



AGENDA

INFRASTRUCTURE COMMITTEE

May 12, 2022 at 10:00 AM

Call to Order

Approval of Minutes

1. Minutes, April 14, 2022

Old Business

2. Public Works Project Updates
3. TIMSC Walkway
4. Water Tower Update - Todd Smith
5. South End Trash Compactor Relocation

New Business

6. 15th Street Stormwater Drainage
7. Jaycee Park Turf Upgrade
8. River's End Campground Upgrades

Comments from the Public

City Manager Comments

Adjournment

City of Tybee Island
Infrastructure Committee
April 14, 2022

Shawn Gillen called the meeting to order at 10:00AM. Those in attendance were Michelle Owens, Peter Gulbranson, and Barry Brown.

Pete Gulbranson made a motion to approve the minutes. Michele Owens seconded. Motion to approve was unanimous.

Current Project Update

Dr. Gillen confirmed Mr. Gulbranson distributed the Project Update List. Mr. Gulbranson stated, the projects:

- **Tybee Strand Bathroom Project:** All the block has been completed and the rafters are being installed. The wall framer is due to start this week. Completion date is still scheduled for Memorial Day Weekend.
- **Lighthouse Area Phase II Sewer Construction:** All sewer and laterals on Meddin Drive has been completed to Cedarwood and on Veterans Drive from Meddin to the American Legion. The road has been lowered to improve drainage and alleviate flooding. Concrete curbs and driveways have been poured between Gullick and Cedarwood.
- **Asphalt Paving Project:** The contract will be awarded to AD Williams. The pre-construction meeting has taken place and once the contract is approved by Mayor and Council, work will begin.
- **Gas Tanks:** Public Safety Building. They are currently running and all software issues has been resolved.
- **Polk Street:** The pre-bid meeting is scheduled for the April 19, 2022. The contract will be before Mayor and Council on the May 12, 2022 meeting.
- **Charging Stations at North Beach:** Georgia Power has one of the chargers installed and still awaiting the additional charger. The charger for Memorial Park is still waiting on Georgia Power to run the lines.
- **Maintenance of City Owned Buildings:**
 - **Fire Department:** All upgrades have been competed
 - **DPW:** All electrical work has been completed
 - **Guard House:** Basically completed
 - **Campground:** Awaiting completion of electrical issues
 - **Bathrooms at DPW:** Have been completed
 - **DPW:** Trees have been planted for screening
 - **Dog Park:** Mulch has been put down
 - **Welcome Sign:** Upgrades are still in progress
 - **Public Safety Building:** Landscaping in progress

Barry Brown asked Dr. Gillen to post Mr. Gulbranson's spreadsheet showing the project updates. Dr. Gillen confirmed.

Dr. Gillen gave a brief update on the **Water Tower**. He stated there isn't much to report. Currently they are awaiting removal of equipment and then the maintenance work will begin. There is not a timeline for this project. As to the water tower on Butler Avenue, they are currently getting legal assistance to remove the old antennas.

New Business

- **Alley 3:** Mayor pro tem Brown asked Dr. Gillen if any research has occurred. Dr. Gillen responded in the negative. He is awaiting Mayor and Council to make a final decision before moving forward. Dr. Gillen would like this project included in the CIP for the next year.
- **Lead Mandate:** Chris Stovall joined the meeting via telephone. Mr. Stovall explained the plan going forward regarding the new rules. Basically for the next two (2) years the City will need to develop a new plan of action, as the action level used to be 15 parts per billion (ppb) and it will go to 10 ppb under the new guidelines. This will take effect in 2024. An Action Plan needs to be developed of sampling locations which will now include schools. Mr. Stovall explained the new testing guidelines which includes time to collect samples for testing. Mayor pro tem Brown expressed his concerns with families that have children and the testing times. He asked that Dr. Gillen and Ms. Owens find an alternate way to notify residents of the testing guidelines other than on the back of the water bill. Dr. Gillen confirmed. Mr. Stovall explained the grant process and confirmed a Plan of Action needs to be in place prior to applying for a grant to replace laterals. Dr. Gillen confirmed the Plan of Action needs to be in place by 2024 and to identify to potential lines for replacement. Mr. Stovall confirmed and stated in 2025 the new testing guidelines will take place and replacement of the lines will begin 2026.
- **Marine Science Center:** Dr. Gillen stated he received a request from the Marine Science Center to create a safe walkway from the Marine Science Center to the public bathrooms. Mr. Gulbranson stated his recommendation would be a concrete walkway with a curb on each side. The walk-way would go through the parking stops with the first section and follow the parking lot around. Mayor pro tem Brown stated this was in the original plan and was to go near the battery. He then asked if the portable bathroom located at south-beach be moved to that area as it might be easier to reach than going to the bathrooms by North Beach Grill. Dr. Gillen confirmed. Mayor pro tem Brown expressed his concerns with public safety with crossing the parking lot to get to the bathrooms. He asked Dr. Gillen to add to the City Council Agenda for April 28, 2022.
- **Lift Station – Jones and Butler:** Mr. Gulbranson has that included in the CIP for the upcoming budget. The new scrubber will cost approximately \$250,000.
- **South-end Compactor Location:** Dr. Gillen stated Staff to include Ben Wall, Atlanta Waste, met to try and address the locations of the compactors. Issues include employees do not follow instructions by putting waste in the compactors and not on the ground. This increases rodents. To make it more convenient, it is recommended the compactors be moved to just south of Tybee Pizza and enclosed with a fence. The City would lease a compactor for cardboard which would be a cost savings to the City. Staff will also reach out to the businesses for their input.

Being there was no further business, Pete Gulbranson made a motion to adjourn. Barry Brown seconded. Vote was unanimous to adjourn. Meeting adjourned at 11:00AM.

Jan Leviner, MMC
Clerk of Council



14TH STREET PARKING AREA/15TH STREET OUTFALL

LOCATION

Phase 1 – 14th St Parking Lot Area
Phase 2 – 15th St Outfall

JURISDICTIONS

City of Tybee Island
Georgia Department of Transportation

ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST

Phase 1 – \$6.5M
Phase 2 – \$3.25M

*Costs are conceptual/budgetary only and subject to revision upon design.

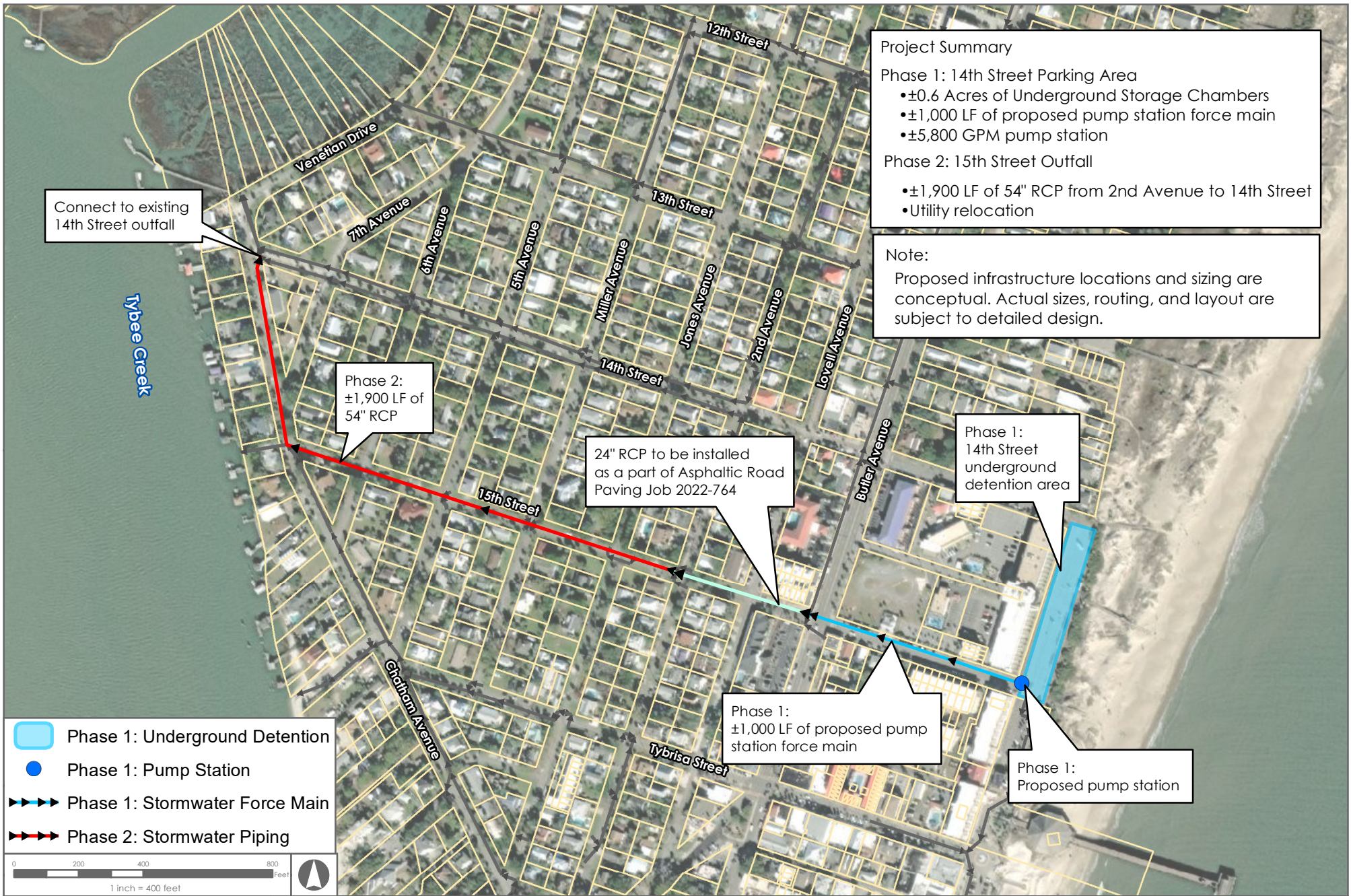


Upon award of a FEMA Pre-disaster Mitigation Grant (2019), the City of Tybee Island embarked on the preparation of comprehensive stormwater master plan to improve stormwater conveyance, reduce flooding potential and duration, and assess the effects of projected sea level rise (SLR) on its stormwater system. The 14th Street Parking Area / 15th Street Outfall project has been identified by the City as a critical stormwater improvement project required to minimize the magnitude and duration of flooding caused by precipitation events in the 14th Street Parking area. The parking area is generally at elevation 7 to elevation 8 (NAVD1988) and experiences a significant amount of flooding during heavier precipitation events. This area is located at the most upstream point of the Inlet Avenue basin. The project consists of underground detention in the 14th Street parking area, a pump station and force main and new storm main on 15th Street to convey stormwater runoff from Butler Avenue to the existing 14th Street outfall at the Back River.

Phase 1 consists of the design, permit and construction of an underground stormwater detention system, a gravity connection to the existing stormwater system, a 5,800 GPM stormwater pump station, 1,000 linear feet of force main connecting the proposed stormwater pump station to the 15th St gravity stormwater system and repaving the beach parking area between 14th and 15th Streets. This project would minimize flooding and duration of flooding within the beach parking area. The conceptual cost is estimated at \$6.5M.

Phase 2 consists of the design, permit and construction of a large diameter stormwater to be installed on 15th Street and connecting to the existing 14th St outfall. This project consists of the installation of approximately 1,900 linear feet of 54" diameter storm main from 2nd Ave heading east down 15th St, tying into the existing 14th St Outfall. 15th Street was selected as the corridor for the additional outfall due to the water infrastructure being located on the north side of the right-of-way, minimal sanitary sewer conflicts and relatively open installation area along the southern edge of the right-of-way. The project is a portion of the overall comprehensive stormwater master plan recommendations to reduce the magnitude and duration of flooding. The conceptual cost is estimated at \$3.25M.

It should be noted that the conceptual improvements and approximated costs are subject to change based on survey information and further refinement during the design process. As such, recommended improvements shall be considered conceptual and approximated costs considered budgetary.



Project Summary

Phase 1: 14th Street Parking Area

- ±0.6 Acres of Underground Storage Chambers
- ±1,000 LF of proposed pump station force main
- ±5,800 GPM pump station

Phase 2: 15th Street Outfall

- ±1,900 LF of 54" RCP from 2nd Avenue to 14th Street
- Utility relocation

Note:

Proposed infrastructure locations and sizing are conceptual. Actual sizes, routing, and layout are subject to detailed design.

- Phase 1: Underground Detention
- Phase 1: Pump Station
- Phase 1: Stormwater Force Main
- Phase 2: Stormwater Piping



Job Number: 29140	Produced: 4/14/22	Produced By: ATL	Modified: 4/15/2022	Modified By:
File: Z:\29140\29140_0000\GIS\Map\Proposed Project Exhibit\29140_0000_Ph01 and Ph02.mxd				Vertical Datum:
Thomas & Hutton compiled the map information from the following sources:				
Data	Source	Date		
Aerial	NAP/ESRI	2019		
Parcels	Chatham County	2017		

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Concept Plan

Tybee Island, Georgia

Phase 1: 14th Street Parking Area

Phase 2: 15th Street Stormwater Outfall

50 PARK OF COMMERCE WAY
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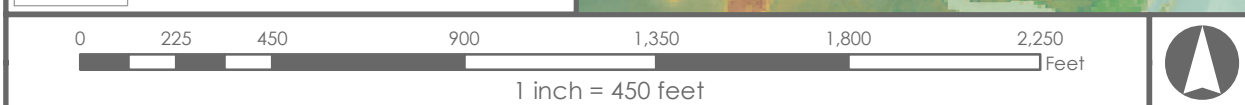


Ground Water Monitoring Locations

Chatham 3ft DEM

Value
 - High : 28.1025
 - Low : -3.91

Parcels



Job Number:	Produced:	Modified:	Modified By:
File: Z:\29160\29160\0000\GIS\Mxd\Exhibit MXDs\29160\0000 - Ground Water.mxd		9/22/2021	
Thomas & Hutton compiled the map information from the following sources:		Vertical Datum:	
Data	Source	Date	

Outfall Watershed	T&H	2021
Aerial	NAIP/ESRI	2019

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Ground Water Monitoring Location Plan

Tybee Island, Georgia

City of Tybee Stormwater Master Plan



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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



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Ground Water Monitoring Location Plan

Tybee Island, Georgia

City of Tybee Stormwater Master Plan



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#7 - 18th Street east of
Chatham



14TH STREET

WATCH FOR RIP CURRENTS

NO PETS ON BEACH

NO GLASS ON BEACH

NO LITTERING

NO FIREWORKS

NO PARKING

#4 - 14th Street



#1 - 14th Street at 5th Ave

#8 - Lovell at 11th Street





#6 - Lovell north of 6th Street

#3 - City Hall parking off 4th Street near Lovell





#2 - end of Mortar Ave



#5 - Bay & Byers