



City of Wilson

Spring 2022 DWSRF Grant/Loan Application

April 29, 2022

Prepared by:
Kyle F. Manning, PE
Civil Engineer III
City of Wilson



North Carolina Department of Environmental Quality
Division of Water Infrastructure
Application for Funding



(Last updated: February 2022)

1. General Information

Applicant Name City of Wilson	County Wilson	DUNS Number 847638251
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Project Name 24" Replacement – Main Goldsboro – Phase II (Loop)	Federal Tax ID # 56-6000240	PWSID # (if applicable) Water System No. 04-98-010 WSMP: 00-1-01864
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Applicant Type	Total Project Cost	Funding Amount Requested
<input checked="" type="checkbox"/> Municipality <input type="checkbox"/> County <input type="checkbox"/> Water and Sewer District <input type="checkbox"/> Water and Sewer Authority <input type="checkbox"/> Sanitary District <input type="checkbox"/> Non-Profit Water Corporation <input type="checkbox"/> Other (Specify:)	\$3,723,080	\$3,723,080

Funding Type(s) Requested

<input type="checkbox"/> Asset Inventory and Assessment (AIA) Grant	<input checked="" type="checkbox"/> Construction Project
<input type="checkbox"/> Merger/Regionalization Feasibility (MRF) Grant	↳ <input checked="" type="checkbox"/> Drinking Water
<input type="checkbox"/> Pre-Construction Planning Grant (without construction)	↳ <input type="checkbox"/> Wastewater
<input type="checkbox"/> Other: _____	↳ <input type="checkbox"/> CWSRF Green Project: stream restoration, stormwater BMP, reclaim water

Acceptance of Funding Offer (for Construction Projects only)

These questions will be used to identify the best funding fit. Funding from the American Rescue Plan Act (ARPA) is available as grants, and principal forgiveness is available from the State Revolving Funds.

1. I am willing to accept funding that includes federal conditions. Yes No
2. I will only accept a funding offer (loan and/or grant) if a minimum of \$0 is offered as a grant or principal forgiveness. *Enter \$0 if you are willing to accept a loan offer with no grant or principal forgiveness.*
3. Because of the potential hardship related to a State Revolving Fund and/or State Reserve Program loan, this application seeks to replace the \$ _____ loan awarded to the Insert Project Name (Insert project number) with grant funding. *Note: loans that have already received disbursements are not eligible.*

2. System Parameters

Residential Sewer Connections 20,672	Residential Water Connections 22,796
Non-Residential Sewer Connections 1,869	Non-Residential Water Connections 2,082
Monthly Sewer Bill per 5,000 gallons 45.45	Monthly Water Bill per 5,000 gallons 38.16

Percentage of Utility Bills Collected and Rate Increase Percentages

Year	Percentage of Utility Bills Collected	Rate Increase Percentage
2021	97.82	2%
2020	99.05	0%
2019	99.15	0%
2018	98.59	0%
2017	99.22	0%

(OVER)

3. Applicant Contact Information**Authorized Representative Name:** W.T. Bass, IV**Authorized Representative Title:** Public Works Director**Mailing Address Line 1:** PO Box 10**Mailing Address Line 2:****City:** Wilson**State:** NC**Zip Code:** 27893**Physical Address Line 1:****Physical Address Line 2:****Physical Address City:****Physical Address State:****Physical Address Zip Code:****Phone Number:** 252-399-2467**E-Mail Address:** bbass@wilsonnc.org**4. Application Preparer Contact Information****Firm Name:** City of Wilson**Contact Name:** Kyle Manning**Mailing Address Line 1:** PO Box 10**Mailing Address Line 2:****City:** Wilson**State:** NC**Zip Code:** 27893**Physical Address Line 1:****Physical Address Line 2:****Physical Address City:****Physical Address State:****Physical Address Zip Code:****Phone Number:** 252-296-3416**E-Mail Address:** kmanning@wilsonnc.org**5. Engineer Contact Information**Is the engineering firm different from the application preparer? Yes No**Engineering Firm Name:** HDR, Inc.**Contact Name:** Mary Brice**Mailing Address 1:** 555 Fayetteville St**Mailing Address 2:** Suite 900**City:** Raleigh**State:** NC**Zip Code:** 27601**Physical Address Line 1:****Physical Address Line 2:****Physical Address City:****Physical Address State:****Physical Address Zip Code:****Phone Number:** 919-900-1636**E-Mail Address:** mary.brice@hdrinc.com

6. Project Description (see Instructions)

The Phase II Goldsboro Water Main Replacement project (Project WR-04 in the approved CIP) consists of the replacement of approximately 3,500 LF of 24” steel watermain, approximately 2,200 LF of 16” steel watermain, and 1,200 LF of 12” asbestos cement watermain on Goldsboro, Ward, and US-301. The steel watermains were originally installed between 1960 and 1961. The asbestos cement watermain is estimated to be installed sometime in the 1950’s.

City staff have responded to numerous watermain breaks along both steel watermains over the past several years.

The City is requesting funding for the design and construction of an in-kind replacement of the entire water main loop to minimize the potential for future breaks and increase reliability of water service in Wilson.

Estimated number of new connections served by project (if applicable):

0


For Construction Projects and Pre-Construction Planning Grants only:

- The proposed project is a result of an Asset Inventory and Assessment Grant previously awarded by the Division?
- The proposed project is a result of a Merger / Regionalization Feasibility Grant previously awarded by the Division?
- None of the above.

7. Additional Information for Consideration

(OVER)

Ba. Project Budget (for Construction Projects and Pre-Construction Planning Grants only)

	Division Funding Requested	Other Secured Funding Source(s)	Total Cost Amount
Indicate construction costs by line item (e.g., linear feet of different-sized lines) see attachment			
Construction Costs			
24" Replacement – Main Goldsboro – Phase II (Loop)	\$2,972,800.00		\$2,972,800.00
<i>Contingency (10% of construction costs):</i>	\$297,280.00		\$297,280.00
Construction Subtotal:	\$3,270,080.00	\$0.00	\$3,270,080.00
Engineering Costs			
Engineering Design	\$163,500.00		\$163,500.00
Permitting	\$16,400.00		\$16,400.00
Land Surveying Costs	\$20,000.00		\$20,000.00
Engineering Subtotal:	\$199,900.00	\$0.00	\$199,900.00
Administration Costs			
Planning (pre-construction costs)	\$0.00		\$0.00
Easement Preparation	\$0.00		\$0.00
Engineering Report Preparation	\$0.00		\$0.00
Environmental Documentation Preparation (if applicable)	\$0.00		\$0.00
Legal Costs	\$7,200.00		\$7,200.00
Compensation for Connection Fees and System Development Fees that will not be charged after connecting residences in disadvantaged, underserved areas (if applicable)	\$0.00		\$0.00
Project Funding Administration (if applicable)	\$11,500.00		\$11,500.00
Other:	\$0.00		\$0.00
Other: Construction Administration	\$55,800.00		\$55,800.00
Other: Construction Observation	\$178,600.00		\$178,600.00
Administration Subtotal:	\$253,100.00	\$0.00	\$253,100.00
TOTAL PROJECT COST:	\$3,723,080.00	\$0.00	\$3,723,080.00
<p>A Professional Engineer signature and seal for the estimate <i>must be provided</i> in the space to the right for the application to be considered complete.</p>			

8b. Project Budget (for AIA and MRF grants, and training and/or rate study components to other projects)	
	Division Funding Requested
TOTAL DIVISION FUNDING REQUESTED:	

(OVER)

Certification by Authorized Representative

The attached statements and exhibits are hereby made part of this application, and the undersigned representative of the Applicant certifies that the information in this application and the attached statements and exhibits are true, correct, and complete to the best of his/her knowledge and belief. By initialing each item and signature at the end of this application, he/she further certifies that:

WTB

1. as Authorized Representative, he/she has been authorized to file this application by formal action of the governing body;

WTB

2. the governing body agrees to provide for proper short-term and long-term maintenance and operation of the approved project after its completion;

WTB

3. the Applicant has substantially complied with or will comply with all federal, state, and local laws, rules, and regulations and ordinances as applicable to this project;

WTB

4. the Applicant will adopt and place into effect on or before the completion of the project a schedule of fees and charges which will provide for the adequate and proper operation, maintenance, and administration and repayment of all principal and interest on loans (if applicable) of the project;

WTB

5. the Applicant has followed proper accounting and fiscal reporting procedures, as evidenced by the Applicant's most recent audit report, and that the Applicant is in substantial compliance with provision of the general fiscal control laws of the State;

WTB

6. the Project Budget for construction projects and pre-construction planning grants provided in this application form (if applicable) includes all funding requested from all sources of funding proposed for this project;

WTB

7. the City of Wilson, North Carolina is organized and chartered under the laws of North Carolina, or the special purpose unit of local government is incorporated under the laws of North Carolina. All officials and employees are aware of, and in full compliance with NCGS 14-234, "Public officers or employees benefiting from public contracts; exceptions." (For units of local government only. All others should initial "N/A");

WTB

8. the Applicant acknowledges that all loans, and Viable Utility Reserve grants, are subject to approval by the Local Government Commission;

WTB

9. the Applicant acknowledges that, in accordance with G.S. 120-157.2, for local government debt to be issued greater than \$1,000,000, the local government must report to Committee Chairs, Committee Assistant, and the Fiscal Research Division of the General Assembly at least 45 days prior to presentation before the Local Government Commission (For units of local government only. All others should initial "N/A"); and

WTB

10. if the Applicant receives a grant with American Rescue Plan Act (ARPA) State Fiscal Recovery Funds, the Applicant acknowledges and accepts the following conditions:

a) all ARPA project funds must be reimbursed by December 31, 2026;

b) project funds will not be used to pay existing debt or as a match for other federal funds;

c) if the project is also funded with other federal funds, the federal requirements of the other funds will apply to the ARPA funds; and

d) for projects receiving ten million dollars or more in ARPA funding: recipients must certify or provide plans and reports meeting federal requirements on reporting on prevailing wage rates, project labor agreements, and related information as specified in the U.S. Treasury's *Compliance and Reporting Guidance for the State and Local Fiscal Recovery Funds* (pages 21-22).

Completeness Checklist

In addition to this application, the following items must be included for a complete application package. Incomplete applications will not be considered. Please initial that each item is included in this submittal.

- | | |
|------------|---|
| <u>NTB</u> | Resolution by Governing Body of Applicant with Certification by Recording Officer* |
| <u>NTB</u> | Water & Sewer Financial Information Form* |
| <u>NTB</u> | Fund Transfer Certification* |
| <u>NTB</u> | Applicable Priority Rating System Form* with supporting narratives and documentation |
| <u>NTB</u> | Affordability Calculator* or handwritten affordability calculations |
| <u>NTB</u> | Current rate sheets in effect on application deadline (for <u>both</u> water <u>and</u> sewer if the utility provides both water and sewer, or for water or sewer depending on the utility service) |
| <u>NTB</u> | PE Seal on project budget (construction projects and pre-construction planning grants only. All others initial "N/A") |
| <u>N/A</u> | Supporting documentation/maps for construction projects that connect residences in disadvantaged, underserved areas to water/wastewater utility (if applicable. If not applicable, initial "N/A") |

* Forms and templates are available separately on the [Division's website](#).

** For each application, please provide copies that are bound (e.g., report cover with fasteners, plastic report combs, spiral or 3-ring binders). No paper clips, staples or binder clasps. **

Submittal Information

- Send one (1) original hard copy and one (1) electronic copy of the Application.

Send complete Application package to:

Mailing Address† (US Postal Service only)

Division of Water Infrastructure
1633 Mail Service Center
Raleigh, NC 27699-1633

Physical Address (FedEx, UPS)‡

Division of Water Infrastructure – 8th Floor, Archdale Building
512 North Salisbury Street
Raleigh, NC 27604
919.707.9160

†Please allow two weeks for delivery if mailing via the US Postal Service.

‡For all courier services, please use the physical address, as having a courier deliver to the mailing address will delay package delivery.

Application Signature

Please note: original signatures are required for each application.



SIGNATURE OF AUTHORIZED REPRESENTATIVE

W.T. Bass, IV
TYPED NAME

, Public Works Director/City Engineer ,

TYPED TITLE

4/29/2022

DATE

Resolution by City Council

R-013-22

RESOLUTION BY CITY COUNCIL OF THE CITY OF WILSON, NORTH CAROLINA

WHEREAS, The Federal Clean Water Act Amendments of 1987 and the North Carolina the Water Infrastructure Act of 2005 (NCGS 159G) have authorized the making of loans and grants to aid eligible units of government in financing the cost of construction of wastewater collection system improvements, drinking water distribution system improvements, and studies of the wastewater collection system, and

WHEREAS, The City of Wilson has the need for and intends to replace the existing wastewater collection system outfall gravity lines identified as The Lower Bloomery and Old Fields Outfall Sewer Lines, and

WHEREAS, The City of Wilson has the need for and intends to replace and/or rehabilitate the existing drinking water distribution system lines identified as The Steel Water 24-Inch Line Replacement Phase II, and

WHEREAS, The City of Wilson has the need for and intends to conduct a condition study assessment, capacity evaluations, risk assessments, and overall planning elements including the refinement of the capital improvement plans on the wastewater collection system, and

WHEREAS, The City of Wilson intends to request State loan and grant assistance for the projects,

NOW THEREFORE BE IT RESOLVED, BY THE CITY COUNCIL OF THE CITY OF WILSON

That City of Wilson will arrange financing for all remaining costs of the project, if approved for a State loan or grant award.

That the City of Wilson will adopt and place into effect on or before completion of the project a schedule of fees and charges and other available funds which will provide adequate funds for proper operation, maintenance, and administration of the system and the repayment of all principal and interest on the debt.

That the governing body of the City of Wilson agrees to include in the loan agreement a provision authorizing the State Treasurer, upon failure of the City of Wilson to make scheduled repayment of the loan, to withhold from the City of Wilson any State funds that would otherwise be distributed to the local government unit in an amount sufficient to pay all sums then due and payable to the State as a repayment of the loan.

That the City of Wilson will provide for efficient operation and maintenance of the project on completion of construction thereof.

That W.T. Bass, IV, the **Authorized Official**, and successors so titled, is hereby authorized to execute and file an application on behalf of the City of Wilson with the State of North Carolina for a loan and or grant to aid in the study of and construction of the projects described above.

That the **Authorized Official**, and successors so titled, is hereby authorized and directed to furnish such information as the appropriate State agency may request in connection with such application or the project: to make the assurances as contained above; and to execute such other documents as may be required in connection with the application.

That the City of Wilson has substantially complied or will substantially comply with all Federal, State, and local laws, rules, regulations, and ordinances applicable to the project and to Federal and State grants and loans pertaining thereto.

Adopted this the April 21, 2022 at Wilson, North Carolina.



Carlton L. Stevens, Mayor

ATTEST:




Tonya A. West, City Clerk



CERTIFICATION BY RECORDING OFFICER

The undersigned duly qualified and acting Clerk of the City of Wilson does hereby certify: That the above/attached resolution is a true and correct copy of the resolution authorizing the filing of an application with the State of North Carolina, as regularly adopted at a legally convened meeting of the City Council of the City of Wilson duly held on the 21st day of April 2022; and, further, that such resolution has been fully recorded in the journal of proceedings and records in my office. IN WITNESS WHEREOF, I have hereunto set my hand this 21st day of April, 2022.



Tonya A. West, City Clerk – City of Wilson



Priority Rating System

Priority Rating System Score Sheet for Drinking Water Projects

PRIORITY RATING SYSTEM for Drinking Water Projects			
Instructions: For each line item, <u>mark "X" to claim the points for that line item</u> . Be sure that your narrative includes justification for every line item claimed. At the end of each Category, provide the total points claimed for each program in the subtotal row for that category. Then add the subtotals from each category and enter the Total of Points for All Categories in the last line. Note that some categories have a maximum allowed points that may be less than the total of individual line items.			
Line Item #	Category 1 – Project Purpose	Claimed Yes/No	Points
1.A	Project will consolidate a nonviable drinking water or wastewater utility		25
1.B	Project will resolve failed infrastructure issues		25
1.C	Project will rehabilitate or replace infrastructure	X	12
1.C.1	Treatment units, pumps and/or pump stations to be rehabilitated or replaced are greater than 20 years old, OR water/sewer lines, storage tanks, drinking water wells or intake structures to be rehabilitated or replaced are greater than 40 years old	X	8
1.D	Project will expand infrastructure		2
1.D.1	Treatment units, pumps and/or pump stations to be rehabilitated or replaced are greater than 20 years old, OR lines, storage tanks, drinking water wells or intake structures to be rehabilitated or replaced are greater than 40 years old		8
1.E – 1.H	Reserved for Other Programs		
Maximum Points for Category 1 – Project Purpose			25
Subtotal claimed for Category 1 – Project Purpose			20
Line Item #	Category 2 – Project Benefits	Claimed Yes/No	Points
2.A – 2.A1.	Reserved for Other Programs		
2.B	Project provides a specific public health benefit to a public water supply system by replacement, repair, or merger; includes replacing dry wells, addressing contamination of a drinking water source by replacing or additional treatment; or resolves managerial, technical & financial issues		20

Line Item #	Category 2 – Project Benefits (Continued)	Claimed Yes/No	Points
2.C	Reserved for Other Programs		
2.D	Project addresses promulgated but not yet effective regulations		10
2.E	Project directly addresses enforcement documents		
2.E.1	Project directly addresses an EPA Administrative Order for a local government Applicant located in a Tier 1 county, or addresses an existing or pending SOC, or a DEQ Administrative Order, OR		5
2.E.2	Project directly resolves a Notice of Violation or Notice of Deficiency		3
2.F	Project includes system merger		10
2.G	Project addresses documented low pressure		10
2.H	Project addresses contamination		
2.H.1	Project addresses acute contamination of a water supply source OR		15
2.H.2	Project addresses contamination of a water supply source other than acute OR		10
2.H.3	Project addresses an emerging compound without a MCL but above a health advisory level		7
2.I	Project improves treated water quality by adding or upgrading a unit process		3
2.J	Water loss in system to be rehabilitated or replaced is 30% or greater		3
2.K	Project provides a public water system interconnection		
2.K.1	Project creates a new interconnection between systems not previously interconnected OR		10
2.K.2	Project creates an additional or larger interconnection between two systems already interconnected which allows one system's public health water needs to be met during an emergency OR		10
2.K.3	Project creates any other type of interconnection between systems		5
2.L – 2.M	Reserved for Other Programs		

Line Item #	Category 2 – Project Benefits (Continued)	Claimed Yes/No	Points
2.N	Project provides resiliency for critical system functions		
2.N.1	Project relocates infrastructure from 100-year floodplain to outside 500-year floodplain OR		8
2.N.2	Project relocates infrastructure out of a floodplain OR		5
2.N.3	Project relocates infrastructure from between the 100-year and 500-year floodplains to outside the 500-year floodplain OR		3
2.N.4	Project fortifies or elevates infrastructure within floodplain OR		4
2.N.5	Project improves ability to assure continued operation during flood events OR		4
2.N.6	Project reduces the size of infrastructure as a result of a buyout or other abrupt loss of population OR		4
2.N.7	Project provides redundancy/resiliency for critical treatment and/or transmission/distribution system functions including backup electrical power source.		3
2.O – 2R	Reserved for Other Programs		
	Maximum Points for Category 2 – Project Benefits		35
	Subtotal claimed for Category 2 – Project Benefits		0
Line Item #	Category 3 – System Management	Claimed Yes/No	Points
3.A	Capital Planning Activities		
3.A.1	Applicant has implemented an Asset Management Plan as of the date of application OR	X	10
3.A.2	Applicant has a current Capital Improvement Plan (CIP) that spans at least 10-years and proposed project is included in the plan	X	2
3.B	System Operating Ratio is greater than or equal to 1.00 based on a current audit, or is less than 1.00 and unit cost is greater than 2.5%	X	5
3.C	Applicant has an approved Source Water Protection Plan and/or a Wellhead Protection Plan		5
3.D	Applicant has implemented a water loss reduction program		5

Line Item #	Category 3 – System Management (Continued)	Claimed Yes/No	Points
3.E	Applicant has implemented a water conservation incentive rate structure		3
	Maximum Points for Category 3 – System Management		15
	Subtotal claimed for Category 3 – System Management		15
Line Item #	Category 4 – Affordability	Claimed Yes/No	Points
4.A	Residential Connections		
4.A.1	Less than 10,000 residential connections OR		2
4.A.2	Less than 5,000 residential connections OR		4
4.A.3	Less than 1,000 residential connections		8
4.B	Current Monthly Combined Utility Rates at 5,000 Usage		
4.B.1	Greater than \$79 OR	X	4
4.B.2	Greater than \$90 OR		6
4.B.3	Greater than \$107 OR		8
4.B.4	Greater than \$129		10
4.C	Local Government Unit (LGU) Indicators		
4.C.1	3 out of 5 LGU indicators worse than state benchmark OR		3
4.C.2	4 out of 5 LGU indicators worse than state benchmark OR		5
4.C.3	5 out of 5 LGU indicators worse than state benchmark	X	7
4.D	Reserved for the CDBG Program		
4.E	Reserved for the CDBG Program		
	Maximum Points for Category 4 – Affordability		25
	Subtotal claimed for Category 4 – Affordability		11
Total of Points for All Categories			46

Project Narrative

City of Wilson – Water System Improvements

Watermain Replacement Project – Goldsboro Phase II – 24”

Line Item 1.C (Expand Infrastructure) and 1.C.1 (Expanded Especially Old Infrastructure)

The watermain replacement project consists of the design and replacement of approximately 3,500 LF of 24” steel watermain, approximately 2,200 LF of 16” steel watermain, and 1,200 LF of 12” asbestos cement watermain along Goldsboro, Ward, and US-301. The 24” steel watermain along Goldsboro (labeled as US 301-A on **Attachment 1**) and the 16” steel watermain were constructed in 1961. The 12” asbestos cement pipe is suspected of being constructed sometime in the 1950s or 1960s (GIS states 1950s but record drawings could not be found). The date on the plans is not completely legible, however, the cover page lists John D. Wilson as the mayor at the time the project was completed. Figure 1 shows all mayors from 1927 through today. John D. Wilson is listed as the Mayor from 1953-1965.

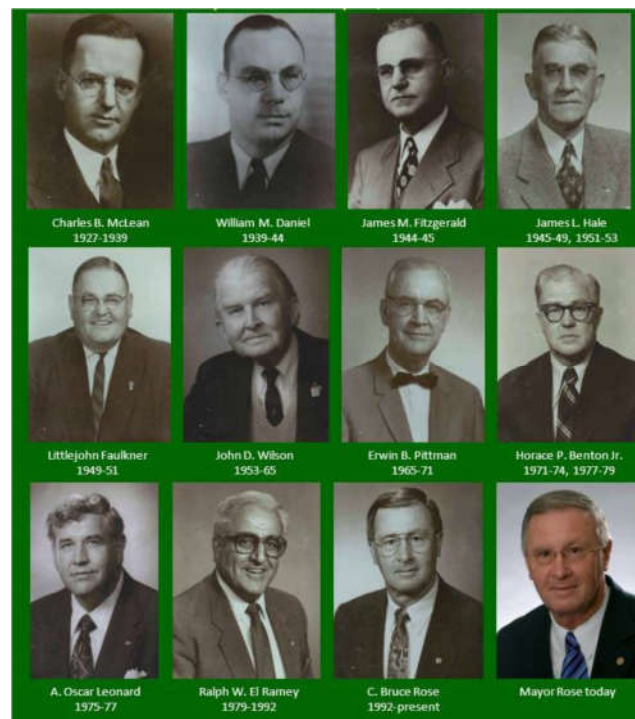


Figure 1: City of Wilson Mayors (1927 - Present)

The 24” steel watermain is a primary connection to the Wiggins Mill water plant and is a primary supplier of water to downtown businesses and residential buildings.

The size and capacity of the lines will not be increased.

All proposed lines will be installed parallel of the existing lines to maintain uninterrupted operation during construction. **However, the existing lines will be abandoned and either removed or have flowable fill injected once the new lines are operational.**

The replacement of 6,900 LF of watermain pipe aged approximately 61 years will help the City provide uninterrupted water to the City’s residents. The current watermain has experienced a significant number of leaks, resulting in emergency repairs over the last two years. **Attachment 2** contains a list of FixIt Tickets for the associated work orders.

Construction plans have not been created as design has not been completed.

Line Item 3.A.1 – Applicant has implemented an Asset Management Plan

The City of Wilson has implemented a combined water and sewer asset management plan. The plan addresses the collection system, the water distribution system, and all associated treatment works. A 10-year CIP is also included as part of the plan. Additional details and a copy of the entire asset management plan is included in the submittal packet and on the flash drive.

Inventory of assets including maps

The City has a complete inventory of all assets including maps in GIS of all known assets for the water collection system and water treatment facilities. **Attachment 3** provides a highlight of the project area and a random location downtown showing the extent of the available data.

Assessment of the condition of the infrastructure in the inventory

Currently, the City of Wilson uses age of infrastructure for a proxy of condition. Specifically, Table 1 outlines the scoring matrix:

Table 1: Current Condition Assessment

Age of Materials	Years Built	Condition Assessment
< 10 years	2013 - 2022	Great
< 20 years but > 10 years	2003 - 2012	Good
< 30 years but > 20 years	1993 - 2002	Fair
< 40 years but > 30 years	1983 - 1992	Poor
> 40 years	1900 - 1982	Failing

Additional information on future processes for determining condition assessment is included in the Asset Management Plan. The watermain project described in this application is greater than forty years old, thus is rated as failing using our current methodology.

A capital improvement plan (CIP) with projected cost estimates

A new capital improvement was adopted by City Council on April 21, 2022 for a 10-year timeframe and include costs estimates for the first five years. The watermain replacement project described in this application is referenced as Project Number WR-01 “24” Replace – Main Goldsboro – Phase II (Loop)” within the CIP document. The CIP document and supporting material are included in **Attachment 4**.

An operation and maintenance plan to ensure proper management of the assets

The City of Wilson has a robust operations and maintenance plan. For the collection and distribution system, the City has standard procedures and processes from the review, construction inspection, and acceptance of new infrastructure through the Engineering Division detailed in the City of Wilson Specification Manual (**Attachment 5**). After new lines are accepted, the Water Infrastructure division handles routine operation and maintenance of the system, which includes an annual valve turning program (contracted through Xylem), two crews flushing/cleaning gravity sewers with three City owned Vac Trucks, and a crew dedicated to CCTV inspection of cleaned lines and of problem areas identified through the City’s work order system (FixIt). Additionally, the City of Wilson Fire Department assists with the flushing and maintenance of the hydrants including a hydrant exercise schedule and flow and pressure testing on all hydrants once every five years. The pump stations, water tanks, and other mechanical components of the collection system are maintained by Water Resources from the water plant and wastewater plant staff as appropriate.

The Wiggins Mill and Toisnot Water Treatment Plants and the Hominy Creek Water Reclamation Facility utilize the Antero CMMS (Computerized Maintenance Management Software) for all of its preventative maintenance needs. See **Attachment 6** for a sample of the CMMS display to the operators. The system has new equipment entered while automatically generating preventative maintenance tasks. Equipment manuals are available within the system and hard copies are located in the Operations and Maintenance Supervisors office.

There are five elevated drinking water storage tanks in the single pressure zone system, each capable of holding one million gallons of water. The construction years are 1939, 1964, 1977, 2000, and 2004. Every two years, cleaning and inspections of the interiors of the tanks is accomplished. Painting of the interiors is accomplished every 12-15 years, while every 9-12 years, the exteriors are cleaned and painted.

In addition to the treatment facilities, Water Reclamation Facility staff operate and maintain the twenty-one off-site wastewater pump stations that transport wastewater via the collection system to the treatment facility. Maintenance of these pump stations includes weekly site visits, exercising the generators under load once per month, regular service as prescribed by the manufacturers and tracked through the CMMS. Additionally, the staff also maintain the two elevated reclaim water storage tanks. One tank holds 0.25 MG and the other tank holds 1.0 MG. There are currently over 500 pieces of equipment at the wastewater pump stations and elevated reclaim water storage tanks that are being monitored and maintained with Antero CMMS.

Line Item 3.B – System Operating Ratio greater than or equal to 1.00

For FY 2021, the City has an OR greater than one as shown in the calculation below from the information in the Financial Information Form. Additionally, the five-year average is also greater than 1.00.

$$OR = \frac{\textit{Operating Revenues}}{\textit{(Total Expenditures + Debt Principal + Interest + Capital Outlay)}}$$

$$OR = \frac{\$28,215,709}{(\$18,264,013 + \$3,542,700 + \$404,651 + \$4,762,411)}$$

$$OR = 1.05$$

Attachment 7 provides certified copies of all financial forms.

Line Item 4.B – Current Monthly Utility Rate at 5,000 Gallons

Supporting calculation:

Base Rate for Water (3/4" Meter) = \$12.00 per month

Water Use Rate (0 – 50 ccf) = \$3.91 per ccf

Base Rate for Sewer (3/4" Meter) = \$13.00 per month

Base Use Rate = \$5.40 per ccf

Sewer usage assumed to be 90% of water usage

$$\text{Water Usage (ccf)} = 5,000 \frac{\text{gallons}}{\text{month}} * \frac{1 \text{ CF}}{7.48 \text{ gallons}} * \frac{\text{CCF}}{100 \text{ CF}} = 6.68 \text{ ccf/month}$$

$$\text{Water Charge per month (\$)} = \$12.00 + \frac{\$3.91}{\text{ccf}} * \frac{6.69 \text{ ccf}}{\text{month}} = \frac{\$38.16}{\text{month}}$$

$$\text{Sewer Usage (ccf)} = 0.9 * 5,000 \frac{\text{gallons}}{\text{month}} * \frac{1 \text{ CF}}{7.48 \text{ gallons}} * \frac{\text{CCF}}{100 \text{ CF}} = 6.01 \text{ ccf/month}$$

$$\text{Sewer Charge per month (\$)} = \$13.00 + \frac{\$5.40}{\text{ccf}} * \frac{6.01 \text{ ccf}}{\text{month}} = \frac{\$45.45}{\text{month}}$$

Total Water and Sewer Bill for 5,000 Gallons = \$38.16 (water) + \$45.45 (sewer) = \$83.61

Attachment 8 provides a certified copy of utility rates for the current fiscal year.

Line Item 4.C.3 – Local Government Unit Indicators

See attached affordability calculator in **Attachment 9**. The City of Wilson has five out of five LGU indicators worse than the state benchmark.

Attachment 1

**Redline As-Built Construction Drawings of
24" Watermain and 16" Watermain**

Dated December 1961

WATERWORKS IMPROVEMENT PROJECT

FOR

CITY OF WILSON

WILSON, N.C.

JOHN D. WILSON - MAYOR

COMMISSIONERS

HORACE P. BENTON, JR.

EDGAR NORRIS

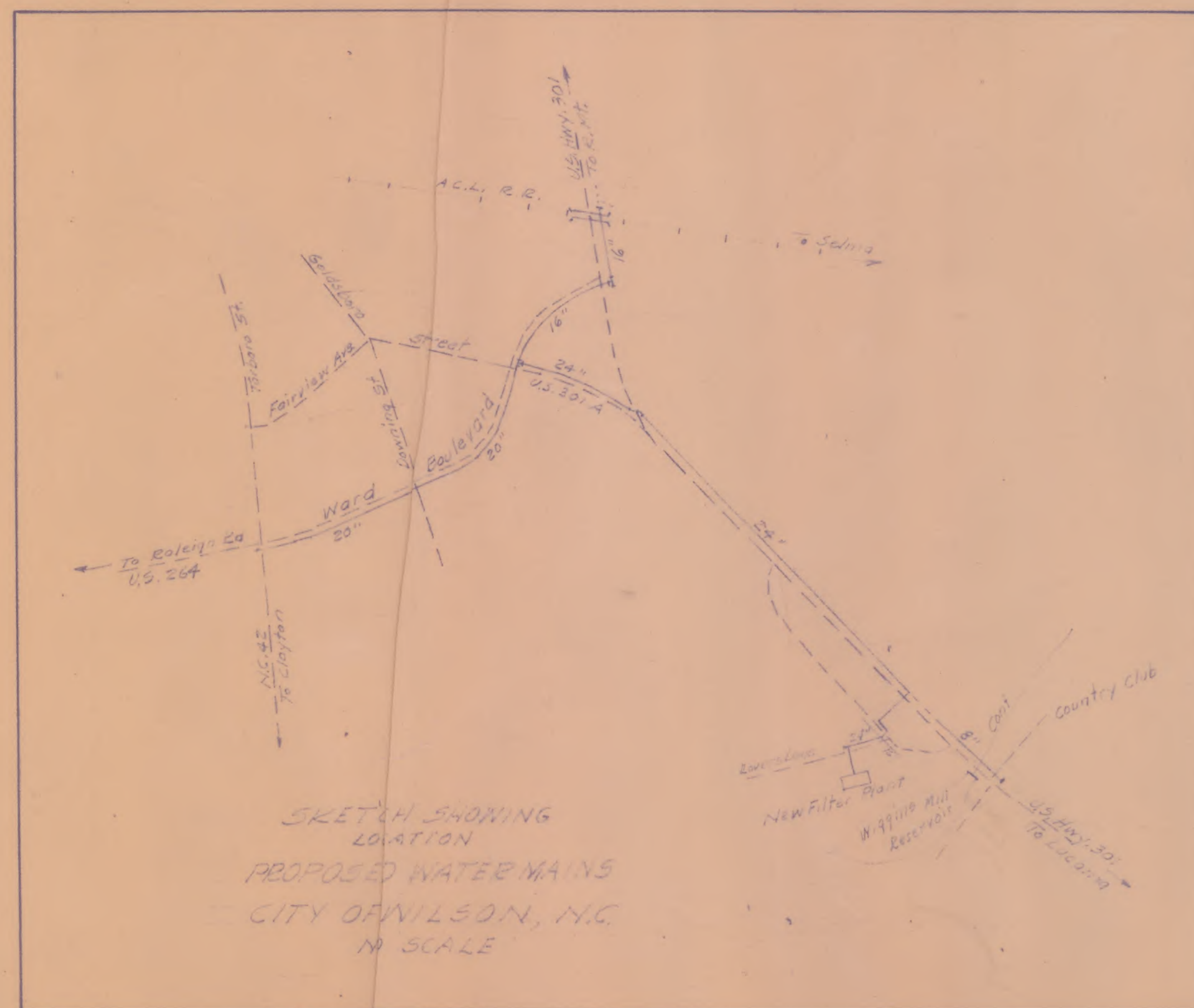
Dr. W.B. CLARK, JR.

A. WINNIETT PETERS

T. J. HACKNEY, JR.

CHARLES RAINES

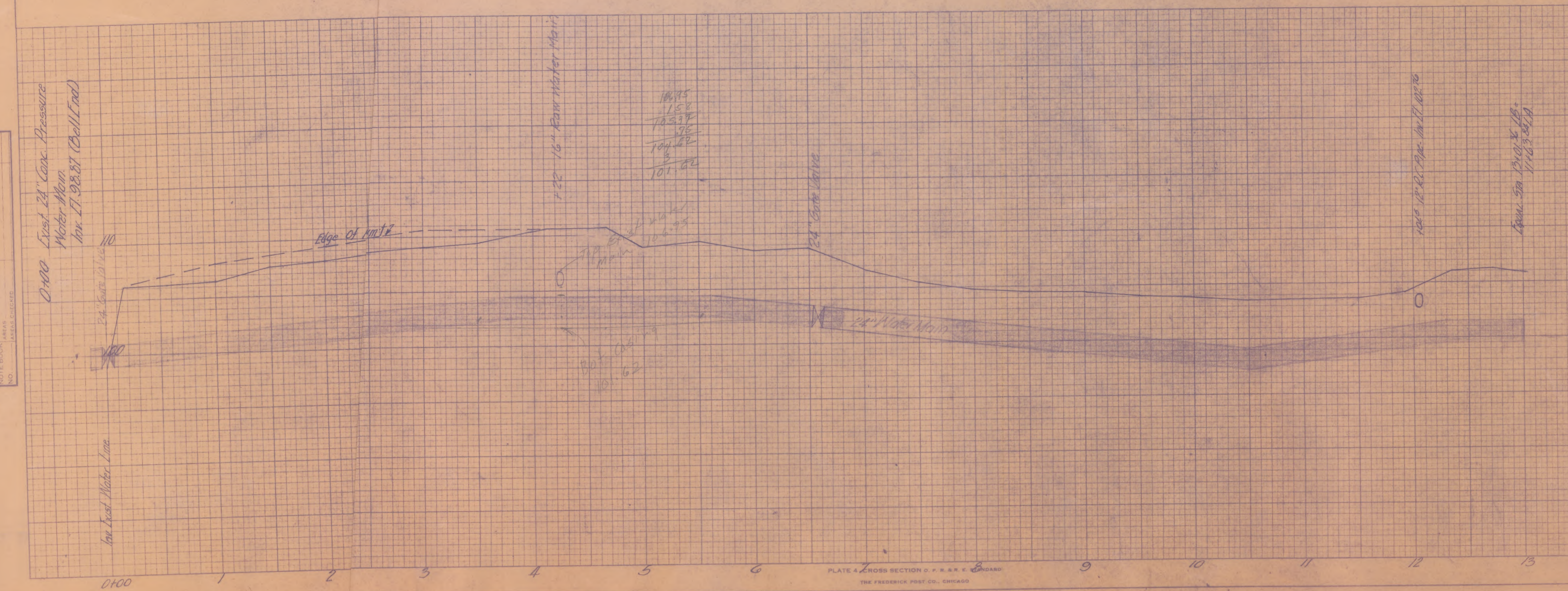
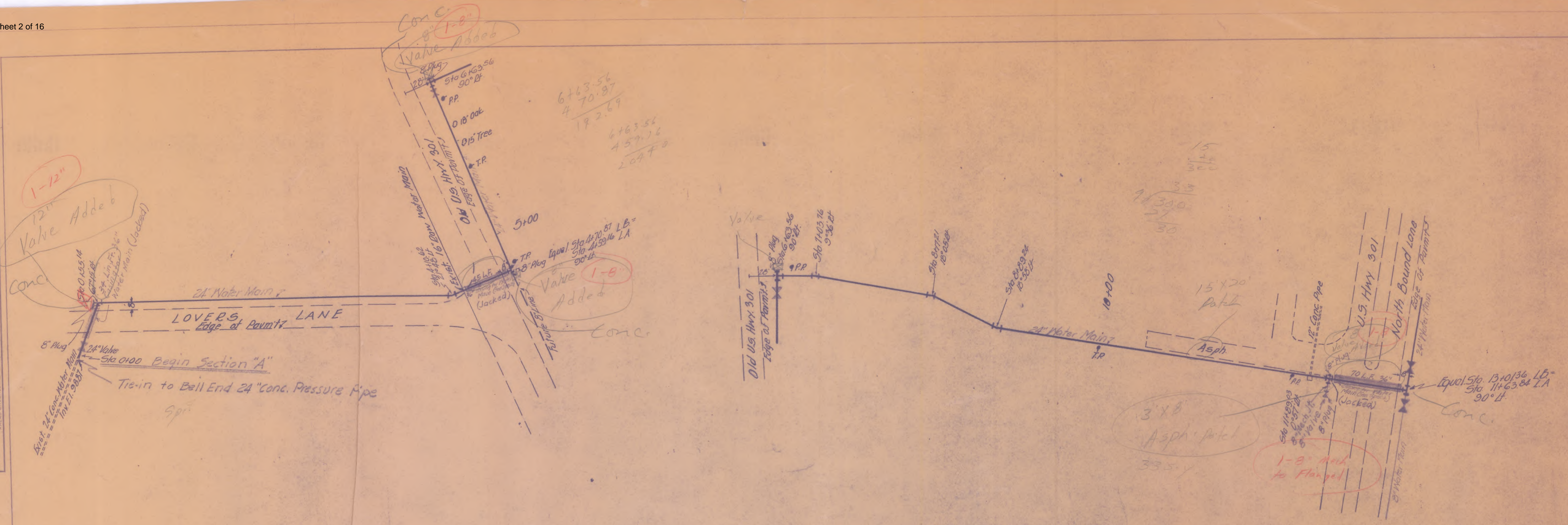
N. JACK MAYNARD, CITY MGR.



F.T. GREEN & ASSOC'S., ENGRS.
111 1/2 S. GOLDSBORO ST.
WILSON, N.C.

FINAL SURVEY PLATED
 NOTE BOOK AREA NO.
 DATE

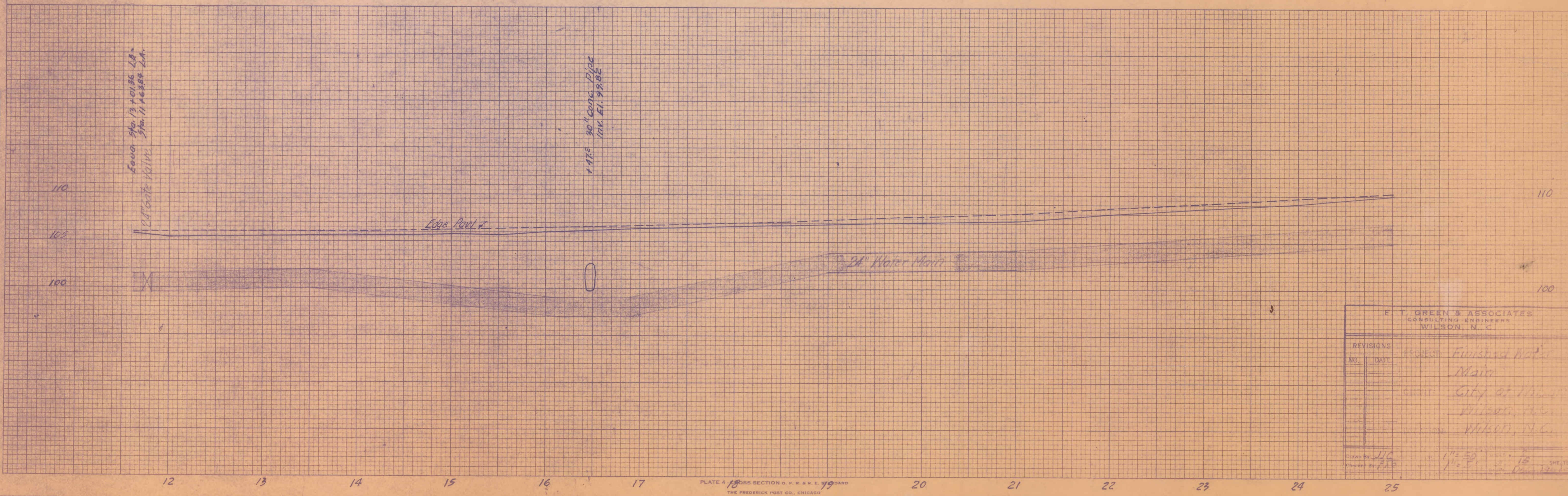
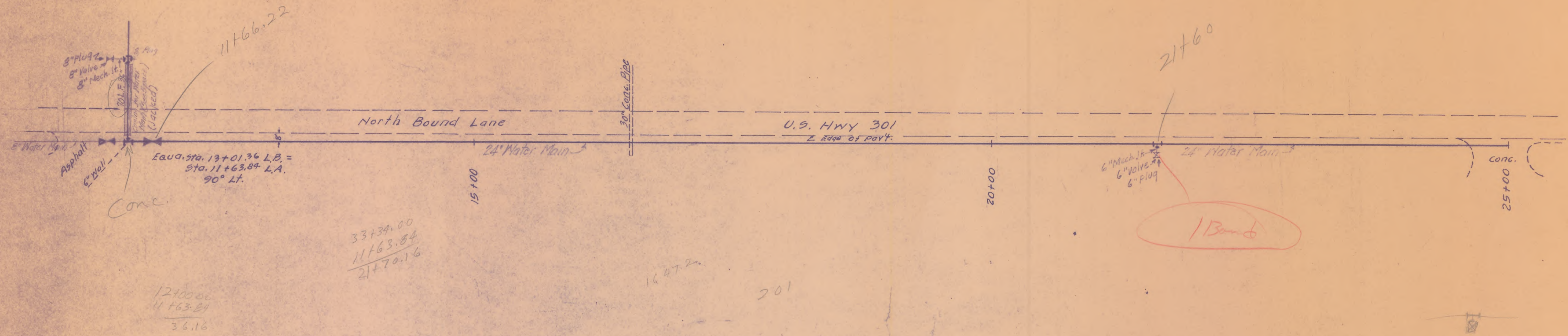
ORIGINAL SURVEY PLATED
 NOTE BOOK TEMPLATE NO.
 DATE



F. T. GREEN & ASSOCIATES ENGINEERS AND SURVEYORS WILSON, N. C.	
REV. SHEET NO.	1
PROJECT	Water Main
CLIENT	City of Wilson Wilson, N.C.
DATE	11/16/76
DESIGNED BY	JTC
CHECKED BY	JTC
SCALE	1" = 20'
DATE	11/16/76

DATE: _____
 BY: _____
 SUBMITTED: _____
 FINAL SURVEY: _____
 NOTE BOOK: _____
 NO. _____
 AREA CHECKED: _____

DATE: _____
 BY: _____
 ORIGINAL SURVEY: _____
 PLOTTED: _____
 NOTE BOOK: _____
 NO. _____
 AREA CHECKED: _____



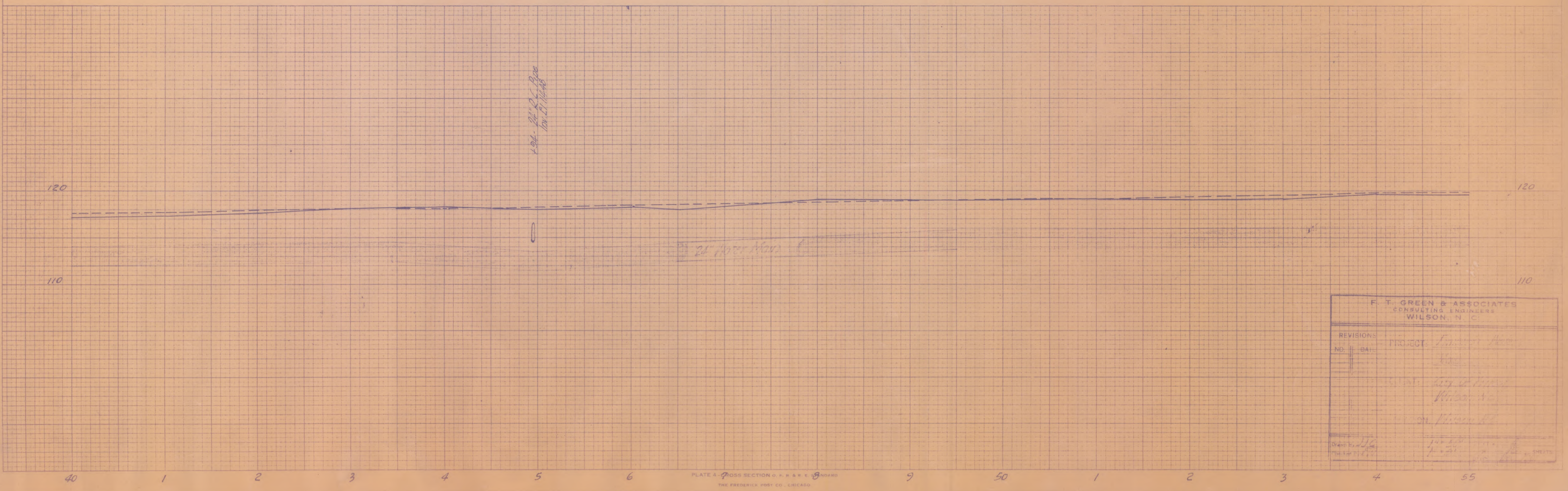
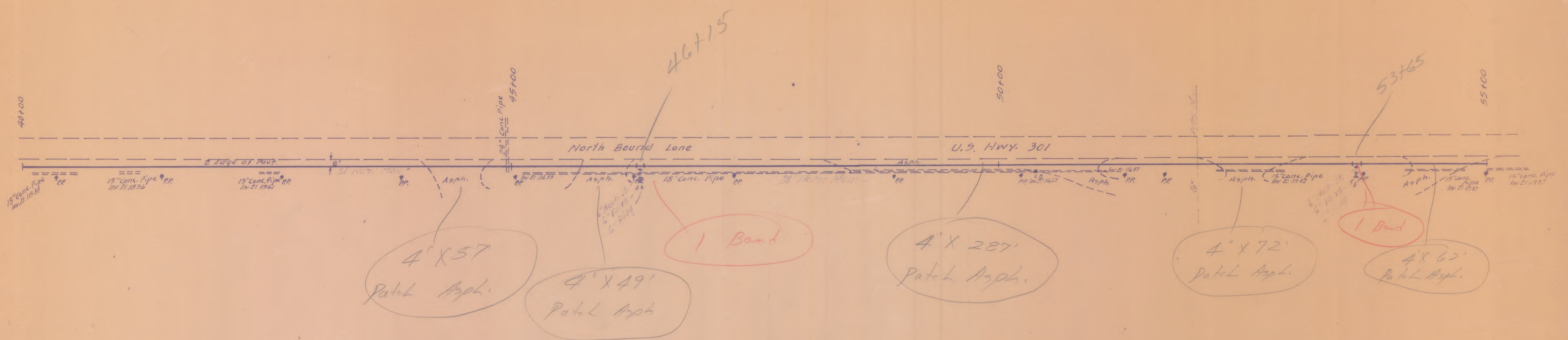
F. T. GREEN & ASSOCIATES
 CONSULTING ENGINEERS
 WILSON, N. C.

NO.	DATE	REVISIONS
1		Finished Water Main
2		City of Wilson
3		Wilson, N.C.

Drawn By: JHC
 Checked By: JHC
 1/15/50

FINAL SURVEY BY DATE
 SURVEYED BY DATE
 PLOTTED BY DATE
 NOTE BOOK NO. DATE
 AREAS CHECKED

ORIGINAL SURVEY BY DATE
 SURVEYED BY DATE
 PLOTTED BY DATE
 NOTE BOOK NO. DATE
 AREAS CHECKED



REVISIONS		PROJECT
NO.	DATE	

F. T. GREEN & ASSOCIATES
 CONSULTING ENGINEERS
 WILSON, N. C.

Drawn by: [Signature]
 Date: [Date]

FINAL SURVEY
 SURVISED
 PLOTTED
 NOTE BOOK
 AREA CHECKED

ORIGINAL SURVEY
 SURVISED
 PLOTTED
 NOTE BOOK
 AREA CHECKED

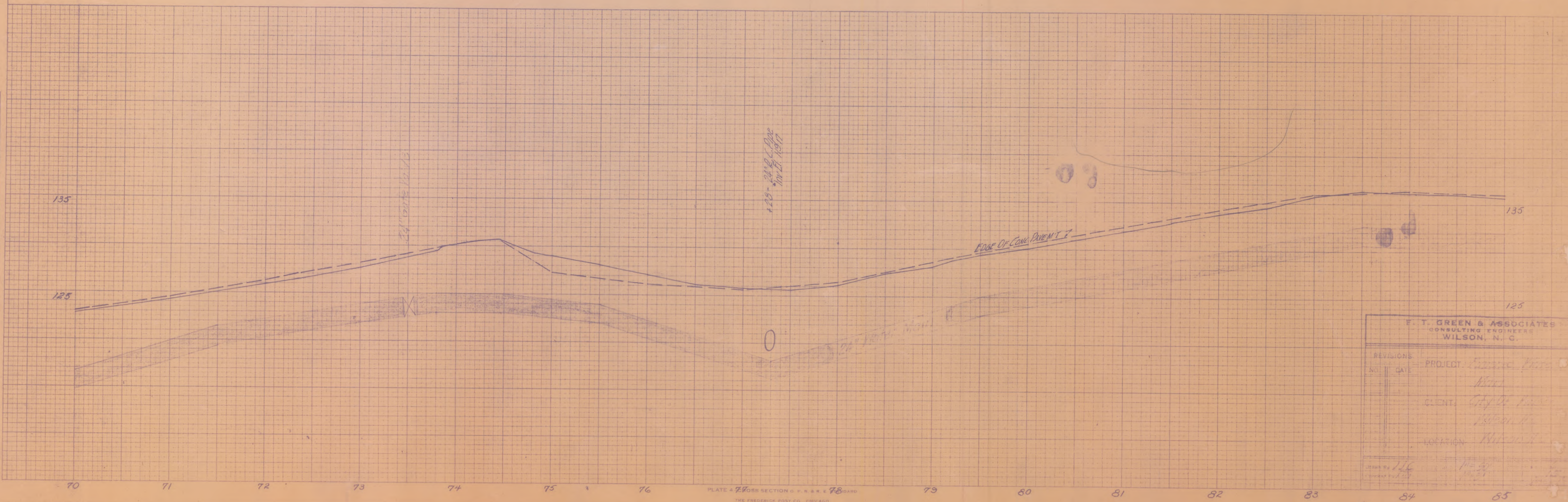


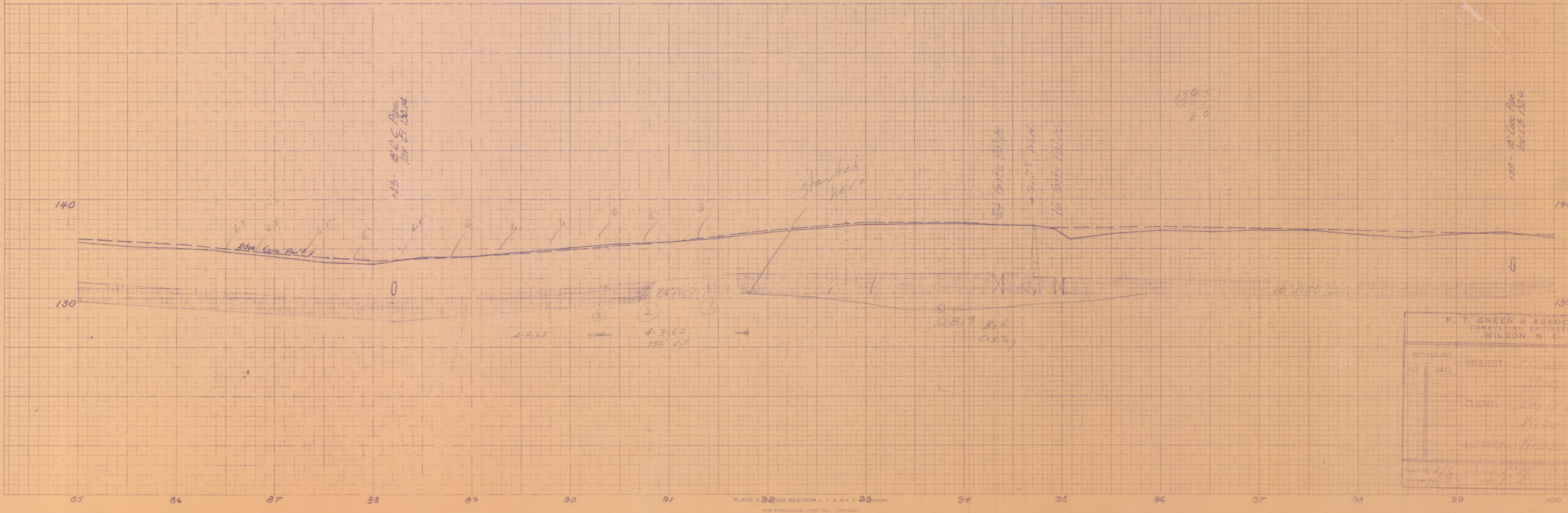
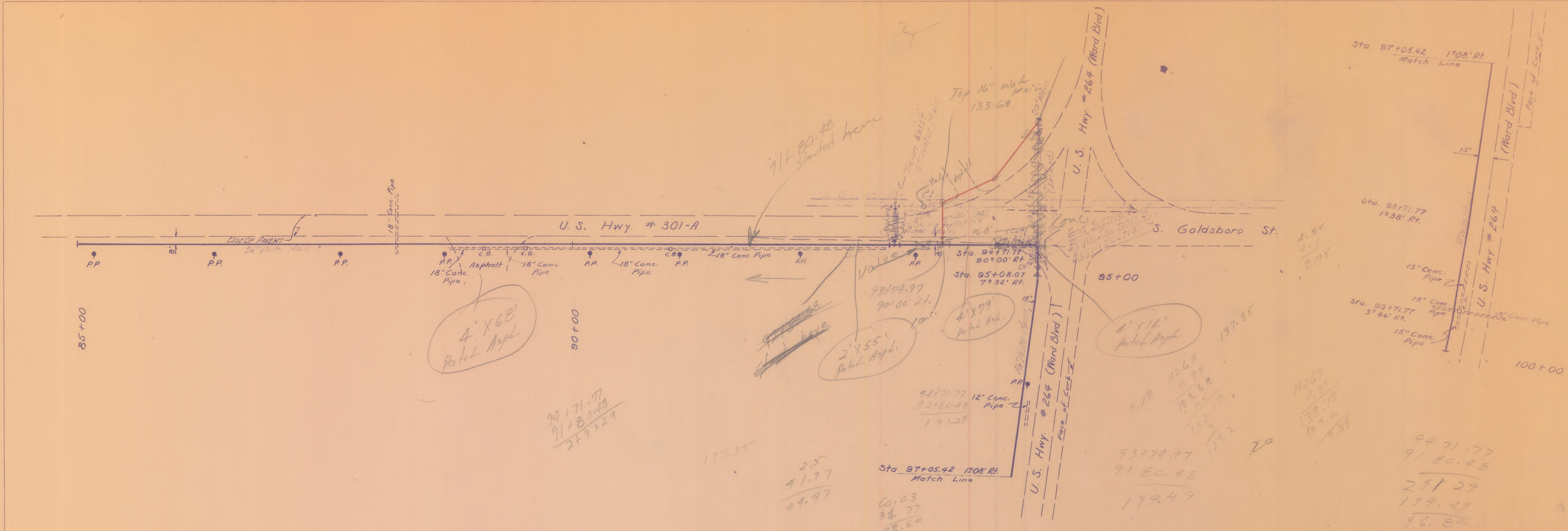
PLATE # 78 SECTION 5, T. 8 N. R. 8 E. S. 78
 THE FREDERICK POST CO., CHICAGO

REVISIONS		PROJECT
NO.	DATE	
		Waco
		Waco
		Waco
		Waco

E. T. GREEN & ASSOCIATES
 CONSULTING ENGINEERS
 WILSON, N. C.
 DRAWN BY: JLG
 CHECKED BY: JLG
 DATE: 11/21/51

FINAL SURVEY
 SURVEYED
 PLOTTED
 NOTE BOOK TEMPLATE
 NO. AREAS CHECKED

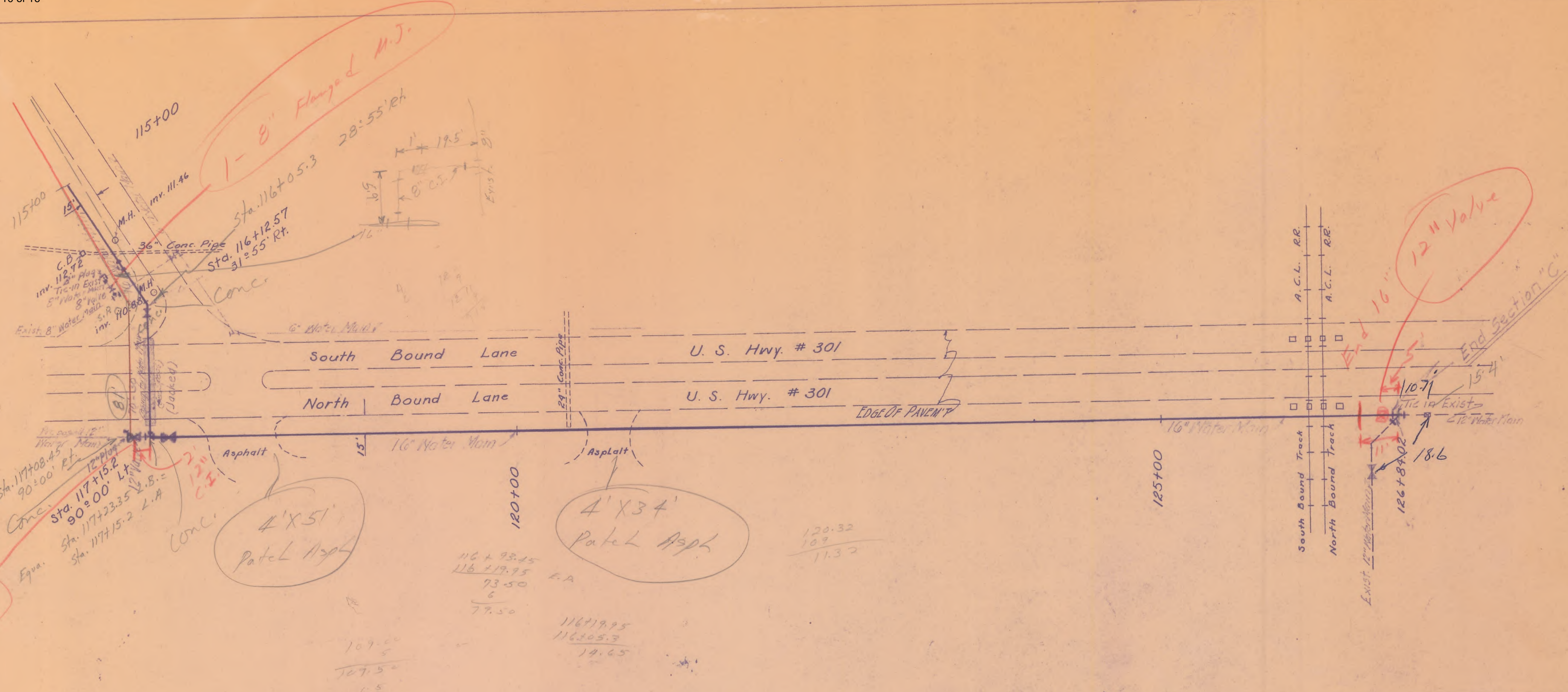
ORIGINAL SURVEY
 SURVEYED
 PLOTTED
 NOTE BOOK TEMPLATE
 NO. AREAS CHECKED



REVISIONS		PROJECT
NO.	DATE	
CLIENT		
LOCATION		

FINAL SURVEY
 PLANNED
 PLOTTED
 TEMPLATE
 NOTE BOOK AREA
 NO. AREAS CHECKED

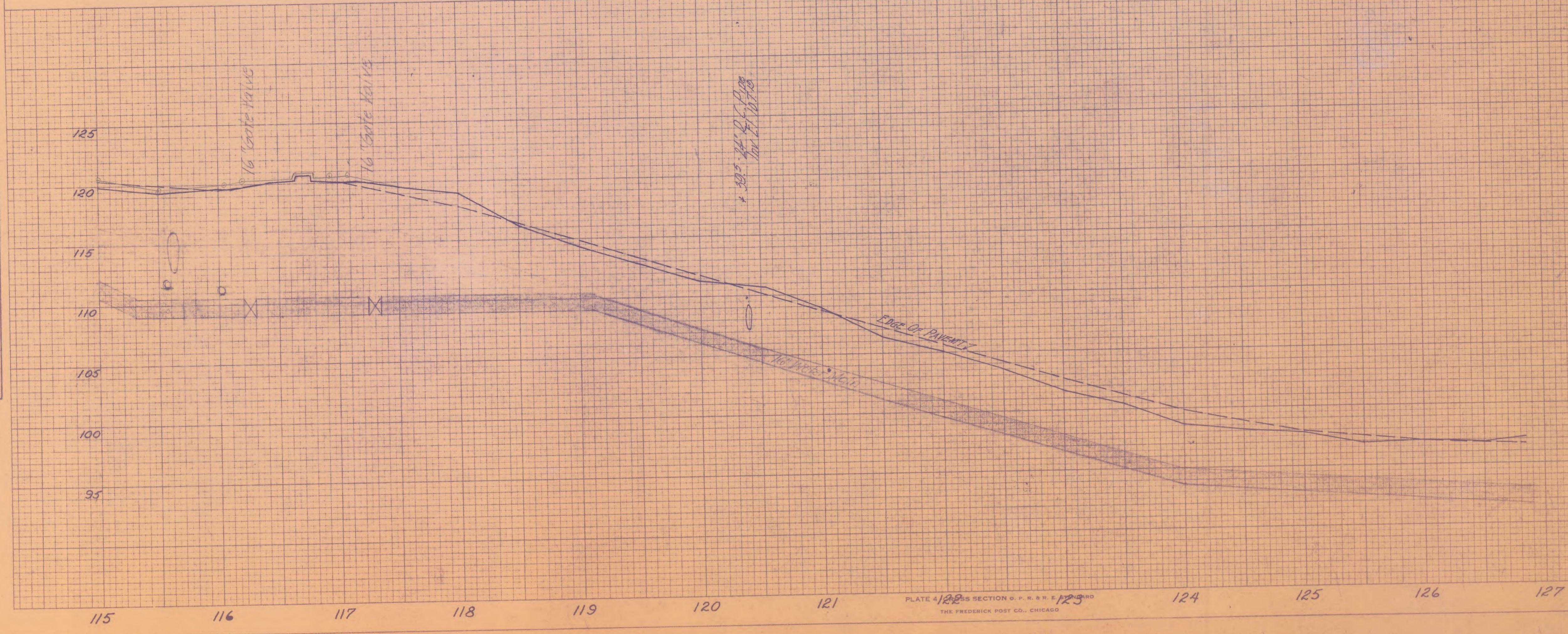
ORIGINAL SURVEY
 PLANNED
 PLOTTED
 TEMPLATE
 NOTE BOOK AREA
 NO. AREAS CHECKED



11.6	11.6
1.25	1.25
12.85	10.35
	2.33
	12.68

116 + 98.45	EA
116 + 17.75	
93.50	
6	
77.50	

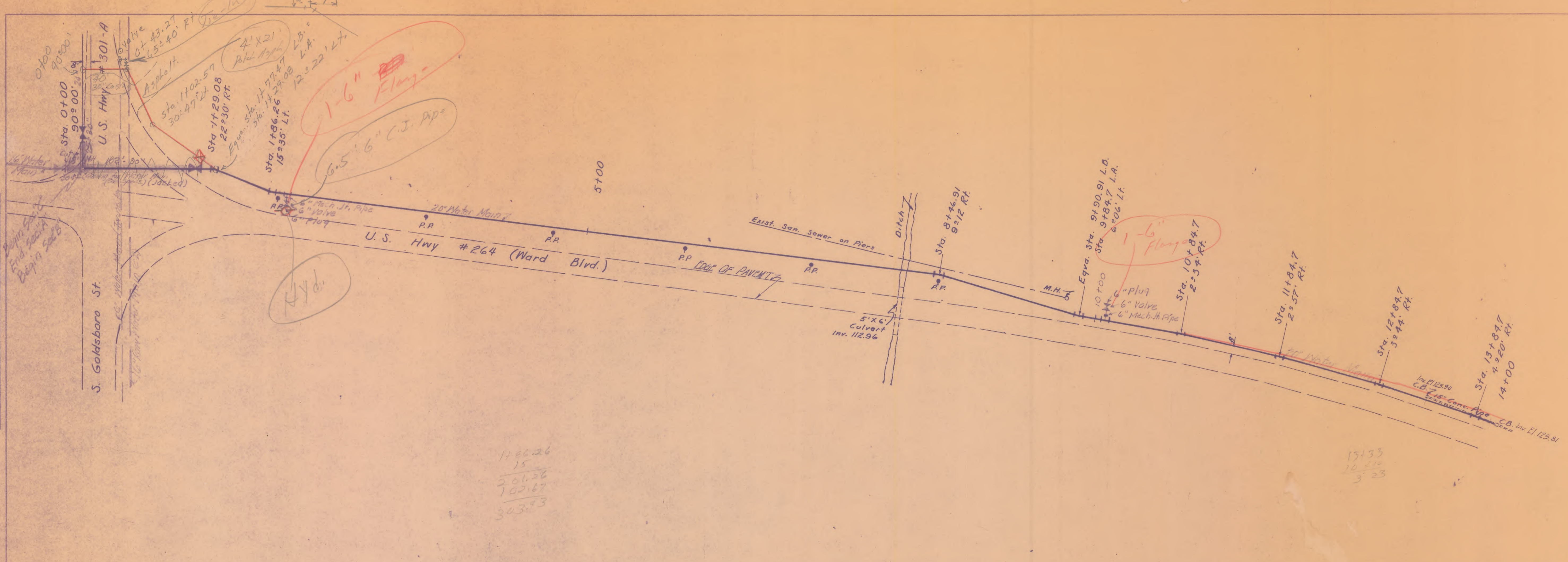
120.32
109
11.52



F. T. GREEN & ASSOCIATES CONSULTING ENGINEERS WILSON, N. C.	
REVISIONS	PROJECT: <i>Improvement</i>
NO. DATE	MAN: <i>Man</i>
	CLIENT: <i>City of Wilson</i>
	LOCATION: <i>Wilson, N.C.</i>
Drawn by: <i>L.H.</i>	Checked by: <i>L.H.</i>

DATE	
BY	
FINAL SURVEY	PLANNED
	PLOTTED
	NOTE BOOK
	AREAS CHECKED
	NO.

DATE	
BY	
ORIGINAL SURVEY	PLANNED
	PLOTTED
	NOTE BOOK
	AREAS CHECKED
	NO.



1126.26
15
201.26
702.67
303.73

17133
16.60
3.33

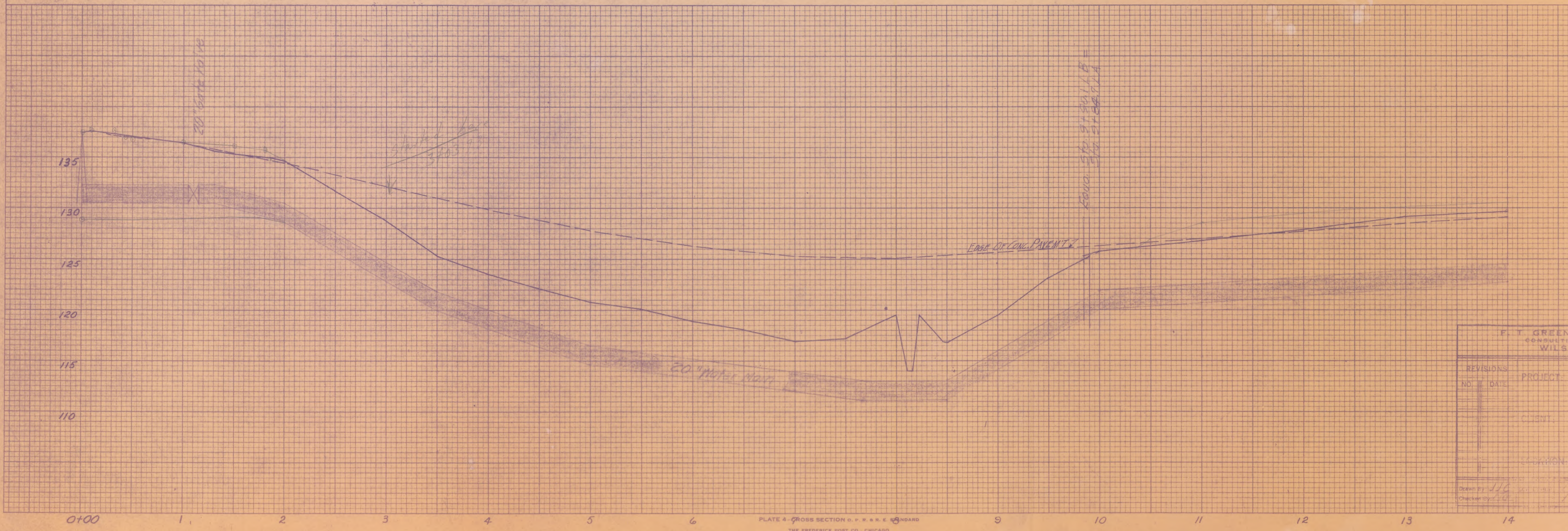
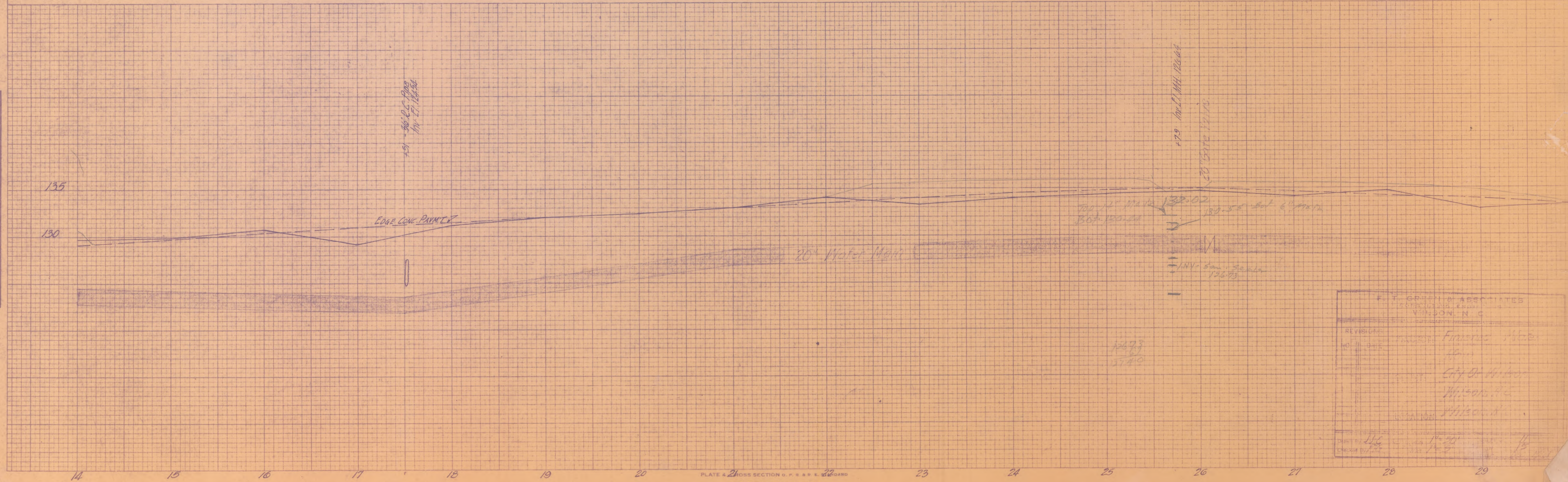
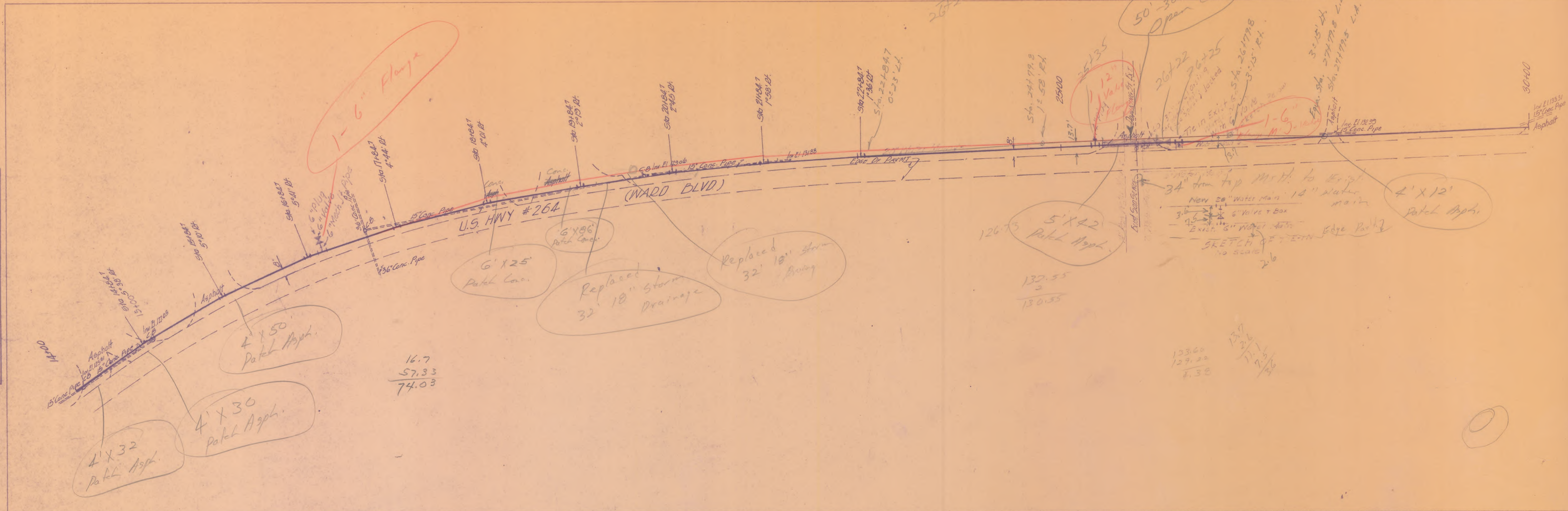


PLATE 4 - CROSS SECTION D.P.R. & E. STANDARD
THE FREDERICK POST CO., CHICAGO

F. T. GREEN & ASSOCIATES CONSULTING ENGINEERS WILSON, N. C.	
REVISIONS	PROJECT: <i>Ward Blvd.</i>
NO.	DATE
Drawn by: <i>J.H.</i>	Checked by: <i>J.H.</i>

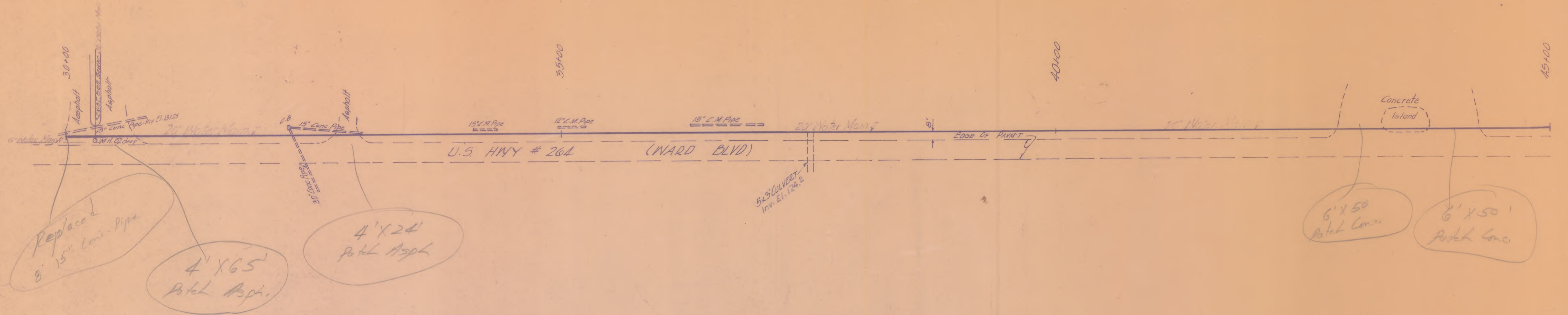
FINAL SURVEY	DATE
PLOTTED	BY
NOTE BOOK	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
PLOTTED	BY
NOTE BOOK	
AREAS CHECKED	

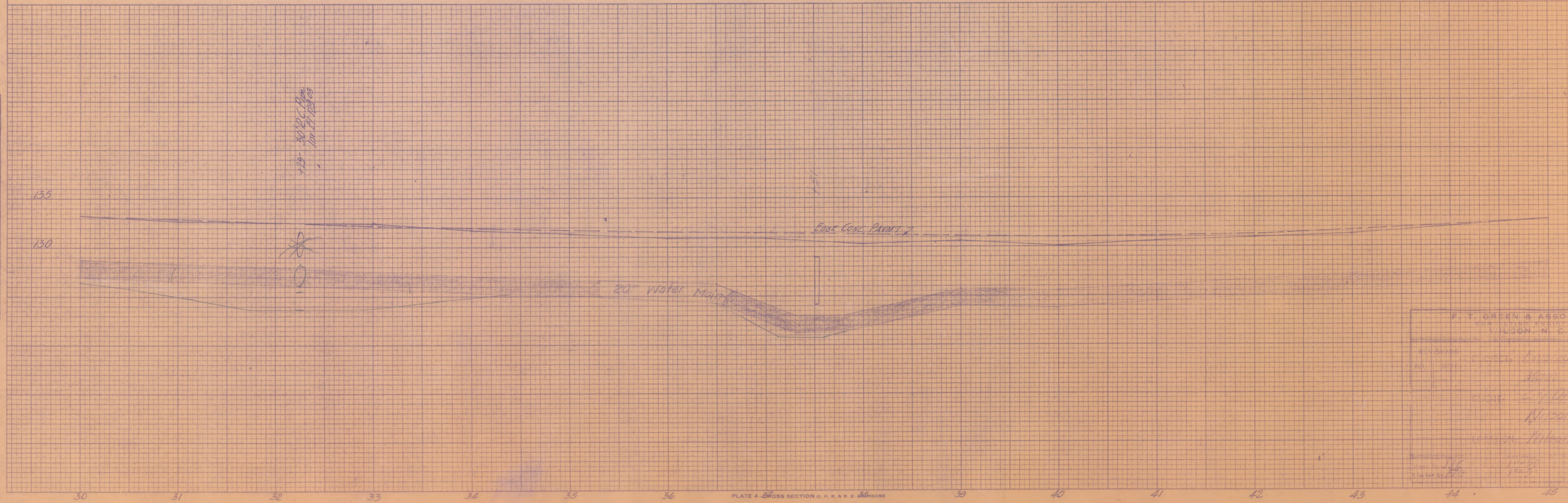


F. GREEN & ASSOCIATES REGISTERED ENGINEERS WILSON, N. C.	
REVISION	Francis Stone
NO.	1
DATE	11/20/50
BY	W. H. Stone
CHECKED	W. H. Stone

FINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
AREAS	
CHECKED	



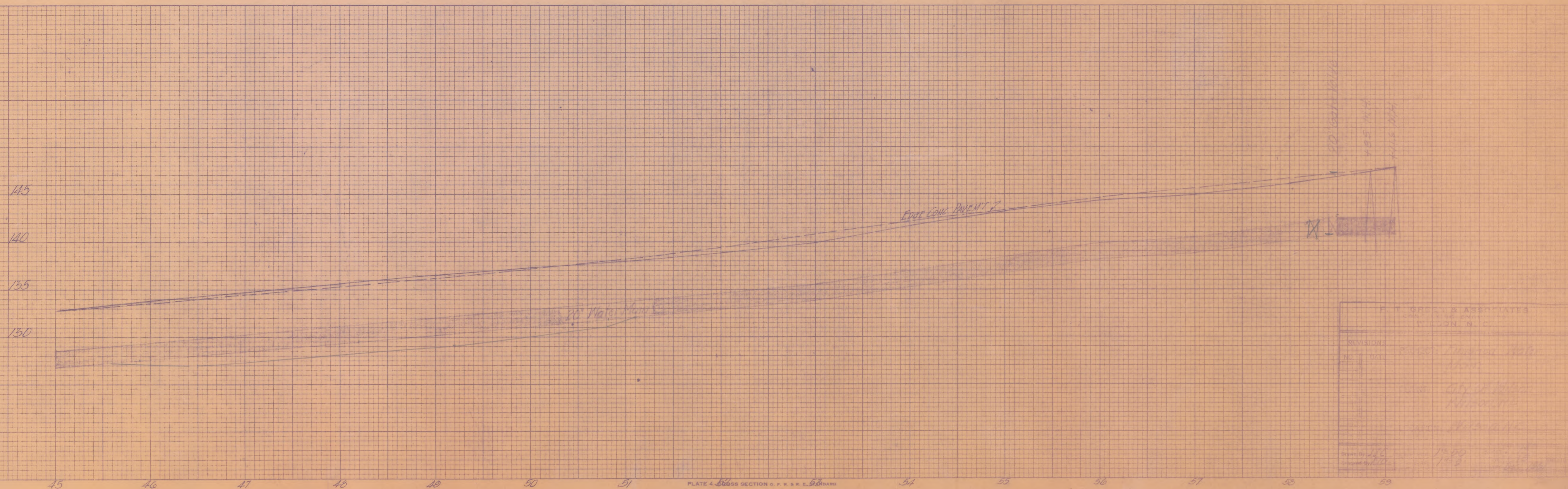
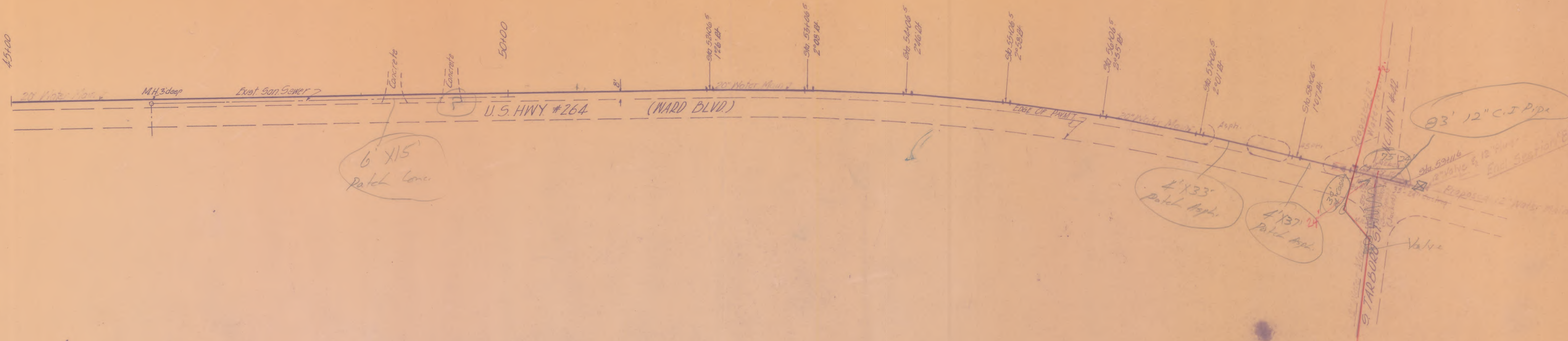
ORIGINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
AREAS	
CHECKED	



F. T. GREEN & ASSOCIATES CONSULTING ENGINEERS WILSON, N. C.	
PROJECT	ROAD IMPROVEMENT
DATE	1964
BY	F. T. Green
CHECKED	W. C. Hill
SCALE	AS SHOWN
NO.	13

FINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
AREAS	
NO.	

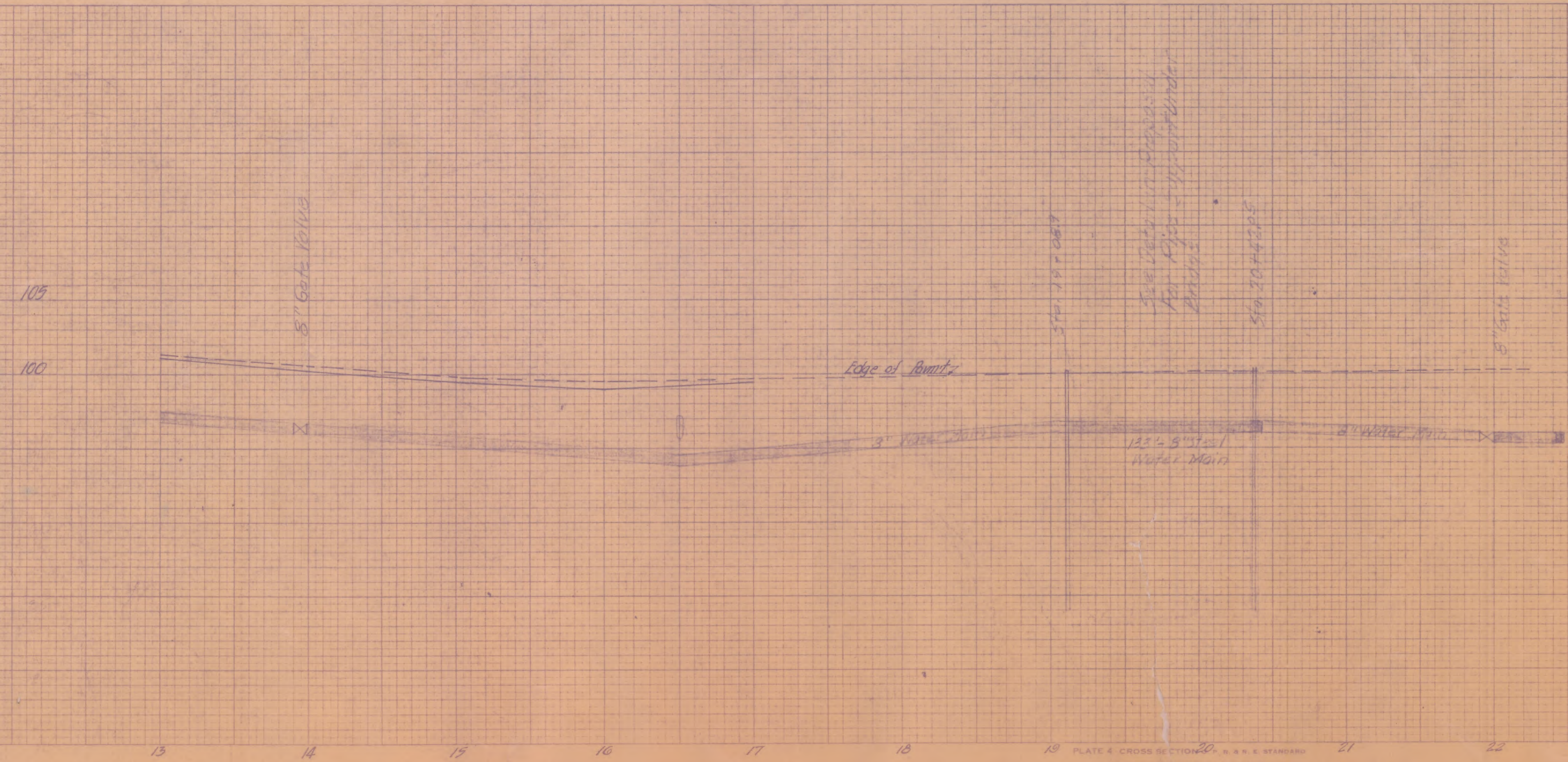
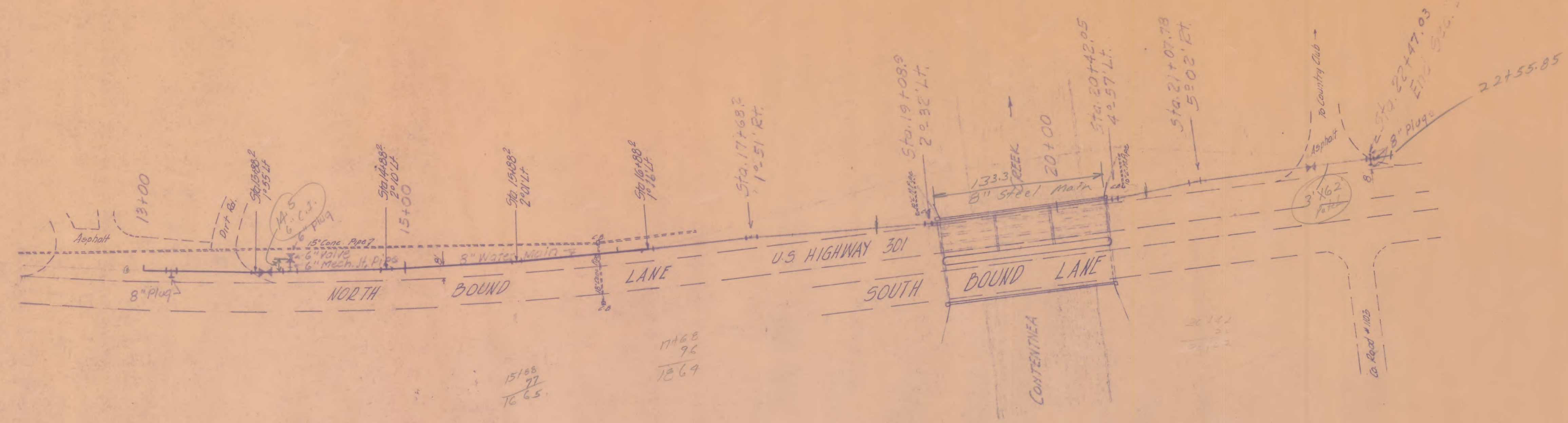
ORIGINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
AREAS	
NO.	



F. W. GREGG & ASSOCIATES	
CHICAGO, ILL.	
REVISIONS	
NO.	DESCRIPTION
1	As shown
2	As shown
3	As shown
4	As shown
5	As shown
6	As shown
7	As shown
8	As shown
9	As shown
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93	As shown
94	As shown
95	As shown
96	As shown
97	As shown
98	As shown
99	As shown
100	As shown

FINAL SURVEY
 SURVEYED, PLOTTED, AND CHECKED
 DATE: _____ BY: _____
 NOTE BOOK NO. _____ AREA CHECKED: _____

ORIGINAL SURVEY
 SURVEYED, PLOTTED, AND CHECKED
 DATE: _____ BY: _____
 NOTE BOOK NO. _____ AREA CHECKED: _____



2042205
 2113.8
 22155.85
 2 05'87
 2461.72

3.1417
 .11
 31417
 31417
 348587
 75
 1727935
 2419109
 25919025

2462
 2592
 4924
 22158
 12310
 4924
 63815.04

6.437
 4 25.917
 29
 16
 37

9 25.917
 18
 79

4.6
 70 3.25
 280
 45
 3.25
 .76
 30750

935
 15
 4675
 935
 1402.5
 640
 235

2462
 2.6
 14792
 4924
 27612

65080.36
 50
 325926.89
 1000000 3254288

7804
 8.30
 31216
 23412
 62432
 65085.36

2062
 20442
 23

2 197689
 18 63
 437

Attachment 2

Recent Watermain Break Records



Damaged Water/Sewer Line - #3621199

WATER - WATER DISTRIBUTION - Lynn Wilson



Details

STATUS - Completed
PRIORITY - None
SUBMITTED BY - [Verified Official] Chad Sutton
SUBMITTED THROUGH - gov.publicstuff.com
FOLLOWERS - cboyette@wilsonnc.org, lwilson@wilsonnc.org, rcwilson@wilsonnc.org

Dates

DATE SUBMITTED - January 7, 2018, 7:57 pm
Completed: 2018-01-08T20:19:33.954Z
DUE DATE - January 15, 2018, 12:00 am

Contact

NAME - N/A
EMAIL - N/A
PHONE - N/A

LOCATION - 1700 U.S. 301, Wilson, NC, United States

LOCATION INFORMATION -

CONTACT NAME - Darryl

CONTACT PHONE NUMBER - 2054622

WATER/SEWER CREW(S) DISPATCHED - Pager1

CURRENTLY ASSIGNED TO - Lynn Wilson in Water - Water Distribution

DESCRIPTION - water main break

Workflow

COMPLETE - January 8, 2018, 8:40 am

STEP NAME - Original request will be sent to UCC Dispatch

ASSIGNEE - N/A

DEPARTMENT - UCCDS - Water/Sewer

DESCRIPTION - Original request will come into UCC Dispatch. Additional information will be gathered if needed, and a water crew will be dispatched to handle the issue. Dispatch will close the ticket when work is completed.

COMPLETE - January 8, 2018, 3:19 pm

STEP NAME - Follow through and completion

ASSIGNEE - Lynn Wilson

DEPARTMENT - Water - Water Distribution

DESCRIPTION - If additional work is needed, dispatch will assign ticket to appropriate individual in the water dept. for follow through and completion.

Comments

- Jan 8, 2018
8:40am

Casey Boyette:
crew working on main break per Darryl
- Jan 8, 2018
3:19pm

Lynn Wilson:
Repaired 1/8/18 by crew 704.

Change Log

- Jan 7, 2018
7:57pm

Request was submitted
Follow through and completion was created
- Jan 7, 2018
7:57pm

Status: *'Submitted'* updated to *'In progress'*
Responded At: *'Jan 7th, 2018 07:57pm'* set
- Jan 8, 2018
8:40am

Original request will be sent to UCC Dispatch completed at: *'Jan 8th, 2018 08:40am'* set
Original request will be sent to UCC Dispatch completed by: *'Casey Boyette'* set
Workflow Step: *'Original request will be sent to UCC Dispatch'* updated to *'Follow through and completion'*
- Jan 8, 2018
8:40am

Follow through and completion assignee: *'Lynn Wilson'* set
- Jan 8, 2018
3:19pm

Follow through and completion completed at: *'Jan 8th, 2018 03:19pm'* set
Follow through and completion completed by: *'Lynn Wilson'* set
Completed At: *'Jan 8th, 2018 03:19pm'* set
Status: *'In progress'* updated to *'Completed'*



Damaged Water/Sewer Line - #10754898

WATER - WATER DISTRIBUTION -



Details

STATUS - Completed
 PRIORITY - None
 SUBMITTED BY - [Verified Official] Tierra Melvin
 SUBMITTED THROUGH - gov.publicstuff.com
 FOLLOWERS - ecrockett@wilsonnc.org, cparker@wilsonnc.org, tcox@wilsonnc.org, lwilson@wilsonnc.org, csutton@wilsonnc.org, tmelvin@wilsonnc.org, cdavis@wilsonnc.org, rgarrison@wilsonnc.org, aatkinson@wilsonnc.org, dpitt@wilsonnc.org, obriceno@wilsonnc.org, hvargas@wilsonnc.org

Dates

DATE SUBMITTED - September 5, 2021, 5:12 pm
 Completed: 2021-09-06T19:52:10.659Z
 DUE DATE - September 7, 2021, 12:00 am

Contact

NAME - N/A
 EMAIL - N/A
 PHONE - N/A

LOCATION - 1808 Goldsboro Street South, Wilson, NC, USA

LOCATION INFORMATION -

CONTACT NAME - 911

CONTACT PHONE NUMBER - 911

WATER/SEWER CREW(S) DISPATCHED - Pager1

CURRENTLY ASSIGNED TO - None in Water - Water Distribution

DESCRIPTION - Leak in the street

Workflow

COMPLETE - September 6, 2021, 3:52 pm

STEP NAME - Original request will be sent to UCC Dispatch

ASSIGNEE - N/A

DEPARTMENT - UCCDS - Water/Sewer

DESCRIPTION - Original request will come into UCC Dispatch. Additional information will be gathered if needed, and a water crew will be dispatched to handle the issue. Dispatch will close the ticket when work is completed.

COMPLETE - September 6, 2021, 3:52 pm
STEP NAME - Follow through and completion
ASSIGNEE - N/A
DEPARTMENT - Water - Water Distribution
DESCRIPTION - If additional work is needed, dispatch will assign ticket to appropriate individual in the water dept. for follow through and completion.

Comments

Sep 5, 2021 5:32pm ● Tierra Melvin:
Per Pager 1, water main break; locate request #C212480185

Change Log

Sep 5, 2021 5:12pm ● **Request was submitted**
Follow through and completion was created

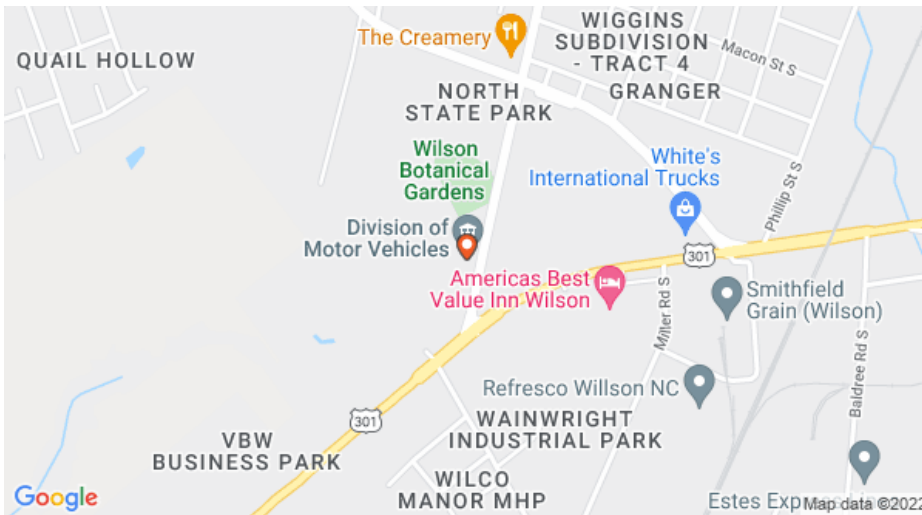
Sep 5, 2021 5:32pm ● **Status:** *'Submitted'* updated to *'In progress'*
Responded At: *'Sep 5th, 2021 05:32pm'* set

Sep 6, 2021 3:52pm ● **Original request will be sent to UCC Dispatch completed at:** *'Sep 6th, 2021 03:52pm'* set
Original request will be sent to UCC Dispatch completed by: *'Tierra Melvin'* set
Follow through and completion completed at: *'Sep 6th, 2021 03:52pm'* set
Follow through and completion completed by: *'Tierra Melvin'* set
Completed At: *'Sep 6th, 2021 03:52pm'* set
Status: *'In progress'* updated to *'Completed'*



Damaged Water/Sewer Line - #11176316

WATER - WATER DISTRIBUTION -



Details

STATUS - Completed
 PRIORITY - None
 SUBMITTED BY - [Verified Official] Tierra Melvin
 SUBMITTED THROUGH - gov.publicstuff.com
 FOLLOWERS - ecrockett@wilsonnc.org,
 cparker@wilsonnc.org, tcox@wilsonnc.org,
 lwilson@wilsonnc.org, csutton@wilsonnc.org,
 tmelvin@wilsonnc.org, cdavis@wilsonnc.org,
 rgarrison@wilsonnc.org, aatkinson@wilsonnc.org,
 dpitt@wilsonnc.org, obriceno@wilsonnc.org,
 hvargas@wilsonnc.org

Dates

DATE SUBMITTED - November 25, 2021, 4:02 pm
 Completed: 2021-11-26T19:36:14.405Z
 DUE DATE - November 26, 2021, 12:00 am

Contact

NAME - N/A
 EMAIL - N/A
 PHONE - N/A

LOCATION - 1822 Goldsboro Street South, Wilson, NC, USA

LOCATION INFORMATION -

CONTACT NAME - 911

CONTACT PHONE NUMBER - 911

WATER/SEWER CREW(S) DISPATCHED - Pager1

CURRENTLY ASSIGNED TO - None in Water - Water Distribution

DESCRIPTION - Leak in the street

Workflow

COMPLETE - November 26, 2021, 2:36 pm

STEP NAME - Original request will be sent to UCC Dispatch

ASSIGNEE - N/A

DEPARTMENT - UCCDS - Water/Sewer

DESCRIPTION - Original request will come into UCC Dispatch. Additional information will be gathered if needed, and a water crew will be dispatched to handle the issue. Dispatch will close the ticket when work is completed.

COMPLETE - November 26, 2021, 2:36 pm

STEP NAME - Follow through and completion

ASSIGNEE - N/A

DEPARTMENT - Water - Water Distribution

DESCRIPTION - If additional work is needed, dispatch will assign ticket to appropriate individual in the water dept. for follow through and completion.

Comments

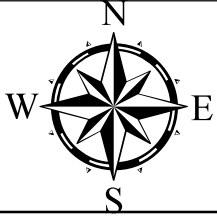
- Nov 25, 2021 5:53pm ● Tierra Melvin:
Per Pager 1, small leak in the street; will call a locate in tomorrow morning
- Nov 26, 2021 8:31am ● Chad Sutton:
Emergency locate #213300032
- Nov 26, 2021 2:36pm ● Chad Sutton:
Repairs have been made

Change Log

- Nov 25, 2021 4:02pm ● **Request was submitted**
Follow through and completion was created
- Nov 25, 2021 5:06pm ● **Status:** 'Submitted' updated to 'In progress'
Responded At: 'Nov 25th, 2021 05:06pm' set
- Nov 26, 2021 2:36pm ● **Original request will be sent to UCC Dispatch completed at:** 'Nov 26th, 2021 02:36pm' set
Original request will be sent to UCC Dispatch completed by: 'Chad Sutton' set
Follow through and completion completed at: 'Nov 26th, 2021 02:36pm' set
Follow through and completion completed by: 'Chad Sutton' set
Completed At: 'Nov 26th, 2021 02:36pm' set
Status: 'In progress' updated to 'Completed'

Attachment 3

Project Location Map



Date: March 2022

City Of Wilson Water Distribution

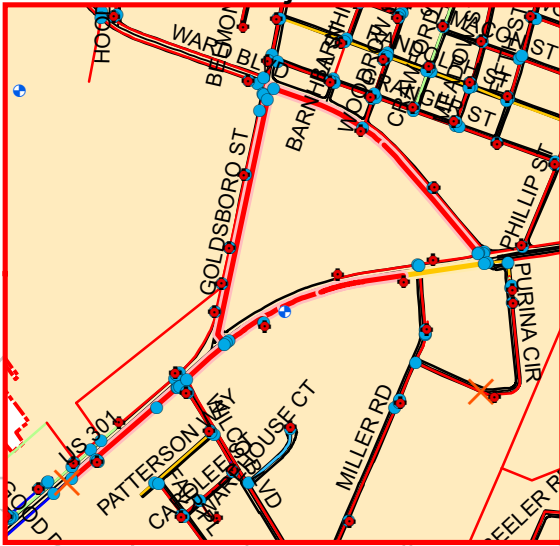
Legend

Year Installed

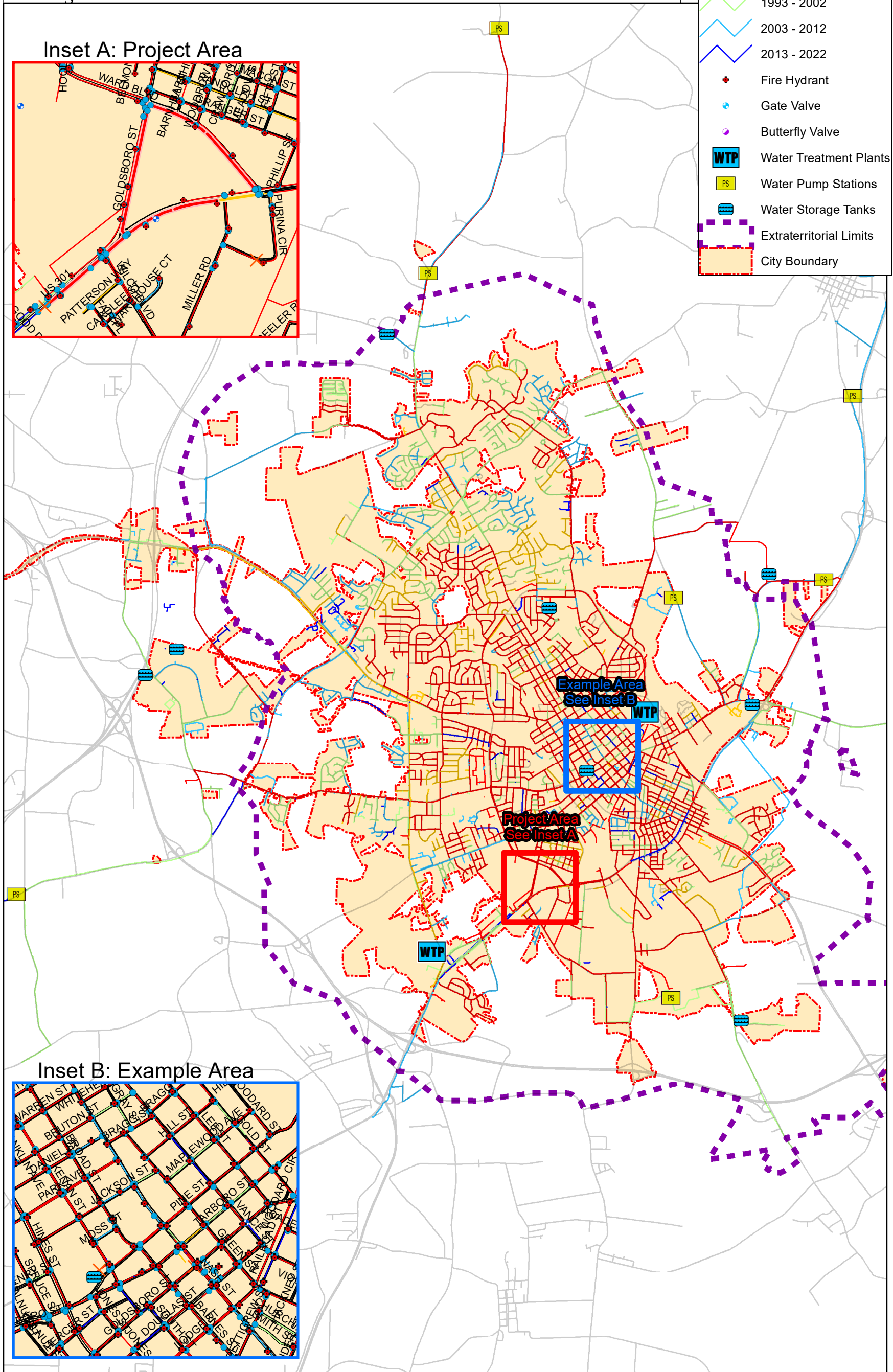
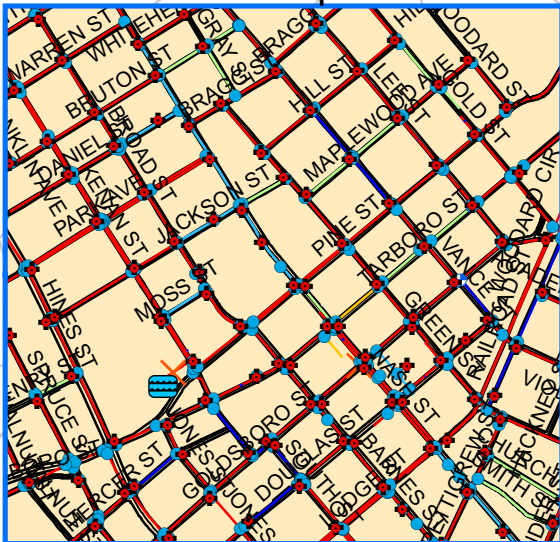
- 1920 - 1982
- 1983 - 1992
- 1993 - 2002
- 2003 - 2012
- 2013 - 2022

- Fire Hydrant
- Gate Valve
- Butterfly Valve
- WTP Water Treatment Plants
- PS Water Pump Stations
- Water Storage Tanks
- Extraterritorial Limits
- City Boundary

Inset A: Project Area



Inset B: Example Area



Attachment 4

Capital Improvement Plan and Supporting Documentation



EXCERPT OF MINUTES OF THE
APRIL 21, 2022 MEETING OF THE CITY COUNCIL
OF THE CITY OF WILSON, NORTH CAROLINA

Certification

I, Tonya A. West, City Clerk of the City of Wilson, North Carolina, do hereby certify that the foregoing is an excerpt of the minutes of the April 21, 2022 meeting of the City Council of the City of Wilson, North Carolina, as prepared by the City Clerk.

Item 8 Consideration of Support of Adoption of a 10-Year Capital Improvement Plan (CIP) for Water and Sewer Infrastructure

Mayor Stevens read Item 8, included with the Consent Agenda items, and called for a motion. Councilmember Evans made a motion to approve the Consent Agenda, including Agenda Item 8. Councilmember Liles seconded the motion, which passed unanimously.

(See Exhibit 6 – Staff Notes for Item 8)

WITNESS MY HAND AND THE SEAL OF THE CITY OF WILSON, NORTH CAROLINA, this the 25th day of April, 2022.



(SEAL)

A handwritten signature in blue ink that reads "Tonya A. West".

Tonya A. West, City Clerk
City of Wilson
Wilson, North Carolina

PROJECT	Project Funding and Capital Outlay Breakdown	Prior Years	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	Funding Balance
NUMBER	Future Funding -													
WR-01	Wiggins Mill Exapnsion 12 to 16 MGD, 2300V to 480V	\$1,900,000	\$6,500,000	\$20,000,000	\$14,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$42,400,000
WR-02	Old Fields Outfall Sewer Lines - Contentnea Pump Station to Merck Split	\$150,000	\$2,750,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,900,000
WR-03	The Lower Bloomery - Merck Split to Airport	\$800,000	\$2,500,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,300,000
WR-04	24" Replace - Main Goldsboro - Phase II (Loop)	\$0	\$3,450,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,450,000
WR-05	Hominy Creek WWTP Expansion from 14 to 17.3 MGD	\$0	\$0	\$6,000,000	\$17,000,000	\$30,000,000	\$27,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$80,000,000
WR-06	Little Swamp Upgrade - Tilghman Outfall	\$0	\$238,500	\$1,590,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,828,500
WR-07	WCC Sewer Outfall	\$0	\$325,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$325,000
WR-08	Annual Sewer Rehab	\$0	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$5,500,000
WR-09	Sewer - Investigation (Smoke Testing, etc.)	\$100,000	\$250,000	\$250,000	\$350,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$350,000	\$250,000	\$250,000	\$3,050,000
WR-10	Southpoint Pump Station Forcemain Rehab or Replace	\$0	\$193,200	\$1,288,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,481,200
WR-11	Contentnea Pump Station Mechanical Bar Screen	\$0	\$0	\$0	\$800,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$800,000
WR-12	20" Replace - Goldsboro to Tarboro - Phase III	\$0	\$0	\$250,000	\$2,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,250,000
WR-13	Longview Pump Station Forcemain Rehab or Replace	\$0	\$0	\$0	\$210,000	\$1,400,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,610,000
WR-14	Reinforcement/Support of 30" DIP Outside WWTP	\$0	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$200,000
WR-15	Upgrade of Contentnea Pump Station and Forcemain	\$0	\$0	\$0	\$465,000	\$3,100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,565,000
WR-16	Herring Avenue 12" AC Watermain Replacement	\$0	\$0	\$0	\$0	\$280,000	\$1,875,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,155,000
WR-17	Raleigh Road 6" AC Watermain Replacement	\$0	\$0	\$0	\$0	\$0	\$120,000	\$800,000	\$0	\$0	\$0	\$0	\$0	\$920,000
WR-18	Relocate 18" DIP from Brentwood to Ward (stream impacts)	\$0	\$0	\$0	\$0	\$0	\$0	\$150,000	\$1,000,000	\$0	\$0	\$0	\$0	\$1,150,000
WR-19	Replace/Rehab 10" CI Watermain from Ward to Tilghman	\$0	\$0	\$0	\$0	\$0	\$0	\$95,000	\$625,000	\$0	\$0	\$0	\$0	\$720,000
WR-20	Replace or Rehab VCP along Suggs, Moore, and Pender	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$300,000	\$0	\$0	\$0	\$0	\$300,000
WR-21	I-95 Region Pump Station Upgrades	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000	\$3,250,000	\$0	\$0	\$0	\$3,750,000
WR-22	I-95 Pressure Zone and Water Tower	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$375,000	\$2,500,000	\$0	\$0	\$2,875,000
WR-23	Relocation of 30" CRS Pipe at 6776 Ward Blvd (stream impacts)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$60,000	\$400,000	\$0	\$460,000
WR-24	16" Water Main Extension from Campus 587 to Charleston St on MLK	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000	\$3,375,000	\$0	\$3,875,000
WR-25	Replace all Utilities (water, raw, and sewer) on Lodge (partner with Electric)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$525,000	\$3,500,000	\$4,025,000
WR-26	Westwood Avenue 15" Outfall Extension	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$325,000	\$2,125,000	\$2,450,000
WR-27	Extend Water & Sewer along road between I-95 to Sweet Williams	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$400,000	\$2,700,000	\$3,100,000
	Capital Fund Reserve - Rolling Projects	\$2,950,000	\$16,906,700	\$29,878,000	\$35,325,000	\$35,530,000	\$29,745,000	\$1,795,000	\$3,175,000	\$4,375,000	\$3,910,000	\$5,775,000	\$9,075,000	\$178,439,700



CITY OF WILSON

City Council Meeting Agenda

Remote Communications Technology & Live Stream

*(May be Viewed Live on Wilson's Channel 8 on Greenlight and Other Local Cable Systems
or by Live Stream from the City's Website, www.WilsonNC.org)*

Due to public health concerns, out of an abundance of caution and pursuant to the authority contained in GS 166A-19.24, the Wilson City Council hereby gives notice that the format and the traditional meeting process for the April 21, 2022 Council meeting is being altered to accommodate and encourage positive public health practices and reduce the risk of spreading Covid-19. The April 21, 2022 Council meeting will incorporate virtual meeting practices and remote communications technology. The public is encouraged to watch the business meeting streamed live at 7:00 p.m. on the City's website www.wilsonnc.org or on Wilson's Channel 8 on Greenlight and other local cable systems. The meeting will begin at 6:30 pm with a closed session pursuant to GS 143-318.11(a)(3). Anyone wishing to speak during the public comment period of the meeting or during any public hearing may submit written comments or contact the City Clerk by 12:00 noon on Thursday, April 21, 2022 at twest@wilsonnc.org or (252) 399-2302.

April 21, 2022 – 7:00 p.m.

Closed Session – 6:30 p.m.

1. Invocation
2. Pledge of Allegiance
3. Proclamation Proclaiming Thursday, May 5, 2022, as "National Day of Prayer" in Wilson, North Carolina
4. **Consent Agenda** *(All matters listed are considered to be routine and non-controversial by City Council and will be enacted by one motion. There will be no separate discussion unless a Council member so requests, in which case the item will be removed from the Consent Agenda and will be considered separately.):*
 - 4a. Consideration of Approval of Proposed Special City Council Meeting Minutes of March 2, 2022 and Regular City Council Meeting Minutes of March 3, 2022 and March 17, 2022
 - 4b. Consideration of Approval of Tax Collections Report for February 2022
 - 4c. Consideration of Resolution Proposing to Dispose of Surplus Equipment by Public Auction

Public Hearings

5. Public Hearing Items - Regular

This agenda can be viewed on the City of Wilson home page at www.WilsonNC.org

- 5a. Consideration of Approval of an Ordinance Directing Demolition and that the Building Inspector Place a Notice Thereon that the Property is Unfit for Human Habitation and that the Same May Not Be Occupied for the Property Located at 1310 Nash Street, South East; PIN # 3721-77-1443-000

Public Hearing Items – Planning & Design Review Board

- 5b. Consideration of Approval of Ordinance for Zoning Change Request; Approximately 0.21 acres located at 5333 NC HWY 58, Just North of 5232 NC HWY 58; Wilson Parcel # 3714-08-6461.000 (PIN); Present Use –Vacant; Present Zone – LI (Light Industrial); Requested Zone – GC (General Commercial); Requested by Ron Sutton, Herring-Sutton & Associates, P.A. as agent for 3 CORDS, LLC; (Project # 22-32)
- 5c. Consideration of Approval of Ordinance for Zoning Change Request; Approximately 4.13 acres located at 1300 Tobacco Road, South, Located on Tobacco Road, abutting the Norfolk & Southern Railway; Wilson Parcel # 3721-34-0872.000 (PIN); Present Use – Warehouse; Present Zone – HI (Heavy Industrial); Requested Zone LI (Light Industrial); Requested by Roy Harrington on behalf of Harrington Companies, LLC (Project # 22-79)
- 5d. Consideration of Approval of Ordinance for Zoning Text Change Request – Technical Amendments to Chapter 16 of the UDO and Updates to Areas of the UDO to Comply with State Statutes (Project # 22-119)

End of Public Hearings

- 6. Consideration of Approval of Budget Amendment Ordinances for 2021-2022 Budget
- 7. Consideration of Approval of Updated Fiscal Guidelines and Budget Policies
- 8. Consideration of Support of Adoption of a 10-Year Capital Improvement Plan (CIP) for Water and Sewer Infrastructure
- 9. Consideration of Approval of a Resolution Authorizing an Application for Loan/Grant Funds for the Clean Water State Revolving Fund (CWSRF)
- 10. Report(s)
- 11. Call on the Audience



CITY OF WILSON

Agenda Item 8

Meeting Date April 21, 2022

City Council Agenda Item Cover Sheet

To: Honorable Mayor, Members of City Council and City Manager

From: W. T. Bass, IV, P.E., Director of Public Works

Subject: Request by Public Works Department in Support of Adoption of a 10 CIP for Water and Sewer Infrastructure

Issue: Adoption of a 10 CIP plan for Water and Sewer System.

Background / Summary: As the city pursues grants for infrastructure improvements, a 10-year CIP provides additional points in the scoring process.

Fiscal or Other Impact: As our infrastructure ages and demand increases, the need to replace and upgrade grows. The ability to apply and receive grants is important to maintain our infrastructure.

Recommendation: Public Works recommends approval of adoption of a 10-year CIP for water and sewer infrastructure.

Coordination: Public Works Department

Attachments: 10 year CIP

Attachment 5

City of Wilson Specification Manual

Manual of Specifications Standards and Design



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Prepared by:



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(revised 7/10/20)

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Attachment 6

CMMS Display

File Home Support

Home Tools My Work Dashboard Calendar Mapping Work Requests WO Review Work Management Active Procedures WO Review Work Templates Procedures Setup Tasks List Work Orders Procedures Work History Equipment Parts Ordering Parts Usage Suppliers Report Center Audit Trail Notes

Home Quick Tools My Work Current Work Work Setup Work History Equipment Parts and Ordering Reporting Utilities

Work Management

Print Email Distribution Move to Review Move to History All

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	Work Order #	Date Created	Equipment	Task	Date Schedule	Maintenance Gro	Assigned User	Work Priority	Work Type	Days to Complete	Work Status	Date Delinquent	Department	Location	SubLocation	Criticality Ranking
	5776	5/28/2021	LOC-117	General repairs	5/28/2021	Mechanics		Medium	Scheduled	90	On Hold	8/26/2021	Hominy Creek...	HC-020 Headw...		
	7579	10/18/2021	EXTFAN-854	Supply/Exhaust Fan Repairs	10/18/2021	Mechanics	iblackman	Low	Scheduled	1	Active	10/19/2021	Hominy Creek...	HC-210B Poly...		
	7678	10/25/2021	LGT-097	Lighting repair work	10/25/2021	Mechanics	mstone	Medium	Scheduled	1	On Hold	10/26/2021	Lift Stations	LS-040 South S...		
	7680	10/25/2021	CLARIF-002	Valve Repair	10/25/2021	Mechanics		Medium	Scheduled	30	On Hold	11/24/2021	Hominy Creek...	HC-050-02 Pri...		
	7737	11/5/2021	LGT-058	Lighting repair work	11/5/2021	Mechanics		Medium	Scheduled	60	On Hold	1/4/2022	Hominy Creek...	HC-002 Grounds		
	7738	11/5/2021	LGT-058	Lighting repair work	11/5/2021	Mechanics		Medium	Scheduled	60	On Hold	1/4/2022	Hominy Creek...	HC-002 Grounds		
	7739	11/5/2021	LGT-058	Lighting repair work	11/5/2021	Mechanics		Medium	Scheduled	60	On Hold	1/4/2022	Hominy Creek...	HC-002 Grounds		
	7916	11/23/2021	PMP-146	General repairs	11/23/2021	Mechanics	iblackman	Medium	Scheduled	7	On Hold	11/30/2021	Hominy Creek...	HC-070-01-06...		
	8248	12/20/2021	CHKVLVE-040	Check Valve Broken/Leaking	12/20/2021	Mechanics	dhedgepeth	Medium	Unscheduled	1	Active	12/21/2021	Hominy Creek...	HC-100B-01-0...		
	8479	1/18/2022	GR-074	(6) Month Walker Clarifier Geardrive Oil Change	2/1/2022	Mechanics	mstone	Medium	Scheduled PM	14	Active	2/15/2022	Hominy Creek...	HC-090-03 Sec...		
	8480	1/18/2022	GR-035	(6) Month Walker Clarifier Geardrive Oil Change (02)	2/1/2022	Mechanics	mstone	Medium	Scheduled PM	14	Active	2/15/2022	Hominy Creek...	HC-090-03 Sec...		
	8565	1/25/2022	GR-033	(6) Month Walker Clarifier Geardrive Oil Change (01)	2/8/2022	Mechanics	mstone	Medium	Scheduled PM	14	Active	2/22/2022	Hominy Creek...	HC-090-02 Sec...		
	8566	1/25/2022	GR-073	(6) Month Walker Clarifier Geardrive Oil Change (03)	2/8/2022	Mechanics	mstone	Medium	Scheduled PM	14	Active	2/22/2022	Hominy Creek...	HC-090-02 Sec...		
	8858	2/22/2022	GR-014	(2) Year Classifier Gear Drive Oil Change	3/8/2022	Mechanics	dhedgepeth	Medium	Scheduled PM	30	Active	4/7/2022	Hominy Creek...	HC-040A-01-0...		
	8859	2/22/2022	GR-012	(2) Year Classifier Gear Drive Oil Change (01)	3/8/2022	Mechanics	dhedgepeth	Medium	Scheduled PM	30	Active	4/7/2022	Hominy Creek...	HC-040A-01-0...		
	9045	3/10/2022	EXTFAN-803	Motor issue	3/10/2022	Mechanics	mstone	Medium	Unscheduled	1	Active	3/11/2022	Hominy Creek...	HC-170 Digest...		
	9015	3/6/2022	GR-071	(6) Month Barscreen Cnvr Gear Reducer Oil Change	3/20/2022	Mechanics	mstone	Medium	Scheduled PM	14	Active	4/3/2022	Hominy Creek...	HC-020-01 Bar...		
	9016	3/7/2022	GR-009	(6) Month Barscreen Press Gear Reducer Oil Change	3/21/2022	Mechanics	iblackman	Medium	Scheduled PM	14	Active	4/4/2022	Hominy Creek...	HC-030-01 Bar...		
	9284	3/28/2022	LOC-153	Electrical Service Install	3/29/2022	Mechanics	dhedgepeth	Medium	Scheduled	2	Active	3/31/2022	Hominy Creek...	HC-210 Belt Pr...		
	9288	3/29/2022	BLWR-005	Weekly Neuros Blower Inspection	4/4/2022	Operations		Medium	Scheduled PM	7	New	4/11/2022	Hominy Creek...	HC-080-01-05...		
	9291	3/29/2022	BLWR-004	Weekly Neuros Blower Inspection (01)	4/5/2022	Operations		Medium	Scheduled PM	7	New	4/12/2022	Hominy Creek...	HC-080-01-04...		
	9427	4/6/2022	BOILER-002	Valve Repair	4/6/2022	Mechanics		Low	Scheduled	30	New	5/6/2022	Hominy Creek...	HC-180A-02-0...		
	9428	4/6/2022	BOILER-003	Valve Repair	4/6/2022	Mechanics		Low	Scheduled	30	New	5/6/2022	Hominy Creek...	HC-180A-02-0...		
	9176	3/24/2022	GR-072	(2) Year Bar Screen Gear Drive Inspection and Lube	4/7/2022	Mechanics	iblackman	Medium	Scheduled PM	30	Active	5/7/2022	Lift Stations	LS-020-02 Stan...		
	9179	3/24/2022	GR-023	Annual Clarifier Main Gear Drive Oil Change (01)	4/7/2022	Mechanics	dhedgepeth	Medium	Scheduled PM	30	Active	5/7/2022	Hominy Creek...	HC-050-02-01...		
	9211	3/25/2022	GR-039	Annual Clarifier Main Gear Drive Oil Change	4/8/2022	Mechanics		Medium	Scheduled PM	30	New	5/8/2022	Hominy Creek...	HC-090-05 Sec...		
	9215	3/25/2022	BLWR-005	Monthly Neuros Blower Inspection/Service	4/8/2022	Operations		Medium	Scheduled PM	7	New	4/15/2022	Hominy Creek...	HC-080-01-05...		
	9219	3/25/2022	GR-025	Annual Clarifier Main Gear Drive Oil Change (02)	4/8/2022	Mechanics	dhedgepeth	Medium	Scheduled PM	30	Active	5/8/2022	Hominy Creek...	HC-050-02-02...		
	9220	3/25/2022	GR-037	Annual Clarifier Main Gear Drive Oil Change (05)	4/8/2022	Mechanics		Medium	Scheduled PM	30	New	5/8/2022	Hominy Creek...	HC-090-04 Sec...		
	9221	3/25/2022	GR-016	Annual Grit Chamber Primary Geardrive Oil Change (01)	4/8/2022	Mechanics	iblackman	Medium	Scheduled PM	30	Active	5/8/2022	Hominy Creek...	HC-040C-01 Gr...		
	9224	3/25/2022	BLWR-004	Monthly Neuros Blower Inspection/Service (01)	4/8/2022	Operations		Medium	Scheduled PM	7	New	4/15/2022	Hominy Creek...	HC-080-01-04...		
	9227	3/26/2022	PMP-252	Monthly Gorman Rupp T6A3S General Inspection	4/9/2022	Mechanics	dhedgepeth	Medium	Scheduled PM	7	New	4/16/2022	Lift Stations	LS-050-01-02...		
	9229	3/26/2022	SYS-033	Monthly Waste Gas Burning System Inspection/Svc	4/9/2022	Mechanics		Medium	Scheduled PM	7	New	4/16/2022	Hominy Creek...	HC-180B		
	9230	3/26/2022	BRSCRN-005	Annual Bar Screen Inspection/Service LS-020 (01)	4/9/2022	Mechanics	mstone	Medium	Scheduled PM	30	New	5/9/2022	Lift Stations	LS-010-02 Lon...		

257 records, 0 selected

Attachment 7

Water & Sewer Financial Information



North Carolina Department of Environmental Quality
Division of Water Infrastructure
Water & Sewer Financial Information Form



(Updated: February 2022)

Complete the following information related to your utility's water/sewer Enterprise Fund. If your Enterprise Funds are separate for water and sewer, *please provide sheets for the appropriate fund*. For expenditures, use only absolute values (i.e., no negative values). *Do not modify this form.*

1. Supply the required information below.

Combined System Water System Sewer System

Unit Name: City of Wilson

Fund Name: Water Resources Operating Fund

2. Provide the following information for the past three fiscal years *for which an audit has been completed* and submitted to the Local Government Commission.

	Fiscal Years		
	2021	2020	2019
Operating Revenues			
Customer Charges	27,300,990	27,200,430	26,109,904
Connection Fees			
Other Operating Revenues	914,719	808,803	665,105
Total Operating Revenues	28,215,709	28,009,233	26,775,009
Expenditures			
<i>Administration</i>			
Salaries	298,277	286,173	272,785
Other	3,497,403	3,421,827	3,463,813
<i>Operations</i>			
Salaries	7,268,836	6,965,330	6,734,038
Other	7,199,497	7,344,944	6,665,299
Total Expenditures	18,264,013	18,018,324	17,135,935
Other (do not include depreciation)			
Debt principal	3,542,700	3,543,324	3,462,925
Interest	404,651	509,557	602,750
Capital outlay	4,762,411	8,241,895	5,669,758
Capital reserve	0	67,090	492,450
Transfer from (to) other funds			
Other (list):			
Total Other	8,709,762	12,361,866	10,227,883
Net Income (Loss)	1,241,934	(2,370,957)	(588,809)

(OVER)

3. Certification. Please read and sign below.

I attest that the fiscal information provided in this form, to the best of my knowledge, is accurate, complete, true, and matches audits for the past three years. I further attest that, to the best of my knowledge, if City of Wilson (Local government unit) has made any transfers within the past three years, these transfers are shown in Item #2 of this form.

Amy G. Staton

SIGNATURE OF
FINANCE OFFICER

4-7-2022

DATE

Amy G. Staton

TYPED NAME

Chief Financial Officer

TYPED TITLE

North Carolina Department of Environmental Quality

Division of Water Infrastructure

Fund Transfer Certification

(Not needed for CDBG-I only projects)

(revised February 2022)



§ 159G-37(b) requires that all local governments applying for funding from the Clean Water State Revolving Fund, the Wastewater Reserve, the Drinking Water State Revolving Fund, the Drinking Water Reserve, or the Viable Utility Reserve for water or wastewater projects certify that no funds received from water or wastewater utility operations have been transferred to the local government's general fund for the purpose of supplementing the resources of the general fund since July 1, 2014. The prohibition contained in § 159G-37(b) shall not be interpreted to include payments made to the local government to reimburse the general fund for expenses paid from that fund that are reasonably allocable to the regular and ongoing operations of the utility, including, but not limited to, rent and shared facility costs, engineering and design work, plan review, and shared personnel costs. **Note:** A payment in lieu of taxes (PILOT) is not exempt from this certification unless the PILOT is calculated to reimburse for these specific expenses.

Applicant's Certification:

I, as a representative of City of Wilson, hereby certify that since July 1, 2014, funds received from the water and/or wastewater utility have: (**CHOOSE ONE**)

been transferred from the water and/or sewer enterprise fund to the general fund AND were reasonably allocable to the regular and ongoing operations of the utility in accordance with § 159G-37(b),

OR

not been transferred from the water and/or sewer enterprise fund to the general fund.

Any transfers must be consistent with the information provided in the Division of Water Infrastructure's Water & Sewer Financial Information Form and must be accurately reflected in the audits as reported by the Local Government Unit to the Local Government Commission since July 1, 2014.

Amy G. Staton

SIGNATURE OF AUTHORIZED REPRESENTATIVE OR FINANCIAL OFFICER

4-7-2022

DATE

Amy G. Staton

TYPED NAME

Chief Financial Officer

TYPED TITLE

	Fiscal Years				
	2021	2020	2019	2018	2017
Operating Revenues					
Customer Charges	27,300,990	27,200,430	26,109,904	24,757,229	24,463,603
Impact Fees	0	0	0	0	0
Other Revenue	914,719	808,803	665,105	1,809,589	599,886
Total Operating Revenues	28,215,709	28,009,233	26,775,009	26,566,818	25,063,489
Expenditures					
Administration					
Salaries	298,277	286,173	272,785	165,469	146,591
Other	3,497,403	3,421,827	3,463,813	3,431,572	3,302,046
Operations					
Salaries	7,268,836	6,965,330	6,734,038	6,756,588	6,726,855
Other	7,199,497	7,344,994	6,665,299	6,799,795	6,598,044
Total Expenditures	18,264,013	18,018,324	17,135,935	17,153,424	16,773,536
Other (do not include depreciation)					
Debt principal	3,542,700	3,543,324	3,462,925	3,451,300	3,447,425
Interest	404,651	509,557	602,750	725,683	843,393
Capital outlay	4,762,411	8,241,895	5,669,758	3,436,954	4,987,089
Capital reserve	0	67,090	492,450	156,780	456,600
Transfer from (to) other funds					
Other (list):					
Total Other	8,709,762	12,361,866	10,227,883	7,770,717	9,734,507
Net Income (Loss)	1,241,934	(2,370,957)	(588,809)	1,642,677	(1,444,554)

1.046 0.924 0.996 1.073 0.962

Operating Revenues ÷ (Total Expenditures + Debt Principal + Interest + Capital Outlay)

1.000

Calculation not including transfer to Capital reserve in denominator

Attachment 8

Certified Utility Rates

**CITY OF WILSON
WATER SCHEDULE**

1.0 AVAILABILITY:

1.1 This schedule is available to all domestic, commercial and industrial water services, subject to all City regulations and policies including those contained in Chapter 21 and 32 of the City Code and under the various applicable provisions contained hereunder.

2.0 APPLICABILITY:

2.1 This schedule is applicable to all water supplied to customer premises at one point of delivery through one water meter.

3.0 TYPE OF SERVICE:

3.1 The volume of water flow and pressure at the point of delivery, location of the meter, minimum specifications for connections and all other technical requirements shall be in accordance with the City's practices and procedures.

4.0 INSIDE CITY LIMITS:

4.1 Inside Rate Schedule

0	-	50 ccf	@	\$ 3.91 Per 100 cf
51	-	10,000 ccf	@	\$ 3.50 Per 100 cf
Over		10,000 ccf	@	\$ 2.82 Per 100 cf

4.2 Inside Minimum Charges

<u>Meter Size</u>	<u>Cost Per Month</u>
5/8, 3/4 or 1	\$ 12.00 Per Month
1 & ½	\$ 22.08 Per Month
2	\$ 34.19 Per Month
3	\$ 62.39 Per Month
4	\$102.72 Per Month
6	\$203.52 Per Month
8	\$324.47 Per Month
10	\$505.92 Per Month

5.0 OUTSIDE CITY LIMITS:

An additional charge equal to one hundred percent (100%) of the inside rate schedule determined in Section 4.0 above shall be added to the monthly water charge for outside customers as an availability charge as follows:

5.1 Availability Rate Schedule (200% of Inside Rate Schedule)

0	-	50 ccf	@	\$ 7.82 Per 100 cf
51	-	10,000 ccf	@	\$ 7.00 Per 100 cf
Over		10,000 ccf	@	\$ 5.64 Per 100 cf

**CITY OF WILSON
WATER SCHEDULE**

1.0 AVAILABILITY:

- 1.1 This schedule is available to all domestic, commercial and industrial water services, subject to all City regulations and policies including those contained in Chapter 21 and 32 of the City Code and under the various applicable provisions contained hereunder.

2.0 APPLICABILITY:

- 2.1 This schedule is applicable to all water supplied to customer premises at one point of delivery through one water meter.

3.0 TYPE OF SERVICE:

- 3.1 The volume of water flow and pressure at the point of delivery, location of the meter, minimum specifications for connections and all other technical requirements shall be in accordance with the City's practices and procedures.

4.0 INSIDE CITY LIMITS:

4.1	Inside Rate Schedule			
	0	-	50 ccf	@ \$ 3.91 Per 100 cf
	51	-	10,000 ccf	@ \$ 3.50 Per 100 cf
	Over		10,000 ccf	@ \$ 2.82 Per 100 cf

4.2	Inside Minimum Charges		
	<u>Meter Size</u>		<u>Cost Per Month</u>
	5/8, 3/4 or 1		\$ 12.00 Per Month
	1 & ½		\$ 22.08 Per Month
	2		\$ 34.19 Per Month
	3		\$ 62.39 Per Month
	4		\$102.72 Per Month
	6		\$203.52 Per Month
	8		\$324.47 Per Month
	10		\$505.92 Per Month

5.0 OUTSIDE CITY LIMITS:

An additional charge equal to one hundred percent (100%) of the inside rate schedule determined in Section 4.0 above shall be added to the monthly water charge for outside customers as an availability charge as follows:

- 5.1 Availability Rate Schedule (200% of Inside Rate Schedule)

	0	-	50 ccf	@	\$ 7.82 Per 100 cf
	51	-	10,000 ccf	@	\$ 7.00 Per 100 cf
	Over		10,000 ccf	@	\$ 5.64 Per 100 cf

CITY OF WILSON
WASTEWATER RATE SCHEDULE

1.0 AVAILABILITY:

- 1.1 This schedule is available to all domestic, commercial and industrial sewer services, subject to all City regulations and policies including those contained in Chapter 31 and 32 of the City Code and under the various applicable provisions contained hereunder.

2.0 APPLICABILITY:

- 2.1 This schedule is applicable to all sewer collected from the customers premises whether or not the same is metered. All users shall participate in the Users Charge/Industrial Cost Recovery (UC/ICR) provisions as applicable, pursuant to federal regulation 40 CFR Sections 35.925-11, 35.925-12, 35.928, and Appendix B, and as approved by the United States Environmental Protection Agency.

3.0 TYPE OF SERVICE:

- 3.1 The volume of sewer flow, location of any meters, minimum specifications for connection, and all other technical requirements shall be in accordance with the City's practices and procedures.

4.0 SEWER RATE FOR BASIC SERVICE:

- 4.1 The sewer rental hereby imposed shall be a monthly charge based upon the volume of water supplied for the then current calendar month or such less period as may be covered by the water bill to such premises. **The rate of charge shall be calculated at ninety percent (90%) of the water consumption by volume times \$ 5.40 per 100 cubic feet.** Such rate of charge shall be subject to change by the City Council from time to time.
- 4.2 An additional charge equal to one hundred percent (100%) of the monthly sewer rental determined in Section 4.1 above shall be added to the monthly charge for outside customers as an availability charge.

5.0 MONTHLY CAPACITY CHARGE:

- 5.1 In addition to the monthly sewer charge set forth in section 4.1 above, there shall also be assessed against every customer a monthly capacity charge based upon the size of each meter serving customer's premises. The monthly capacity charge until changed by City Council, shall be the monthly charge for sewer service and shall be as follows:

**CITY OF WILSON
WASTEWATER RATE SCHEDULE
(Continued)**

Meter Size (Inside)	Capacity Charge (Inside)
5/8	\$ 13.00 Per Month
3/4	\$ 13.00 Per Month
1	\$ 13.00 Per Month
1 ½	\$ 24.00 Per Month
2	\$ 37.18 Per Month
3	\$ 67.95 Per Month
4	\$111.90 Per Month
6	\$221.78 Per Month
8	\$353.64 Per Month
10	\$551.43 Per Month

An additional charge equal to one hundred percent (100%) of the monthly capacity charge determined above shall be added to the monthly capacity charge for outside customers as an availability charge, such that the monthly capacity charge for outside customers shall be as follows:

Meter Size (Availability)	Capacity Charge (Availability)
5/8	\$ 26.00 Per Month
3/4	\$ 26.00 Per Month
1	\$ 26.00 Per Month
1 & ½	\$ 48.00 Per Month
2	\$ 74.36 Per Month
3	\$135.90 Per Month
4	\$223.80 Per Month
6	\$443.56 Per Month
8	\$707.28 Per Month
10	\$1102.86 Per Month

6.0 MONTHLY SURCHARGE:

- 6.1 The monthly sewage charges described in Sections 4.1 and 5.1 above are the base volume and capacity charges for the discharge of domestic waste into the City's waste water treatment system. In addition to the charges set forth in Sections 4.1 and 5.1 above, all persons discharging industrial waste into the City sanitary sewer system shall be rendered a monthly bill as a surcharge representing the entire cost incurred by the City to treat all waste containing pollutants whose quantity or quality is in excess of the level normally found in domestic waste as set forth in Section 32-55 of the City Code. The monthly surcharges are as follows:



CITY OF WILSON

North Carolina

INCORPORATED 1849

Office of the City Clerk

Certification

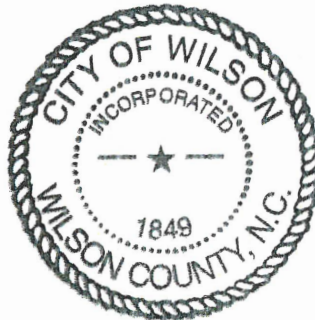
I, Tonya A. West, City Clerk of the City of Wilson, North Carolina, do hereby certify that the foregoing is a true and accurate copy of the City of Wilson Water and Sewer Rate Tables that went into effect July 1, 2021.

WITNESS MY HAND AND THE SEAL OF THE CITY OF WILSON, NORTH CAROLINA, this the 30th day of September, 2021.

A handwritten signature in black ink that reads "Tonya A. West".

Tonya A. West, City Clerk – City of Wilson
Wilson, North Carolina

(SEAL)



Attachment 9

Affordability Calculator

NC Division of Water Infrastructure Spring 2022 Affordability Calculator

← Complete data entry cells in yellow

Updated 2/14/2022. This tool can be used by Applicants to determine eligibility for grant/principal forgiveness funding and to complete the affordability calculations in the application for funding.

Enter Name of Applicant: **City of Wilson**

STEP 1: Applicant's Designation and Assessment Criteria Score

Select Applicant from menu: **Wilson**

Designated as "Distressed" in accordance with NCGS 159G-45? **No**

VUR Assessment Criteria Score: **1**

Wholesale-only service provider? **No**

If applying for a project with more than one local government unit, select the local government that is either designated as distressed or has the greatest VUR Assessment Criteria score.

STEP 2: Residential Connections

How many residential connections does your system contain? **22,796**

Enter number of residential connections for the water system or the wastewater system, depending on your application's project (DW or WW).

STEP 3: Local Government Unit (LGU) Economic Indicators

Enter your local government unit parameters and service area coverage as shown below. Select local government(s) in your service area.

Enter name of LGU (if not listed above) →	Wilson	Johnston County	Wilson County	Elm City	Total:		State Benchmarks are:	Worse than State Benchmark?	
LGU Coverage (% of service area)	86%	10%	3%	1%	100%				
Population:	49,272	196,870	81,435	1,445					
Population Change	-0.42%	10.36%	-0.18%	-11.35%	0.56%	<=	4.26%	Yes	
Poverty Rate	23.2	12.5	20.3	26.4	22.075	>=	14.7	Yes	
Median Household Income	\$42,036	\$59,865	\$43,877	\$40,451	\$43,858	<=	\$54,602	Yes	
Unemployment Rate	5.8	3.6	5.8	5.8	5.58	>=	3.9	Yes	
Total Appraised Value of Property	\$4,211,958,171	\$20,738,464,281	\$7,122,016,397	\$70,181,757					
Calculated Prop. Val. per Capita	\$85,484	\$105,341	\$87,456	\$48,569	\$87,160	<=	\$119,594	Yes	
								# of Indicators worse than State Benchmark	5

STEP 4: Existing Revenues

Enter the following information below.

Operating Revenues _{Water & Sewer} :	\$28,215,709
Total Expenditures _{Water & Sewer} :	\$18,264,013
Debt Principal _{Water & Sewer} :	\$3,542,700
Interest _{Water & Sewer} :	\$404,651
Project Cost:	\$3,723,080
Calculated Operating Ratio _{Future} :	1.26

Step 5: Water/Sewer Utility Information

Combined water and sewer provider, or single service? **Combined water and sewer provider**

Is your project a water or wastewater project? **Water**

Current monthly bill for 5,000 gallons:

Water Rate	\$38.16
Sewer Rate	\$45.45

"Effective" combined water & sewer bill for 5,000 gallons: **\$83.61**

Number of non-residential connections: **2,082**

Calculated total number of connections: **24,878**

Project cost per connection per month: **\$0.62**

Eligibility for American Rescue Plan Act (ARPA) Grant Funding

ARPA grants are administered through the Viable Utility Reserve and the State Reserves. All local government utilities and non-profit water corporations are eligible recipients of ARPA grants for planning/study projects and construction projects. More funds are available for, and higher grant limits apply to, ARPA construction grants from the Viable Utility Reserve and for At-Risk Systems than for All Other Systems as described in the ARPA Administration Plan. See your eligibility below. ARPA funding is up to 100% grant and is not subject to the percentage limits of the Affordability Criteria for SRF Principal Forgiveness/SRF grant eligibility. ARPA funds are subject to availability and limits specified in the Administration Plan.

[See the ARPA Administration Plan on the Division's website for more details.](#)

Local government utility or non-profit water corporation is eligible for ARPA project construction grants for 'All Other Systems' (not Viable Utility Reserve or At-Risk Systems) and for planning/study grants from the State Reserves. Eligible for ARPA project construction grants for At-Risk Systems if project is primarily to connect residences in disadvantaged, underserved areas to the water/wastewater system.

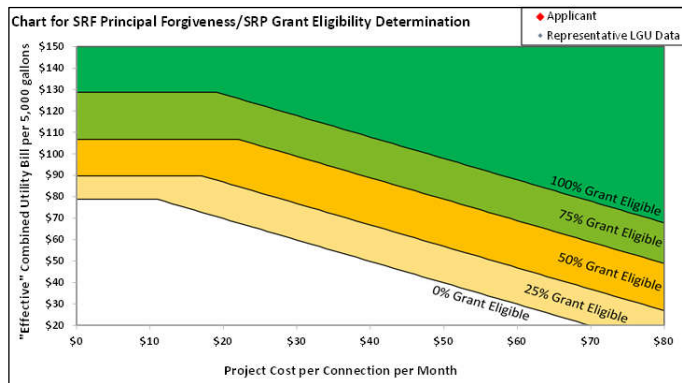
Eligibility for State Revolving Fund (SRF) Principal Forgiveness and State Reserve Program Grants (not ARPA-funded)

Eligibility is limited by the percentage below, funding request amount, caps on SRF principal forgiveness or SRP grants based on project type, and PF or grant availability.

Percentage of funding request amount eligible for SRF Principal Forgiveness or SRP grant:

You are not eligible for SRF Principal Forgiveness/SRP grant (non-ARPA). You are eligible for a 100% loan.

Limit not applicable to ARPA grants.



* Representative LGU data plotted using Project Cost in Step 4, and project type selection (Water or Wastewater) in Step 5.

Graph is truncated: \$0-\$80 (X-axis), \$20-\$150 (Y-axis)