



BAY LAUREL-MELODY PRESERVE ADDITION/8445 SW 80TH STREET/ PARCEL # 35474-000-00





Bay Laurel-Melody Preserve - 8445 SW 80th Street

- The PUD Master Plan Amendment proposes to primarily: (1) alter the locations of various uses and the location of a corridor roadway on the Property; (2) amend the PUD Development Standards to modernize the standards; and (3) incorporate a 44.25 acre± parcel into the PUD; 837.0 AC Total (the "Added Parcel").
- The Added Parcel together with a 27.65 acre ± parcel already located within the PUD, will encompass Melody Preserve, a proposed 233 unit (161 units in Added Parcel) age-restricted, single family detached development with amenities, located on the east side of SW 80th Ave.





- 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 a 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

- Workload- Workload is the first factor for consideration. The measure of how much work an individual unit incurs could be as simple as a sum of incidents within a given period of time, such as a year.
 - However, incident duration can vary significantly from minutes to hours and thus this
 method does not provide the best measure of workload.
 - A more accurate method—while still not a perfect measure—is to consider the amount of time to which a unit is assigned and compare that to the amount of time the unit is in service, a measure referred to as unit hour utilization.
 - The imperfection of this measure is that it does not capture other on-duty activities such as training, station maintenance, apparatus maintenance, hydrant testing, hose testing, preincident planning, public education events, etc.



Common Definitions Used By Fire Rescue

- Resource Reliability- refers to the number of incidents occurring simultaneously within the service area.
 - As the number of simultaneous incidents increases, the ability to respond to additional calls for service decreases.
 - Displayed in percentage of occurrence.

Level of concern for reliability	Percentage		
Low	0-10%		
Moderate	11-20%		
High	21-30% or More		

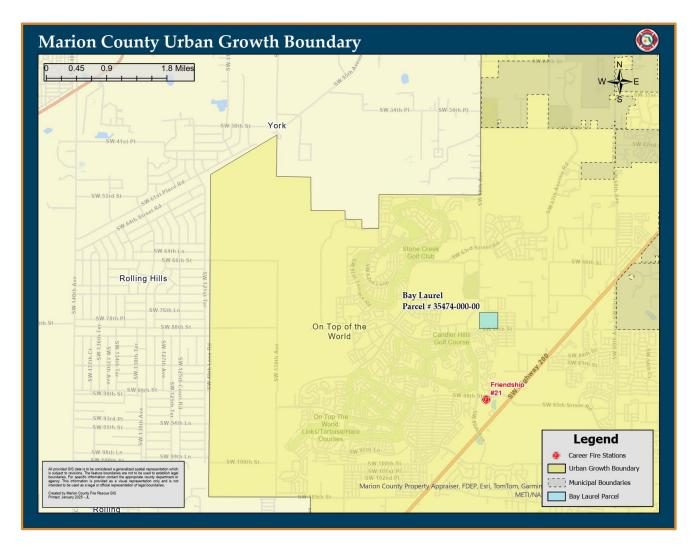




- NFPA 1061: Standard for Public Safety Telecommunications Personnel Professional Standards Qualifications
- NFPA 1201: Standard for Providing Fire and Emergency Services to the Public
- NFPA 1225, Standard for Emergency Services Communications
- NFPA 1660: Standard for Emergency, Continuity, and Crisis 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 AND IS LOCATED IN COMMISSION DISTRICT 5.



CLOSEST FIRE STATION LOCATIONS

THE FOLLOWING FIRE STATIONS ARE LOCATED NEAR THE PARCEL FOR CONSIDERATION:

FIRE STATION 21, 1.6 ROAD MILES

FIRE STATION 23, 4.7 ROAD MILES

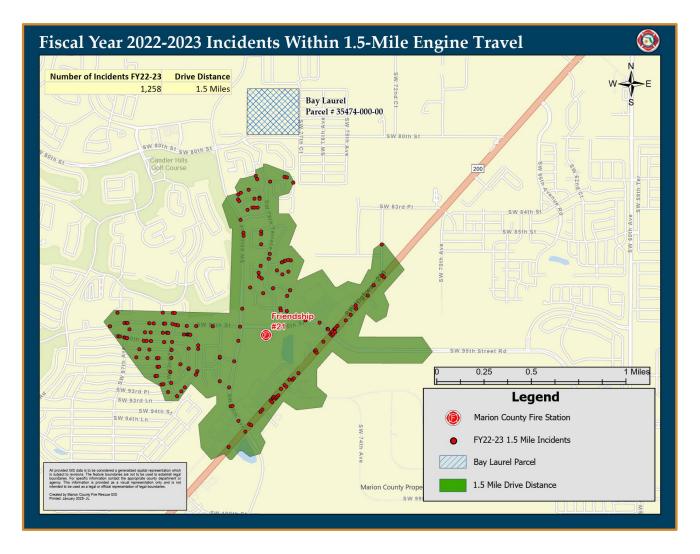
FIRE STATION 31, 6.1 ROAD MILES

FIRE STATION 32, 6.9 ROAD MILES



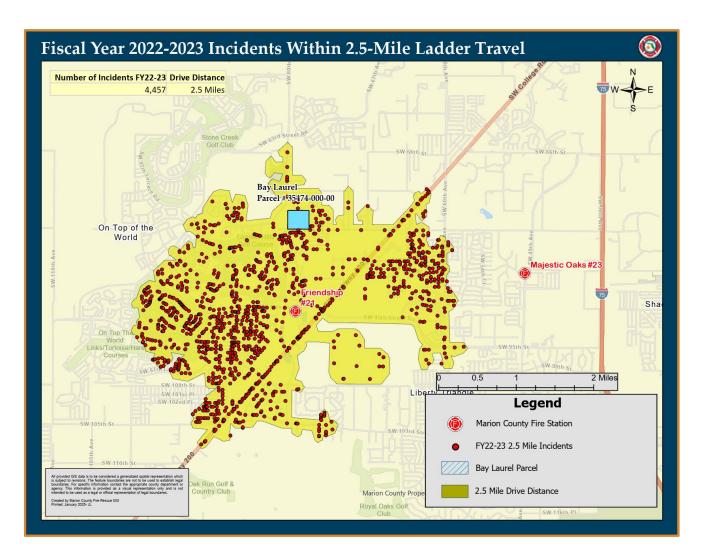
FY22/23 INCIDENTS WITHIN 1.5-MILE ENGINE TRAVEL

THERE WERE 1,258 CALLS FOR SERVICE WITHIN THE 1.5 MILE ENGINE TRAVEL FOR FIRE STATION 21.



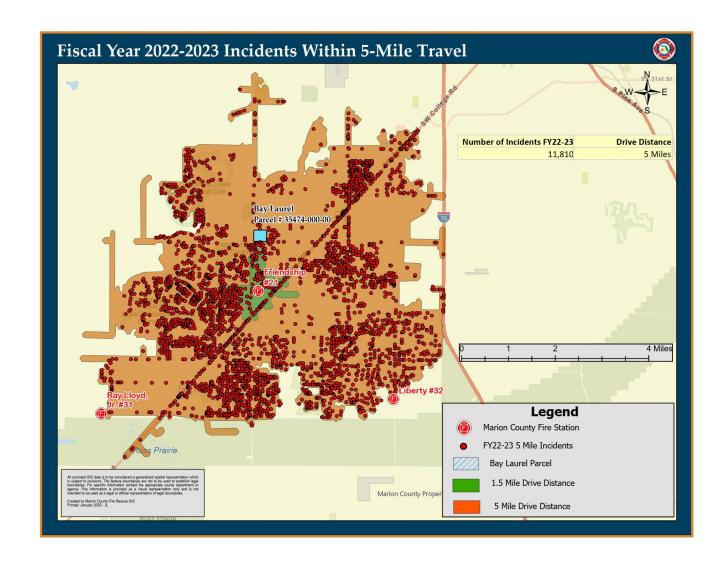
FY22/23 INCIDENTS WITHIN 2.5-MILE LADDER TRAVEL

THERE WERE 4,457 CALLS FOR SERVICE WITHIN THE 2.5 MILE LADDER TRAVEL FOR FIRE STATION 21.



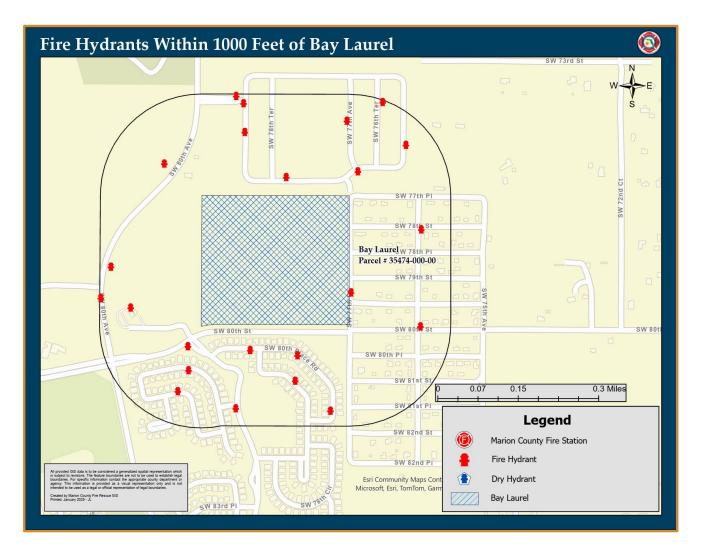
FY22/23 INCIDENTS WITHIN 5-MILE TRAVEL

THERE WERE 11,810 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 23 FIRE HYDRANTS AND 0 DRY HYDRANTS.



Closest Fire Suppression Response



- Station 21 (Friendship)
 - 5-minute travel time
 - Moderate incident reliability concern per non-transport unit at 28.2 % in FY22/23
 - 2111 incidents/unit (Above Trigger Point)
- Station 31 (Ray Lloyd, Jr.)
 - 12-minute travel time
 - Moderate incident reliability concern per non-transport unit at 15.82 % in FY22/23
 - 1538 incidents/unit

- Station 32 (Liberty)
 - 14-minute travel time
 - Moderate incident reliability concern per non-transport unit at 12.34 % in FY22/23
 - 2162 incidents/unit (Above Trigger Point)
- Station 23 (Majestic Oaks)
 - 9-minute travel time
 - Station Opened January 2025

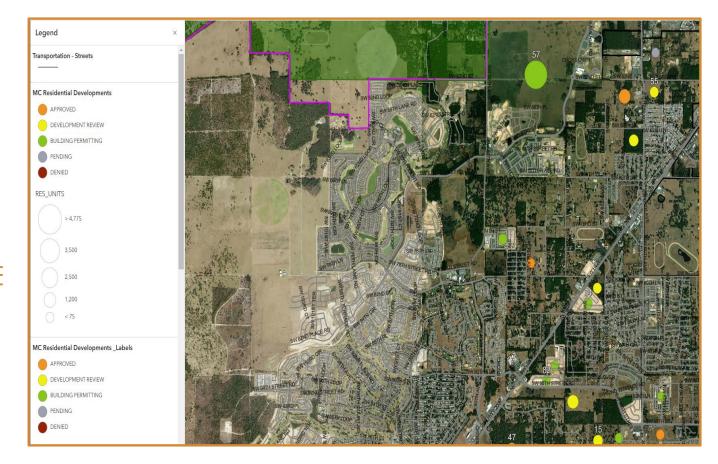
Closest Ambulance Response

- Station 21 (Friendship)
 - 5-minute travel time
 - Low incident reliability concern per transport unit at 1.44% in FY22/23
 - 1989 incidents/unit (Below Trigger Point)
 - 3 rescues
- Station 31 (Ray Lloyd, Jr.)
 - 12-minute travel time
 - Low incident reliability concern per transport unit at 3.61 % in FY22/23
 - 1414 incidents/unit (Below Trigger Point)
 - 2 rescues

- Station 32 (Liberty)
 - 14-minute travel time
 - Moderate incident reliability concern per transport unit at 19.9 % in FY22/23
 - 2507 incidents/unit (Above Trigger Point)
 - 1 rescue
- Station 12 (Meadowood Farms)
 - 14-minute travel time
 - Moderate incident reliability concern per transport unit at 15.64 % in FY22/23
 - 1726 incidents/unit (Below Trigger Point)
 - 1 rescue

OTHER RESIDENTIAL DEVELOPMENTS

THERE WERE 14 OTHER
DEVELOPMENTS CONSIDERING FIRE
RESCUE SERVICE LEVELS IN
ADDITION TO THIS REQUEST.



Current Status of Fire Rescue Service in the Area



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

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Marion County FLORIDA

Recommendations from Fire Rescue

- If approved, additional resources are warranted to handle increased demand from the proposed parcel.
 - The suppression units from three of the four closest fire stations are above the adopted capacity limits currently and additional growth will exacerbate these numbers.
 - The transport units from two of the four closest fire stations are above the adopted capacity limits currently and additional growth will exacerbate these numbers.
 - Additional Suppression unit is warranted.
 - Additional Transport Unit is warranted.





Engine/Ladder/Heavy Rescue Costs						
	Lieutenant/PM	Driver/PM	EMT	Relief Factor (1.17)	Total Per Shift	Total Per Unit
Average Hourly Rate	\$27.45	\$24.00	\$15.25		N/A	N/A
Stipend	\$0.00	\$0.00	\$0.00		N/A	N/A
Total Hourly Rate	\$27.45	\$24.00	\$15.25		N/A	N/A
Regular Salary/Wages (2,756 hours)	\$75,652.20	\$66,144.00	\$42,029.00	\$31,250.28	\$215,075.48	\$645,226.45
Builtin Overtime (173)	\$7,123.28	\$6,228.00	\$3,957.38	\$2,942.47	\$20,251.12	\$60,753.36
Additional Overtime (150)	\$6,176.25	\$5,400.00	\$3,431.25	\$2,551.28	\$17,558.78	\$52,676.33
Subtotal	\$88,951.73	\$77,772.00	\$49,417.63	\$36,744.03	\$252,885.38	\$758,656.14
FICA Taxes (0.062)	\$5,515.01	\$4,821.86	\$3,063.89	\$2,278.13	\$15,678.89	\$47,036.68
Medicare (0.0145)	\$1,289.80	\$1,127.69	\$716.56	\$532.79	\$3,666.84	\$11,000.51
Retirement Contributions (0.25898)	\$23,036.72	\$20,141.39	\$12,798.18	\$9,515.97	\$65,492.26	\$196,476.77
Worker's Compensation (0.02951)	\$2,624.97	\$2,295.05	\$1,458.31	\$1,084.32	\$7,462.65	\$22,387.94
Health Insurance	\$11,896.00	\$11,896.00	\$11,896.00	\$6,066.96	\$41,754.96	\$125,264.88
Life, AD&D, LTD (0.006741)	\$599.62	\$524.26	\$333.12	\$247.69	\$1,704.70	\$5,114.10
Total	\$133,913.84	\$118,578.26	\$79,683.69	\$56,469.88	\$388,645.67	\$1,165,937.02

Engine (As Equipped)					
Vehicle		Cost	Expected Life Cycle		
Truck	\$	705,000	10-12 years		
Equipment		Cost	Expected Life Cycle		
Truck Radio	\$	9,000	10 years		
Portable Radio (4)	\$	40,000	10 years		
Setcom Intercom/Radio Set	\$	2,500			
Onboard Mobile Gateway	\$	2,000	10 years		
Ruggedized Tablet MDT mount included docking station and pole	\$	2,355	5 years		
Self Contained Breathing Apparatus (4)	\$	40,000	10 years		
SCBA bottle 4500psi (8)	\$	12,000	10 years		
Powered Extrication Equipment (1 set)	\$	30,000	10 years		
Positive Pressure Fan 20"	\$	4,000			
Thermal Imager Monitor Bullard T3	\$	10,000			
K-12 950's	\$	1,700			
Chainsaw	\$	500			
Nozzles	\$	7,000			
Fire Hose	\$	15,000			
Miscellaneous Fire Equipment and Supplies	\$	7,000			
Cardiac Monitor	\$	31,000	10 years		
Miscellaneous Medical Equipment and Supplies	\$	8,000			
Subtotal Equipment	\$	222,055			
Total	\$	927,055	Revised 2/1/23		





Dual-Certified Rescue Costs						
	PM	EMT	Relief Factor (1.17)	Total Per Shift	Total Per Unit	
Base Hourly Rate	\$18.25	\$15.25		N/A	N/A	
Stipend	\$2.00	\$0.75		N/A	N/A	
Total Hourly Rate	\$20.25	\$16.00		N/A	N/A	
Regular Salary/Wages (2,756 hours)	\$55,809.00	\$44,096.00	\$16,983.85	\$116,888.85	\$350,666.55	
Builtin Overtime (173)	\$5,254.88	\$4,152.00	\$1,599.17	\$11,006.04	\$33,018.13	
Additional Overtime (150)	\$4,556.25	\$3,600.00	\$1,386.56	\$9,542.81	\$28,628.44	
Subtotal	\$65,620.13	\$51,848.00	\$19,969.58	\$137,437.71	\$412,313.12	
FICA Taxes (0.062)	\$4,068.45	\$3,214.58	\$1,238.11	\$8,521.14	\$25,563.41	
Medicare (0.0145)	\$951.49	\$751.80	\$289.56	\$1,992.85	\$5,978.54	
Retirement Contributions (0.25898)	\$16,994.30	\$13,427.60	\$5,171.72	\$35,593.62	\$106,780.85	
Worker's Compensation (0.02951)	\$1,936.45	\$1,530.03	\$589.30	\$4,055.79	\$12,167.36	
Health Insurance	\$11,856.00	\$11,856.00	\$4,031.04	\$27,743.04	\$83,229.12	
Life, AD&D, LTD (0.006741)	\$442.35	\$349.51	\$134.61	\$926.47	\$2,779.40	
Total	\$101,869.16	\$82,977.51	\$31,423.93	\$216,270.60	\$648,811.81	

Fire-Based Ambulance (As Equipped)				
Vehicle		Cost	Expected Life Cycle	
Truck With PowerLoad System	5	344,000	6 years	
Equipment		Cost	Expected Life Cycle	
Truck Radio	\$	9,000	10 years	
Portable Radio (2)	\$	20,000	10 years	
Onboard Mobile Gateway	\$	2,000	10 years	
Ruggedized Tablet MDT mount included docking station and pole	\$	2,355	5 years	
Ruggedized Tablet PCR	\$	2,000	5 years	
Self Contained Breathing Apparatus (2)	\$	20,000	10 years	
SCBA bottle 4500psi (4)	\$	6,000	10 years	
Battery Powered Saw	\$	1,000		
Miscellaneous Fire Equipment and Supplies	\$	7,000		
Cardiac Monitor	\$	31,000	10 years	
Chest Compression System	\$	15,000	8 years	
Stair Chair	\$	4,000	10 years	
Autovent	\$	4,000	10 years	
Miscellaneous Medical Equipment and Supplies	\$	15,000		
Lucas				
Stretcher	\$	25,000	10 years	
Subtotal Equipment	\$	129,355		
Total	\$	473,355	Revised 2/1/23	



QUESTIONS?