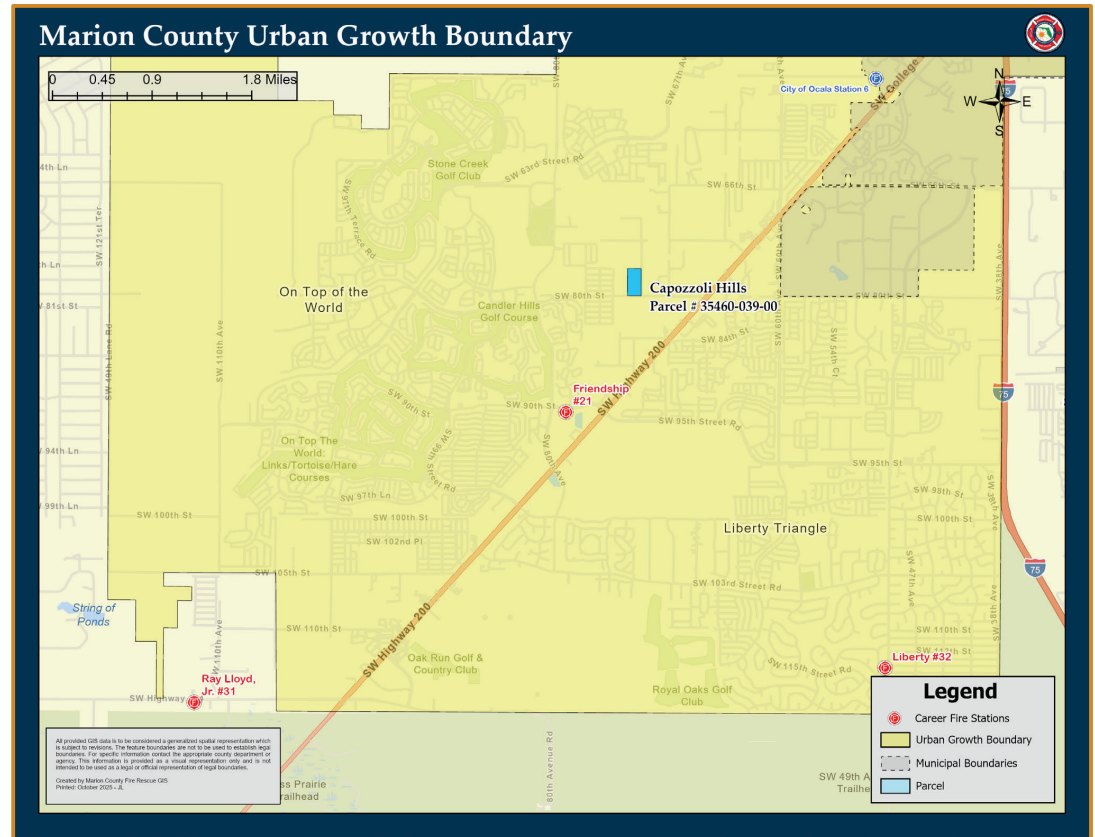


- NFPA 1061: Standard for Public Safety Telecommunications Personnel Professional Standards Qualifications
- NFPA 1201: Standard for Providing Fire and Emergency Services to the Public
- NFPA 1225, Standard for Emergency Services Communications
- NFPA 1660: Standard for Emergency, Continuity, and Crisis Management: Preparedness, Response, and Recovery
- NFPA 1620: Standard for Pre-Incident Planning
- NFPA 1710, Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations, and Special Operations to the Public by Career Fire Departments.
- NFPA 1720, Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations, and Special Operations to the Public by Volunteer Fire Departments.

# URBAN GROWTH BOUNDARY

THE PARCEL IS INSIDE THE URBAN  
GROWTH BOUNDARY.

THIS PARCEL IS IN COMMISSION  
DISTRICT 5



# CLOSEST FIRE/EMS STATION LOCATIONS

THE FOLLOWING STATIONS ARE  
WITHIN 5 MILES OF THE PARCEL:

FIRE STATION 21, 2.1 ROAD MILES

EMS STATION 50, 3.2 ROAD MILES

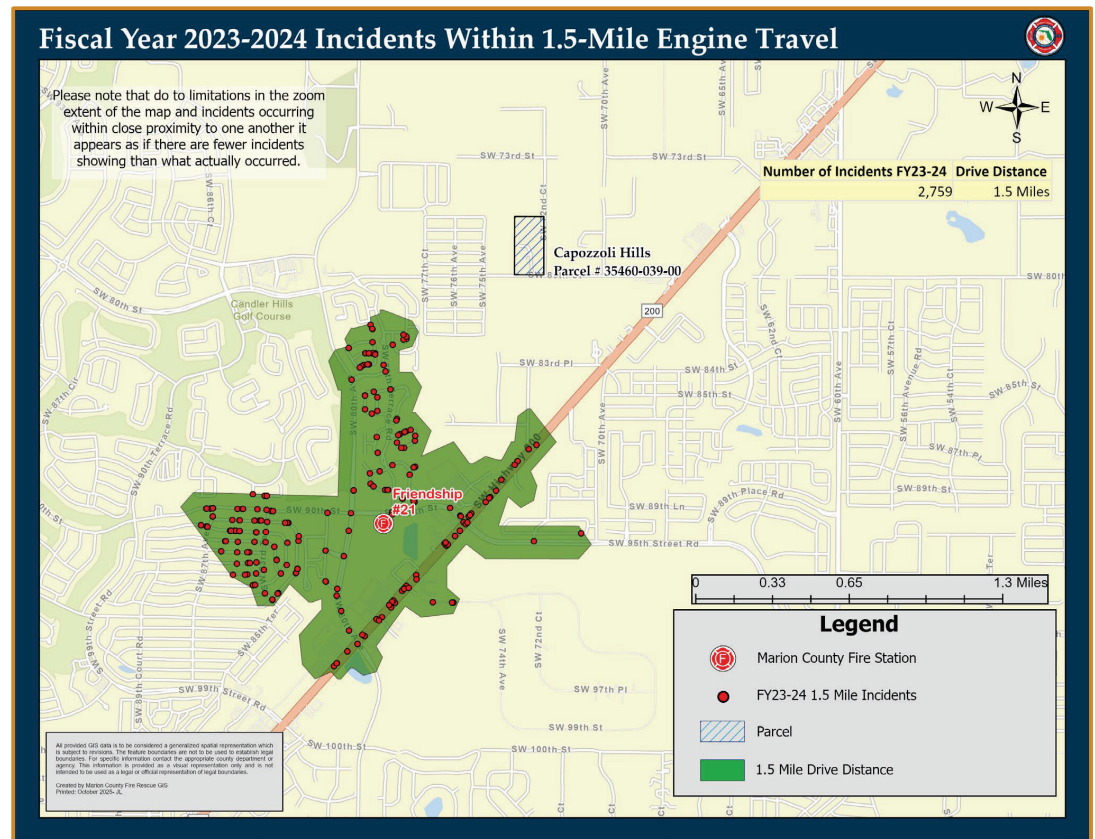
FIRE STATION 23, 5.4 ROAD MILES

FIRE STATION 32, 6.3 ROAD MILES



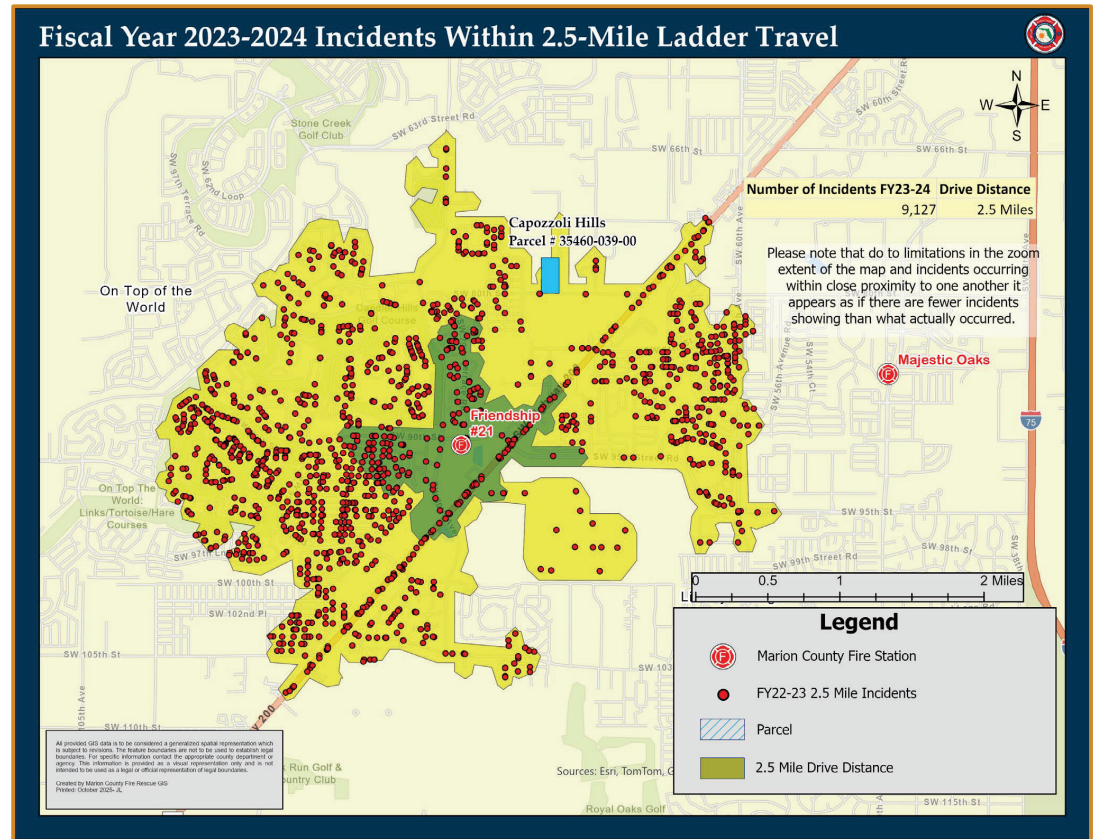
# FY23/24 INCIDENTS WITHIN 1.5-MILE ENGINE TRAVEL

THERE WERE 2,759 CALLS FOR  
SERVICE WITHIN THE 1.5 MILE TRAVEL  
FOR FIRE STATION 21.



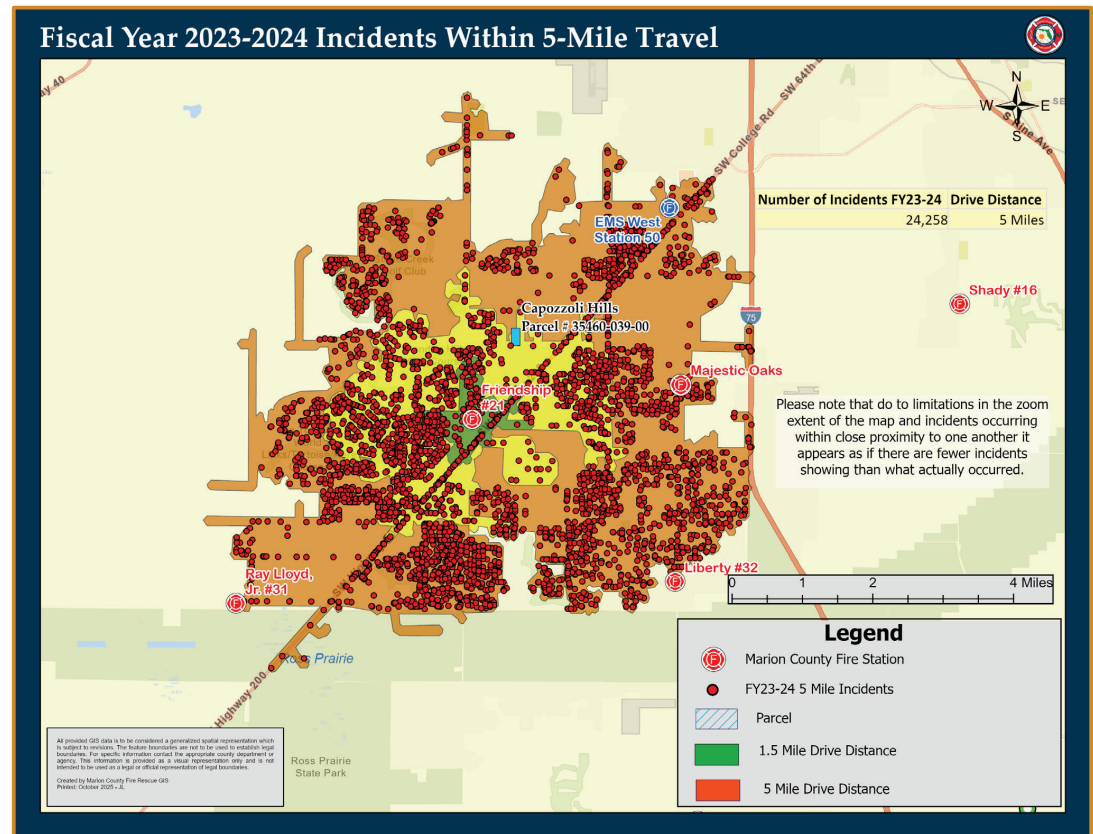
# FY23/24 INCIDENTS WITHIN 2.5-MILE LADDER TRAVEL

THERE WERE 9,127 CALLS FOR  
SERVICE WITHIN THE 2.5 MILE TRAVEL  
FOR FIRE STATION 21.



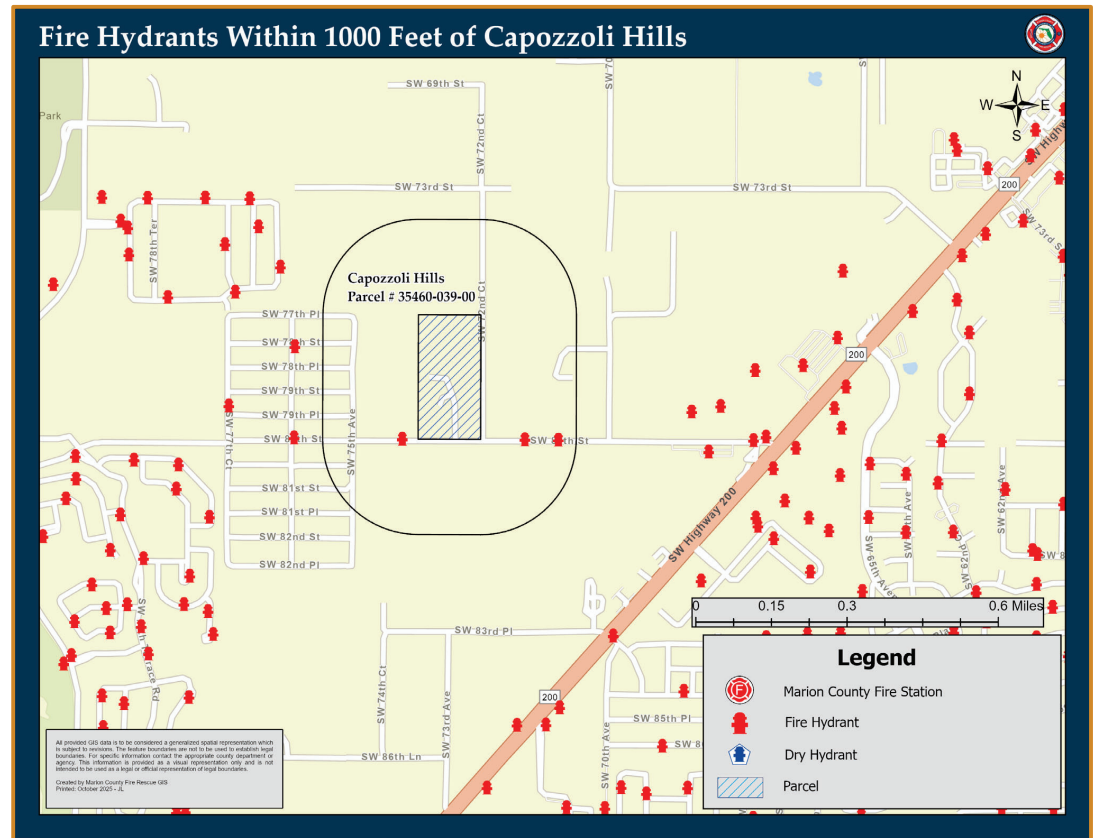
# FY23/24 INCIDENTS WITHIN 5-MILE TRAVEL

THERE WERE 24,258 CALLS FOR SERVICE WITHIN THE 5 MILE TRAVEL FOR FIRE STATION 21.



# FIRE HYDRANTS WITHIN 1000 FEET

THIS PARCEL IS WITHIN 1,000 FEET OF  
3 FIRE HYDRANTS AND 0 DRY  
HYDRANT.



## Closest Fire Suppression Response



- Station 21 (Friendship)
  - 5-minute travel time
  - Overlapping Incidents: FY23/24 suppression unit overlap rate: 6.55% – (Green)
  - 1,077 incidents/unit
- Station 23 (Majestic Oaks)
  - 10-minute travel time
  - Overlapping Incidents: FY23/24 suppression unit overlap rate: 2.63% – (Green)
  - 342 incidents/unit
- Station 32 (Liberty)
  - 13-minute travel time
  - Overlapping Incidents: FY23/24 suppression unit overlap rate: 3.90% – (Green)
  - 1,052 incidents/unit

*Note: non-transport units with greater than 2,000 incidents is measure to consider adding additional resources.*

## Closest Ambulance Response



- Station 21 (Friendship)
  - 5-minute travel time
  - Overlapping Incidents: FY23/24 transport unit overlap rate: 2.86% – (Green)
  - 2,432 incidents/unit (Below Trigger Point)(3 Transport Units)(68 incidents away from trigger point)
- Station 50 (EMS West)
  - 6-minute travel time
  - Overlapping Incidents: FY23/24 transport unit overlap rate: 1.83% – (Green)
  - 1,162 incidents/unit
- Station 32 (Liberty)
  - 13-minute travel time
  - Overlapping Incidents: FY23/24 transport unit overlap rate: 19.27% – (Yellow)
  - 2,615 incidents/unit (Above Trigger Point)(1 Transport Unit)

*Note: transport units with greater than 2,500 incidents is measure to consider adding additional resources.*

# OTHER RESIDENTIAL DEVELOPMENTS

THERE WERE 7 OTHER  
DEVELOPMENTS CONSIDERING FIRE  
RESCUE SERVICE LEVELS IN  
ADDITION TO THIS REQUEST.



## Current Status of Fire Rescue Service in the Area.



- There is no additional budgeted units for this area to date.

## Recommendations from Fire Rescue



- If approved, additional resources are warranted to handle increased demand from the proposed parcel.
  - The transport unit from one of the three closest fire stations are above the adopted capacity limits currently and additional growth will exacerbate these numbers.



# QUESTIONS?