



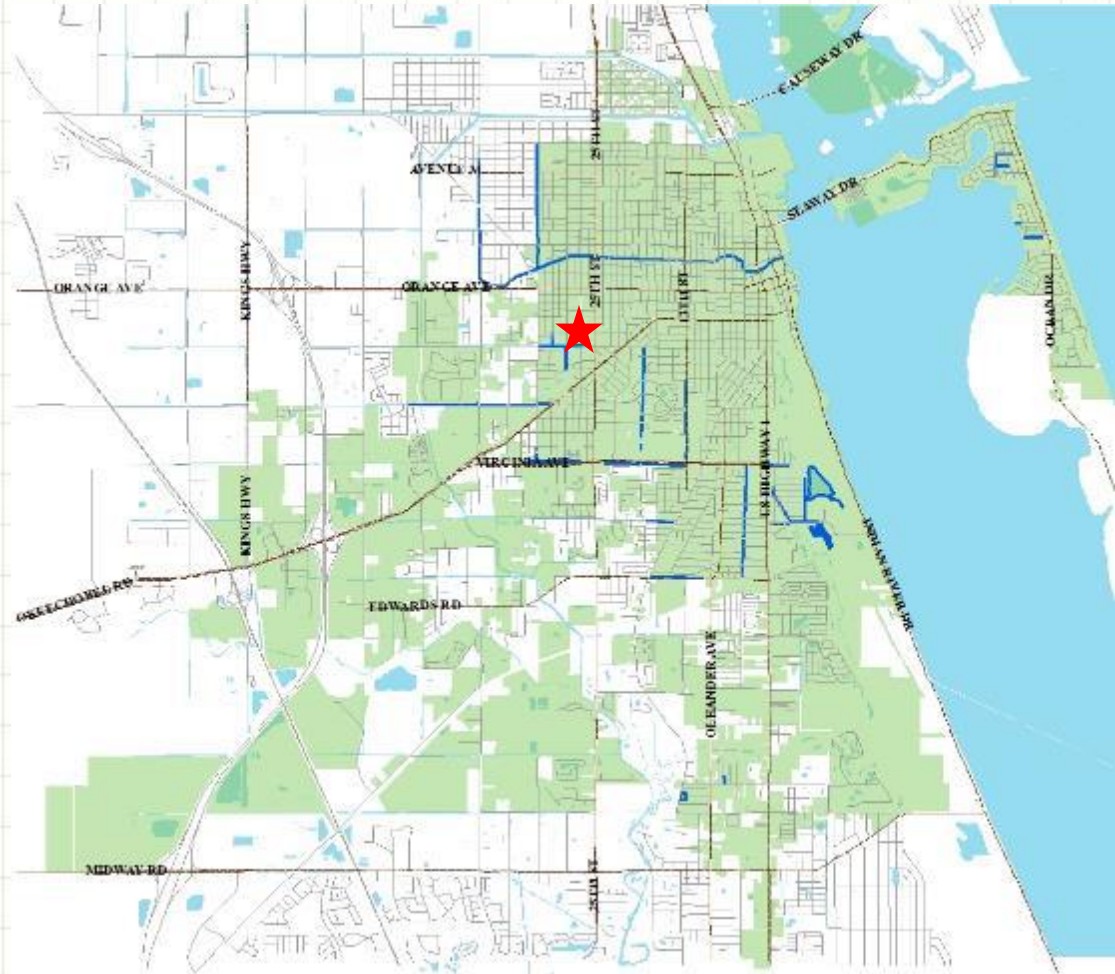
HURRICANE IRMA DAMAGE ASSESSMENT INTERIM REPORT



September 21, 2017

Hurricane Irma Rainfall Amounts

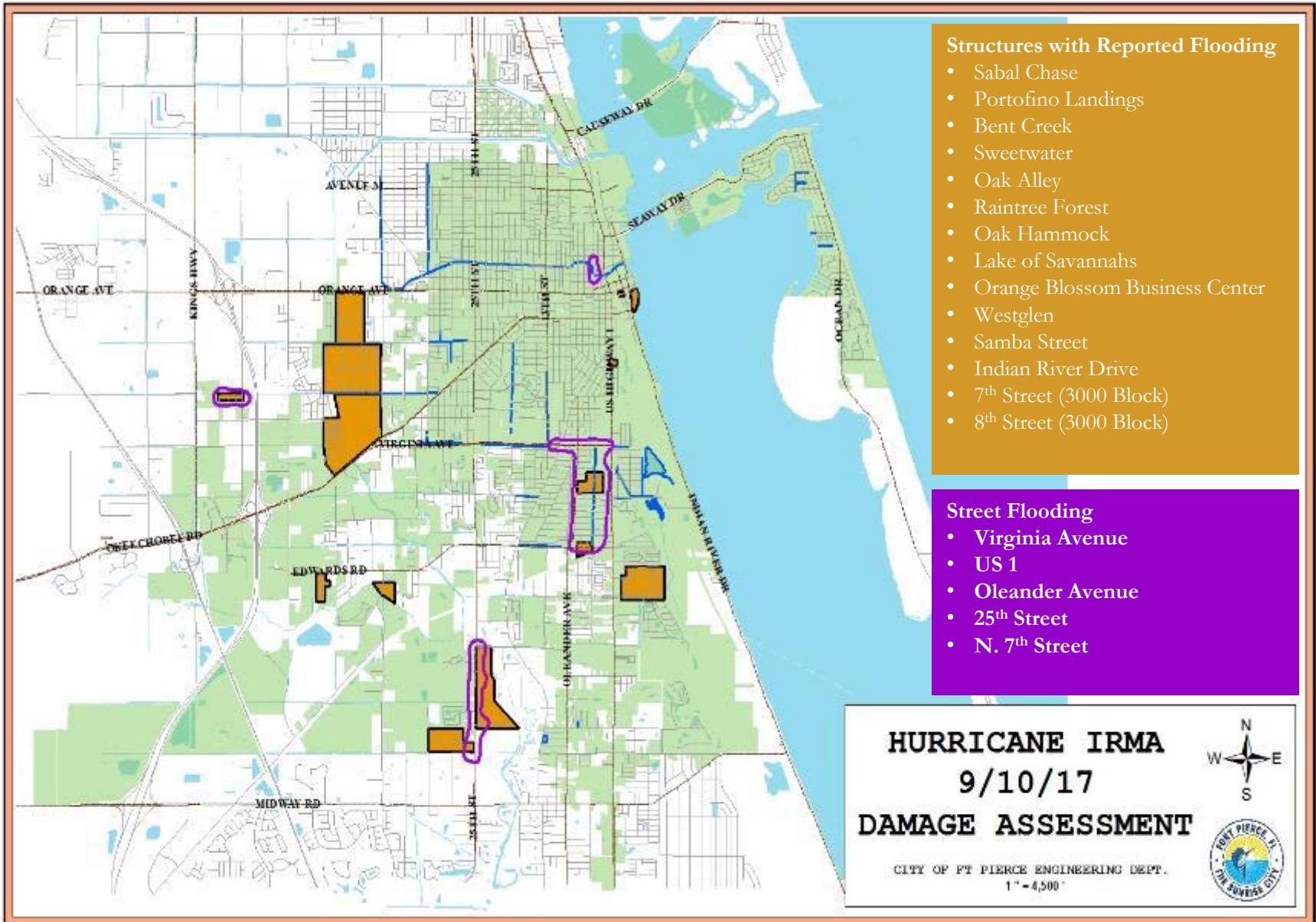
- 21.66 inches of rainfall was recorded at the FPUA Water Treatment Plant for the Saturday, Sunday, Monday 3-day event.



City of Fort Pierce Design Standards

Storm Event	Rainfall Amount	Corresponding Elevation
100 year – 3 day	12.23 in.	Minimum Building Floor Elevation
25 year – 3 day	9.50 in.	Minimum Perimeter Lot Elevation
10 year – 1 day	6.00 in.	Minimum Road/Parking Elevation

City Infrastructure Damage



City Infrastructure Damage



Estimated Damage - Hurricane Irma 2017

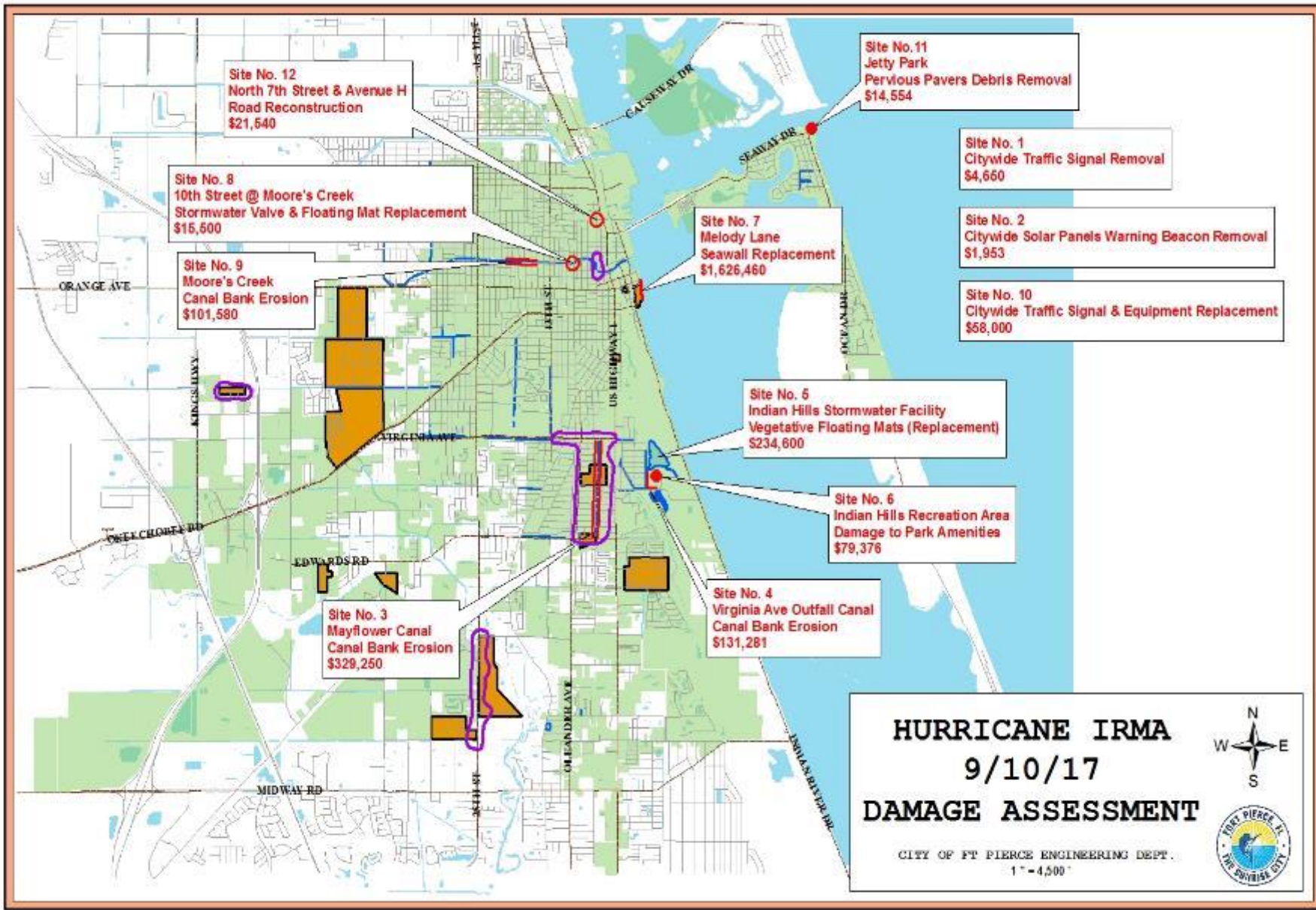
Damage Category:

- A. Debris Removal
- B. Protective Measures
❖ **\$6,603**
- C. Roads and Bridges
❖ **\$1,706,000**
- D. Water Control Facilities
❖ **\$826,765**
- E. Public Buildings
- F. Public Utilities
- G. Other Recreation
❖ **\$79,376**

SITE NO.	PROJECT	ACTION / DAMAGES	ESTIMATED
1	Citywide Traffic Signal Removal	Removal of redundant traffic signal heads from span-wire intersections	\$ 4,850.00
2	Citywide Solar Panels Warning Beacon Removal	Removal of solar panels on warning beacon located at school zones and on warning signs	\$ 1,953.00
3	Mayflower Canal	Canal bank erosion	\$ 328,250.00
4	Virginia Avenue Outfall Canal	Canal bank erosion	\$ 131,281.00
5	Indian Hills Recreation Area (Stormwater Facility)	Destruction of floating aquatic plant system. 12 islands destroyed	\$ 234,800.00
6	Indian Hills Recreation Area (Park Amenities)	Damage to lake banks and site amenities (exercise stations and trees)	\$ 79,376.00
7	Melody Lane Emergency Seawall Repair	Wave damage and erosion of seawall along Melody Lane	\$ 1,628,460.00
8	10th Street & Moore's Creek	Destruction of floating aquatic plant system, 3 islands destroyed. Bypass stormwater valve damaged	\$ 15,500.00
9	Moore's Creek (7th Street to 33rd Street)	Canal bank erosion	\$ 101,580.00
10	Citywide Traffic Signal & Equipment Replacement	Traffic signal & equipment replacement	\$ 58,000.00
11	Jetty Park	Sand infiltration into pervious drainage system. Remove sand and debris, rejuvenation of drainage media	\$ 14,554.00
12	N 7th Street & Avenue H	Portion of roadway and curb washed away	\$ 21,540.00

TOTAL \$ 2,818,744.00

City Infrastructure Damage



City Infrastructure Damage

- Mayflower Canal: \$329,250
- Approximately 1,335' of canal bank erosion



City Infrastructure Damage

- N. 7th Street and Ave. H: \$21,540
- Roadway, curb/gutter and drainage replacement required.



City Infrastructure Damage

- Melody Lane Seawall: \$1,626,460
- Approximately 510' of seawall damaged.



Video
1

Video
2