



**City of Boiling Spring Lakes
Board of Commissioners Sewer Master Plan Workshop
May 19, 2020
City Hall – 9:00 a.m.**

PLEASE TURN OFF CELL PHONES

1. Call to Order ~ Mayor Craig Caster

Mayor Caster called the Workshop to order at 9:00 a.m.

2. Attendance ~

Mayor Craig Caster
Commissioner Dana Witt
Commissioner Tom Guzulaitis
City Clerk Jane McMinn

Commissioner Steve Barger
Commissioner Teagan Hall
City Manager Jeff Repp

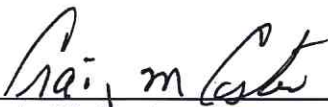
3. Introduction ~ City Manager, Jeffrey Repp

Mr. Repp commented several years ago the county opted to take a citywide sewer study and come up with a plan. This was a result of the county getting calls from developers as to when and how sewers could be brought into the city. The developers were very interested in purchasing land in the city for future development. With the help of Bill Pinnix, Director of Engineering for Brunswick County and John Nichols with the County Utilities, a solicitation was done for engineering firms to do a citywide sewer study. WK Dickson & Co. was the most responsive and was then selected to do the study. The results of the study were presented to the county last week, and Carter Hubbard, Project Manager with WK Dickson & Co., Inc. will present the potential installation of sewers in Boiling Spring Lakes.

4. Mr. Hubbard thanked the Board of Commissioners, city staff and citizens for the opportunity to address the potential sewer project. Mr. Hubbard stated he is very familiar with Boiling Spring Lakes water and sewer planning since early 2000. I am also familiar with the layout of the city and the challenges, along with the topography, soil types, wetlands, the Red Cockaded Woodpeckers and existing roads. There is a great need for a sewer system for the city to continue to grow and to keep the water bodies clean.

That the City of Boiling Spring Lakes Sewer Master Plan is hereby incorporated by reference and made a part of these minutes.

The Sewer Assessment Presentation Workshop was adjourned at 9:35 a.m.

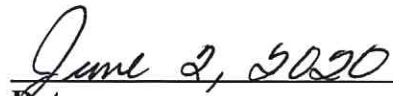


Craig M. Caster, Mayor

ATTEST:



Jane McMinn, City Clerk



Date



City of Boiling Spring Lakes Sewer Master Plan

Brunswick County Engineering Department
Brunswick County Public Utilities
City of Boiling Spring Lakes
W. K. Dickson & Company, Inc.

BOILING SPRING LAKES SEWER MASTER PLAN

Nineteen municipalities in Brunswick County

City of Boiling Spring Lakes

- Largest municipality (by land area) without a sewer master plan

Sewer Special Assessment District (SAD)

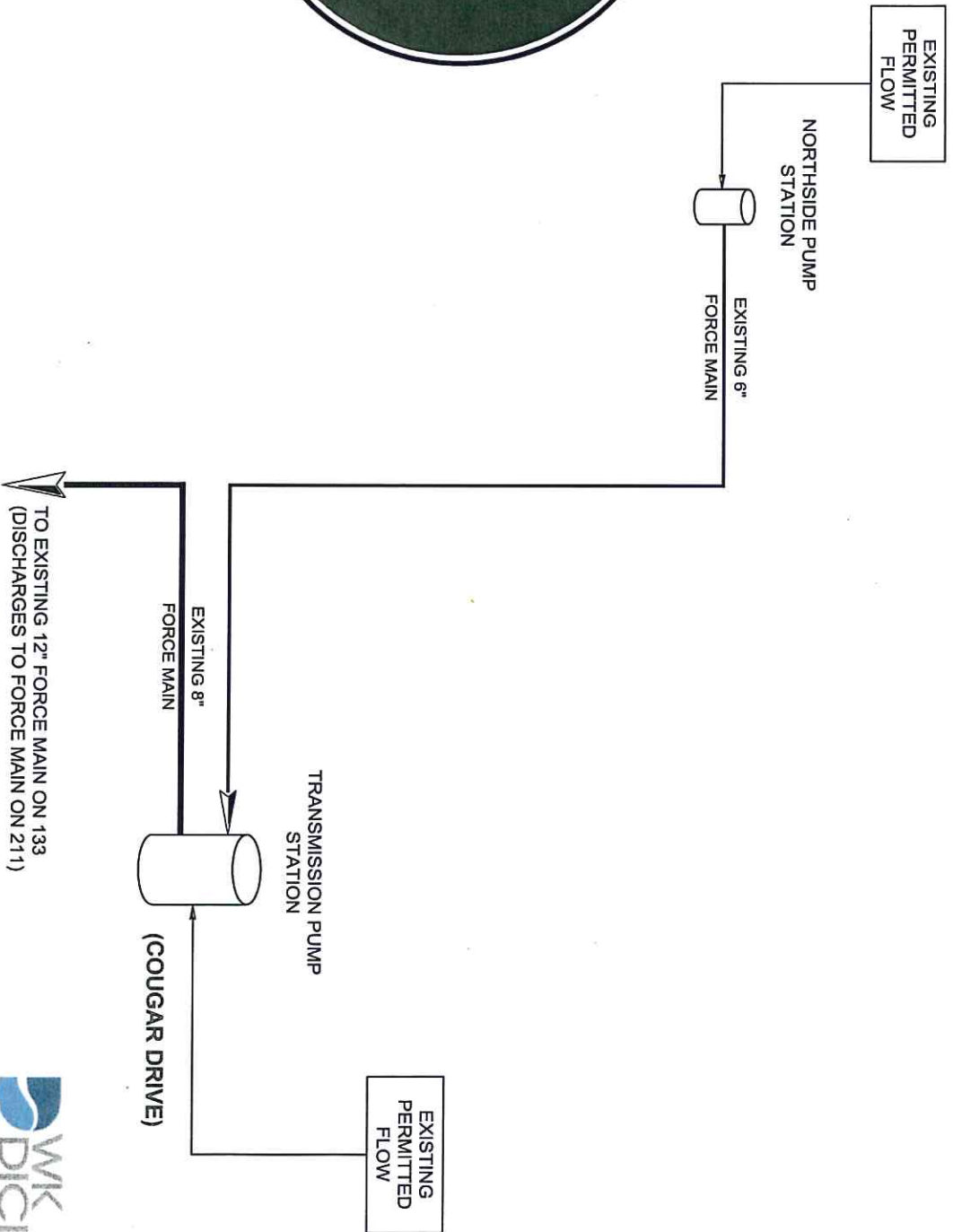
- Existing commercial sewer system serves George II Hwy corridor and county schools on Cougar Drive
- Completed in early 2014
- Special assessment district for planned unit and commercial development
- Existing flow allocations for parcels in SAD will not be affected by future sewer plan

Sewer master plan is a blueprint for sewer basins, routing, sizing, pump station locations, and cost to serve the entire City



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EXISTING CONDITION S FLOW DIAGRAM



OCEAN HWY 1

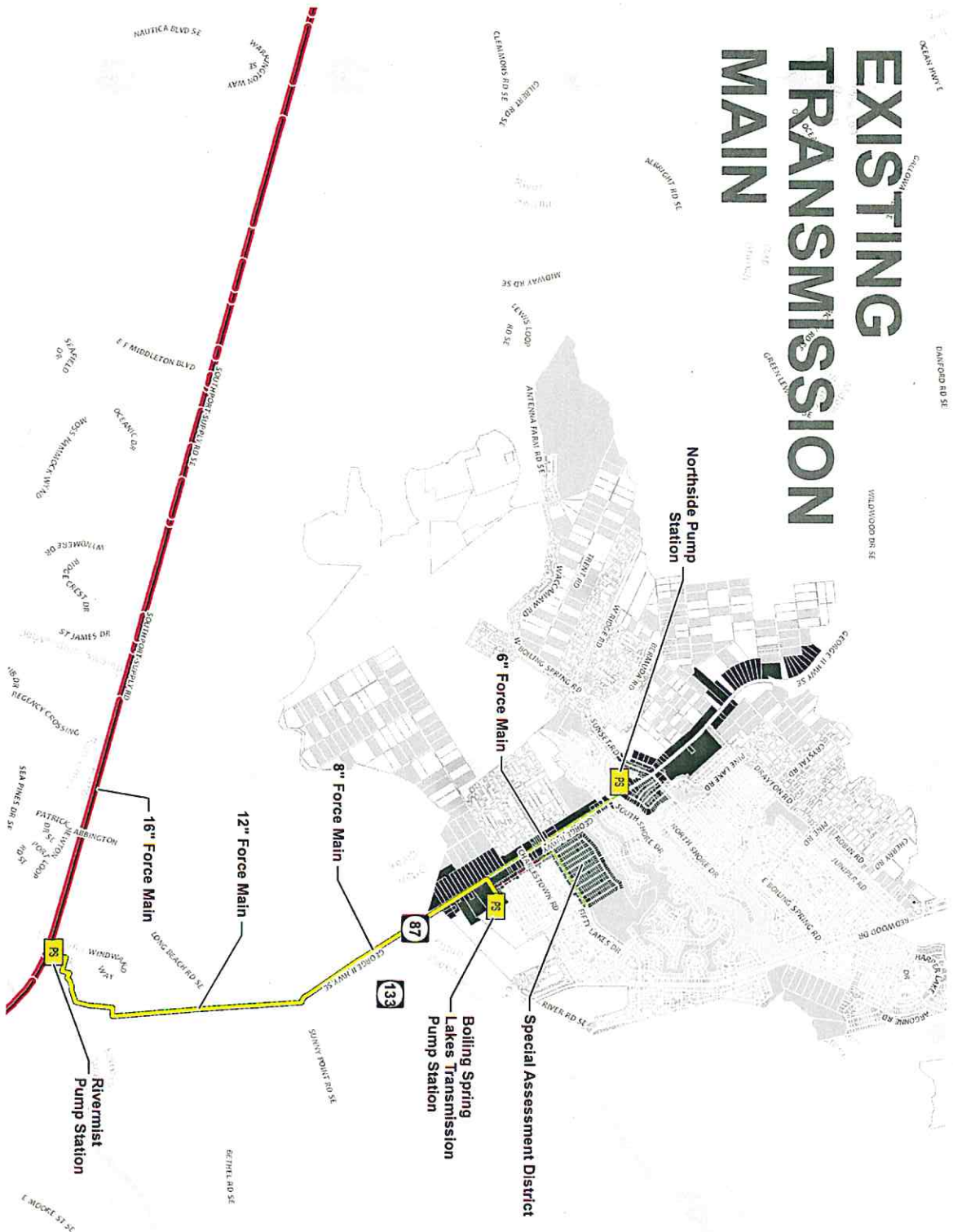


A circular logo with a dark green background and a white border. The text "SEWER BASIN FLOW DIAGRAM (FULL BUILDOUT)" is written in white, bold, sans-serif capital letters, arranged in five lines and centered within the circle.

**SEWER
BASIN FLOW
DIAGRAM
(FULL
BUILDOUT)**

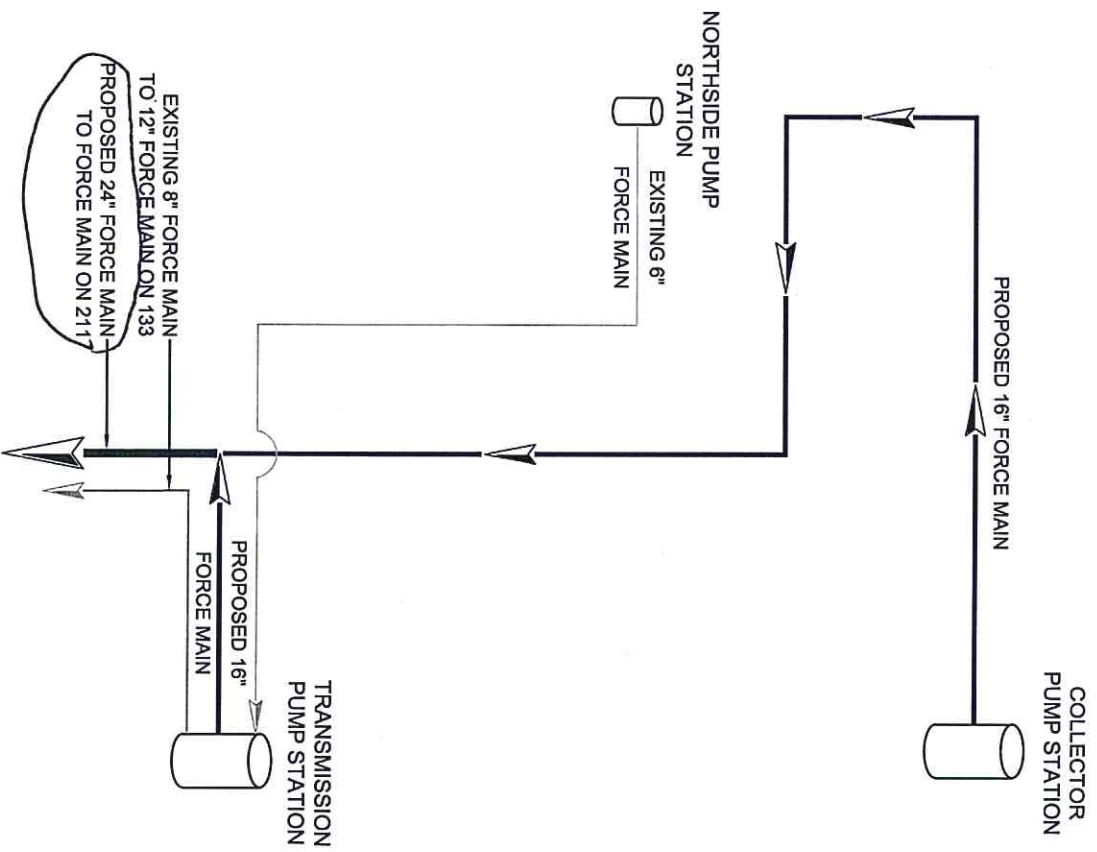


EXISTING TRANSMISSION MAIN



Legend	
—	Transmission Force Main
—	211 Force Main
—	Existing Force Main
—	6-inch
—	8-inch
—	Existing Sewage Lift Stations
—	Parcels with Sewer Available

PROPOSED FORCE MAIN SIZING



COST ESTIMATE

2020 Dollars	
Low-Pressure Collection System	\$ 34,540,000
Collector Pump Stations and Transmission Force Main to NC 211	\$ 9,834,000
Construction Cost Subtotal	\$ 44,374,000
Easement/Mitigation	\$ 150,000
Professional Services	\$ 5,300,000
Total Project	\$ 49,824,000

FUNDING NEW SEWER COLLECTION SYSTEM

- Special Assessment Districts (SAD)
- Enterprise Funded (Limited)

CITY OF BOILING SPRING LAKES SEWER MASTER PLAN

QUESTIONS??