



**CITY OF SOUTHPORT
BOARD OF ALDERMEN
REGULAR MEETING AGENDA**

223 E. BAY STREET

October 7, 2024

9:00 AM

Agenda

Please turn off all cell phones

If you are not able to attend the Board of Aldermen meetings in person, the meeting will be available for you to watch via live-stream on the City of Southport website (<https://cityofsouthport.com/board-of-aldermen-meetings/>), Facebook page, and YouTube channel.

ETHICS STATEMENT:

"If any members know of any conflict of interest or the appearance of a conflict of interest concerning matters on the agenda, please so state at this time."

A. Call to Order

B. Invocation

C. Pledge of Allegiance

D. Public Comment

E. Approval of Agenda

F. Agenda

1. Follow-Up Discussion on RPO projects, process and timetable (Maureen Meehan)
2. Update on the Shoreline Stabilization Project (Bob Jarvis) pgs. 2-10
3. Stormwater Discussion (Tom Zilinek)
4. Update on FEMA and possible assistance related to Potential Tropical Cyclone #8 (Stuart Turille and Brian Kolhoff)
5. Electric Vehicle Charging Station Proposal (Energy Manager Larry Ditton) pgs. 11-19
6. North Carolina Eastern Municipal Power Agency (NCEMPA) Board of Commissioners (BOC) Appointments (Energy Manager Larry Ditton & City Clerk Noah Saldo) pgs. 20-22

G. Manager's Report

H. Mayor's Comments

I. Board Comments

J. Closed Session NCGS 143-318.11

1. (5) To establish, or to instruct the public body's staff or negotiating agents concerning the position to be taken by or on behalf of the public body in negotiating (i) the price and other material terms of a contract or proposed contract for the acquisition of real property by purchase, option, exchange, or lease; or (ii) the amount of compensation and other material terms of an employment contract or proposed employment contract.

K. Adjourn

DATE: October 7, 2024

DEPARTMENT: City Manager

PRESENTED BY: Bob Jarvis, City Engineer

ITEM SPONSORED BY: City Manager

ITEM/TOPIC: Shoreline Stabilization

JUSTIFICATION: The Southport/Cape Fear River shorefront beach is experiencing ongoing and increasing erosion due to the long-term effects of storm related wind waves, waves generated from both recreational boat and commercial boat and ship traffic, and the effects of the ongoing increase in average water level. To date, mostly limited, localized shore protection projects have been implemented, in an attempt to protect upland development and infrastructure situated along the shorefront from coastal flooding and wave impacts. The City is moving forward with the preparation of design and permitting documents for the comprehensive restoration and stabilization project along the Cape Fear River shoreline in Southport.

Our consultants Foth/Olsen Associates, and Davey Resource Group, have prepared plans and supporting documentation for the environmental permitting phase of the project. The plans reflect permitting of Phases 1 thru 3, per the Board's previous direction. Phase 1 is the construction of offshore breakwaters and the installation of sand fill to supplement the current beaches within Phase 1. Phases 2 and 3 will consist of the installation and supplementation of rock revetment to the east and west of the City Pier. The permit documents have been submitted to the DCM and in turn to the various agencies reviewing those documents.

We expect the need for easements, to construct and maintain the proposed improvements, from 6 property owners affected by the project. These easements will be necessary along Phase 1 of the work. Phases 2 and 3 will impact areas in direct proximity to current revetments and will not require easements. Correspondences were sent to the affected property owners, accompanied by plans showing the extent of the work expected on each property. Discussions with the property owners are ongoing. The response from the property owners has been supportive and positive. The city attorney is drawing up draft easement documents for property owner review and subsequent execution.

Funding for the project was provided through a \$5M grant from the State Emergency Response and Disaster Relief Fund (SERDRF). The SERDRF grant will expire on June 30, 2026.

IMPACT IF NOT APPROVED: N/A.

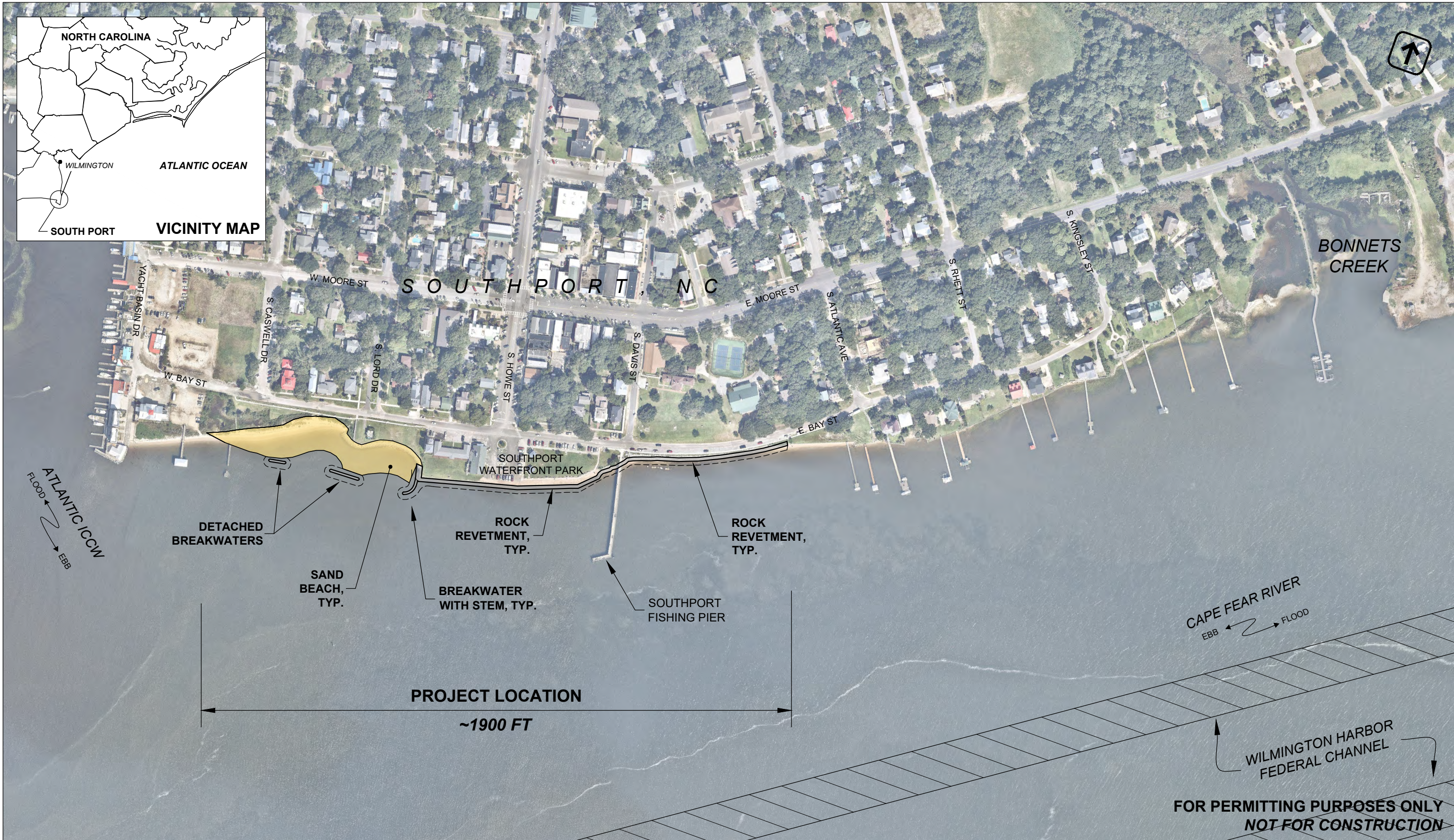
DEPARTMENT HEAD COMMENTS:

CITY MANAGER COMMENTS: This is an important update on the progress as a public/private partnership to protect property and our coast.

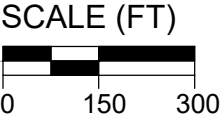
ATTACHMENTS: None.

REQUESTED ACTION: None.

PROPOSED MOTION: None needed at this time.



- NOTES:
1. ELEVATIONS RELATIVE TO NAVD88, UNLESS NOTED OTHERWISE.
 2. BEACH SLOPE IS ASSUMED TO BE 1V:11H WITH UPPER BEACH OF +4 FT, NAVD88
 3. AERIAL IMAGE DATE: SEPT 2017



REVISIONS			
LTR	DESCRIPTION	BY	DATE

DRAFT



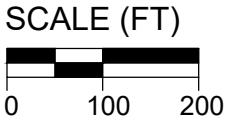
SOUTHPORT, NC SHOREFRONT IMPROVEMENT PLAN	
PROJECT LOCATION	
DRAWN BY: ML	DATE: 09/xx/2024
CHECKED BY: CGC	DATE: 09/xx/2024

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FOR PERMITTING PURPOSES ONLY
NOT FOR CONSTRUCTION

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 - 3. AERIAL IMAGE DATE: JAN 2024.



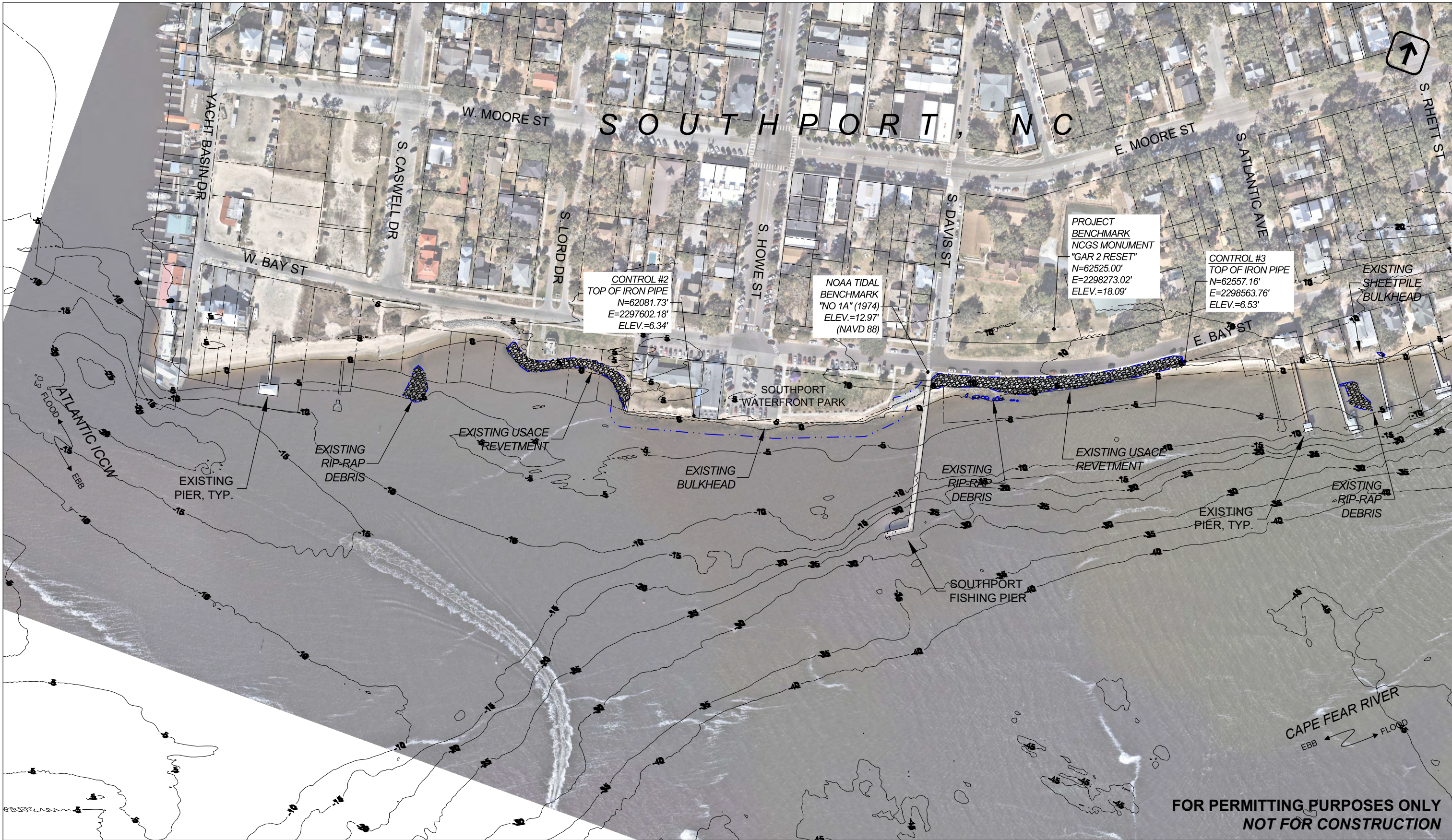
REVISIONS			
LTR	DESCRIPTION	BY	DATE

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SOUTHPORT, NC SHOREFRONT IMPROVEMENT PLAN	
PLAN OF IMPROVEMENT	
DRAWN BY: ML	DATE: 09/xx/2024
CHECKED BY: CGC	DATE: 09/xx/2024

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- NOTES:
1. ELEVATIONS RELATIVE TO NAVD88, UNLESS NOTED OTHERWISE.
 2. AERIAL IMAGE DATE: JAN 2024.
 3. SURVEY DATE: FEB 2023 (MCKIM & CREED)



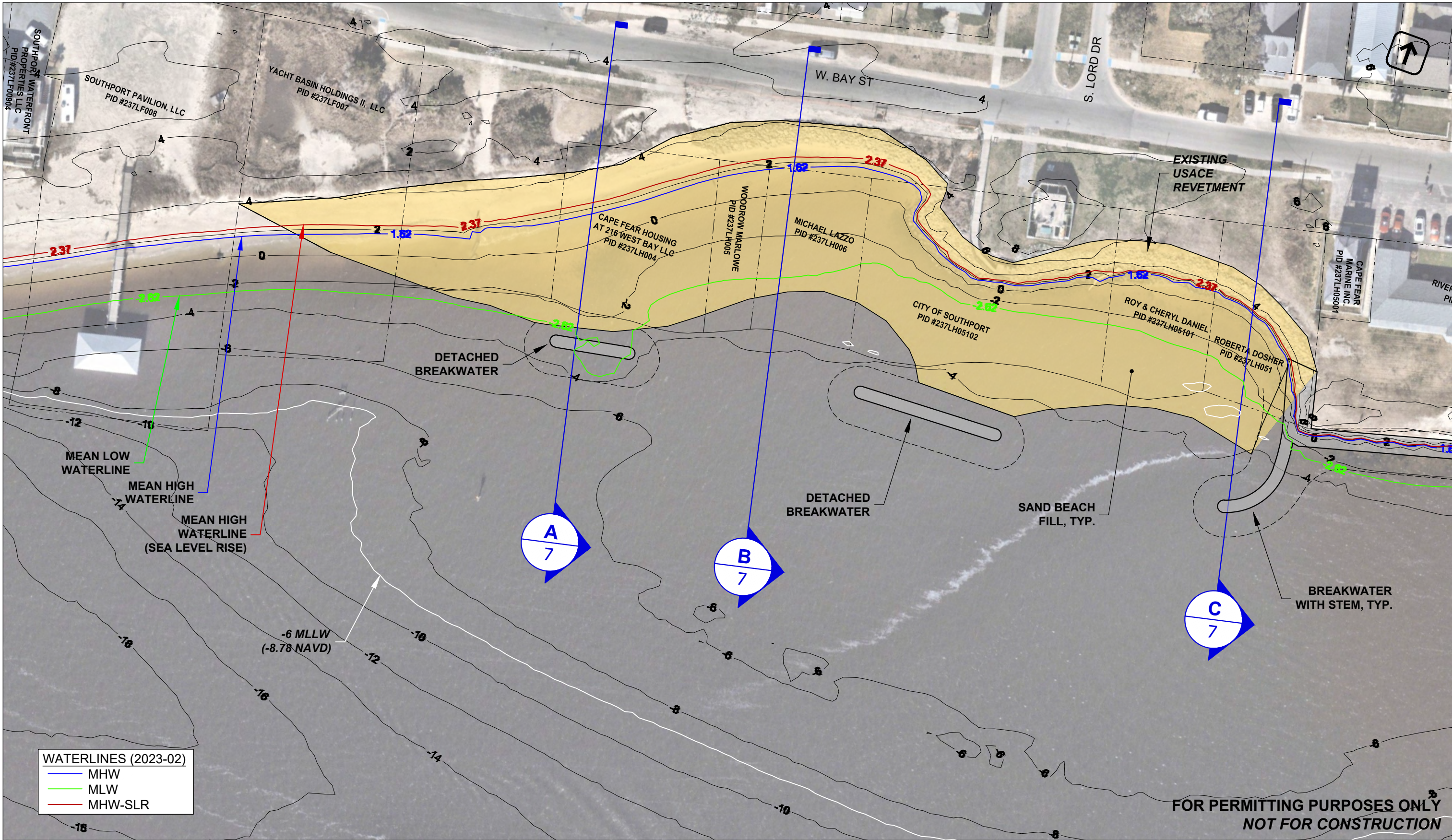
REVISIONS			
LTR	DESCRIPTION	BY	DATE

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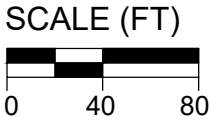
SOUTHPORT, NC SHOREFRONT IMPROVEMENT PLAN	
EXISTING CONDITIONS	
DRAWN BY: ML	DATE: 09/xx/2024
CHECKED BY: CGC	DATE: 09/xx/2024

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WATERLINES (2023-02)	
—	MHW
—	MLW
—	MHW-SLR

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REVISIONS			
LTR	DESCRIPTION	BY	DATE

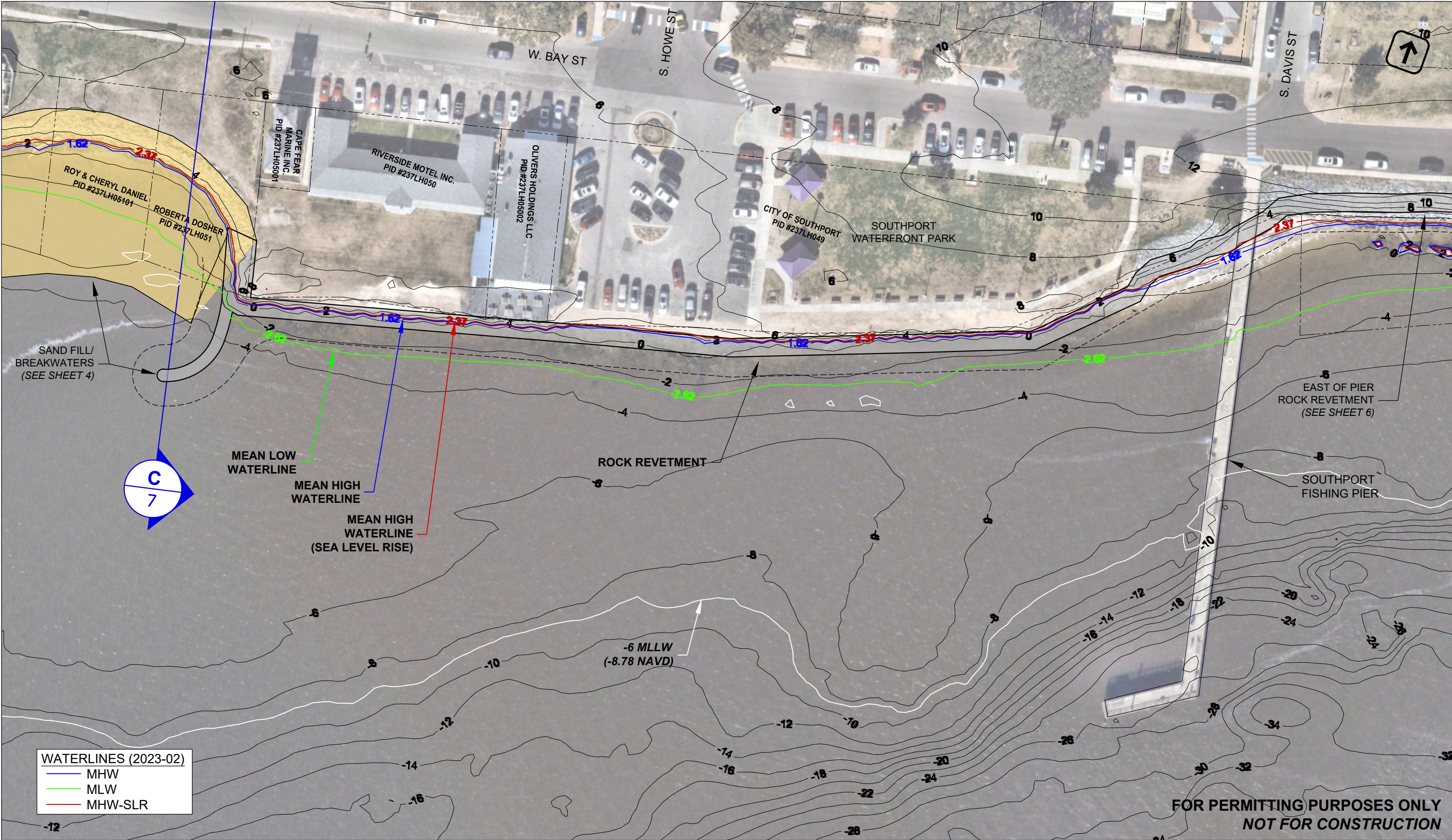
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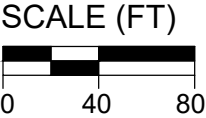
SOUTHPORT, NC SHOREFRONT IMPROVEMENT PLAN	
PLAN - BEACH FILL/BREAKWATERS	
DRAWN BY: ML	DATE: 09/xx/2024
CHECKED BY: CGC	DATE: 09/xx/2024

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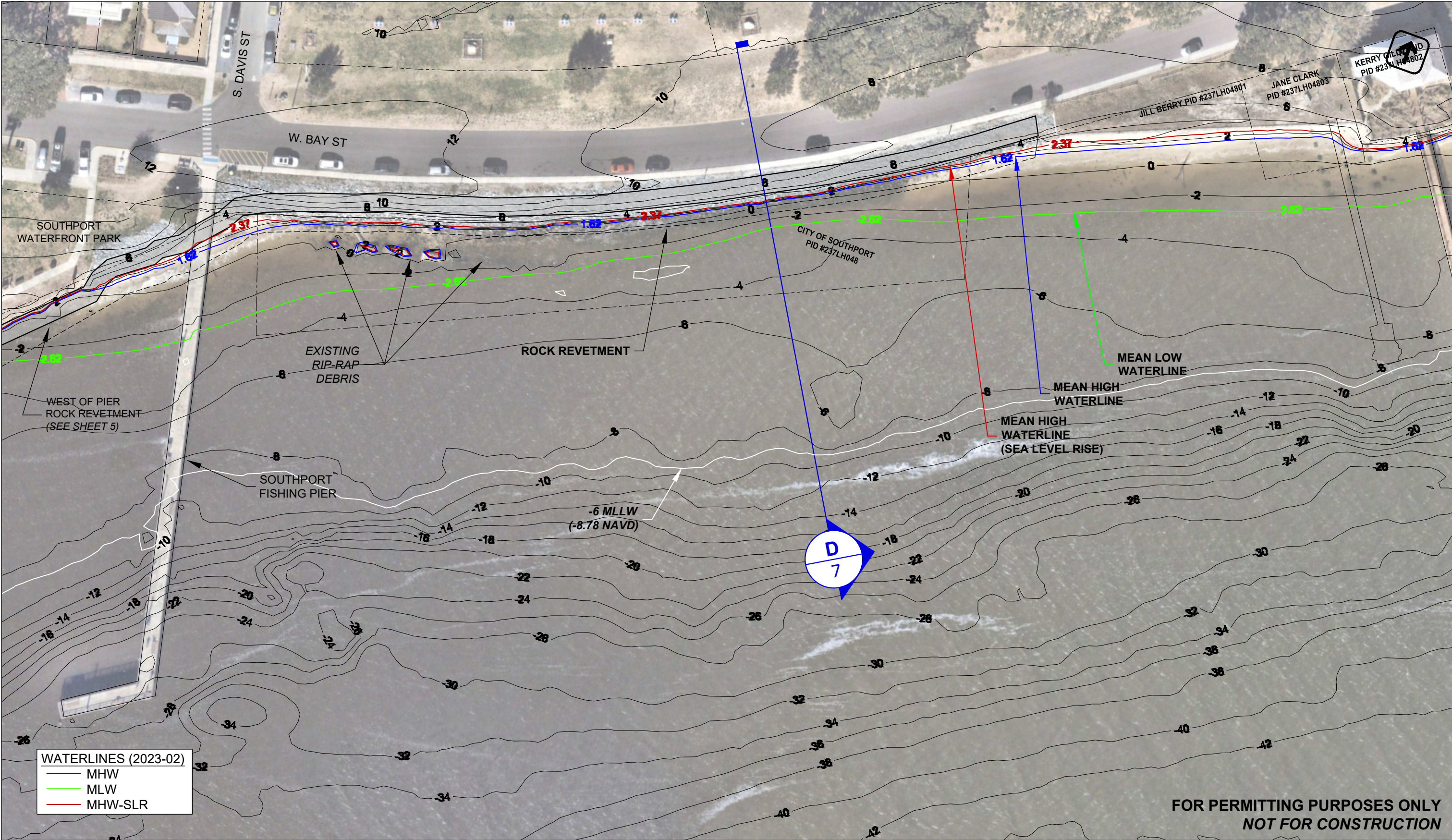
REVISIONS			
LTR	DESCRIPTION	BY	DATE

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SOUTHPORT, NC SHOREFRONT IMPROVEMENT PLAN	
PLAN - WEST REVETMENT	
DRAWN BY: ML	DATE: 09/xx/2024
CHECKED BY: CGC	DATE: 09/xx/2024

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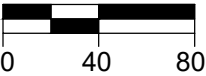


WATERLINES (2023-02)

- MHW
- MLW
- MHW-SLR

- NOTES:
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SCALE (FT)



REVISIONS			
LTR	DESCRIPTION	BY	DATE

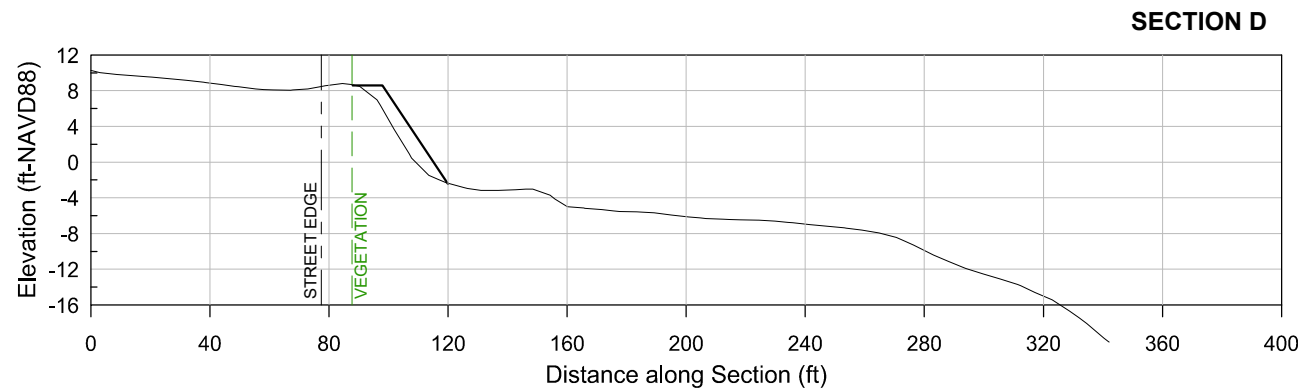
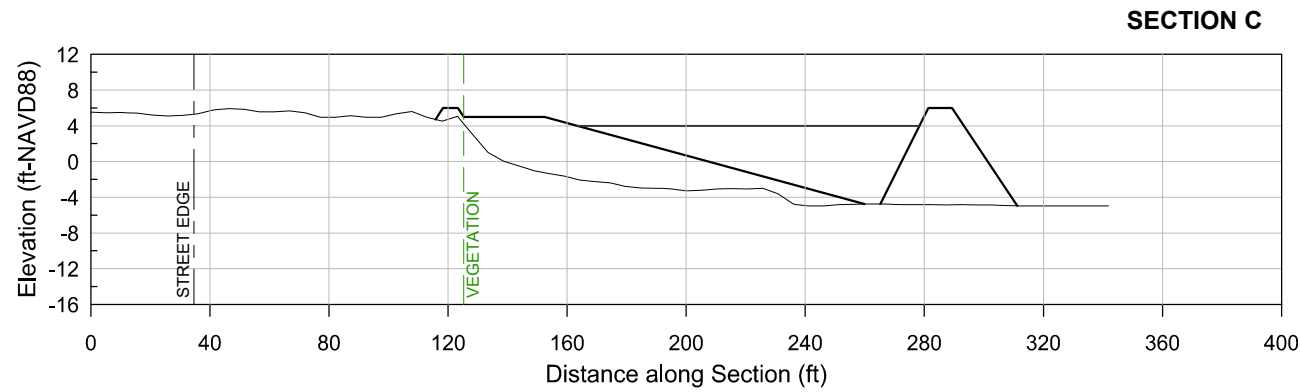
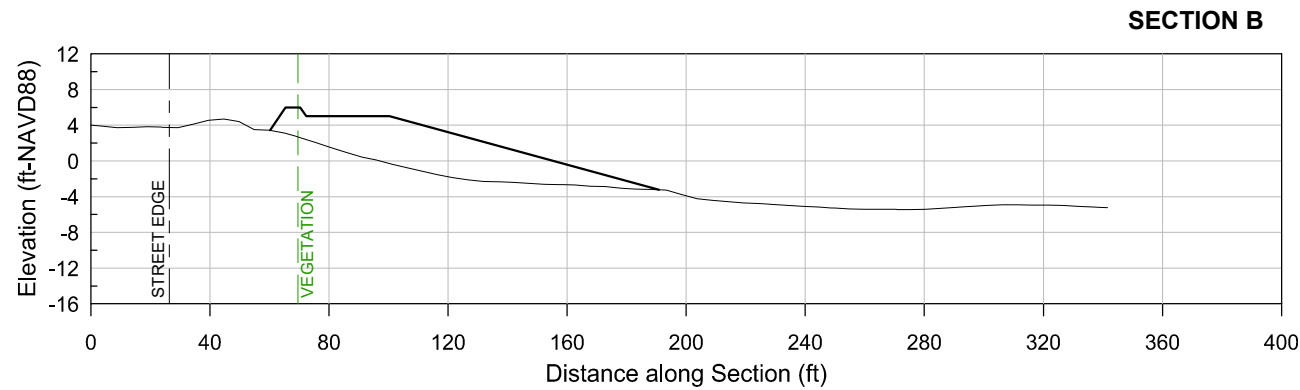
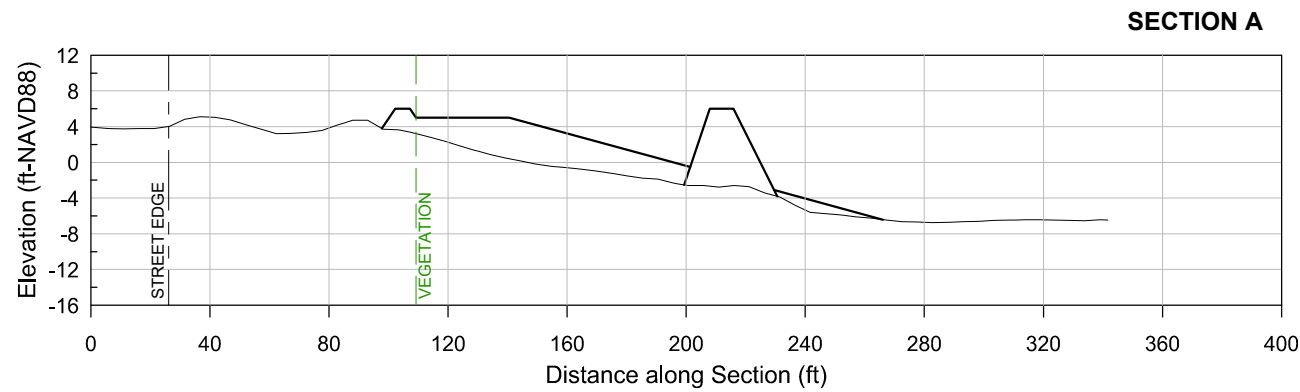
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SOUTHPORT, NC
SHOREFRONT IMPROVEMENT PLAN
PLAN - EAST REVETMENT
DRAWN BY: ML DATE: 09/xx/2024
CHECKED BY: CGC DATE: 09/xx/2024

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REVISIONS			
LTR	DESCRIPTION	BY	DATE



SOUTHPORT, NC SHOREFRONT IMPROVEMENT PLAN	
SECTIONS	
DRAWN BY: ML	DATE: 09/xx/2024
CHECKED BY: CGC	DATE: 09/xx/2024

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SHORELINE PROTECTION PERMITTING PHASE

- **State Review Agencies**

- **Department of Administration, State Property Office**
- **Department of Cultural Resources, Division of Archives and History**
- **Department of Commerce, Division of Community Assistance**
- **Department of Transportation, Division of Highways**
- **Department of Environment and Natural Resources**
- **Division of Environmental Health**
- **Division of Water Quality**
- **Division of Land Resources**
- **Division of Marine Fisheries**
- **Division of Water Resources**
- **Wildlife Resources Commission**

- **Federal Review Agencies**

- **Army Corps of Engineers**
- **Environmental Protection Agency**
- **National Marine Fisheries Service**
- **Fish and Wildlife Service**





BOARD OF ALDERMEN

AGENDA ITEM SUMMARY

DATE: 10/07/2024

DEPARTMENT: Electric

PRESENTED BY: LP Ditton

ITEM SPONSORED BY: Electric Division

ITEM/TOPIC: Electric Vehicle (EV) Charging Station Installation – Approval of recommended location

COST: See attachment for cost estimate.

BUDGET LINE ITEM: 30-93-7210-5900

JUSTIFICATION:

2024-25 approved capital project for installation of Electric Vehicle charging stations in the City of Southport. Recommended location to be approved by board.

IMPACT IF NOT APPROVED:

Board of Alderman Goals and Priorities list item # 28. Electric Vehicle Plug-ins will not be completed.

DEPARTMENT HEAD COMMENTS:

CITY MANAGER COMMENTS:

This meets a Board goal and is a progressive idea for this community's future.

ATTACHMENTS:

Electric Vehicle Charging Station Proposal

REQUESTED ACTION:

Approve recommended installation location.

PROPOSED MOTION:

Vote to approve installation location to allow project to be completed.

City of Southport

Electric Vehicle Charging Station Proposal

8/27/2024

EV Charging Station Proposal

BACKGROUND

Electric Vehicle (EV) charging stations within the City has been requested by the Board of Alderman approved for the fiscal year 24-25.

The presence of accessible charging stations plays a vital role in encouraging the adoption of electric vehicles and supporting environmental preservation.

Installing EV charging stations within the city promotes inclusion as a stop/destination with EV owners plan their trip.

Several locations were reviewed for feasibility. One site was chosen to balance location, minimum impact on existing parking spaces and available electric infrastructure. Centralizing the location improves usage, while utilizing available infrastructure reduces installation cost.

EV Charging Station Proposal

PROPOSAL

Recommended Location

- ❖ East side of the Howe St and Bay Avenue intersection
- ❖ (+) Electric infrastructure necessary to commission a charging station currently exists at that location, reducing cost.
- ❖ (+) Current parking spaces will not be reduced, and 2 new parking spaces can be added
- ❖ (+) Room for expansion of one additional charging station with the loss of one parking space.



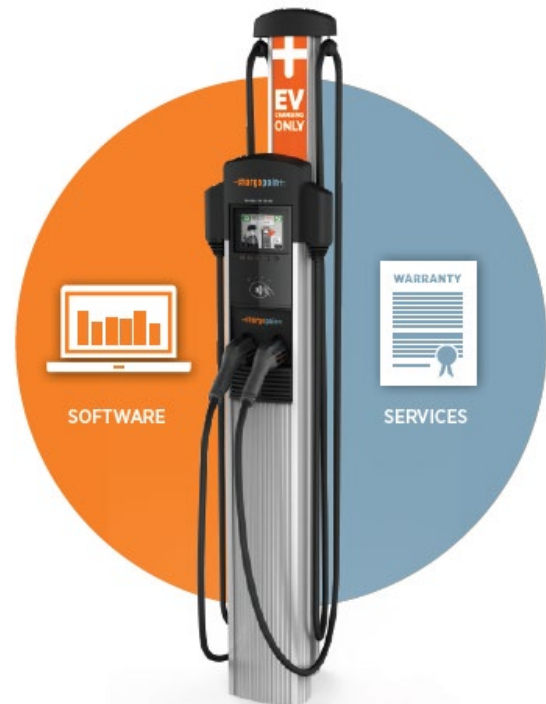
EV Charging Station Proposal

PROPOSAL (Cont.)

- ❖ Estimate for Turnkey installation of 2 Type 2 dual-charging EV Chargers

ACTION	Per (\$)	Quantity	Sub (\$)
Purchase of ChargePoint EV Chargers	10,200	2	20,400
Electrician "Make-Ready" Cost	5,750	2	11,500
BEMC Labor & Materials	4,000	2	8,000
Sub			39,900
Tax			2,700
Total			42,600

- ❖ ChargePoint Advantages
- ✓ BEMC is certified to install and maintain ChargePoint
 - ✓ ChargePoint Chargers come with a 5-year data plan included.
 - ✓ Data plan includes cellular connectivity to the charger for credit card transactions.
 - ✓ The City can have the transactions directly deposited to a City account or BEMC could track costs as a service to the O&M contract.
 - ✓ Chargers can be on ChargePoint's network that will show the status of the charger (in use or not) and collect real-time usage data.
 - ✓ The City can have an administrator that will get notified when there is an issue with the charger or can have BEMC add the chargers to their network and use our fleet department to respond to any issues and provide support.
 - ✓ City maintenance personnel can obtain ChargePoint certification and maintain their own equipment.



EV Charging Station Proposal

OTHER LOCATONS THAT WERE CONSIDERED

- ✓ North side of Nash Street
 - (+) Circuits supplying the existing event pedestal could be used to supply necessary circuits for EV charging Station(s)
 - (-) Elimination of two to four parking spaces.



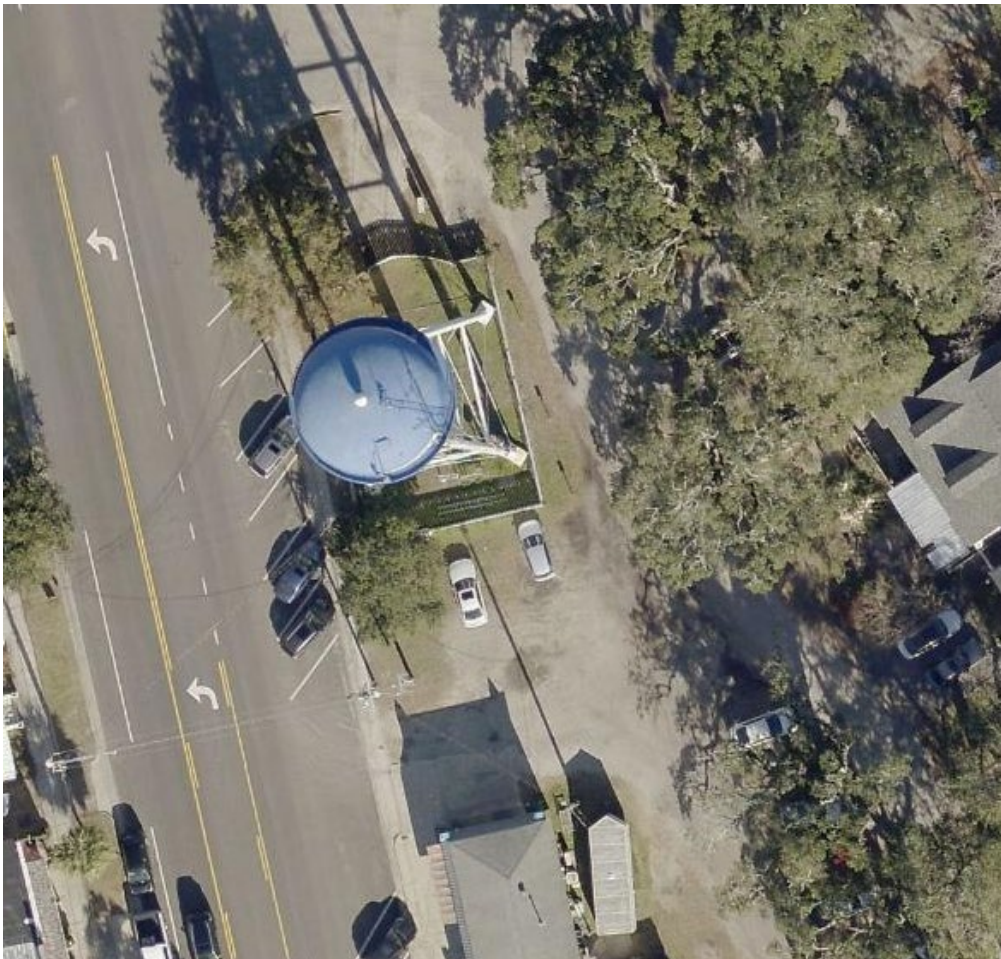
EV Charging Station Proposal

OTHER LOCATIONS THAT WERE CONSIDERED (Cont.)



✓ Water Tower

- (+) Electrical infrastructure in tower yard could be used to supply necessary circuits.
- (-) EV Charging Station(s) cannot be located on the DOT Right of Way.
- (-) The DOT Right of Way extends under the tower, reducing the ability to create parking on the north or south side of the tower.
- (-) Dry Street on the East Side could not support parking without moving the travel path to the east, requiring additional improvement costs including removal of trees and paving.



EV Charging Station Proposal

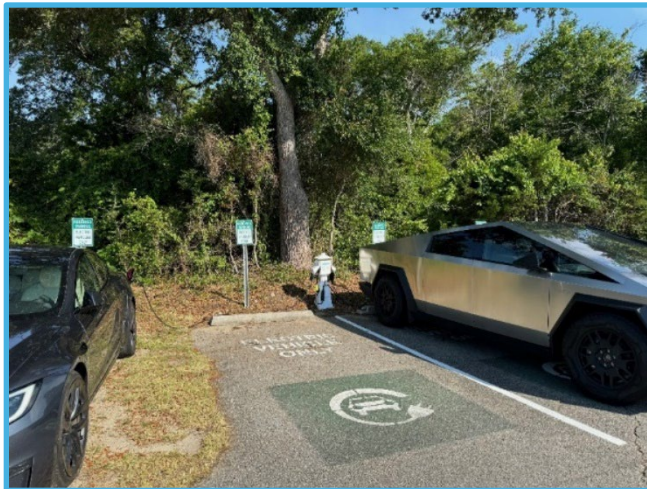
EXAMPLES OF EXISTING EV CHARGING STATIONS IN/NEAR SOUTHPORT



- Brunswick Nuclear Station
 - Not publicly accessible
 - Ability to charge eight vehicles



- Oak Island
 - Public Access
 - Police Station
 - Pickleball Court



- Deep Point Marina
 - Publicly accessible by entering the parking area (free for the first two hours and then the full daily charge)
 - Ability to charge 4 vehicles

- Sunny Point
 - Not publicly accessible
 - Currently slated to install 7 stations capable of servicing 14 Electric Vehicles.

EV Charging Station Proposal

COST/REVENUE STUDY OF OAK ISLAND EV CHARGING STATION

- ❖ The ChargePoint EV Charging Station located at the Oak Island Municipal complex is owned and managed by Brunswick Electric Membership Corporation. This is one of BEMC's higher use EV charging sites, which is a result of its location.

Date Range	# Times used	Total kWh	Gross Revenue (@ 0.15)
7/1 – 7/31/2024	136	2889.566	433.43





BOARD OF ALDERMEN

AGENDA ITEM SUMMARY

DATE: 10/7/2024

DEPARTMENT: Electric

PRESENTED BY: Noah Saldo / LP Ditton

ITEM SPONSORED BY: Electric Division

ITEM/TOPIC: North Carolina Eastern Municipal Power Agency (NCEMPA) Board of Commissioners (BOC) Appointments

COST: N/A

BUDGET LINE ITEM: N/A

JUSTIFICATION:

Currently the commissioner and 2nd alternate commissioner positions for the City of Southport are vacant with the retirement of commissioner Paul Fisher and 2nd alternate commissioner Paul “Ellie” Pittenger.

IMPACT IF NOT APPROVED:

Southport may not have representation on the NCEMPA Board of Commissioners.

DEPARTMENT HEAD COMMENTS:

The commissioner is a voting member of the NCEMPA BOC and as such, represents the City of Southport’s best interest with respect to the Full Requirements Power Purchase Agreement (FRPPA) with Duke Energy Progress (DEP) through our wholesale power provider, Electricities. With the retirement of our commissioner and 2nd alternate, we currently lack the necessary depth of representation.

Staff request the appointment of Frank Petraglia as the commissioner and Southport Energy Manager Larry Ditton as the 2nd alternate. Mayor Alt currently serves as the 1st alternate.

CITY MANAGER COMMENTS: Let’s get these positions filled so we can pursue grant funding.

ATTACHMENTS:

Board application for each member.

PROPOSED MOTION:

Motion to appoint Frank Petraglia as the commissioner and Larry Ditton as the 2nd alternate to the NCEMPA Board of Directors.

Following the appointment vote, the city clerk will swear in the new members.



**APPLICATION FOR APPOINTMENT TO SERVE AS A COMMISSIONER
ON THE NORTH CAROLINA EASTERN MUNICIPAL POWER AGENCY**

The undersigned is interested in community service and provides this information for use by the Board of Aldermen in considering their qualifications for appointment .

Name Frank W Petraglia

Appointment for which you are applying:

☐ North Carolina Eastern Municipal Power Agency

Physical Address: 200 Joshuas Way, Southport NC 28461

Mailing Address: Same as above

Resident of Southport ☒ Yes ☐ No For How Many Years? 3

State and County of Legal Residence: Brunswick, North Carolina

Main Phone Number 919 818-4251 Secondary Number _____

Email Address: Fwpetraglia@gmail.com

You may submit a resume along with your application detailing the following section if you choose.

Education BS Electrical Engineering

Current/Present Employer Retired

Past/Most Recent Employer RCM Technologies

Current Civic/community Participation _____

Reasons you are qualified for this appointment (optional) _____

Do you anticipate any conflicts of interest if appointed? ☐ Yes ☒ No

Signature  Date May 7, 2024

**Please Return to: Deputy City Clerk Tanya Shannon
tshannon@cityofsouthport.com: 1029 N. Howe Street, Southport, NC 28461**



**APPLICATION FOR APPOINTMENT TO SERVE AS A COMMISSIONER
ON THE NORTH CAROLINA EASTERN MUNICIPAL POWER AGENCY**

The undersigned is interested in community service and provides this information for use by the Board of Aldermen in considering their qualifications for appointment.

Name Lawrence P. Ditton

Appointment for which you are applying:

☒ North Carolina Eastern Municipal Power Agency
2nd Alternate

Physical Address: 617 Port Haven Way, Southport NC 28461

Mailing Address: Same

Resident of Southport ☒ Yes ☐ No For How Many Years? _____

State and County of Legal Residence: Brunswick County, NC

Main Phone Number 772-321-6924 Secondary Number —

Email Address: lpditton@yahoo.com

You may submit a resume along with your application detailing the following section if you choose.

Education ASEET Electronics Eng Tech

Current/Present Employer City of Southport

Past/Most Recent Employer Duke Energy

Current Civic/community Participation _____

Reasons you are qualified for this appointment (optional) _____

Do you anticipate any conflicts of interest if appointed? ☐ Yes ☒ No

Signature [Signature] Date 9/18/24

Please Return to: Deputy City Clerk Tanya Shannon
tshannon@cityofsouthport.com: 1029 N. Howe Street, Southport, NC 28461