CCNA – Stormwater Committee Initial Monthly Report

- 1. Drainage Maintenance Dredging
- 2. Identification of flooding problem areas
- 3. Code requirements for Lot Drainage

City Projects proposed and submitted to the County for inclusion in Resilient SRQ Round 2

DREDGING PROJECTS

Priority Pro	ject	CDBG-DR Request	Total Cost	Key Benefit Highlights
1 Hu	dson Bayou Dredging	\$13.7 M	\$15 M	Restores 100-yr LOS; eliminates flooding for ≈ 150 homes
2 Wh	itaker Bayou Dredging	\$10 M	\$20 M	Protects ≈ 210 homes; USACE §219 match; ends 8-hr road closures

INFRASTRUCTURE PROJECTS

Priority	Project	CDBG-DR Request	Total Cost	Key Benefit Highlights
1	St. Armands Resiliency & Flood Mitigation City & Town of Longboat Key co-sponsored	\$24.5 M	\$25 M	Keeps SR 789 evacuation route open; shields ≈ 120 buildings
2	Whitaker Bayou Resiliency & SW Mitigation	\$15.9 M	\$15.9 M	Removes ≈ 50 structures from 100-yr floodplain; upgrades \approx 1,500 LF roadway
3	Sarasota Stormwater Resiliency Initiative	\$6.7 M	\$6.7 M	Addresses ≈ 5,500 LF chronic roadway flooding; reduces risk to 40+ homes

Dredging Projects proposed and submitted to the County for inclusion in Resilient SRQ Round 2

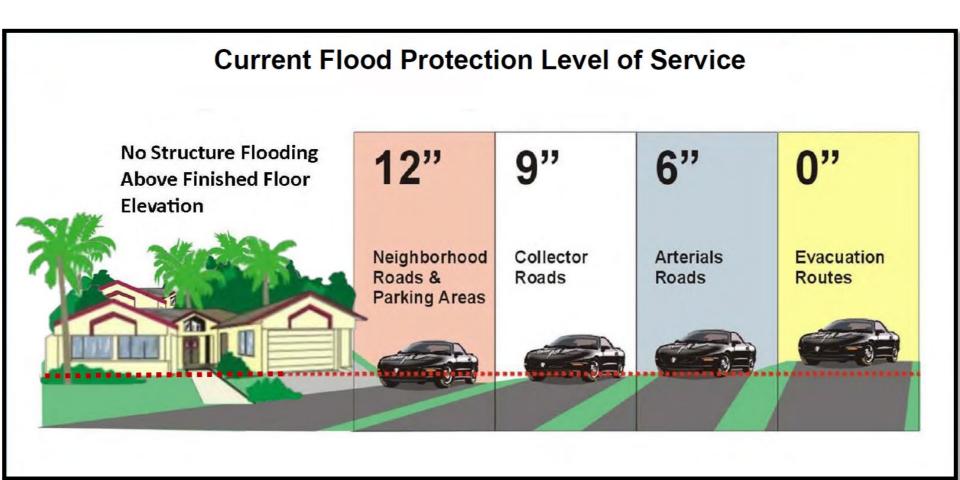
HUDSON BAYOU DREDGING FUNDING STRATEGY

Source	Amount	% of Total	Notes
City of Sarasota & Surtax Funds (Local)	\$1,300,000	8.7%	Covers design, permitting, and provides CDBG-DR leverage
Resilient SRQ – Round 2 (CDBG-DR)	\$ 13,700,000	91.3%	Funds dredging, disposal, stabilization, and monitoring
Total Project Cost	\$ 15,000,000	100%	Fully funded upon SRQ award approval

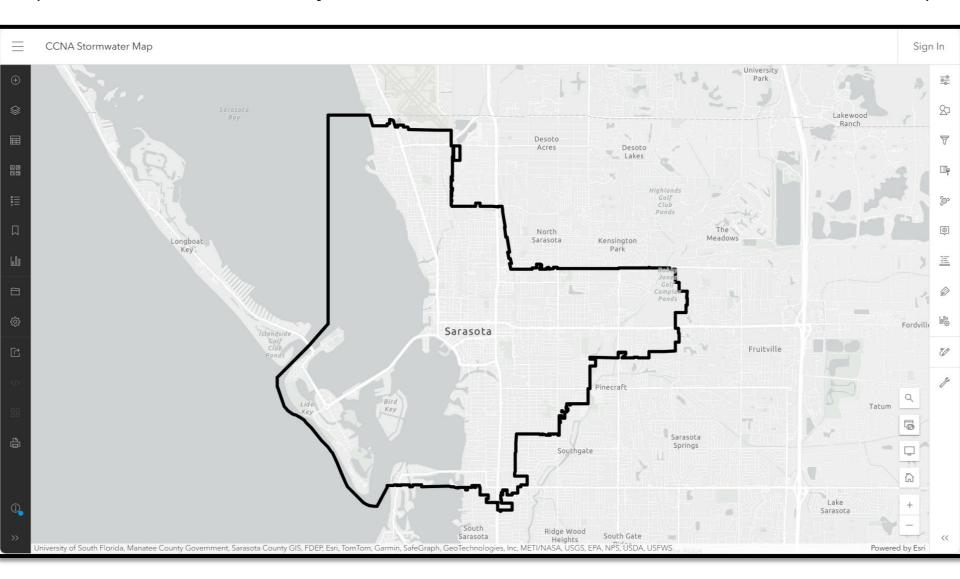
WHITAKER BAYOU DREDGING FUNDING STRATEGY

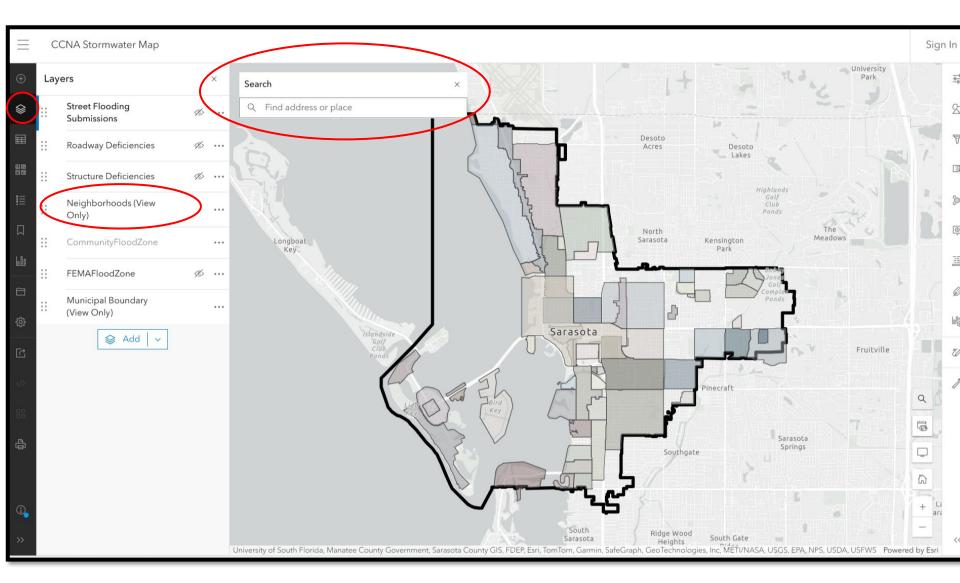
Source	Amount	% of Total	Notes
FY 2026 Section 219 Environmental Infrastructure	\$ 9,999,000	49.9 %	USACE: design review & construction oversight – City Secured through Federal appropriations.
Resilient SRQ – Round 2 (CDBG-DR)	\$ 10,001,000	50.1 %	Completes dredging, disposal & compliance
Total Project Cost	\$ 20,000,000	100 %	No local cash match (City/County in-kind)

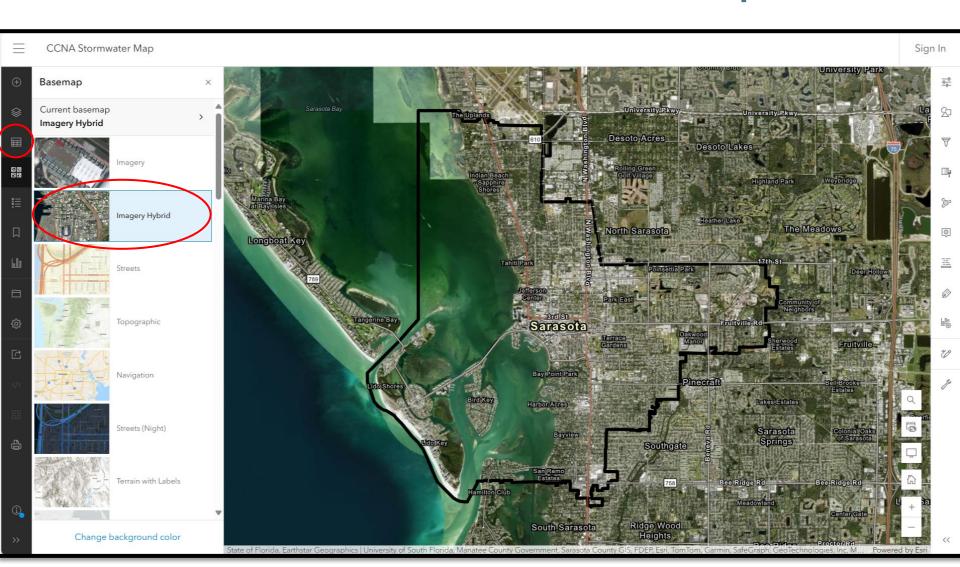
Flood Protection Level of Service

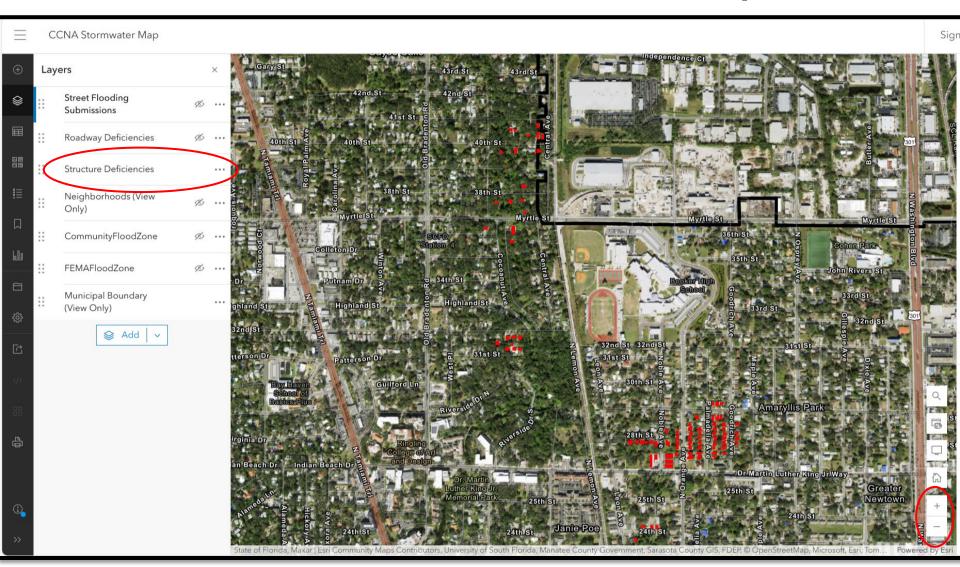


(Thanks to Sarasota County SEU, Nikesh Patel, Andrew Neuhaus, and Will Rockwell)

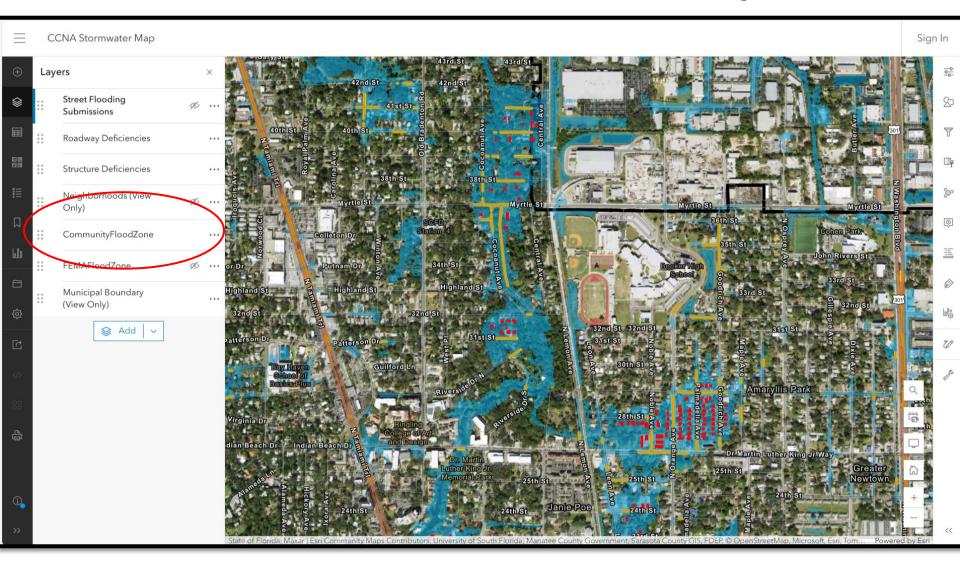


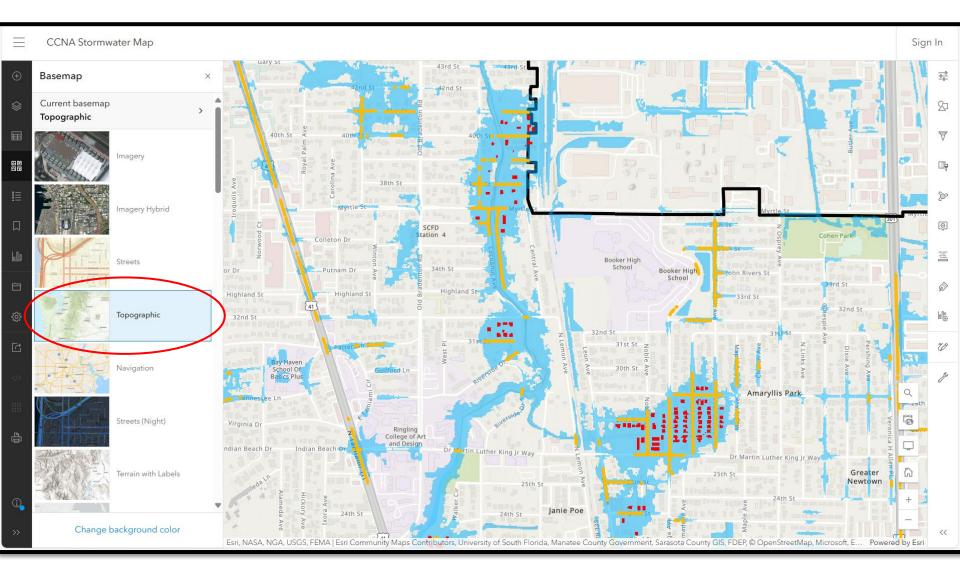


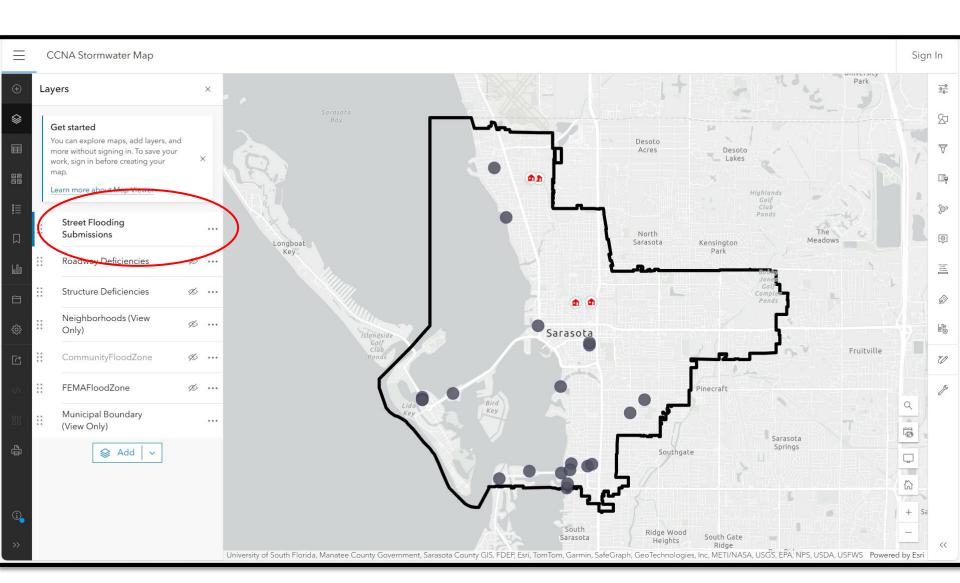














Easier Fixes Stormwater System Maintenance



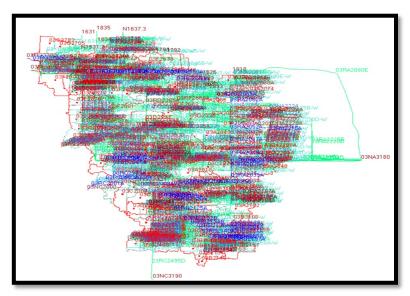


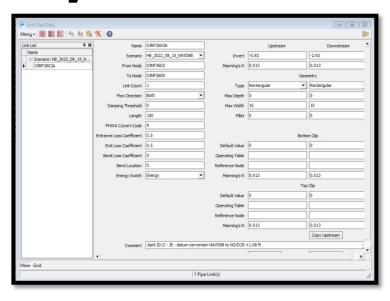


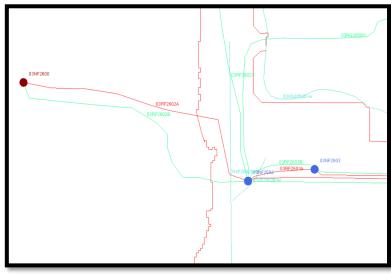


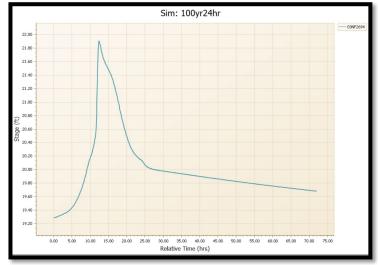


Harder Fix Sarasota County Watershed Model Hudson Bayou











Lot Drainage Existing Zoning Code: SEC VI-102.(u)(4):

Drainage plan.

Purpose: The alteration of land elevation that often accompanies the construction of single-family dwellings, building additions, swimming pools or spas often alters the historic drainage pattern from a parcel of land to the detriment of adjoining properties. The health, safety and welfare of the citizens of the city are promoted by requiring new residential construction to direct attendant stormwater drainage into public or private facilities rather than on to the land of adjoining properties.

Drainage plan: The owner/applicant for a building permit to construct a new single-family dwelling or substantial improvements to a single-family dwelling shall submit to the director of neighborhood and development services a stormwater drainage management plan showing drainage from the site discharging to either: on-site retention; or swales directed to adjacent public or private stormwater receptors; or a combination thereof. The director of neighborhood and development services may require, upon receiving the recommendation of the building official, a drainage plan prepared and sealed by a professional engineer meeting the requirements of this section. The site must be built to conform to the submitted drainage plan. Such plan shall not be required for individual single-family dwellings when a master drainage plan for the development of which the single-family dwelling is a part has been submitted and approved.



Lot Drainage Solutions For Zoning Districts RTD-9 and RSM-9:

Existing Zoning Code: SEC VI-203.(i)(2)(g):

Where it is necessary to elevate a new building above grade, fill may not be used to elevate the lot above the grade of any adjacent lot. In such cases where the new building is elevated, a stem wall foundation (with or without a crawl space) shall be used. If there are opening beneath the structure the opening shall be screened with materials consistent with the design of the building.



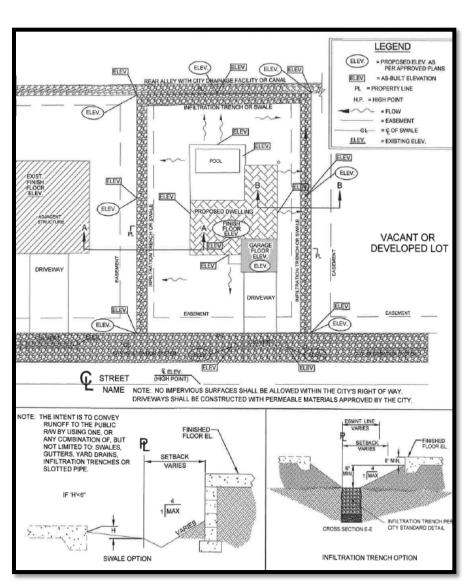
Lot Drainage Solutions City of Holmes Beach Standards

CITY OF HOLMES BEACH

PUBLIC WORKS STANDARD DETAILS MANUAL



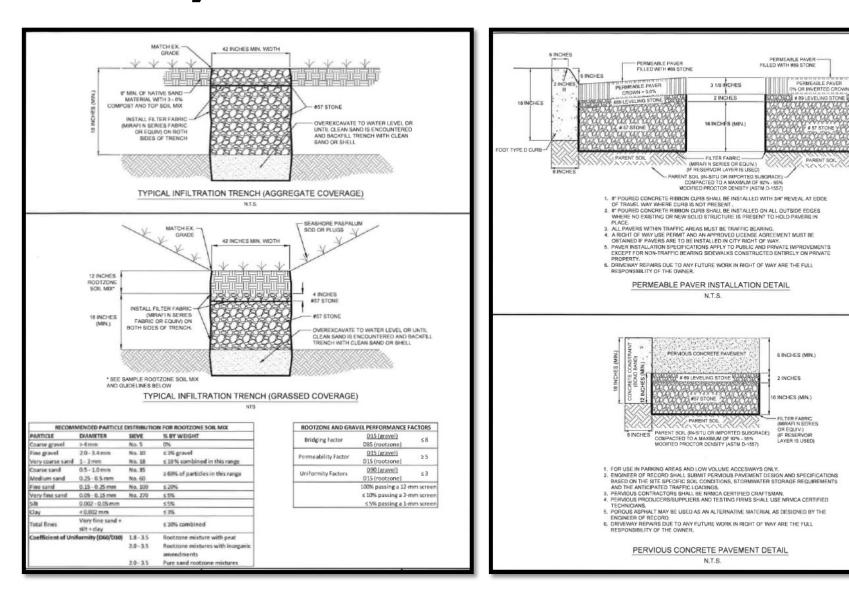
NOVEMBER 15, 2016 Revised: May 2023





Lot Drainage Solutions City of Holmes Beach Standards

18 INCHES





Lot Drainage Solutions



Applications accepted annually from Oct. 1 through June 1.



https://www.scgov.net/government/stormwater/raincheck

Tool or BMP	Rebate Amounts
Treatment swales (bioswales)	Up to \$500
Rain gardens	Up to \$500
Modified downspout	Up to \$50
Downspout planter(s)	Up to \$1,000
Proposed alternative BMP	Up to \$5,000
Impervious replacement (driveways, sidewalks, etc.)	\$5 per square foot up to \$5,000



Lot Drainage Solutions

- 1. Better administer existing Lot Drainage Zoning Code Sec VI-102.(u)(4)
- 2. Expand applicability of Zoning Code Sec VI-203.(i)(2)(g)
- 3. Incorporate and utilize successfully proven lot standards from other coastal communities like the City of Holmes Beach
- 4. Promote RainCheck Incentive Program