



5/27



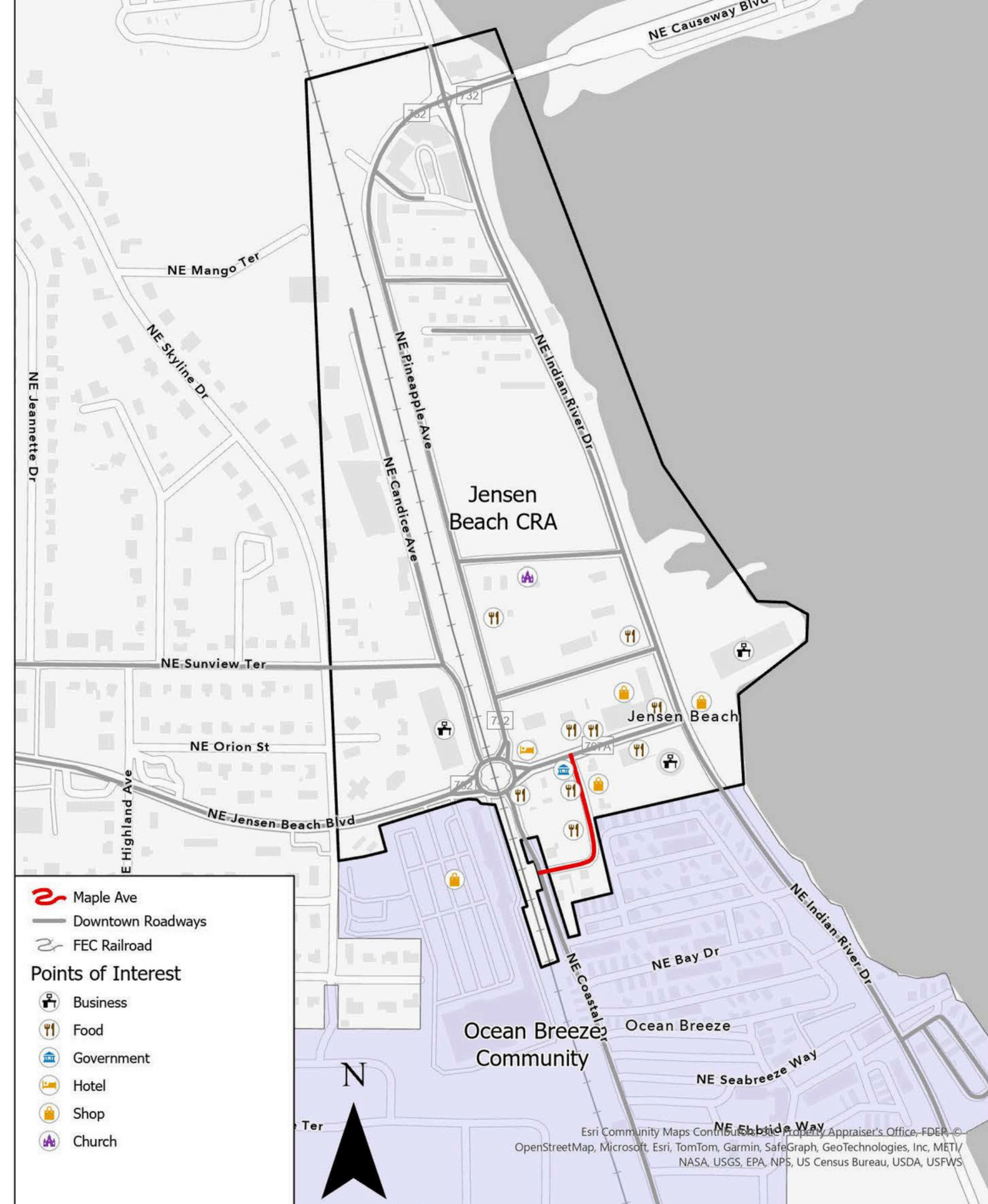
DOWNTOWN JENSEN

Mobility Meets Community

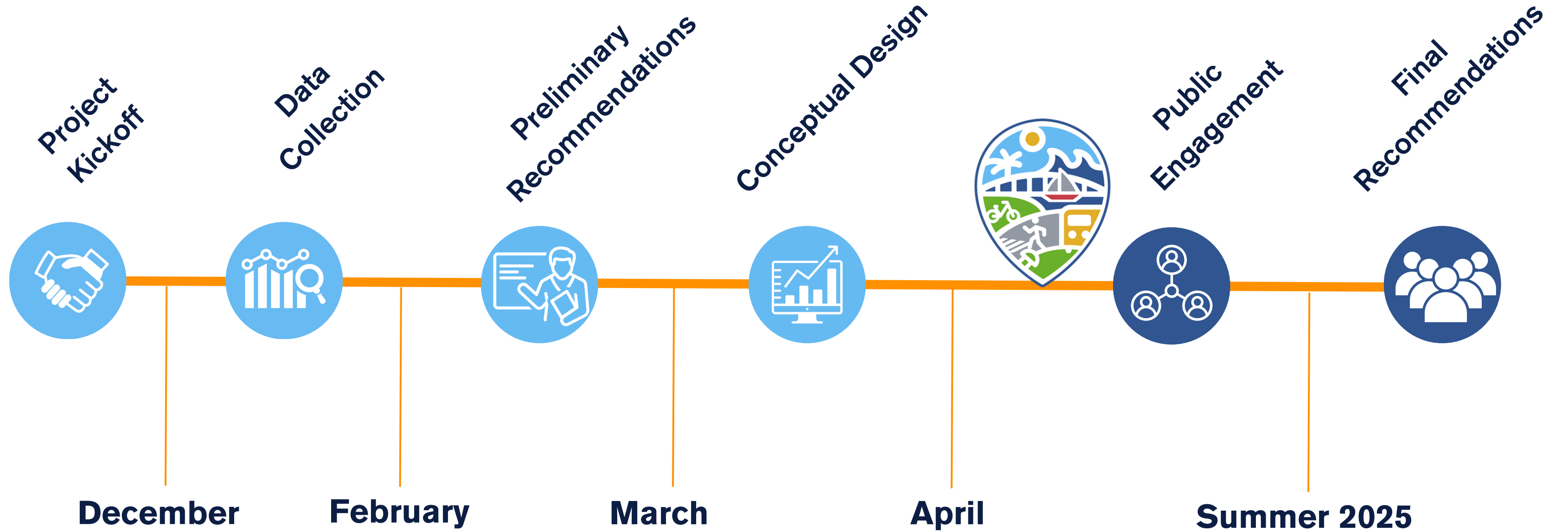
Project Location

- Located in Downtown Jensen Beach CRA
- Key intersections: Jensen Beach Blvd, Maple Ave, FEC Railroad
- Roundabout has 5 legs and active train tracks, creating conflict points
- Bounded by FEC Railway and Indian River Drive
- Mixed-use area: residential, commercial, and industrial

Goals: Improve safety, circulation, parking, and multimodal access

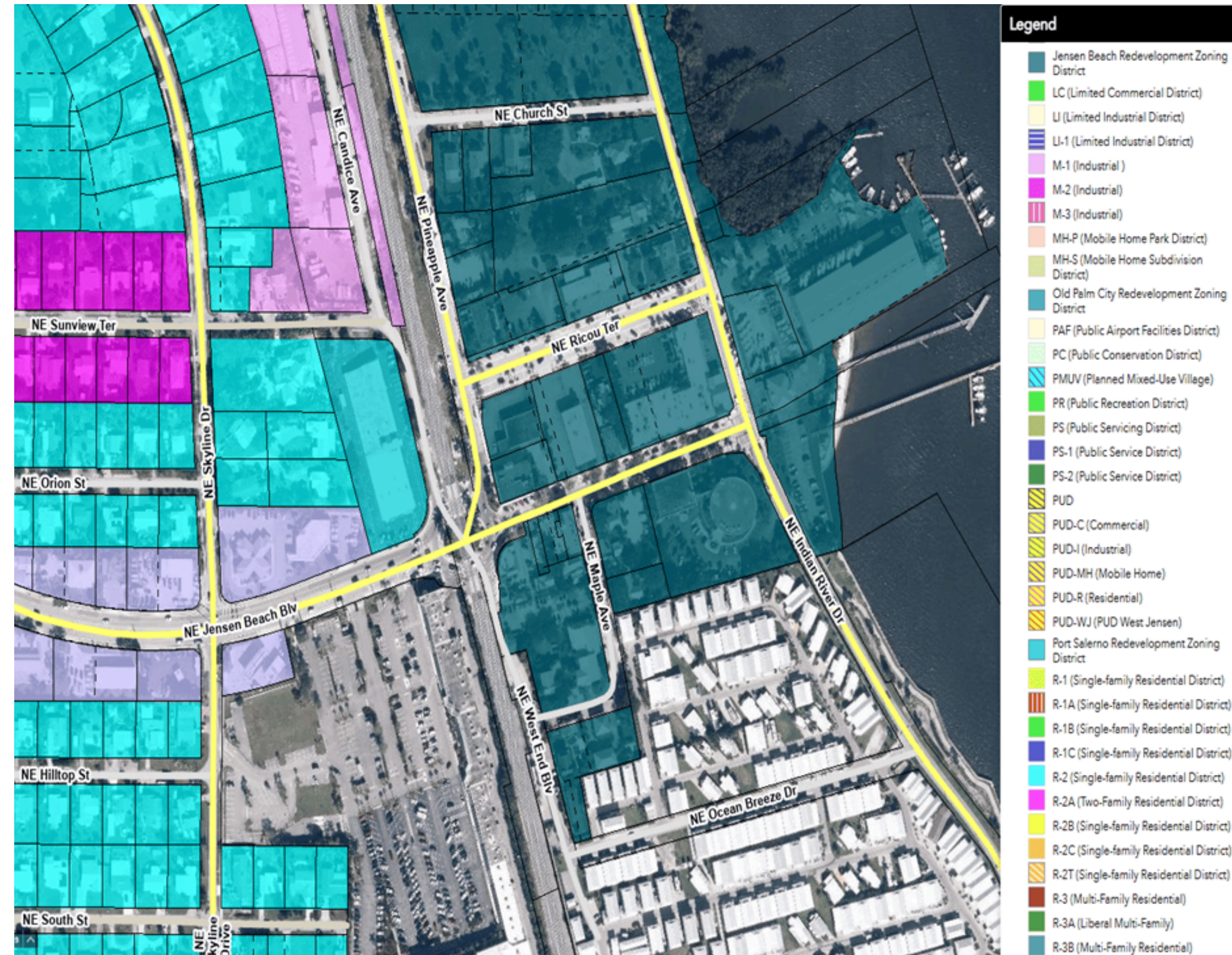


Project Schedule



Adjacent Landuse

- Industrial (M1) facilities requiring freight access.
- Business districts (B1) serving daily commercial needs.
- Wholesale business areas (B2) generating delivery traffic.
- Single-family residential neighborhoods (R2)





5 Year Crash Statistics


- **28 total crashes (4/2019-4/2024)**
- **21% off-road, 29% sideswipe, 29% rear-end**
- **6 vehicles stuck on tracks, 2 hit by trains**
- **75% of crashes due to lane deviation, failure to yield, or tailgating**
- **Pedestrian signage gaps noted**

28 **Total Crashes**

2  **Injury** (7% of Total Crashes)

 **8**
Rear End
(29% of Total Crashes)

8  **Sideswipe**
(29% of Total Crashes)

6  **Off Road**
(21% of Total Crashes)

Top 3 Violations

 **7**
Failure to Yield
(25%)

 **5**
Driving too Closely
(18%)

 **9**
Failure to Keep Lane
(32%)

 **6**
Stuck on railroad
(21%)

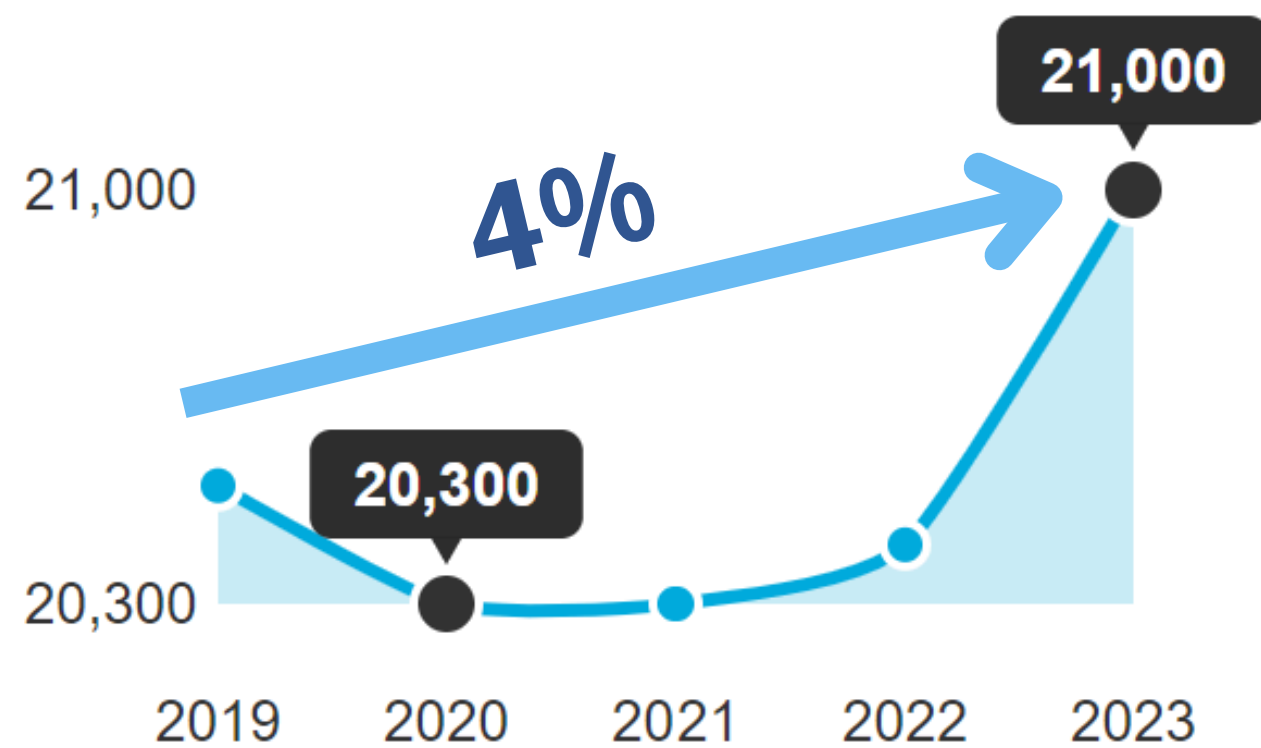


61% of crashes happen during the daytime, and **39%** of injury-related crashes occur during the same hours.

- **2 - Train Collisions**
- **4 - Removed before train arrival**

Traffic Patterns

- Jensen Beach Boulevard: 21,000 AADT (2023)
- NE Pineapple Avenue: 12,800 AADT (2023)
- NE Candice Avenue: 1,600 AADT (2023)



Jensen Beach Blvd. is a key destination

Project Site Visit



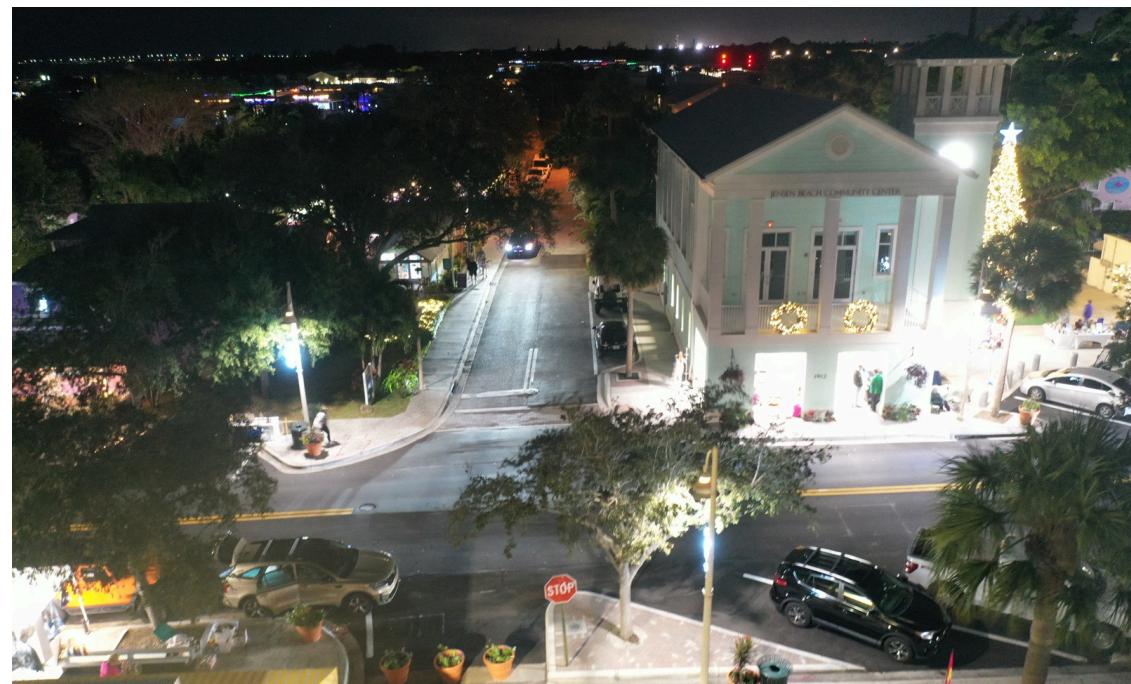
Maple Avenue



Maple and Jensen



Jensen Roundabout



Roundabout 2-Way Conversion

1. **Geometric Constraints**
 - a. **Insufficient width for proper lane configuration**
 - b. **Inadequate space for required splitter island (minimum 50 feet)**
 - c. **Non-compliant turning radii for emergency vehicle**
2. **Safety Concerns**
 - a. **Increased conflict points for vehicles and pedestrians**
 - b. **Inability to meet current roundabout design standards**
 - c. **Potential compromise of ADA compliance**
3. **Operational Issues**
 - a. **Insufficient space for proper emergency vehicle movements**
 - b. **Inadequate queuing space between railroad tracks and roundabout**
 - c. **Limited sight distance at approach**



Parking Inventory

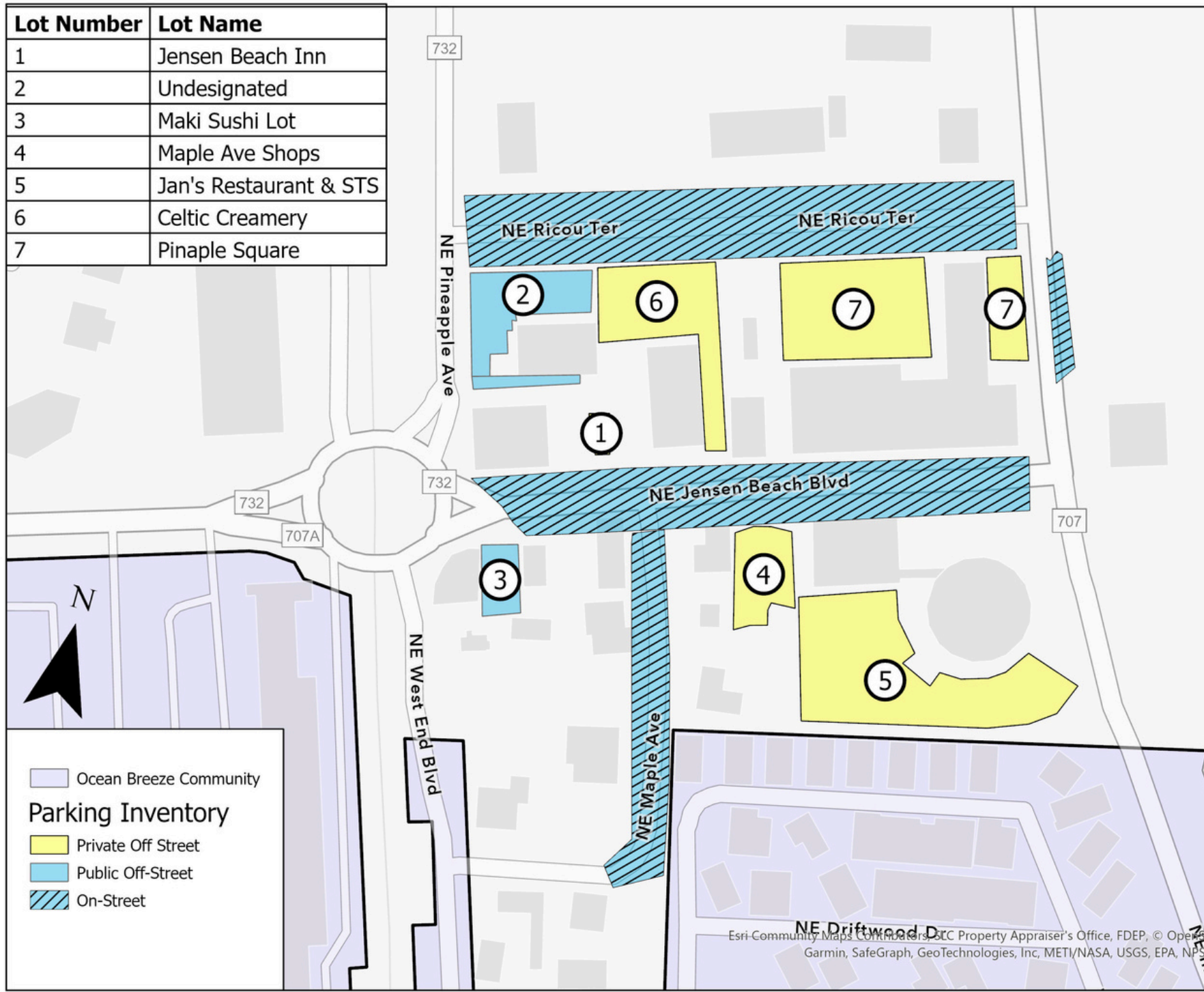
	On-Street	Off-Street	Total
Public	90	21	111
Private	0	132	132
Total			243

243

total parking spaces

54%

parking spaces are private



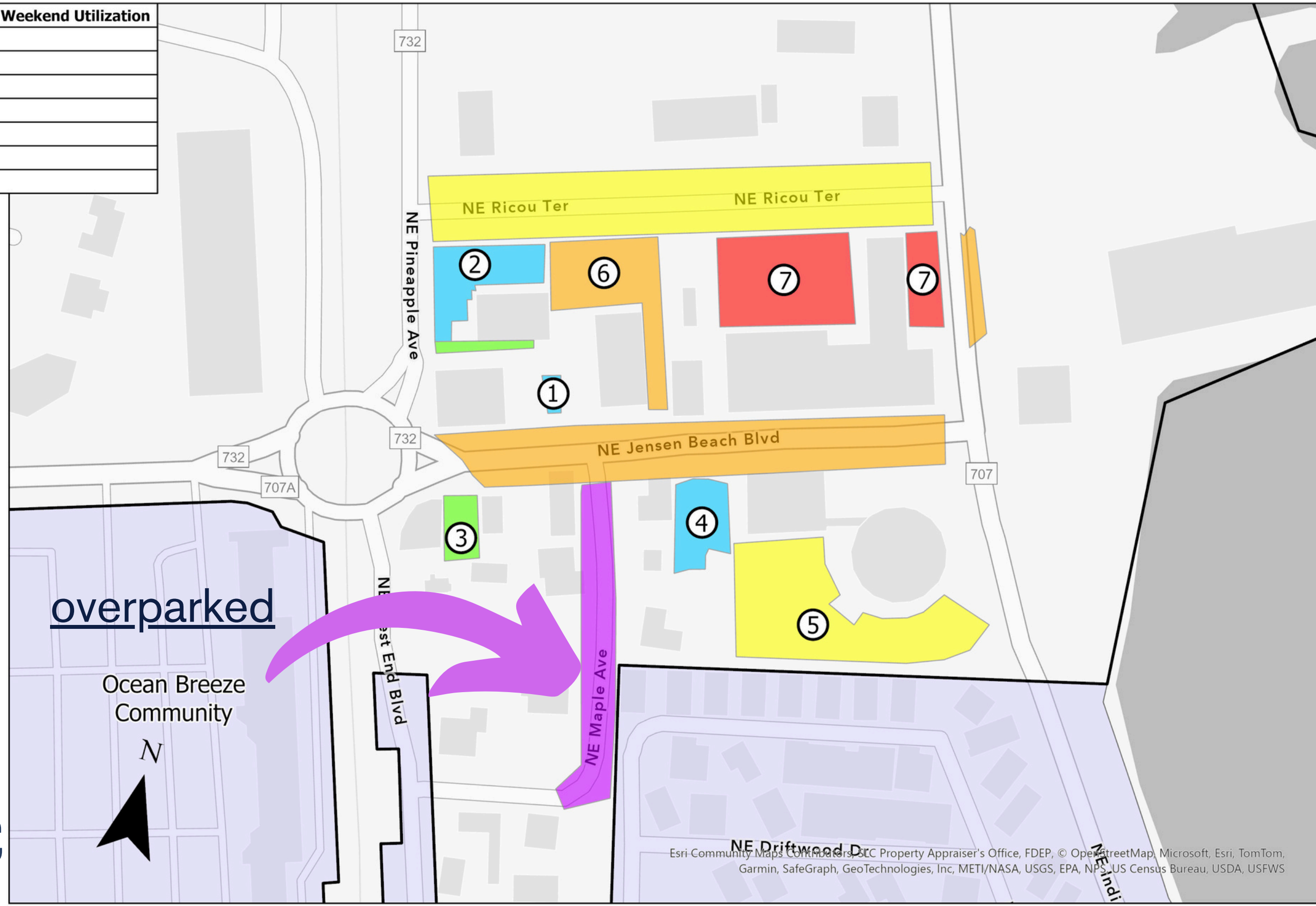


Parking Occupancy - Weekend

Lot Number	Lot Name	% Weekend Utilization
1	Jensen Beach Inn	13
2	Undesignated	16
3	Maki Sushi Lot	28
4	Maple Ave Shops	12
5	Jan's Restaurant & STS	53
6	Celtic Creamery	85
7	Pinapple Square	94

Percentage Utilization

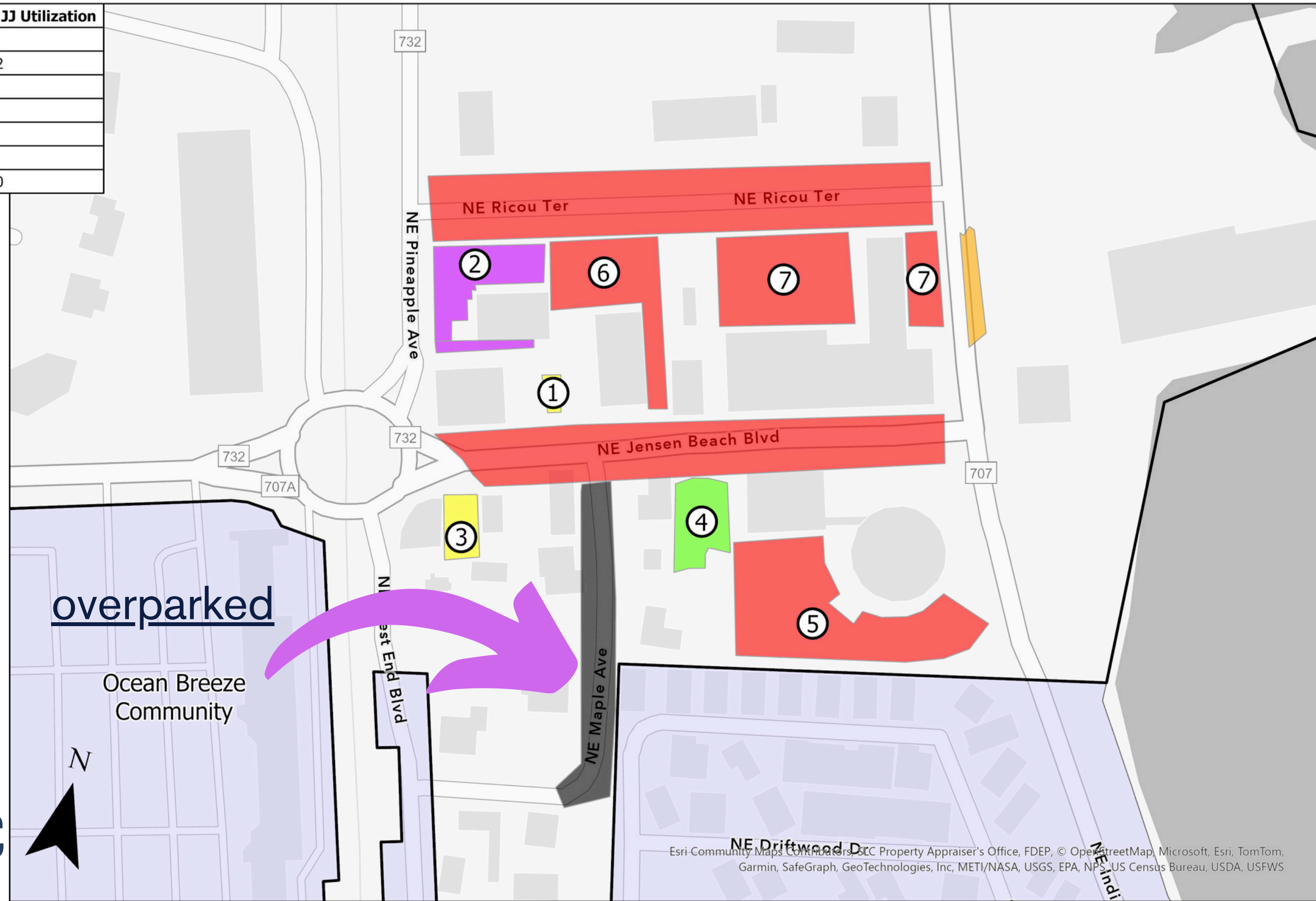
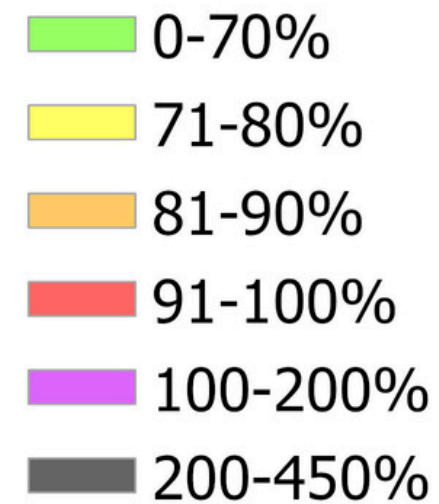
- 0-25%
- 26-50%
- 51-75%
- 76-90%
- 91-100%
- 100-200%



Key Findings - Jammin' Jensen

Lot Number	Lot Name	% JJ Utilization
1	Jensen Beach Inn	75
2	Undesignated	152
3	Maki Sushi Lot	71
4	Maple Ave Shops	0
5	Jan's Restaurant & STS	92
6	Celtic Creamery	92
7	Pinapple Square	100

Percentage Utilization



Key Findings - Weekend

	Spaces	Vehicles	% Occupied
Public	111	80	72.1%
Private	132	83	62.9%
On- Street	90	75	83.3%
Off- Street	153	88	57.5%
Total Occupancy	243	163	67.1%

↓ Parking Challenges

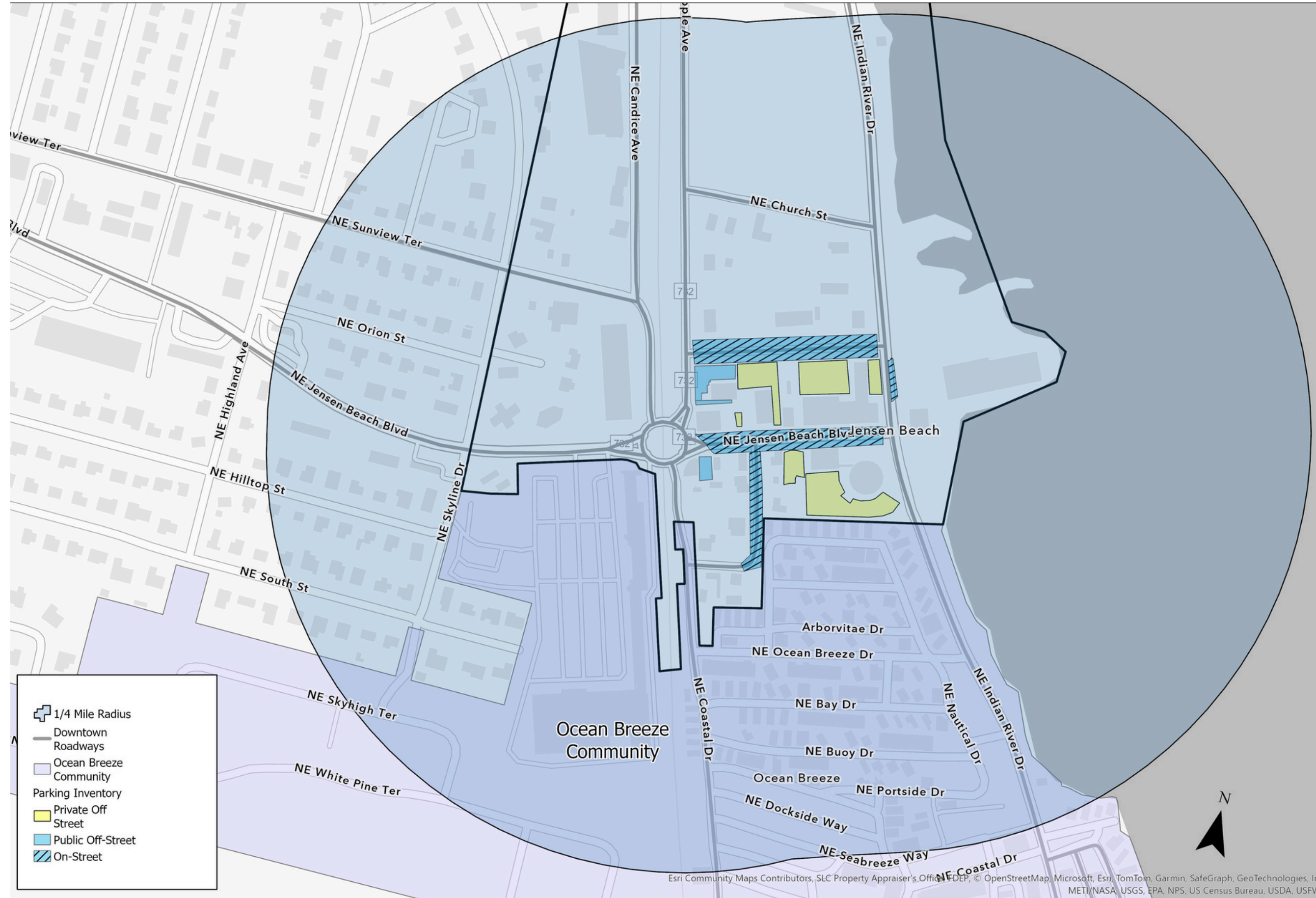


- **Affordable or FREE Parking can lead to high demand and limited availability.**
- Having too many parking spaces can lead to underutilization.
- Optimizing accessibility may require trade-offs in parking allocation or policies.
- Effective parking management strategies are needed to find the right balance.

Key Findings - Jammin' Jensen

	Spaces	Vehicles	% Occupied
Public	111	127	114.4%
Private	132	110	83.3%
On- Street	90	96	106.6%
Off- Street	153	141	92.2%
Total Occupancy	243	237	97.5%

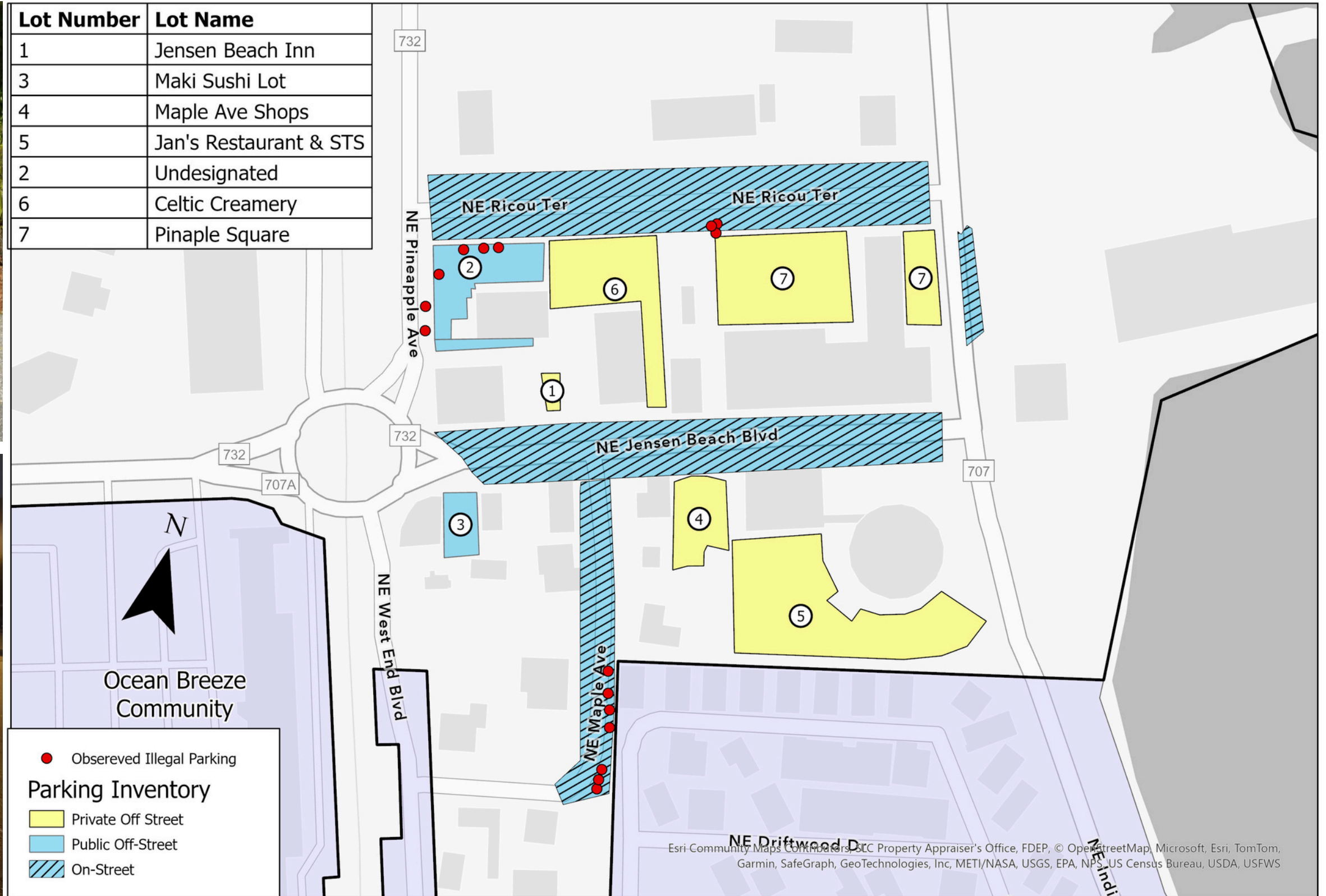
5 Minute Walk Radius



Observed Illegal Parking

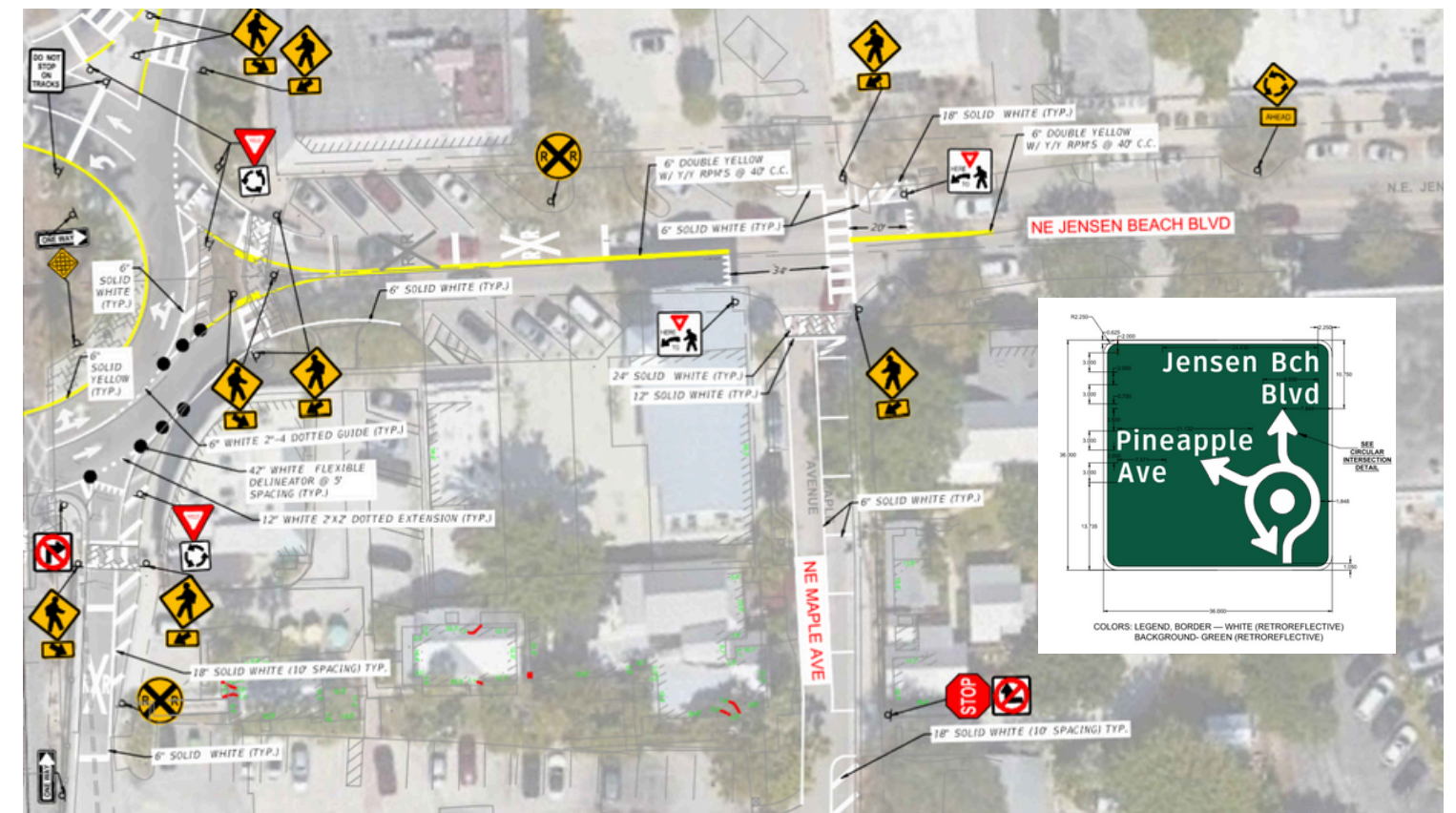
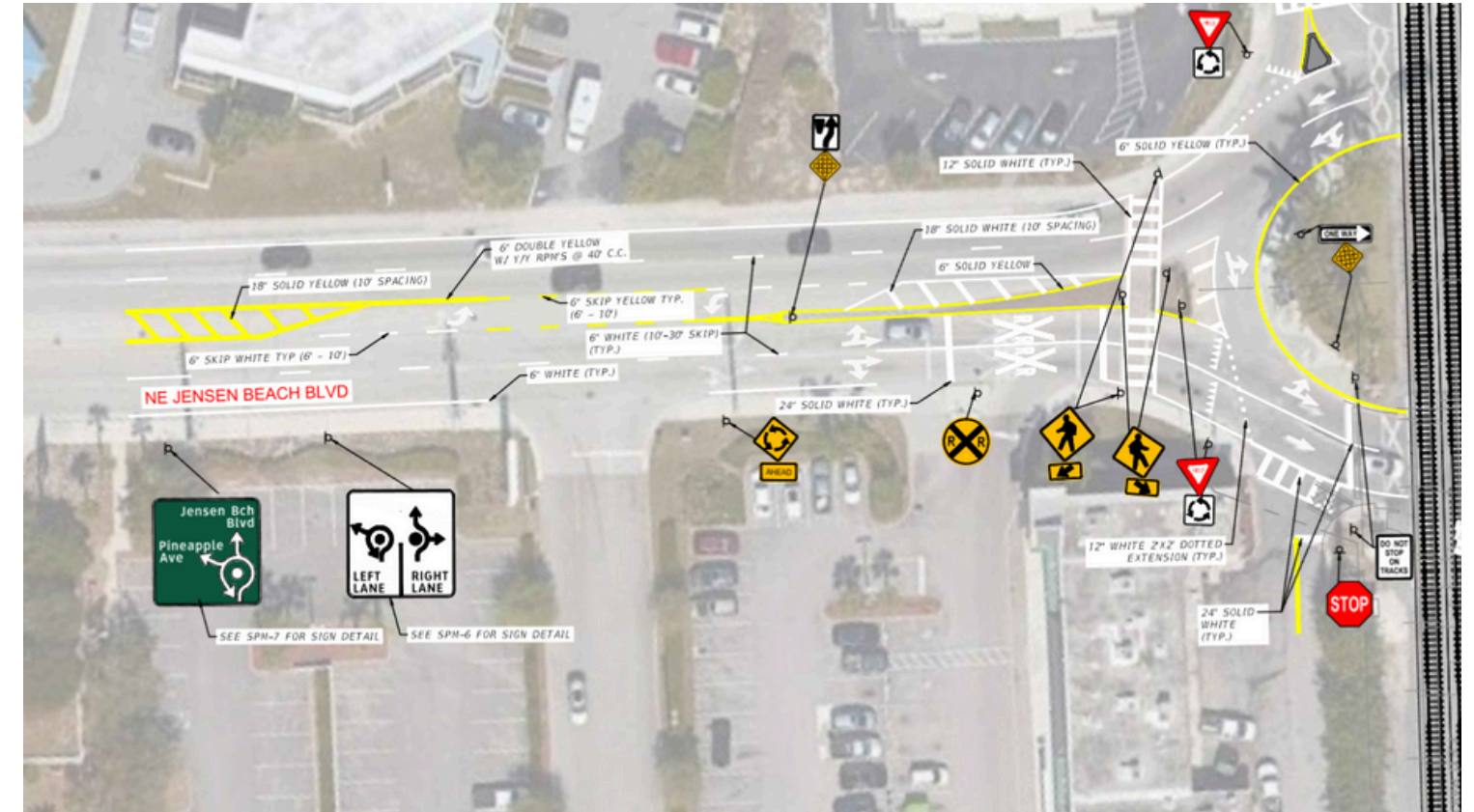


Lot Number	Lot Name
1	Jensen Beach Inn
3	Maki Sushi Lot
4	Maple Ave Shops
5	Jan's Restaurant & STS
2	Undesignated
6	Celtic Creamery
7	Pinapple Square



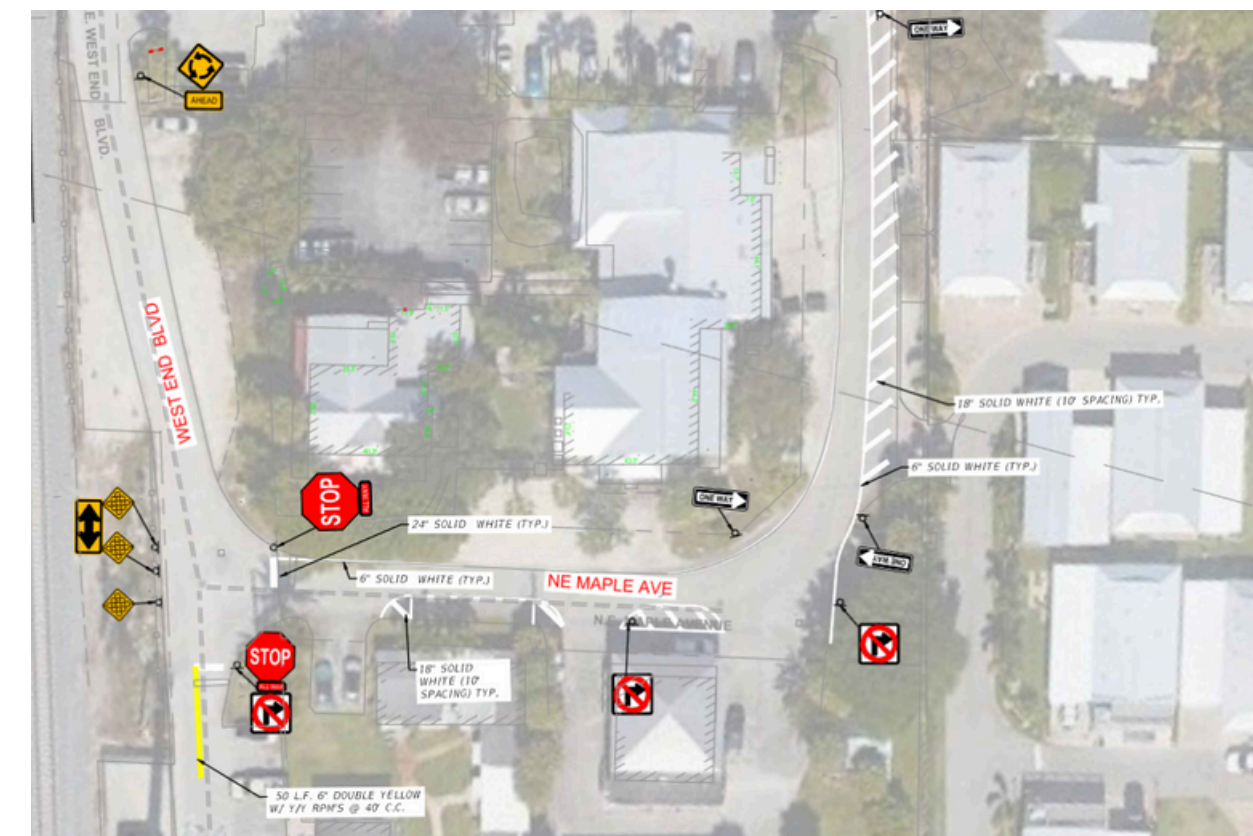
Immediate Recommendations

1. Update signs and pavement markings per 2023 MUTCD
2. Add yield signs, roundabout plaques, and directional arrows
3. Install pedestrian crossing signs and refuge islands
4. Improve railroad warning signage and alignment
5. Install wayfinding signage for roundabout



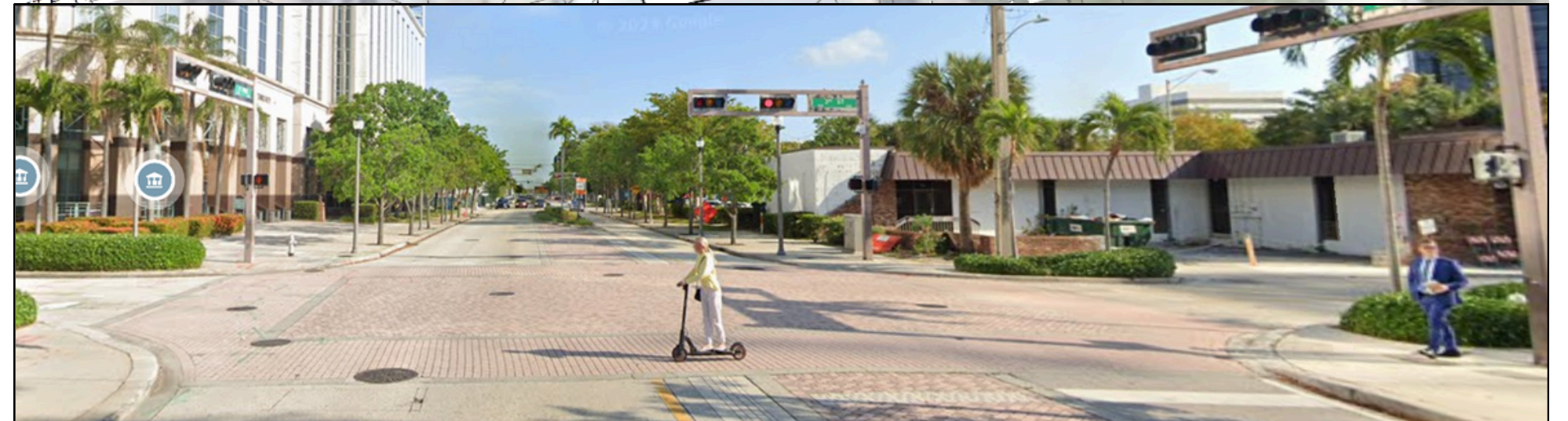
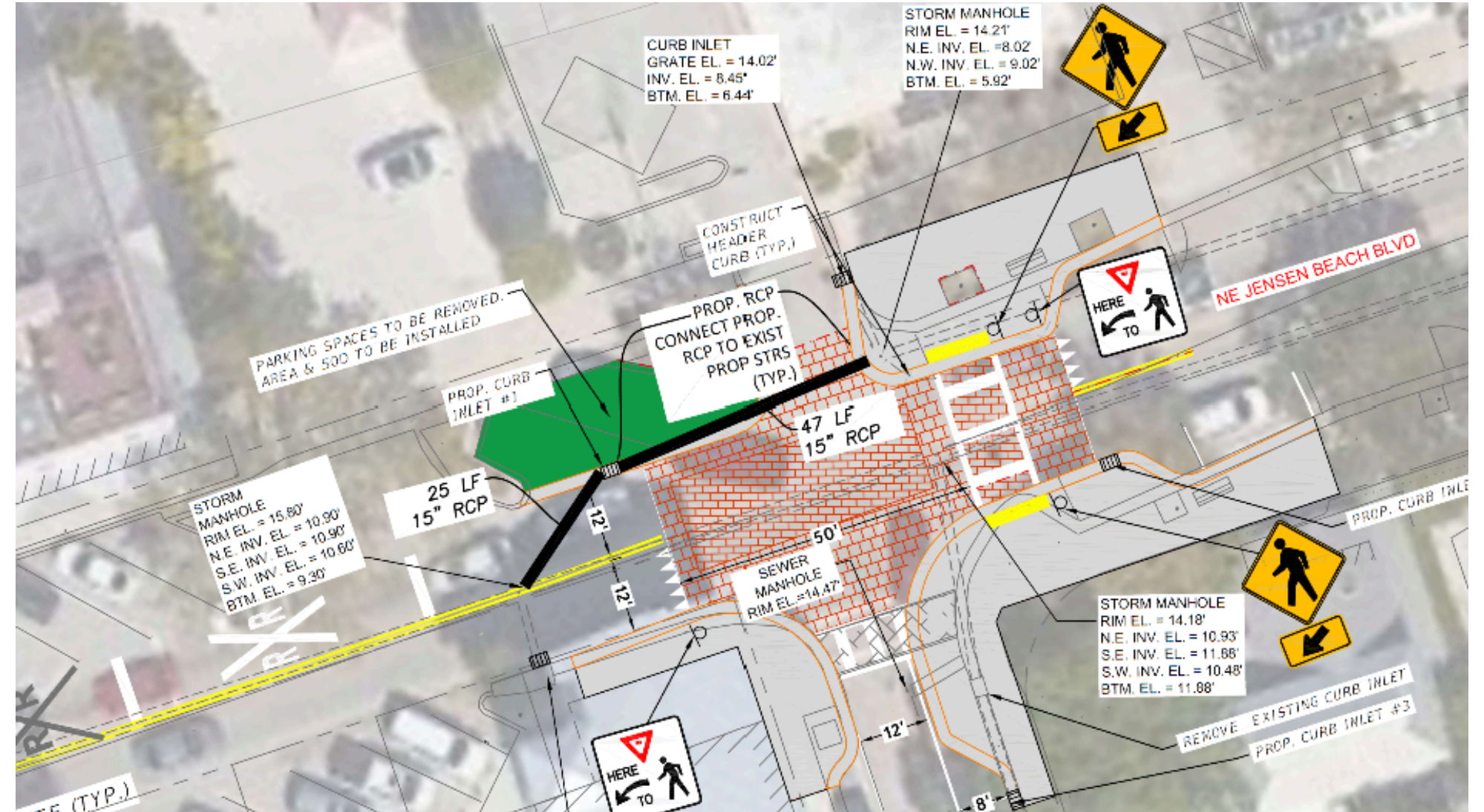
Street Conversions & Accessibility

1. **West End Blvd: Convert to one-way northbound**
2. **Safer turning radius, improved ADA compliance**
3. **Maple Ave: Convert to one-way southbound**
4. **Adds ~8 parking spaces, reduces conflict points**
5. **Candice Ave: Right-turn only to reduce merge conflicts**



Long-Term Improvements

1. Raised intersection at Maple Ave and Jensen Beach Blvd
2. Enhances pedestrian safety and gateway aesthetics
3. Example: Downtown City of West Palm Beach (3rd and Olive Ave.)





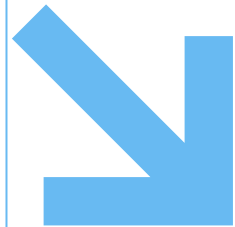
Parking Recommendations

1. **Convert Maple Avenue to one-way southbound**
 - a. **Adds approximately 8 legal parking spaces**
 - b. **Improves traffic flow during events**
2. **Improve event parking management**
 - a. **Use signage to direct drivers to available spaces**
 - b. **Consider temporary overflow parking during peak times**
3. **Install "No Parking" signs where illegal parking is common**
4. **Encourage shared parking agreements with private lots**
5. **Explore future options like a small public lot or shuttle during events**



Implementation Phasing

- 1. Phase 1: Immediate Enhancements**
 - a. **Signage, markings, roundabout improvements, one-way conversions**
- 2. Phase 2: Near-Term Measures**
 - a. **Raised intersection and aesthetic upgrades**
 - b. **One-way conversion of Maple Ave.**



Next Steps

- 1. Seeking community feedback and support**
- 2. Begin phase implementations**