

# Park View Canal



MIAMI BEACH  
RISING  
ABOVE

# City Update

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# MIAMI BEACH

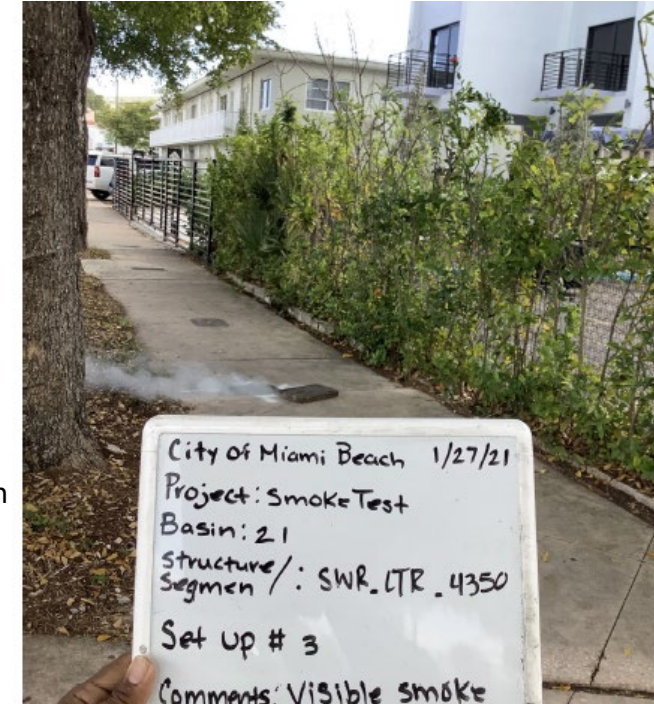


# Past Work by City - Public Works



## Extensive Investigation starting in 2020

- Dye testing of sanitary gravity system, looking for interconnections with storm sewer
- Extensive sampling, and hot-spot analysis (inconclusive)
- Night flow isolation, camera inspections, manhole inspections, and smoke testing
  - Notices of all 2021 smoke testing deficiencies found in private property ( broken cleanout, missing cleanout caps, broken laterals) are now being mailed out by DERM to advise the owners for repairs.
- Abandoned force main confirmation
- Extensive system cleaning



## Infrastructure Repairs

- Public Works crews executed critical repairs where deficiencies were identified
  - 150 ft of 8-inch replaced in 2022

# Past Work by City - Public Works (continued)

## Sanitation Enhancements

- Added rain domes to the public trash bins to minimize leakage
- Increased the frequency of hand crew cleanings from once a week to twice a week. *These crews clean debris from sidewalks, gutters, and the right of way.*
- Increased the frequency of mechanical street sweeping on Parkview Island to twice per week.
- Increased the cleaning of public litter cans to twice a day from once a day (7 days a week).

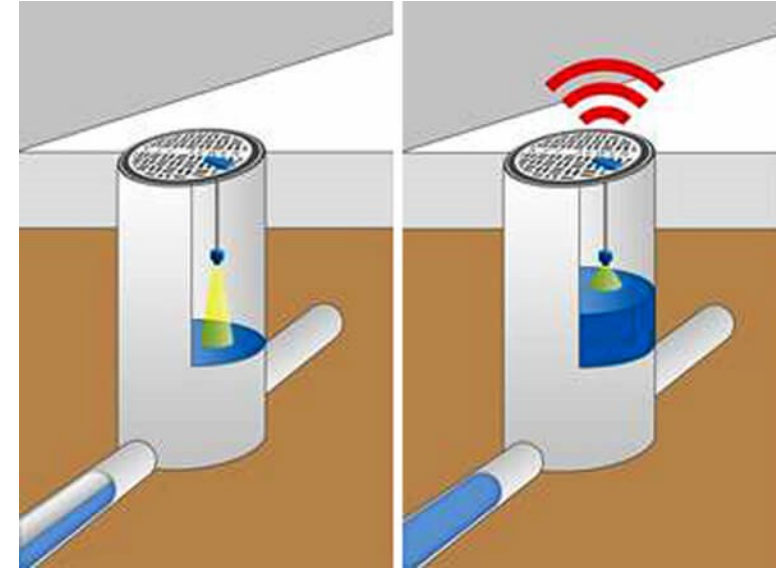




# Planned and Proposed Future Work

## Short-Term

- Coordinating with DERM for installation of sanitary sewer manhole Smart Covers (minimize likelihood of 1/19/23 SSO)
- Gravity sewer trenchless rehabilitation at Parkview Island (lining about 90% of pipes and 30% of manholes)
- Sanitary sewer PS 23 Maintenance
- 18 ARV replacements along Sewer PS 23 and PS 24
- Sanitary sewer PS 19 discharge force main replacement
- Additional testing: dye test of sanitary sewer pressure pipes



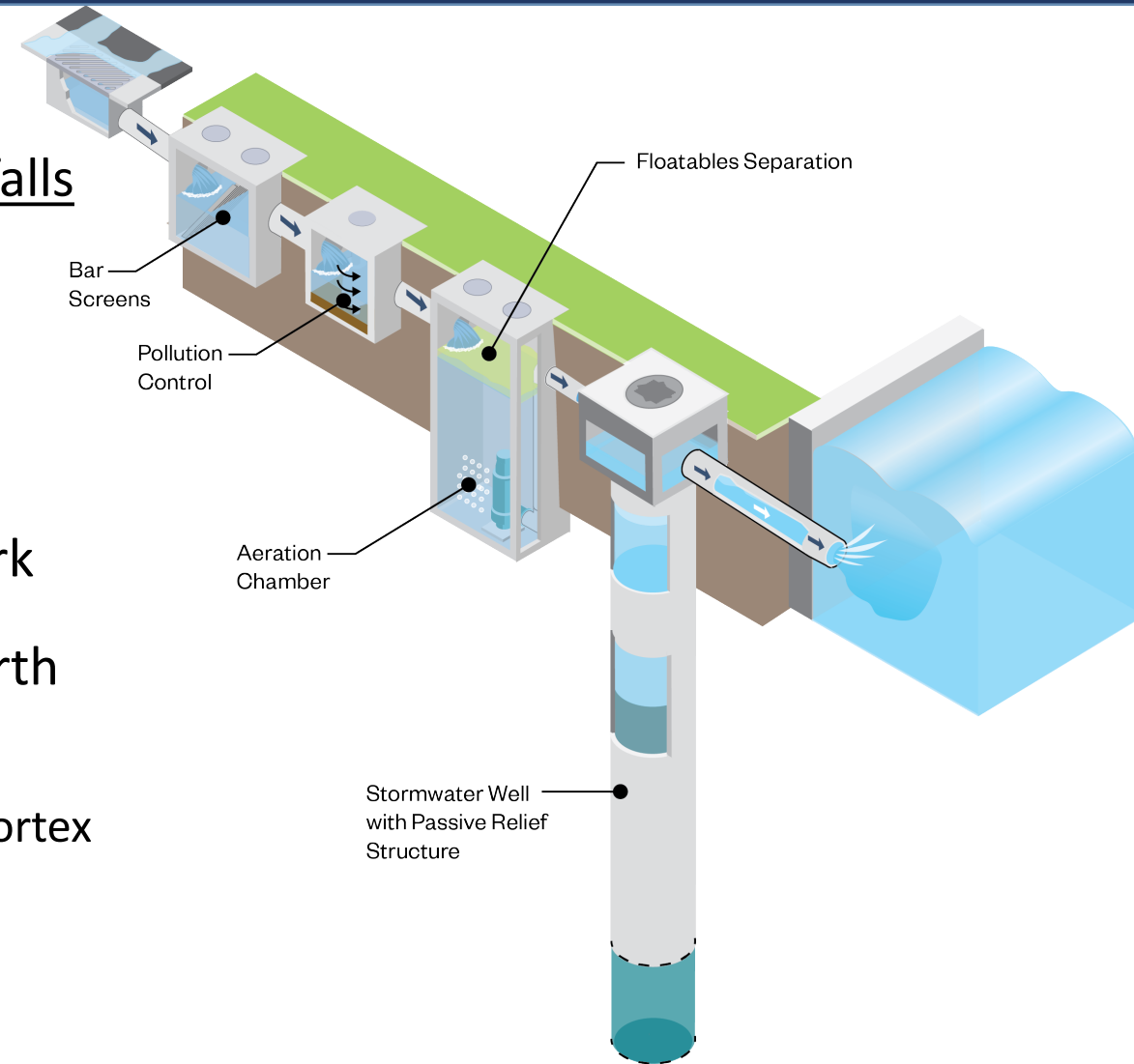
# Planned and Proposed Future Work (continued)

## Mid-Term: 1-3 years

- Budget requested to design and construct water quality systems for existing major stormwater outfalls
- Trenchless rehabilitation of gravity sanitary sewer beyond Parkview Island

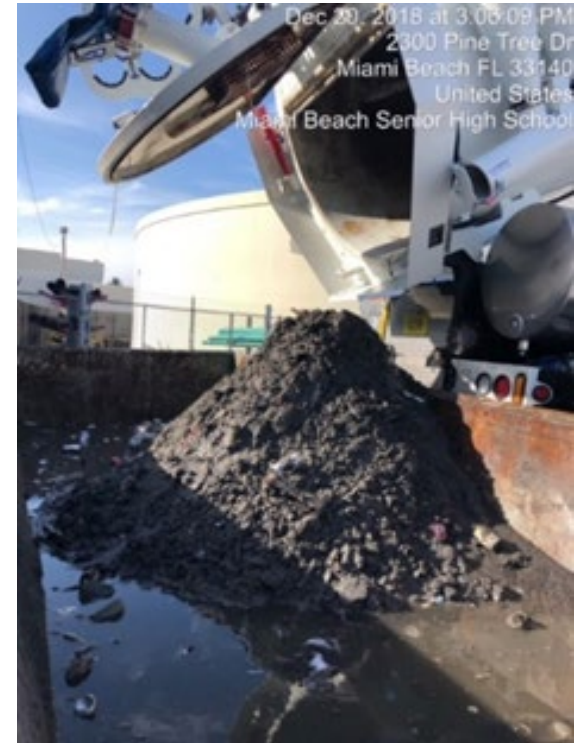
## Long-Term: 3+ years

- Applied to multiple grants, including one for living shoreline improvements at the Parkview Island Park area.
- \$10 M grant agreement executed for design of North Shore D improvements:
  - New stormwater conveyance,
  - New water quality treatment (including trash racks, vortex separator, and injection wells to capture 1<sup>st</sup> flush)
  - New pump station and outfall



# Citywide Stormwater Cleaning for Litter, Debris, and Sediment

- ✓ More than 300 tons of debris captured annually



- ✓ Entire system is cleaned yearly & high priority areas are cleaned more frequently – More than 5 times what is required by NPDES



# Above-ground Walk-Throughs

**Departments: Environment & Sustainability, Public Works (Infrastructure, Engineering, and Sanitation Divisions), Communications, Code Compliance, Homeless Outreach & Police Department**

- Homeless individuals in Parkview Park and under the 73rd Street bridge.
- Continued outreach- began the relocation process and provided them with assistance.
- Dead chickens under the kayak launch were removed.
- A wildlife feeding area sign was removed.
- Changed the open-top bins to covered bins to prevent overflow or seepage.
- A restaurant with an overflowing dumpster near inlets and catch basins was cited.



# Improvements to Area

- Daily Code Compliance details.
- New fertilizer signs to educate community gardeners.
- Dog park with a vegetative berm to filter run-off and future Park Ranger surveillance.
- Increased public litter can collection to twice per day.
- Increased Sanitation hand crew cleanings to twice per week.





# Next Steps

- Public comment period for the University of Miami draft report open through February 23, 2023.
  - Email to [MBRisingAbove@miamibeachfl.gov](mailto:MBRisingAbove@miamibeachfl.gov)
- Finalize the Action Plan to incorporate recommendations by Dr. Solo-Gabriele and the University of Miami Team.
- Identify funding, including grants, for further improvements to the area