



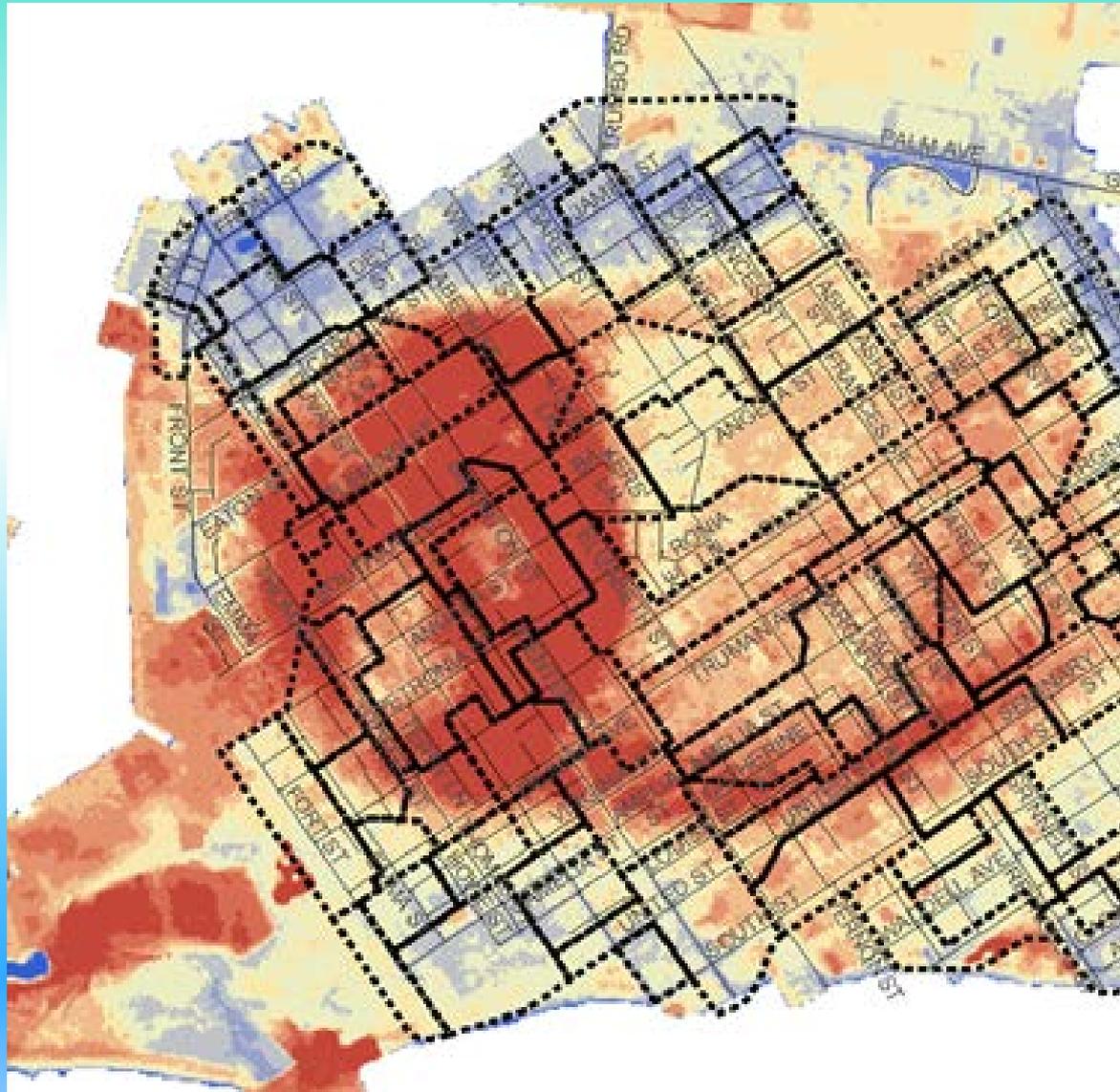
City of Key West

East Front St. Drainage Project

Simonton St. Outfall Project

February 10, 2014

Elevation Challenges at This Location



East Front St Drainage Project and Simonton St. Outfall Project

- New 24" stormwater outfall running from end of Whitehead St., down Front St., terminating at Mallory Square.
- Construction of 5 new gravity wells
- Replace inlets on Duval St. to accept more storm flow
- New emergency outfall for Simonton Beach Pump Station
- New elevated generator for Simonton Pump Station
- Approximate \$4.2 million construction cost estimate. Over 61% Grant Funded



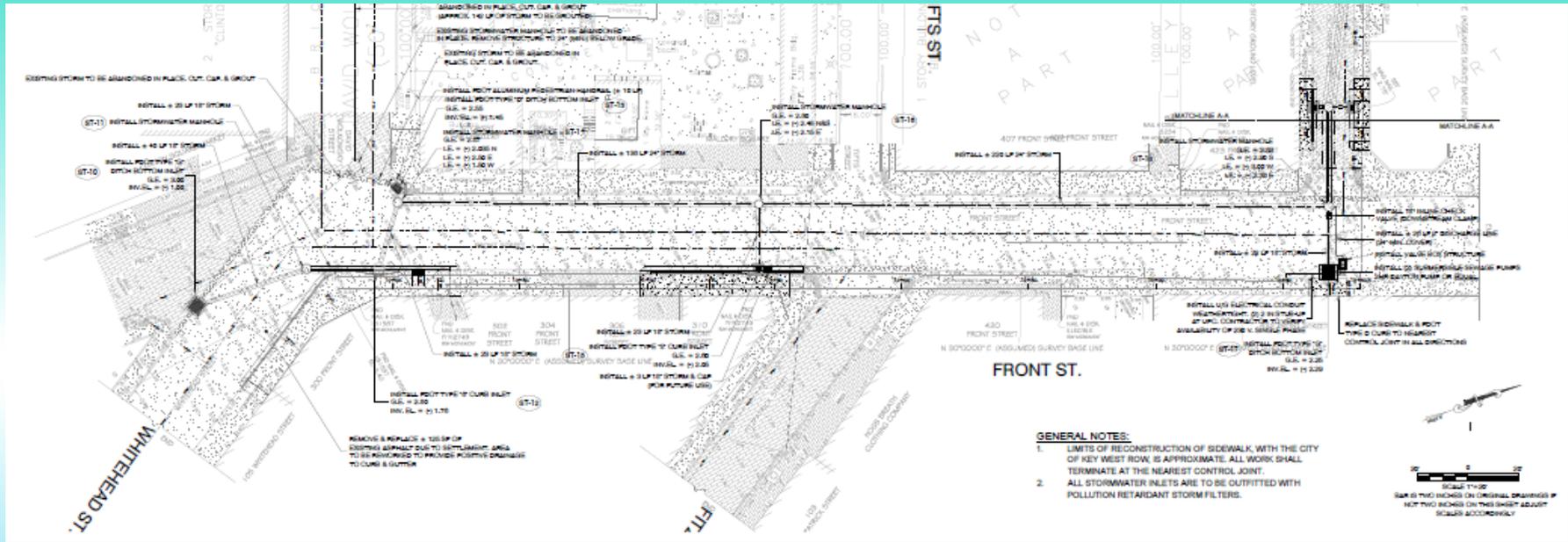
Old, Dilapidated 12 Inch Stormwater Outfall to Be Replaced



New 24" Stormwater Outfall



Route of New Outfall Pipeline



- Begins at manhole at north end of Whitehead St. at Front St.
- Travels down Front St. past Tifts St. to Exchange St.
- Proceeds through to Mallory Square eventually emptying into headwall

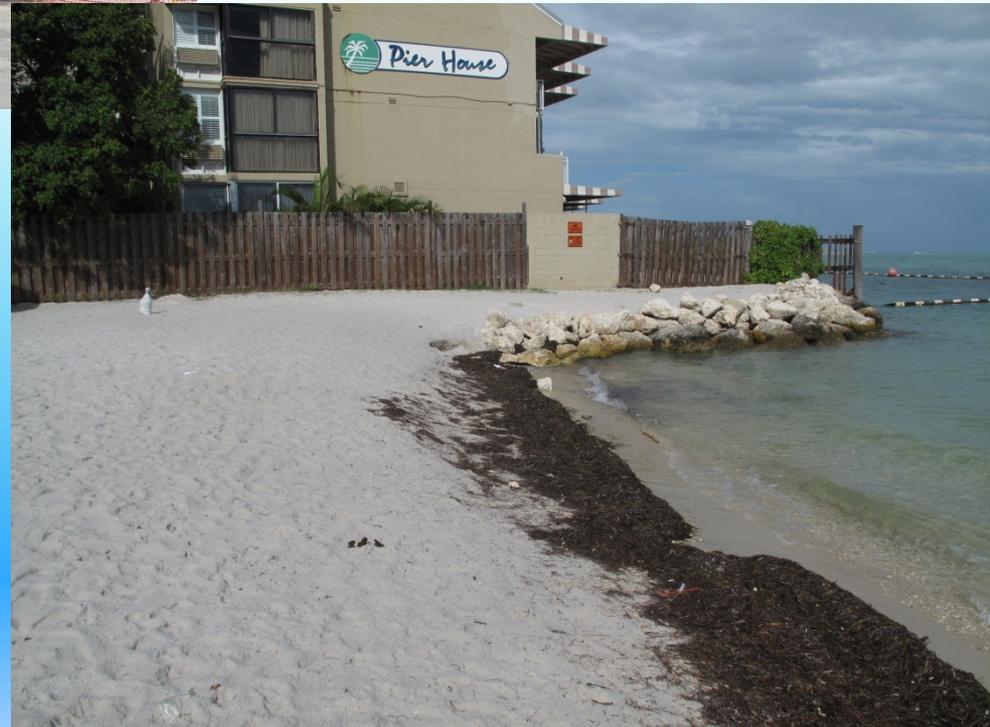
Simonton St. Emergency Outfall



**Stormwater
Pump Station**

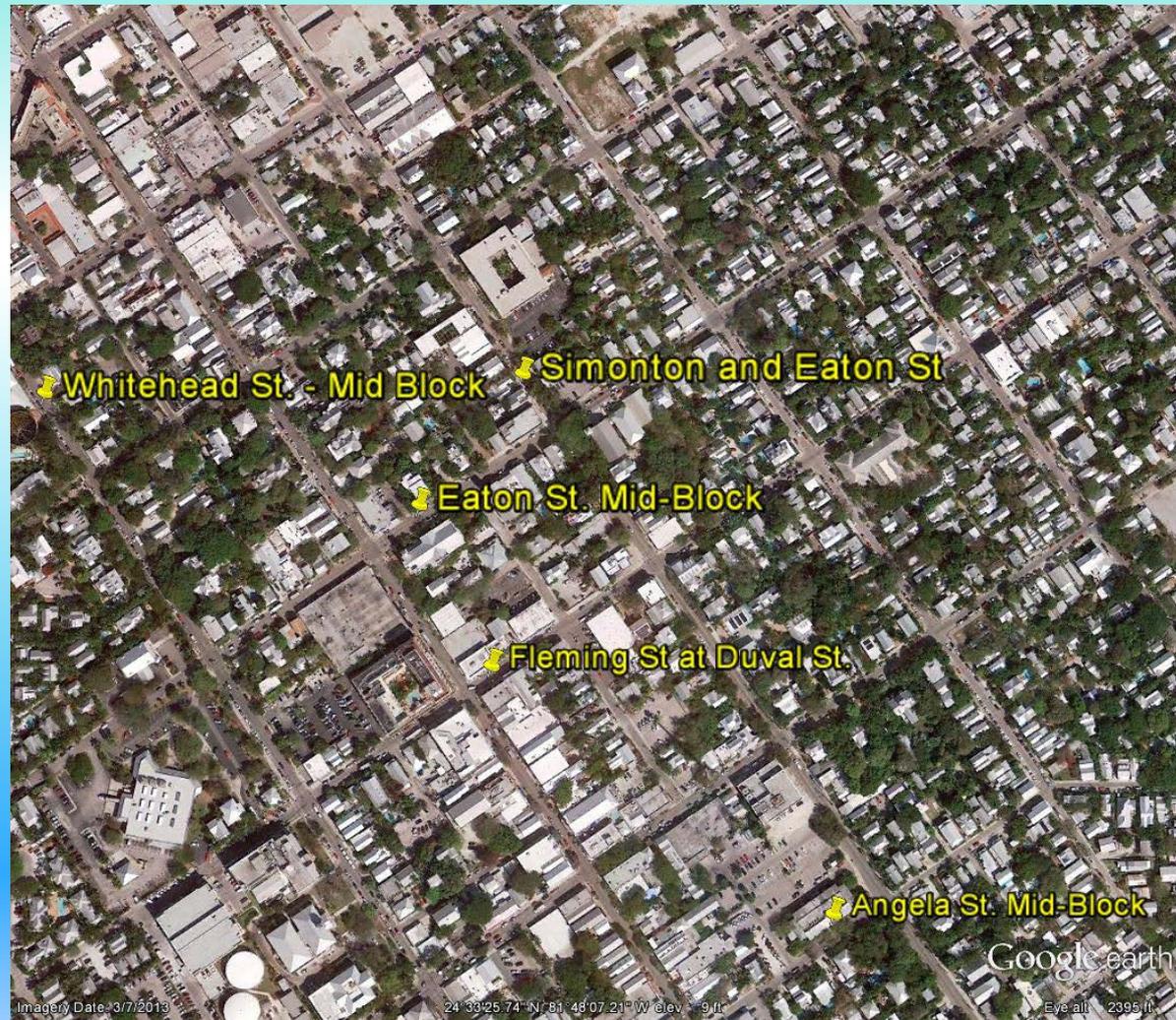


**Location of Outfall
– Middle of Rock
Jetty**



Five New Stormwater Gravity Wells

- **Simonton St. at Eaton St.**
- **Duval St. at Eaton St.**
- **Angela St. between Simonton and Duval**
- **Whitehead St. between Caroline and Greene**
- **Fleming St. at Duval/Bahama St.**



Gravity Wells....

- Intercept stormwater before it enters the low elevation Front St. basin
- Re-directs flow away from Duval St. Outfall Line
- Include sidewalk improvements to gain compliance with Americans with Disabilities Act standards.



New Storm Inlets – Old Vs. New



Old Style – Smaller Inlet



Old Style – Newer Inlet

Duval Street Storm Inlets

- Larger inlets will divert more stormwater into underground Duval Street drainage system
- This will lessen amount of water rushing downhill into Front St. basin on the street
- A total of 31 inlets will be upsized on Duval St.





Schedule

- Project will not begin until after tourist “season”
- 290 Project Days for completion of all portions of construction.
- Individual sections of the project will be much shorter in duration
- Contractor will propose schedule once they are selected.
- City Staff will meet with residents and businesses at specific locations impacted.
- E-mail updates from the City are available for those individuals interested.
- City construction inspectors will be on-site to answer questions and resolve neighborhood concerns.

Questions?



Contact Info:

Jay Gewin, Utilities Manager

809-3902

jgewin@keywestcity.com