

City of Isle of Palms, SC
Community Enrichment Taskforce

9:00 a.m., April 25, 2024

Agenda

1. Welcome – David McNair
2. Staff Presentation on city efforts related to stormwater management and environmental issues
– Douglas Kerr
3. Group discussion and development of recommendations
4. Next steps
5. Adjournment

Recent Stormwater Efforts

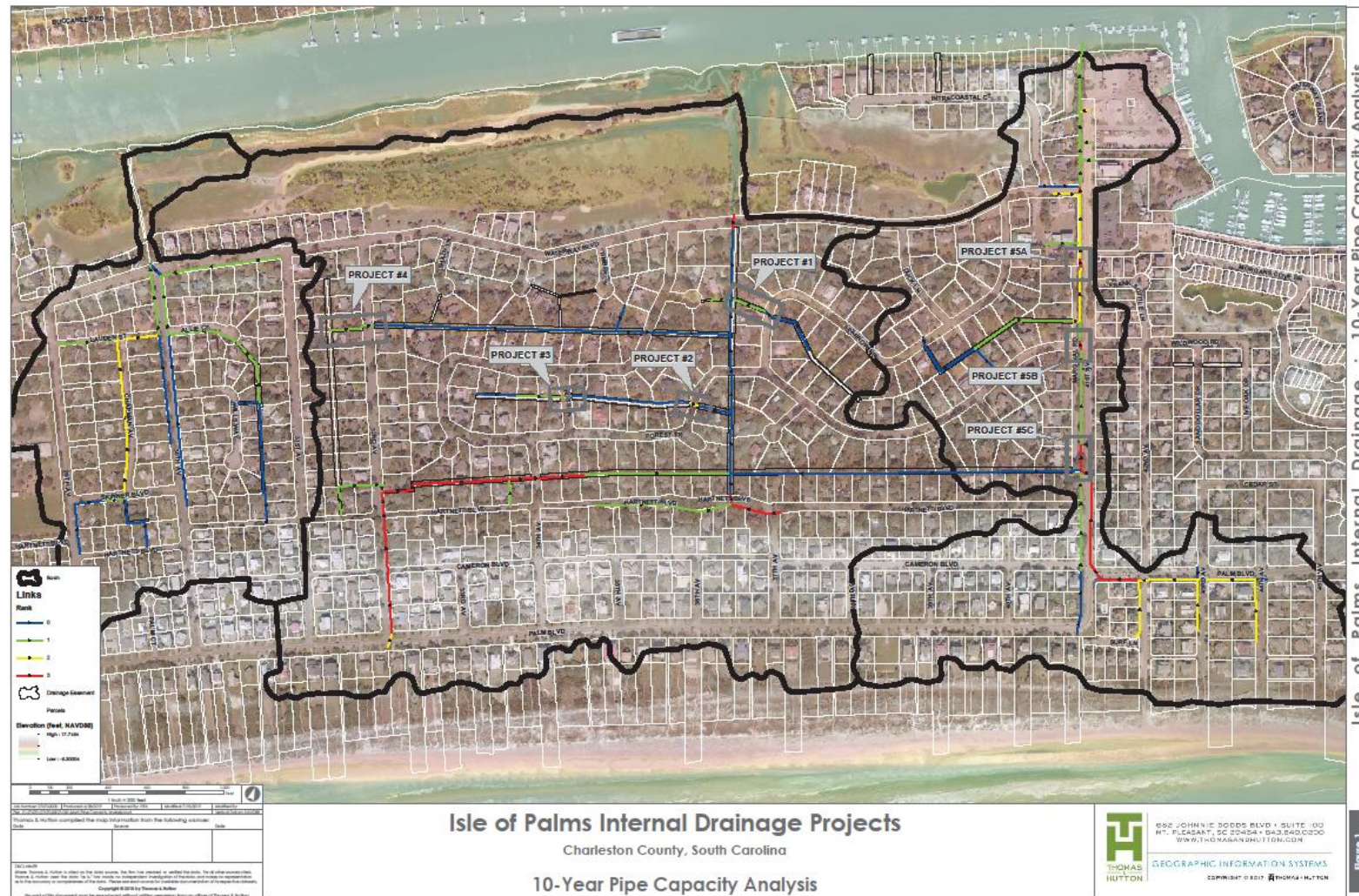
Outfall improvement projects

Drainage masterplan

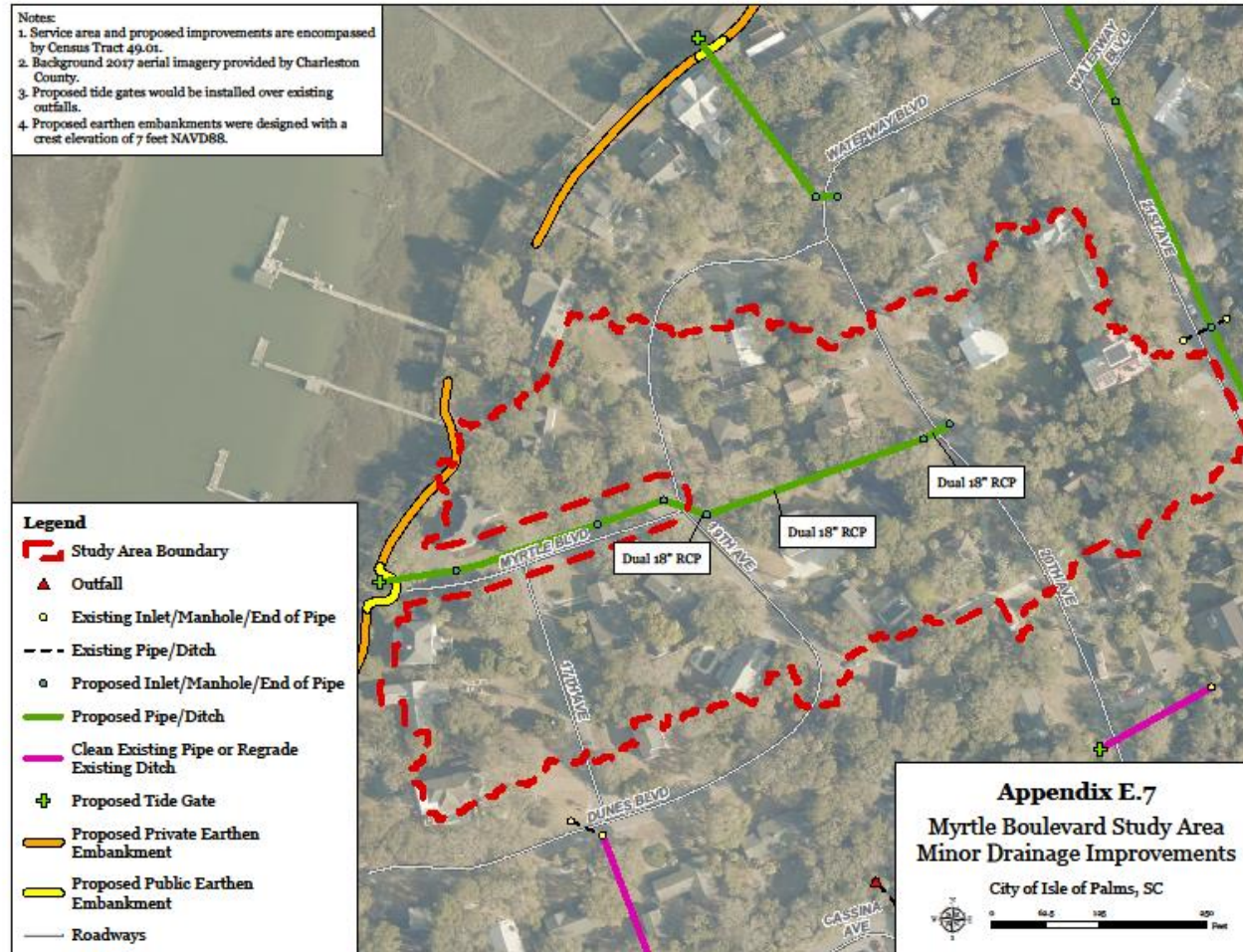
Expanding in-house
capabilities

Development regulation
updates

Recent Stormwater Projects



Master Plan Identified Projects



Future Stormwater Efforts

Palm Blvd improvements between
38th and 41st

Continue high impact projects
identified in the Drainage Master Plan

Continue expanding in-house
capabilities

Resilience
Efforts

Sea Level Rise
Adaptation Plan

Ongoing beach
renourishment

Waterway Boulevard
path elevation

Sea Level Rise Adaptation Plan

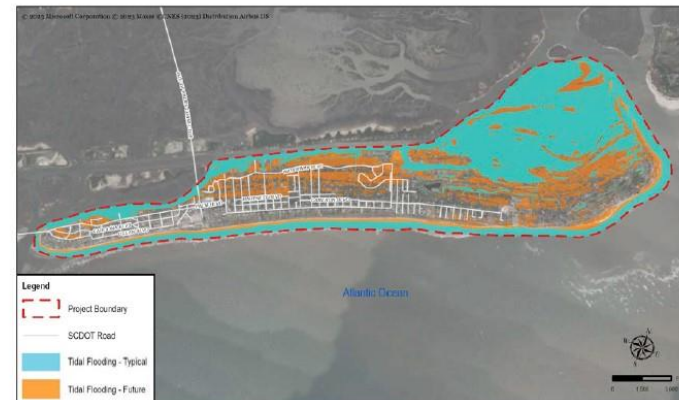


Task 2 – Draft Plan Development Vulnerability Assessment

A vulnerability assessment will be completed based on data gathered during Task 1. The vulnerability assessment will identify both private and public infrastructure (e.g., buildings, road, and property) that could be at risk of flooding sometime in the future. Vulnerability will be assessed over time to better develop goals for addressing future flood conditions and what adaptation measures should be considered.



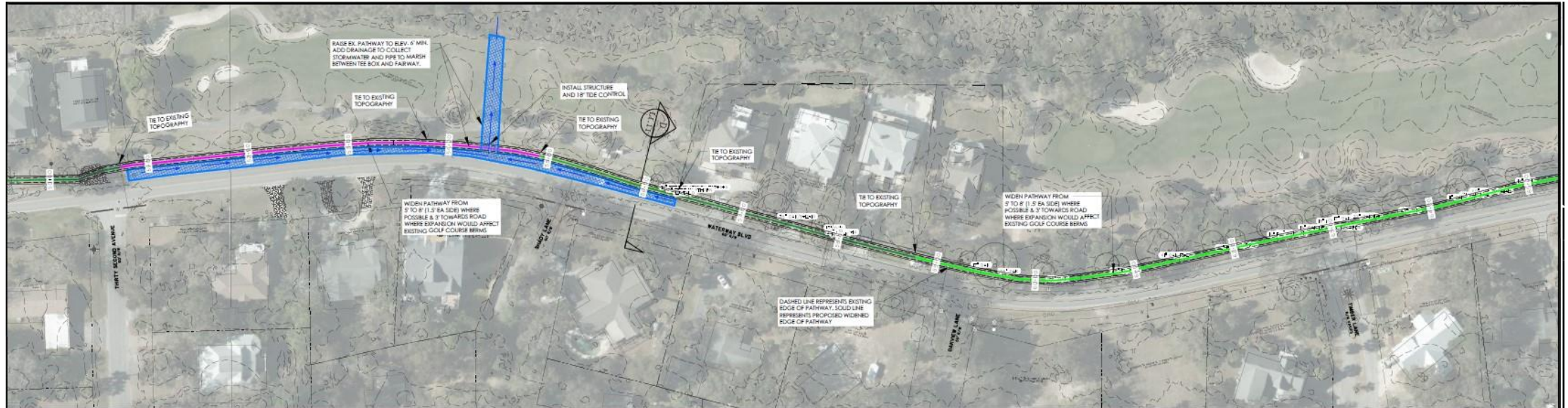
Resilience and adaptation planning iterative process as outlined by NOAA (source: Anna Eshelman, NOAA)



Preliminary flood vulnerability due to intermediate sea level rise projections (3.89 feet) for year 2100.

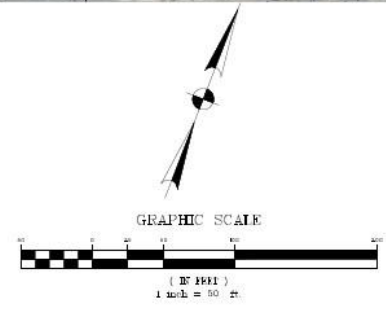
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Waterway Blvd Path Elevation Project



KEY:

- LOCATION OF TABLE TOP CROSSING
- (TYPICAL TREATMENT 'A') AREA WHERE PATHWAY IS TO BE WIDENED 1.5' ON BOTH SIDES AND RAISED TO ELEV. 6 FT (MIN)
- (TYPICAL TREATMENT 'B') AREA WHERE PATHWAY IS TO BE WIDENED 3' TOWARDS ROAD
- (TYPICAL TREATMENT 'C') AREA WHERE PATHWAY IS TO BE WIDENED 3' TOWARDS PROPERTY AND RAISED TO ELEV. 6 FT (MIN)
- (TYPICAL TREATMENT 'D') AREA WHERE PATHWAY IS TO BE WIDENED 1.5' ON BOTH SIDES AND RAISED TO ELEV. 6 FT (MIN)
- PROPOSED DRAINAGE IMPROVEMENTS
- (TYPICAL TREATMENT 'A') AREA WHERE PATHWAY IS TO BE WIDENED 1.5' ON BOTH SIDES.



Environmental Efforts

Formation of Environmental
Advisory Committee

Glass recycling program

Food composting program

Native garden classes and
demonstration garden