

MINUTES
NOVEMBER 12, 2020
REGULAR TOWN COUNCIL MEETING
6:00 P.M.

Town of Edisto Beach
Town Hall
2414 Murray Street
Edisto Beach, SC 29438

Present in person: Jane S. Darby, Mayor, Crawford Moore, Mayor Pro Tempore, and Jerome Kizer, Council Members. Present via conference call: Patti Smyer, Council Member. *Quorum of Council Present.*

Pledge of Allegiance and Invocation

Mayor Darby led those present in the Pledge of Allegiance and an invocation.

Approval of Minutes

Mayor Pro Tem Moore moved to approve the minutes of the October 8, 2020 Regular Council Meeting, the October 21, 2020 Special Council meeting and the October 22, 2020 Special Council Meeting. The motion was seconded by Councilman Kizer and approved 4 – 0.

Old Business

A. Second Reading of Ordinance No. 2020-23 to Amend Section 78-54 regarding golf cart decals and increase the fine for Parking Violations – Councilman Kizer moved to approve the second reading of Ordinance No. 2020-23 to amend Section 78-54 regarding golf cart decals and increase the fine for parking violations. The motion was seconded by Mayor Pro Tem Moore and approved 4 – 0.

B. Deer Study 2020 – Folk Land Management, Inc. completed the 2020 deer spotlight study on September 30, 2020. The largest concentration of deer was observed in Segment 3, potentially due to deer habitat on the southern end of the beach and supplemental feedings of deer by homeowners. Mayor Darby suggested that the next spotlight include observations during daylight hours as well as dusk/nighttime observational times. Mayor Pro Tem Moore moved to approve the submission of the study for informational purposes, seconded by Councilman Kizer and approved 4 – 0.

New Business

A. Arc/Billow Drainage Project – Ryne Phillips, Mike Horton and Catherine Hendrick were present for the presentation from Davis & Floyd. The presentation is attached to these minutes.

B. 2021 Meetings and Holidays Schedule – Councilman Moore moved to approve the 2021 meetings and holidays schedule, seconded by Councilwoman Smyer. Mayor Darby suggested a change in the Christmas holidays – instead of having Friday, Monday and Tuesday, since Christmas is on Saturday, have Friday and Monday as Christmas holidays and have two days for New Years. That would give employees a long weekend for both Christmas and New Years. Mayor Pro Tem Moore moved to amend the motion to account for the changes to the 2021 Christmas holidays. Councilman Kizer seconded the amendment which was approved 4 – 0.

C. 2021 Council Goal Setting Retreat – Councilman Kizer moved to approve the Town of Edisto Beach 2021 Goal Setting retreat be held on Tuesday, January 26th beginning at 10:00 a.m. in Council chambers. Mayor Pro Tem Moore seconded the motion which was approved 4 – 0.

D. Camera Project – Councilwoman Smyer moved to approve replacing/adding cameras at Town Hall, Bay Creek Park, the intersection of Highway 174 and Jungle Road and the convenience station at a cost of \$16,200 to be paid from the depreciation account. This adjustment to the account would leave \$12,880 for any other repairs or replacements. Mayor Pro Tem Moore seconded the motion, which was approved 4 – 0.

E. Award of RFP 2020-06 Convenience Station Attendant Services - \$30,000 – Councilman Kizer moved to approve the award of RFP 2020-06, Convenience Station Attendant Services to Lyons Contract Service, LLC at a cost not to exceed \$30,000 and to authorize the Town Administrator to negotiate said contract.

Committee Vacancies

A. Water and Sewer Committee – 1 vacancy – There is still a vacancy on the Water and Sewer Committee. The Town will continue to advertise.

B. Municipal Elections Commission – 1 vacancy - Councilwoman Smyer moved to approve the application from Ann Luckadoo to fill the unexpired term of Gloria Zeller on the Municipal Elections Commission. The motion was seconded by Mayor Pro Tem Moore and approved 4 – 0.

C. Beachfront Management Committee – Dr. Patrick Sheehan has resigned from the Beachfront Management Committee. Mayor Pro Tem Moore moved to approve advertising for the vacancy, seconded by Councilman Kizer and approved 4 – 0.

Accommodations Tax Advisory Board

A. Town of Edisto Beach, Edisto Beach Spot Nourishment Project 2020 – Hurricane Dorian, \$320,000 – Councilman Kizer moved to approve the Town’s request to the ATAX Board for \$320,000 for the Edisto Beach Spot Nourishment Project to repair Hurricane Dorian damages. Mayor Pro Tem Moore seconded the motion, which was approved 4 – 0.

Departmental Updates

Administration

	Received	Spent
General Fund	28.21%	33.82%
Water Fund	10.04%	30.57%
Wastewater Fund	8.86%	30.72%

There were six Freedom of Information Act requests in the month of October: one from Kelly Hyatt and one from Gray Snead; two from Paul Pye and two from William Hackett.

Building

	October 2019	October 2020	YTD
Business/Rental License Fees	\$3,135.40	\$18,994.80	\$66,884.12
New Construction Permits	0	0	9
Other Permits	37	18	120

Permit Fees	\$5,148.00	\$,1949.80	\$33,641.00
Inspections	50	54	210

Fire

Calls	October 2019	October 2020	YTD
Medical	15	18	97
Fire-related	9	2	6
EMS/Misc	40	33	148
Beach Wheelchairs	8	7	56
Water Rescue	1	1	6
Welfare Checks		6	31

Police

	October 2019	October 2020	YTD
Miles Patrolled	8,363	9,147	36,847
Incidents & Calls for Service	66	101	731
Property Checks	856	964	3,547
Town Parking Tickets	24	27	345

Public Works

In the month of October the Public Works Department delivered two garbage cans, installed “Golf Cart Parking Only” signs at Beach Access 26, replaced 12 street signs and cleaned up at the Civic Center. The also were busy with grading Pompano Street in the 400 – 500 block and ordered 40 new brown roll carts for beach accesses.

Utilities

	October 2019	October 2020	YTD
Pumped MG Water	12.41	17.93	89.52
Treated MG Wastewater	3.34	3.63	19.63
Water Line Repairs	5	6	20
Work Order Repairs	21	33	125

Special Projects

	October 2020
Edisto Civic Center	\$5,118.05
Bay Creek Park	\$4,684.00

Public Comment

Nothing was submitted for Public Comment.

Executive Session


Executive Session was cancelled due to there being no new developments.

Adjournment

Mayor Darby announced Utilities Director Patrick Zemp and his wife welcomed their first child, a boy, on Wednesday, November 11, 2020.

Mayor Pro Tem Moore moved to adjourn the meeting, seconded by Councilman Kizer and approved 4 – 0.

APPROVED BY TOWN COUNCIL



Deborah Hargis, Municipal Clerk
December 10, 2020



DAVIS & FLOYD

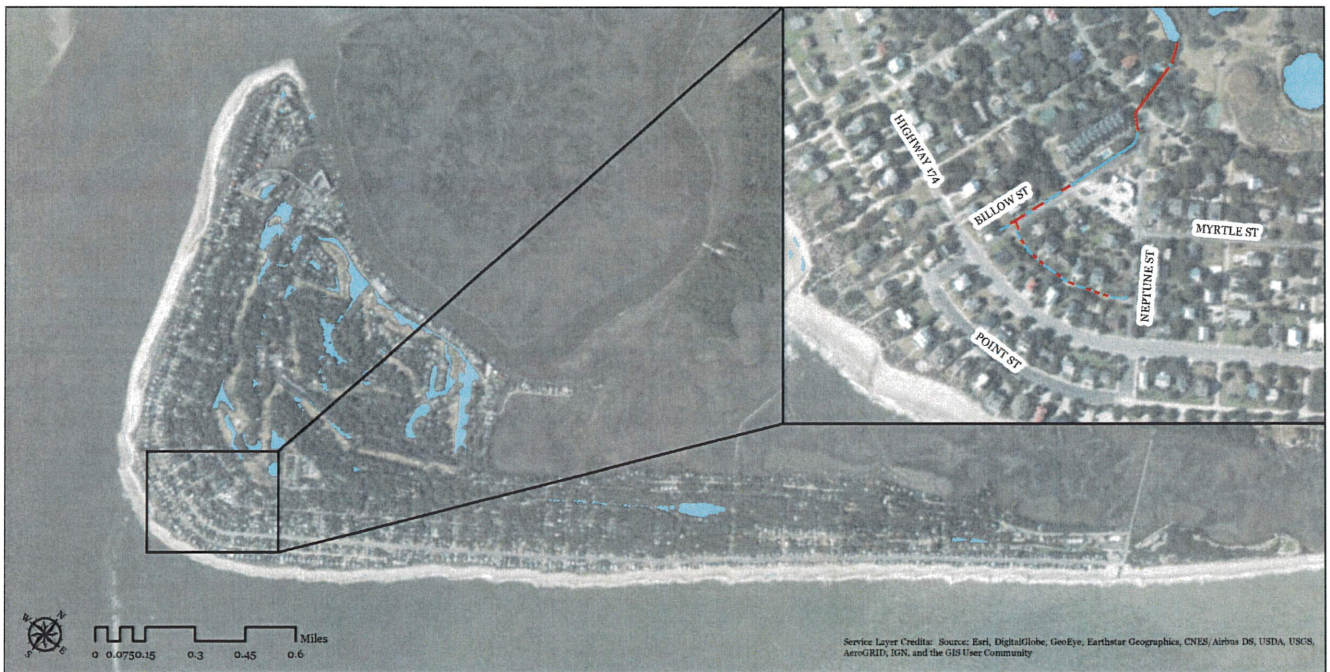
SINCE 1954

Arc/Billow Street Drainage Improvements – Project Status
Town of Edisto Beach

*November 12, 2020, 6:00 PM
Town Council Meeting*

WWW.DAVISFLOYD.COM

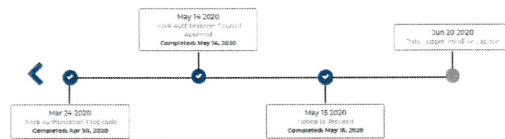
Background



Project Overview

- Data Collection and Field Investigations
- Drainage Study
- Recommendations for Improvements
- Engineering Design

Billow Street/Arc Street Drainage Project



In 2016 the South Carolina Department of Transportation and the Town of Myrtle Beach implemented the first phase of a drainage plan in Myrtle Beach. The plan included installing the permits for upward and downward street drainage. The plan was expanded to the outlet at the end of Billow Street. However, to improve drainage, ditches were required. Ditches were placed to supplement additional improvements drainage in the area with the goal of reducing the risk of flooding. Plans will be made to implement improvements to the outlet in the area.

Project Manager- Iris Hill

Devis and Floyd - Ryme Phillips Project Manager

Documents
Devis and Floyd Open Access

Project Updates

Presentation to Council
Monday, October 10, 2020
Devis and Floyd presented to the Myrtle Beach City Council on November 12, 2020.

Arc Street Drainage Ditches

Thursday, August 14, 2020



Data Collection

- Hydrologic Data Gathering
 - Rain Gauge
 - Water Level Loggers (2)
- Field Investigations
 - Conditions Assessment
 - Pipe Inventory
 - Topographic Survey
- Record Drawings
 - Town As-Builts
 - SCDOT Roadway Plans



Conditions Assessment



Clogged Culvert (Myrtle St.)

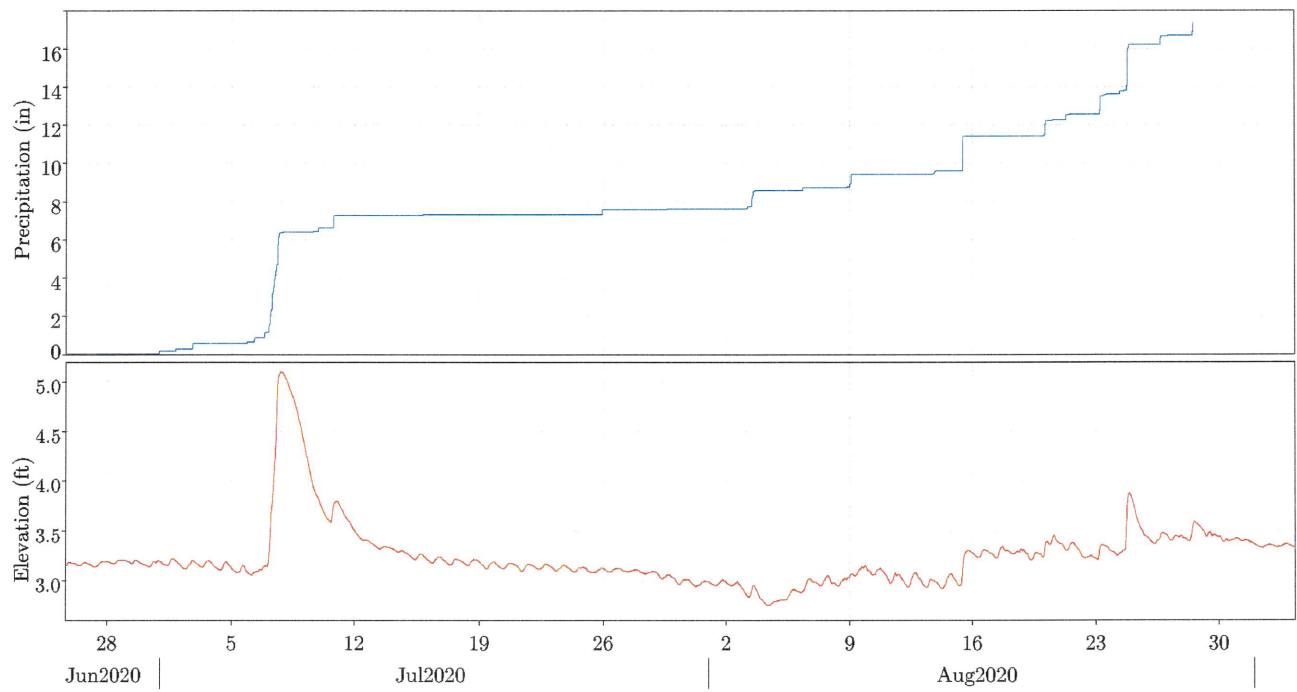


Standing Water along Billow St.

Inventory Overview (Desktop/Field)

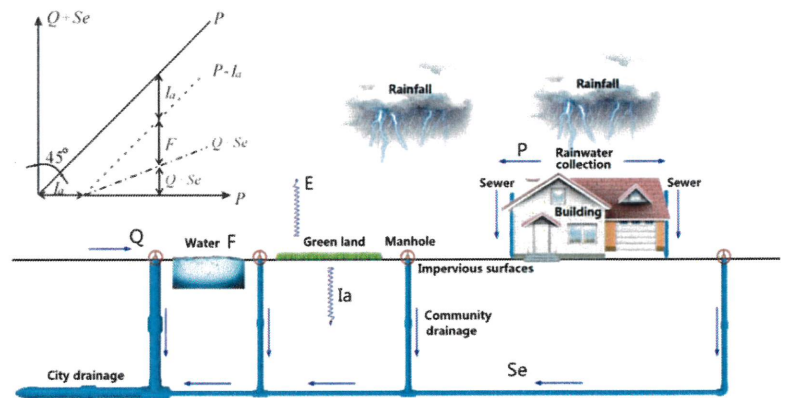


Data Collection – Rainfall/Lagoon Monitoring



H&H Modeling

- Hydrologic Assessment
 - Watershed Identification
 - Rainfall-Runoff Process
 - Design Storms
 - Observed Storms
- Hydraulic Assessment
 - Pipe, Channel, and Overland Flow
 - Combined 1D/2D SWMM model
 - Identify/Evaluate Capacity
 - Lagoon Influence



Urban hydrologic/hydraulic process (Meng et al., 2019).



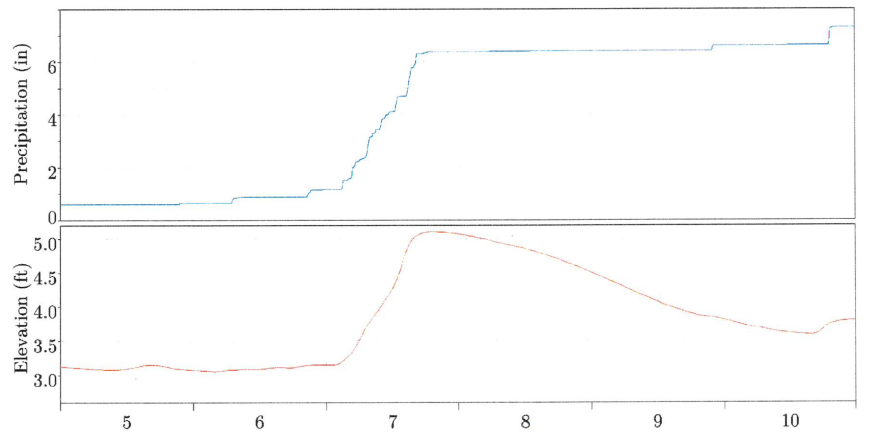
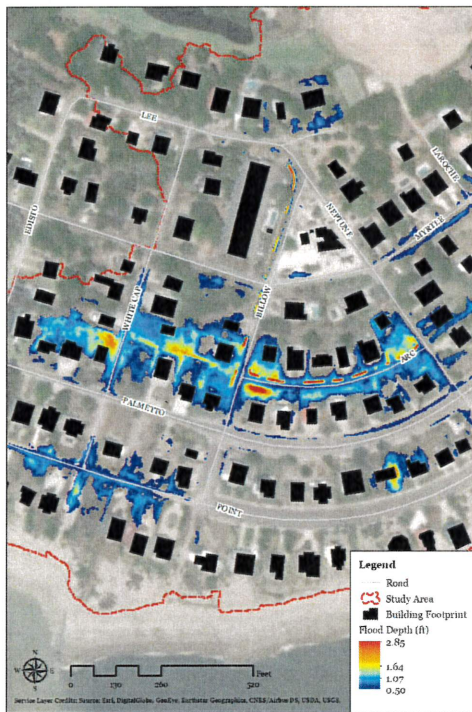
H&H Modeling – Results



- 130-Acre Study Area
- 46 Watersheds
 - Average Area = 20 acres
 - Average Slope = 3.9 %
 - Average Curve Number (Runoff Potential) = 82



H&H Modeling – Results (Validation)



Cumulative precipitation (top) and downstream lagoon water level during July 7, 2020 storm event.

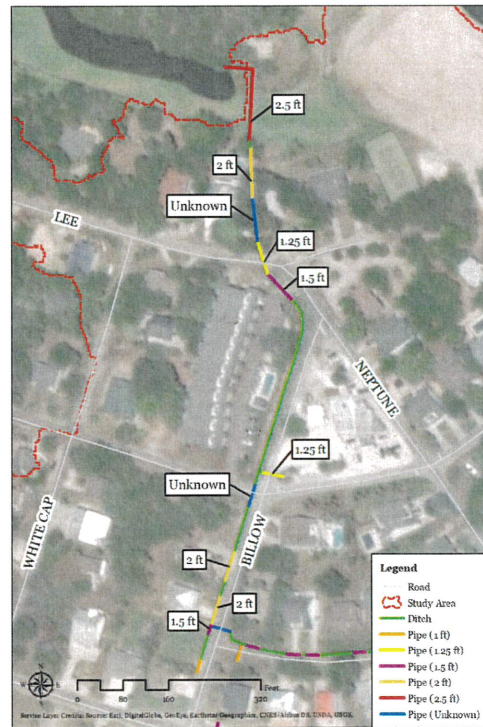


H&H Modeling – Results (Validation)

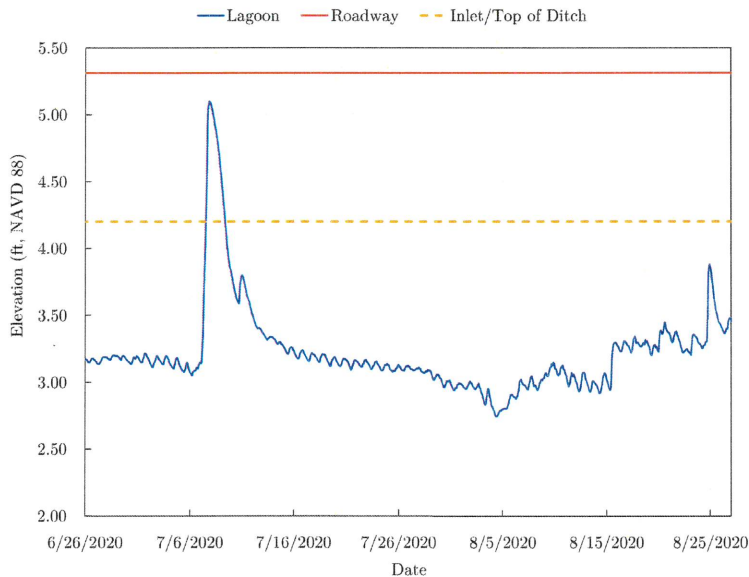


Structural Flood Contributors

- Clogged Culvert at Myrtle St.
- Constricted Outfall Piping
 - Billow St. Piping = 2-foot Diameter
 - Lee St. Piping = 1.25-foot Diameter
 - Golf Course Piping = 2.5-foot Diameter
- Reduced Pipe Grades
 - Golf Course Piping Higher than Upstream Piping



Hydrologic Flood Contributors



Elevation constraints at intersection of Arc and Billow.

- Lagoon System
 - Long Flow Path = Long Drain Time
 - Water Levels Maintained at or Above Pipe Inverts at Arc/Billow
- Large Contributing Drainage Area
- Low-Lying Area (Arc/Billow)
- High Water Table



General Recommendations

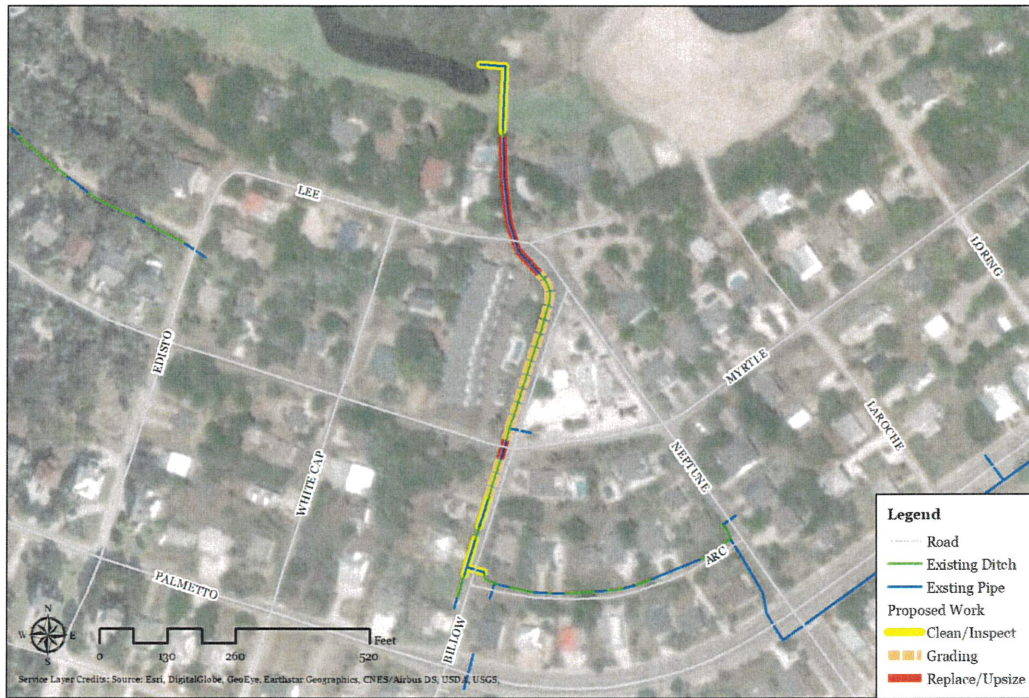
- Culvert at Myrtle St.
 - Clean and “unplug” culvert
 - SCDOT has been contacted
- Maintenance
 - Routine pipeline cleaning
 - Town has purchased equipment



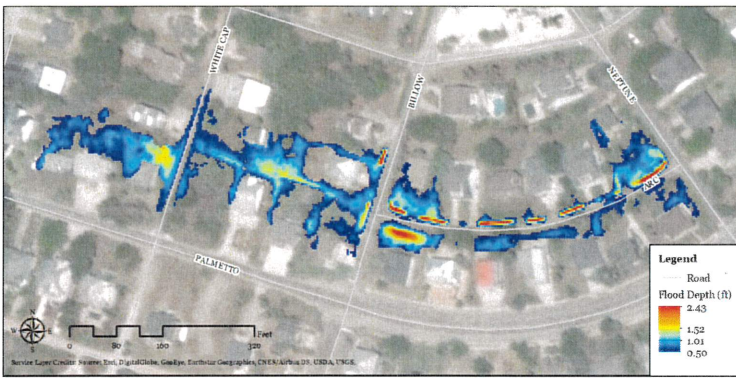
Clogged Culvert (Myrtle St.)



Immediate Construction Recommendation



Existing vs. Proposed



Existing Average Conditions

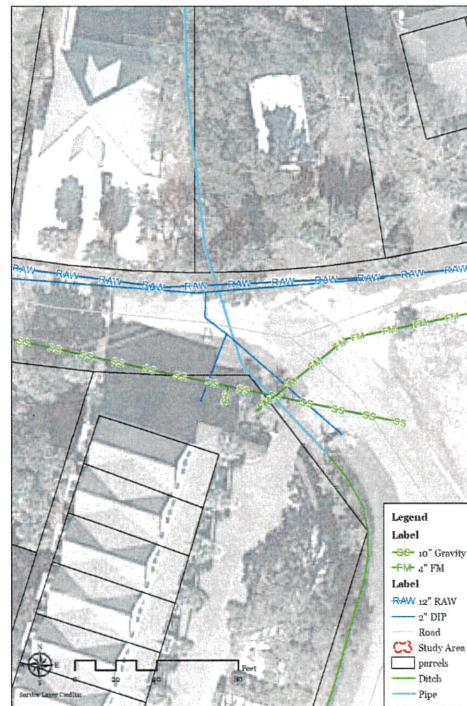


Proposed Average Conditions



Construction Constraints

- Utility Conflicts
 - Water
 - 12" Raw Water Line
 - 2" Water Service Lines
 - Sewer
 - 4" Force Main
 - 10" Gravity Line
- Tree Protection
- Water Table
 - Dewatering Requirements



Construction Estimate

- ~\$265,000
- Includes:
 - Utility Relocations (~25% of estimate)
 - Permitting
 - Construction Inspection Services
 - 25% Contingency
- Checks
 - MPW/CWS
 - SCDOT: Myrtle Street Drainage

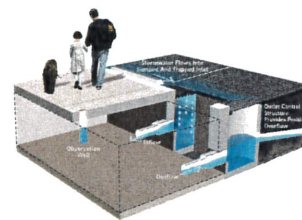
Bid Form Cost Estimate					
Item	Description	Qty	Unit	Unit Price	Total Cost
GENERAL ITEMS					
1	Mobilization	1	LS	\$10,000.00	\$10,000.00
2	General Items				
A.	Surveying	1	LS	\$10,000.00	\$10,000.00
B.	As-Built Drawings / Project Closeout	1	LS	\$10,000.00	\$10,000.00
INCIDENTAL					
3	Traffic Control and Temporary Storage				
A.	Permanent Construction Signs (Ground Mounted)	2	SF	\$10.00	\$20.00
4	Sediment and Erosion Control				
A.	Drop-In Inlet Protection	4	EA	\$880.00	\$3,520.00
B.	Silt Fence, Sediment Tubes, and Construction Entrance	1	LS	\$7,500.00	\$7,500.00
STORMWATER					
5	Demolition and Removal				
A.	Removal and Disposal of Existing Stormwater Structures	3	EA	\$750.00	\$2,250.00
6	Paving				
A.	24" RCP	40	LF	\$125.00	\$5,000.00
B.	30" RCP	290	LF	\$190.00	\$55,100.00
7	Structures				
A.	24" x 36" Grate Inlet	2	EA	\$2,750.00	\$5,500.00
B.	18 (48" Diameter)	1	EA	\$5,000.00	\$5,000.00
C.	18 (48" Diameter) w/ Conflict	1	EA	\$10,000.00	\$10,000.00
8	Management of Existing Stormwater System				
A.	Cleaning & Inspection of Existing Storm Piping (<=36")	350	LF	\$29.00	\$10,150.00
ROADWAY					
9	Demolition and Removal				
A.	Removal and Disposal of Existing Pavement	96	SY	\$25.00	\$2,400.00
B.	Removal and Disposal of Existing Sidewalk and Concrete Curbing and Driveways	3	SY	\$25.00	\$75.00
10	Pavement				
A.	Liquid Asphalt Binder PG64-22	15	TON	\$600.00	\$9,000.00
B.	Hot Mix Asphalt Intermediate Course Type B	10	TON	\$100.00	\$1,000.00
C.	Hot Mix Asphalt Surface Course Type B	6	TON	\$135.00	\$810.00
WATER/SEWER INCIDENTAL ITEMS					
11	Incidental Items				
A.	Water Record Drawings and Closeout	1	LS	\$5,000.00	\$5,000.00
B.	Sewer Record Drawings and Closeout	1	LS	\$5,000.00	\$5,000.00
WATER DISTRIBUTION SYSTEM					
12	Existing Utility Relocation				
A.	12" RAW Water Line Offset	1	LS	\$12,000.00	\$12,000.00
B.	2" Water Line Offset	2	EA	\$2,500.00	\$5,000.00
SANITARY SEWER					
13	Existing Utility Relocation				
A.	4" Force Main Offset	1	LS	\$5,000.00	\$5,000.00
B.	Bypass Pumping	1	LS	\$15,000.00	\$15,000.00
PERMITTING					
14	Permitting				
A.	Permitting	1	LS	\$7,500.00	\$7,500.00
CONSTRUCTION INSPECTION					
15	Construction Inspection				
A.	Construction and Inspection	1	LS	\$10,000.00	\$10,000.00
				Sub-Total Items 1-15 Inclusive	\$211,825.00
				25% Contingency	\$52,956.25
				Total	\$264,781.25



Additional/Future Considerations

- Infiltration Testing
 - Determine Adsorption Capacity of Arc St. Soils
 - Determine if Infiltration Technology is Feasible
- Comprehensive Lagoon Study/Master Plan
 - Ocean Ridge Drainage Network
 - Improvement Funding with FEMA BRIC Grants?

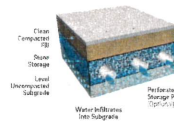
Subsurface Infiltration



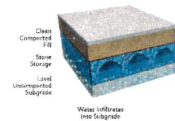
Storage Types:



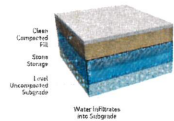
Stone Storage



Chamber Storage



Plastic Grid Storage

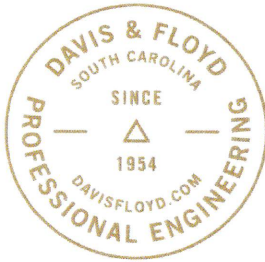


Sample subsurface infiltration technologies (Source: Philadelphia stormwater management guidance manual).



Questions?

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