

Project Updates



Town of Beaufort

November 22, 2021

Active Projects

16 Active Projects (October)

- 1 Parks & Recreation
- 5 Street and Pedestrian Improvements
- 7 Utility
 - 1 Water
 - 5 Sewer
 - 1 Water & Sewer
- 2 Stormwater
- 1 Building

Active Projects

15

16 Active Projects (Today)

- 1 Parks & Recreation
- 5 Street and Pedestrian Improvements
- 7 Utility
 - 1 Water
 - 5 Sewer
- 1 Water & Sewer
- 2 Stormwater
- 1 Building

1



Active Projects

(1 through 8)

- Cedar Street Park
 - FY20 Street Rehabilitation & Construction
 - Turner Street 100 Block Pedestrian Improvements
 - Town Wide Sidewalks (Part 5-FY20 Street Rehabilitation & Construction)
 - Downtown Parking
 - Turner Street – Broad Street Traffic Calming Improvements
 - Campen Road Waterline Extension/Upgrade
 - USDA Funded Utility Project (Water, Sewer & Stormwater)
-



Active Projects

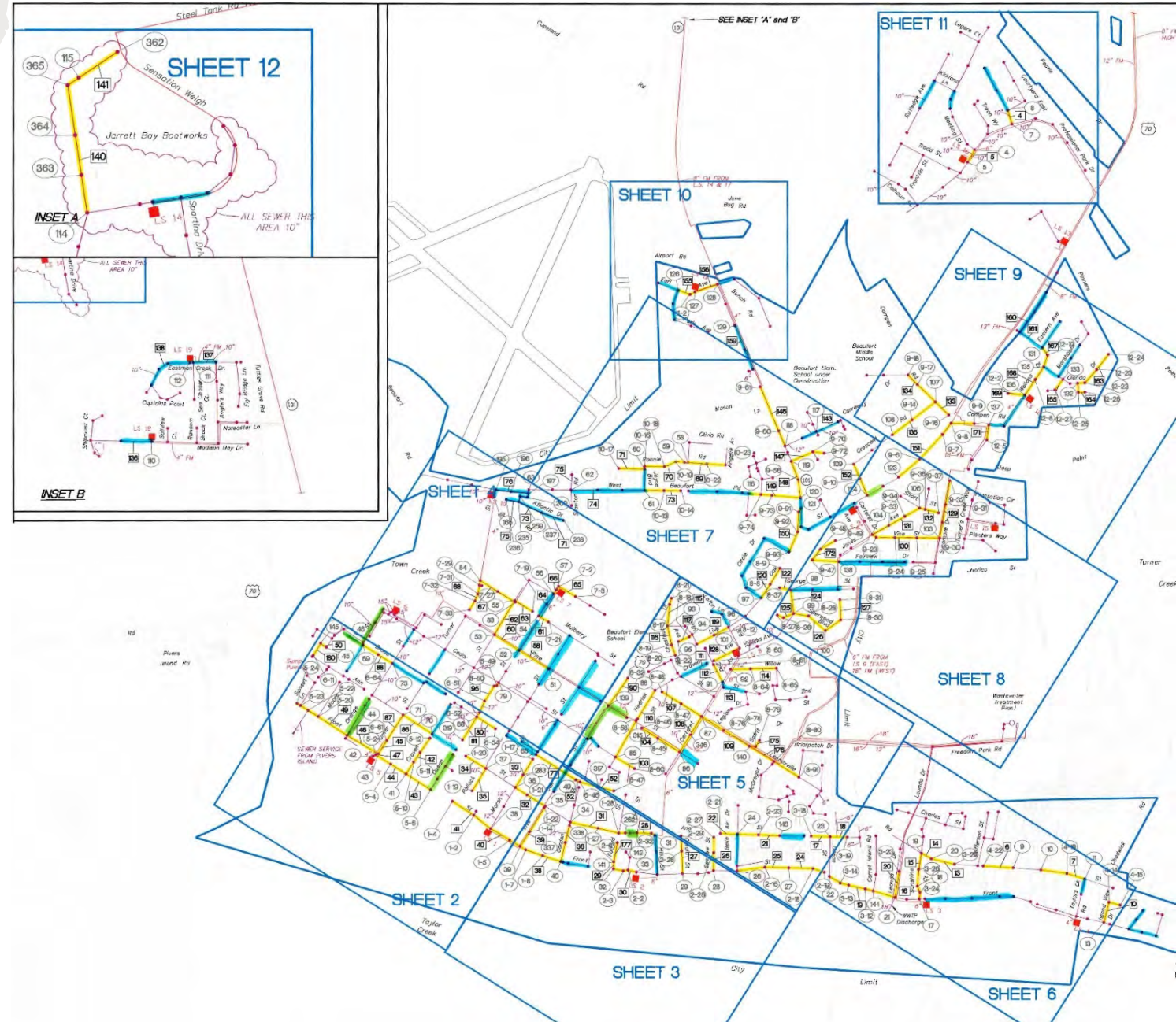
(9 through 16)

- Wastewater Asset Inventory Assessment
 - High-Rate Infiltration System Permit Reacquisition
 - ECHS Sewer Pumping Issue Investigation
 - Wastewater Design Unit Flow Reduction Request
 - PruittHealth Sewer Service Construction
 - Meeting Street Drainage Improvements
 - ~~Lennoxville Road Pond Bank Stabilization & Culvert Replacement~~
 - Fire Station No. 2 Renovation
-

USDA-Funded Utility Project (Water, Sewer & Stormwater)

October Report

- Mid-November 25 percent design meeting

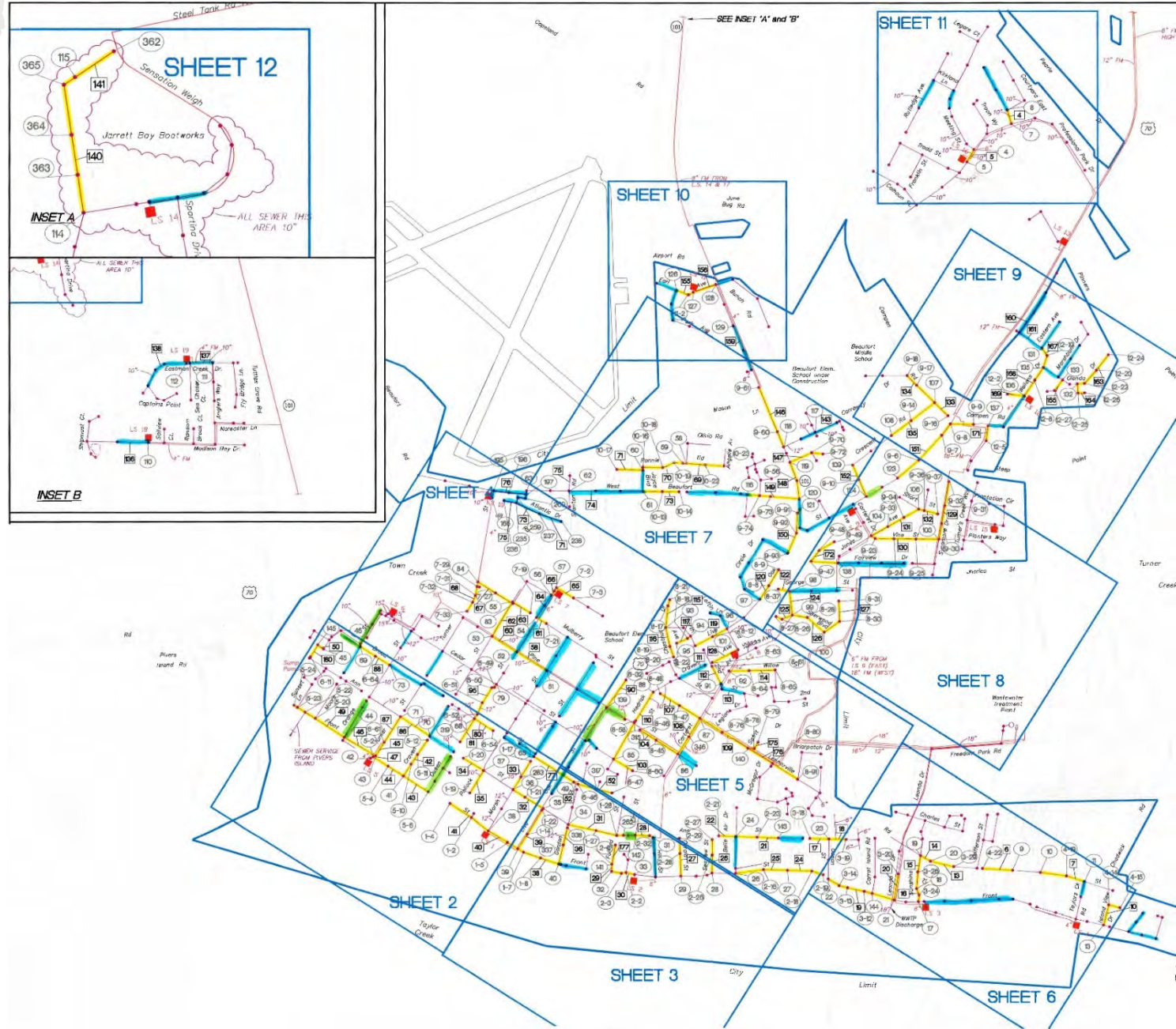


USDA-Funded Utility Project (Water, Sewer & Stormwater)

October Report

- Mid-November 25 percent design meeting

Week of November 29th





Campen Road Water Line Extension

- Remaining Work
 - Pavement Patching
 - Pressure Testing
 - Disinfection
 - Certification

Wastewater Design Unit Flow Reduction Request

- Goal
 - Approval to use more accurate daily sewage flow design rate
 - Obtain from NC Department of Environmental Quality

(e) The Director may determine that a disposal system shall not be deemed to be permitted in accordance with this Rule or other Permitted By Regulation rules in this Subchapter and require the disposal system to obtain an individual permit or a certificate of coverage under a general permit. This determination shall be made based on existing or projected environmental impacts, compliance with the provisions of this Rule or other Permitted By Regulation rules in this Subchapter, and the compliance history of the facility owner.

History Note: Authority G.S. 130A-300; 143-215.1(a)(1); 143-215.1(b)(4)(e); 143-215.3(a);
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15A NCAC 02T .0114 WASTEWATER DESIGN FLOW RATES

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(b) In determining the volume of sewage from dwelling units, the flow rate shall be 120 gallons per day per bedroom. The minimum volume of sewage from each dwelling unit shall be 240 gallons per day and each additional bedroom above two bedrooms shall increase the volume by 120 gallons per day. Each bedroom or any other room or addition that can function as a bedroom shall be considered a bedroom for design purposes. When the occupancy of a dwelling unit exceeds two persons per bedroom, the volume of sewage shall be determined by the maximum occupancy at a rate of 60 gallons per person per day.

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Warehouse	100 gal/loading bay
Warehouse – self storage (not including caretaker residence)	1 gal/unit
Churches	
Churches without kitchens, day care or camps	3 gal/seat
Churches with kitchen	5 gal/seat
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Fire, rescue and emergency response facilities	
Fire or rescue stations without on site staff	25 gal/person
Fire or rescue stations with on-site staff	50 gal/person/shift
Food and drink facilities	
Banquet, dining hall	30 gal/seat
Bars, cocktail lounges	20 gal/seat
Caterers	50 gal/100 sq ft floor space
Restaurant, full service	40 gal/seat
Restaurant, single service articles	20 gal/seat
Restaurant, drive-in	50 gal/car space
Restaurant, carry out only	50 gal/100 sq ft floor space
Institutions, dining halls	5 gal/meal
Deli	40 gal/100 sq ft floor space
Bakery	10 gal/100 sq ft floor space
Meat department, butcher shop or fish market	75 gal/100 sq ft floor space

Wastewater Design Unit Flow Reduction Request

- Goal
 - Approval to use more accurate daily sewage flow design rate
 - Obtain from NC Department of Environmental Quality
- Allocations of capacity become more realistic
 - Time to a WWTP expansion lengthened

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Institutions, dining halls	5 gal/meal
Deli	40 gal/100 sq ft floor space
Bakery	10 gal/100 sq ft floor space
Meat department, butcher shop or fish market	75 gal/100 sq ft floor space

Wastewater Design Unit Flow Reduction Request

- October Update

- Assembled WWTP flowmeter calibration records
- Documented past infiltration & inflow studies and corrective actions
- Compiled daily WWTP influent flow records from 2018 to present

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Wastewater Design Unit Flow Reduction Request

- Since October update
 - Determined number of sewer customers
 - > Month-by-month basis
 - > Residential vs. Non-residential

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Wastewater Design Unit Flow Reduction Request

- Underway
 - Deeper dive into billing records
 - > Individual usage data
 - + Heavy commercial/industrial accounts

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Wastewater Design Unit Flow Reduction Request

- Next
 - Design flow rate determination
 - Formalize request to NCDEQ

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Lennoxville Road Pond

- July Update
 - Bank Stabilization



Lennoxville Road Pond

- July Update
 - Bank Stabilization





Lennoxville Road Pond

- November Completion
 - Culvert Replacement



Project Complete

Lennoxville Road Pond

- November Completion
 - Culvert Replacement

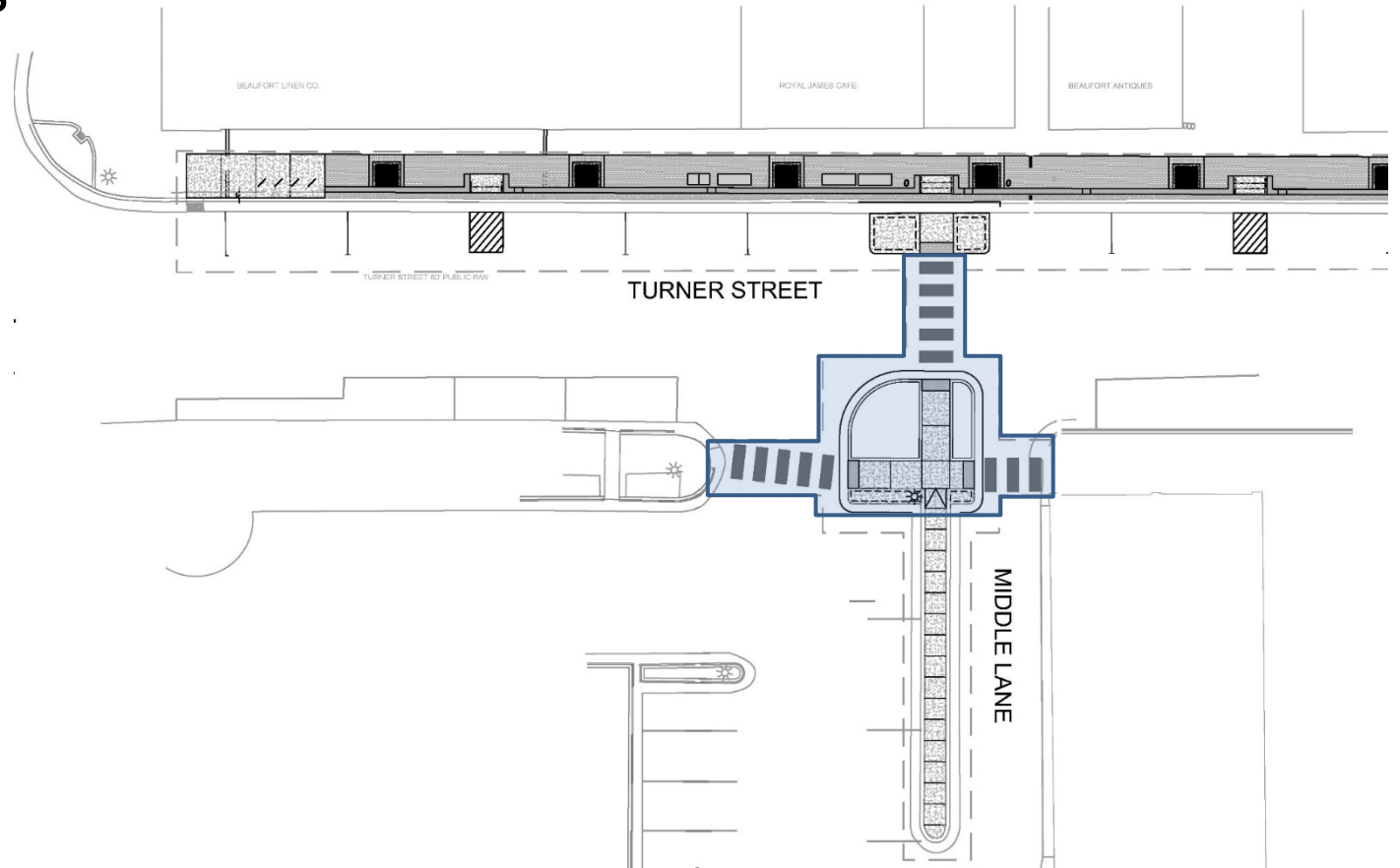


Turner Street 100 Block Pedestrian Improvements

“Mid-block” crossings complete

Turner Street 100 Block Pedestrian Improvements

- Middle Lane crossing remains





Downtown Parking

- Parking space markings
 - Nearly complete
 - Punch list



Miscellaneous

- Four-way stops
 - Pine – Pollock Intersection
 - Mulberry – Pollock Intersection



Miscellaneous

- Crosswalk
Remarking
 - Staff Performed
 - 46 Crosswalks
 - 10 Stop Bars

Project Updates

QUESTIONS?

COMMENTS?

