

WILTON PUBLIC WORKS
DEPARTMENT

(203) 563-0152



TOWN HALL ANNEX
238 Danbury Road
Wilton, Connecticut 06897

MEMORANDUM

TO: Erik Linqvist – Tighe & Bond
(submitted via e-mail)

FROM: Frank Smeriglio, PE, *F.S.*
Director of Public Works/Town Engineer

CC: Michael Wrinn – Director, Planning & Land Use Management

DATE: February 4, 2022

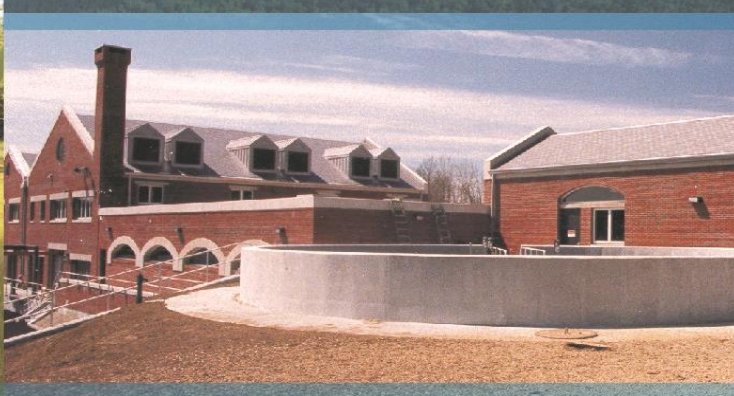
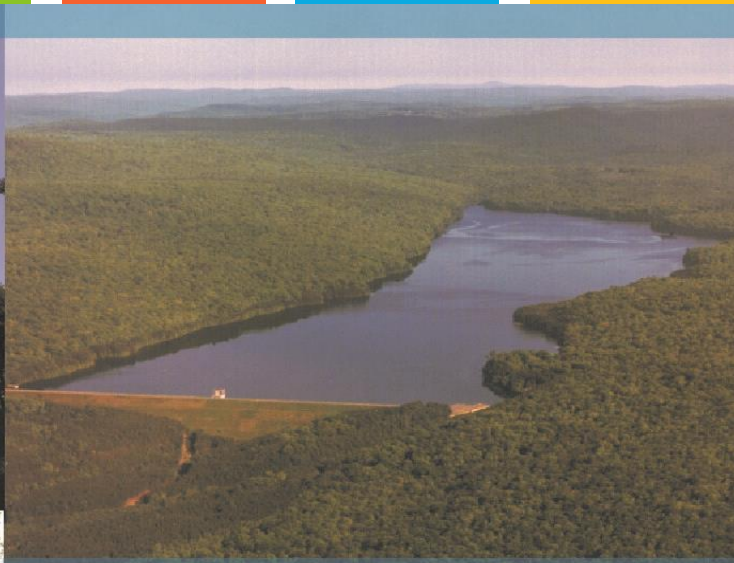
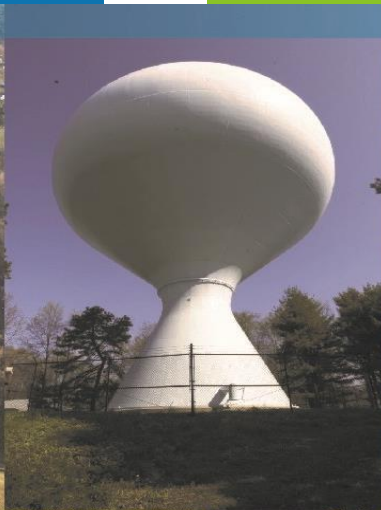
RE: 141 Danbury Road – FDSPIN 141 DR LLC
SP #481

This is written in regards to the review of revised Sanitary sewer report dated January 18, 2022. The revised Sanitary Sewer Report was modified based on our review letter dated September 17, 2021 and various e-mail discussions in December 2021 and January 2022. Based on the review of the above mentioned application at this time, the following are the Engineering Department's comments relating to the proposed sanitary sewer system:

1. The project is subject to obtaining approvals from Wilton's WPCA Commission to connect additional units into the sanitary sewer system. Next meeting is scheduled for Feb. 24, 2022.
2. Project is subject to Norwalk WPCA's review and approval. Initial Sanitary Sewer Reports were forwarded on July 27, 2021. Revised documents dated Jan. 18, 2022 were forwarded to Norwalk WPCA on Jan 24, 2022.
3. The project will be subject to Sewer Capital Assessment as required by the WPCA. Assessment will be levied upon completion of the project.
4. Final design plans shall be submitted to DPW for review and approval prior to the issuance of a Building Permit.
5. During Construction, Design Engineer shall evaluate if the existing ladder rungs in the manhole are located at the tie in side of the manhole. If yes, Design Engineer shall revise connection detail accordingly for our approval.

6. For the proposed pool:
 - a) What are the discharge frequencies and flow rates associated with the pump discharge.
 - b) General Permit for the discharge of Swimming Pool Wastewater must be filed with the Town of Wilton and/or State of Connecticut prior to the issuance of a Certificate of Occupancy.
 - c) Pump discharge times will not be allowed between 8:00am and 11:00 pm or as approved by the Town Engineer.
7. Please note, Property owner shall be responsible for maintenance and any potential clogs in the lateral and/or sewer main connection points up to the main sewer line on Route 7.
8. All proposed sewer lines shall be air tested prior to sign off of certificate of occupancy.
9. All proposed work in the State Right of Way shall be subject to the State Encroachment Permit approval.
10. Prior to the issuance of a Certificate of Occupancy, a certified as-built drawing and certified letter signed by a Professional Engineer indicating that all work was completed in accordance with the design plans shall be submitted to the Town of Wilton.

If you have any questions, please do not hesitate to call.



141 Danbury Road
Wilton, Connecticut

Sewer Study

Prepared For:

FDSPIN 141 DR, LLC
1 North Water Street, Suite 100
South Norwalk, CT 06854

January 3, 2022

Tighe&Bond

Section 1 Introduction and Site Conditions

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Appendix A Location Map

Town of Wilton Sanitary Sewer As-Built
Utility Plan (C-401)

Appendix B Sanitary Effluent Calculation Worksheet

Appendix C Sanitary Sewer Main Pipe Capacity Analysis

Appendix D Flow Metering and Rainfall Data

Section 1

Introduction and Site Conditions

Tighe & Bond has prepared this study at the request of the Town of Wilton, Department of Public Works. FDSPIN 141 DR LLC ("Applicant") received Planning and Zoning approval for a proposed 4½ story multi-family residential building with 173 apartments (Resolution #1121-481SP) on November 11, 2021.

The project site is located on a 4.28-acre parcel bounded by Danbury Road to the east, the Norwalk River to the west, and commercial properties to the north and south. The proposed development consists of the construction of a 173-unit residential building, at-grade parking, stormwater management systems, utility services, lighting, and associated landscaping. Refer to **Figure 1**, Site Location Map.

This study will evaluate the estimated effluent sewage generation rates for the proposed building verse the existing condition, and its impact on the 24-inch sanitary sewer main in Danbury Road.

1.1 Existing Conditions

The existing site consists of a 47,040 square foot commercial building with at-grade parking. The 4.28-acre parcel is located within Wilton's DE-5 Design Enterprise District Zone. A significant portion of the site is impervious with paved parking areas, sidewalks, and building, with landscaping and lawns generally around the perimeter of the site. Utility services to the site include underground water, sewer, natural gas, overhead electric, and tele-data, connecting to service mains in Danbury Road.

The site is located on Danbury Road (Route 7) which is a north-south three lane State maintained major arterial roadway. The Town sewer main is located in the western shoulder of Danbury Road running in the same direction.

1.2 Project Proposal

The proposed 4½ story multi-family residential building will be home to 173 apartments consisting of one-bedroom (37), two-bedroom (122), and three-bedroom (14) units. The proposed building is situated in the central portion of the site, with driveway and parking areas along the northern and southern sides of the building. The ground floor will include surface parking spaces (covered and uncovered) as well as utility/trash rooms and building access points.

All uncovered parking will be screened from view by landscaping. The existing driveway into the property will be widened to accommodate the traffic to and from the site, with dedicated turning lanes onto Danbury Road. The western end of the property will be converted into green space with associated landscaping and walking paths along the Norwalk River. New utility services to the property are proposed including underground sewer, water, natural gas, electric, and tele-data.

Utilities will largely mimic the existing condition with all services being provided off of service mains in Danbury Road.

Section 2 - Sanitary Sewer Service

2.1 Capacity Analysis

The project site is located within the Wilton WPCA Sewershed. Based on the project survey and available Town as-built maps (See **Appendix A**), there is a 24-inch gravity sanitary sewer main located in Danbury Road. The proposed building will connect to the existing sewer main thru a new 6-inch lateral by constructing an outside drop manhole at the existing manhole adjacent to the site driveway entry.

The projected wastewater flows associated with the proposed development were calculated based on the 173 residential units with 323 total bedrooms and a flow rate of 150 gallons per day (GPD) per bedroom. A peaking factor of 4 was applied to the average daily flow (48,450 GPD) to estimate a peak flow of 135 GPM or 0.299 CFS (see **Appendix B** for Calculations). Similarly, the existing flows from the site were calculated based on a 47,040 S.F. office building and a flow rate of 0.1 GPD per square foot of office. A peaking factor of 4 was also used to estimate the peak flow (13.1 GPM or 0.029 CFS) from the average daily flow of 4,704 GPD. The estimated difference between the existing and proposed flow rates was calculated to be a net increase of 0.27 CFS.

Flow metering was provided over a 4-week period in October and November of 2021 from a manhole on the 24-inch sewer main just north of the site (See Site Location Map, Figure 1). The results of the flow metering can be observed in **Appendix D** of this report. A peak flow of 1,013.1 GPM (2.26 CFS) over the 4-week period was observed on October 26th and is the basis of our capacity analysis. It is important to note that the peak flow for this analysis was roughly 40 to 50% higher than the typical daily peak flow due to significant levels of inflow and infiltration of stormwater into the system. Three lines were identified by the Town of Wilton Department of Public Works for analysis and each has been evaluated for capacity based on the peak flow observed during the flow metering (2.26 CFS) and the estimate net increase from the proposed site (0.27 CFS). The three lines used in the analysis are identified in **Appendix D** on the Town As-Built Maps, and the capacity analysis for the three lines can be observed in **Appendix C. Table-1** Below shows a summary of the 3 lines evaluated and their estimated flow to full capacities. Based on this evaluation it is our professional opinion that the existing sewer main in Danbury Road will have ample capacity to receive the additional flow being generated from the proposed development.

Table-1 – Capacity Analysis of Danbury Road Sewer Main

Capacity Calculations						
Line ID	Slope (ft/ft)	Maximum Capacity (CFS)	Existing Peak Flow (CFS)	Existing Flow to Full (%)	Proposed Flow (CFS)	Proposed Flow to Full (%)
1	0.0007	6.00	2.257	38	2.527	42
2	0.0017	9.35	2.257	24	2.527	27
3	0.0019	9.89	2.257	23	2.527	26

Tighe&Bond

APPENDIX A



141 DANBURY ROAD
WILTON, CONNECTICUT
SITE LOCATION MAP




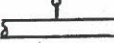
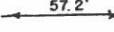
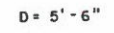
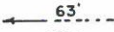



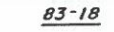



FIGURE 1

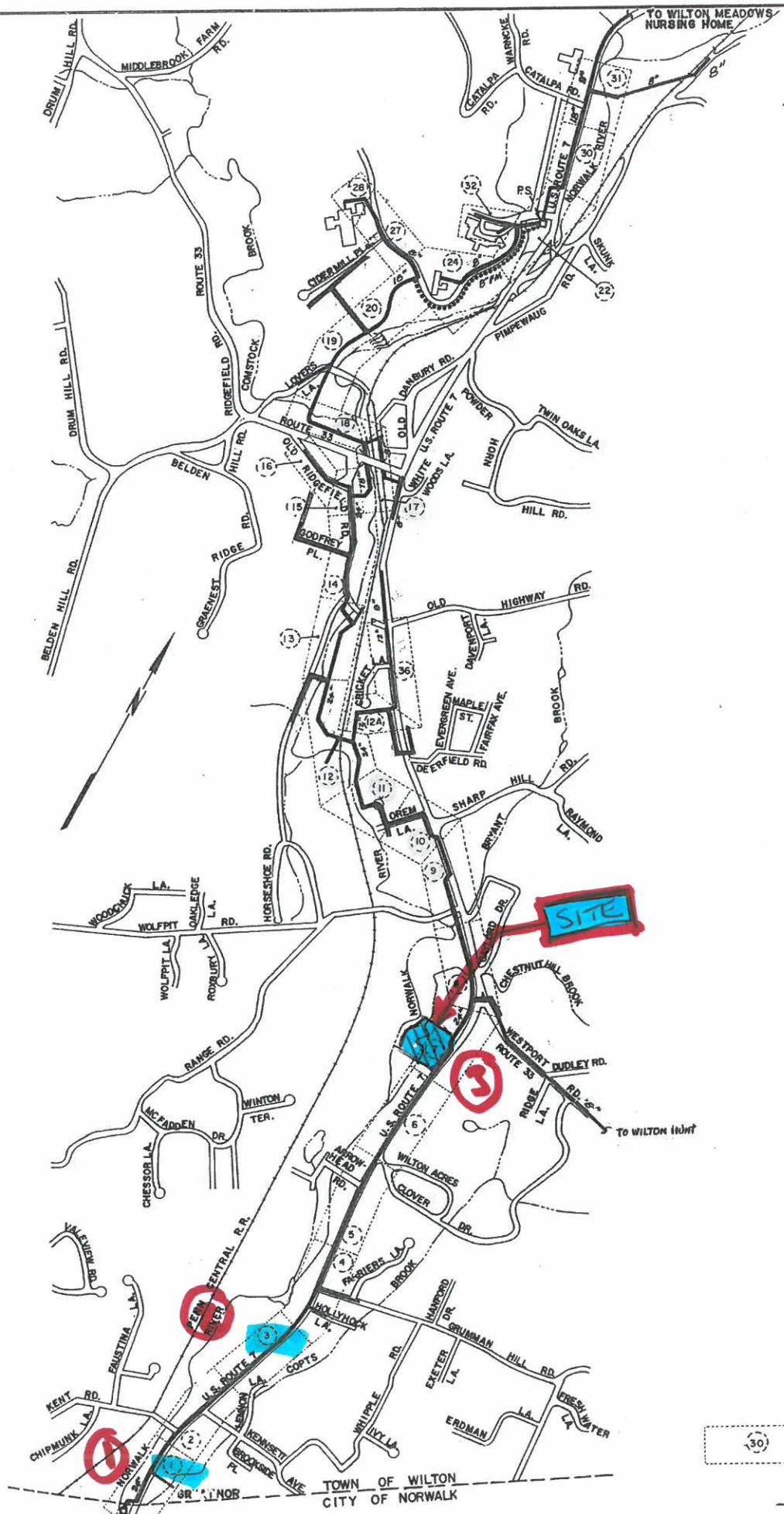
TOWN OF WILTON SANITARY SEWER SYSTEM 1977

AS - BUILT

LEGEND FOR AS-BUILT RECORD

-  MANHOLE
-  MAIN SEWER LINE
-  LATERAL TO RIGHT OF WAY LINE
-  CHIMNEY CONNECTION
-  57.2' TIES TO END OF LATERAL PIPE
-  D = 5'-6" DEPTH TO PIPE BELOW GROUND SURFACE
-  63' TIES TO MANHOLE COVERS
-  179° 16' HORIZONTAL ANGLE BETWEEN MANHOLES
-  247.5 DISTANCE BETWEEN MANHOLE COVERS AT GROUND SURFACE
-  LEDGE ROCK ENCOUNTERED DURING CONSTRUCTION
-  83-18 SLANTED NUMBERS ARE ASSESSORS TAX NUMBER FOR PROPERTY OWNERSHIP RECORDS.

 PIPE ANALYSIS PERFORMED



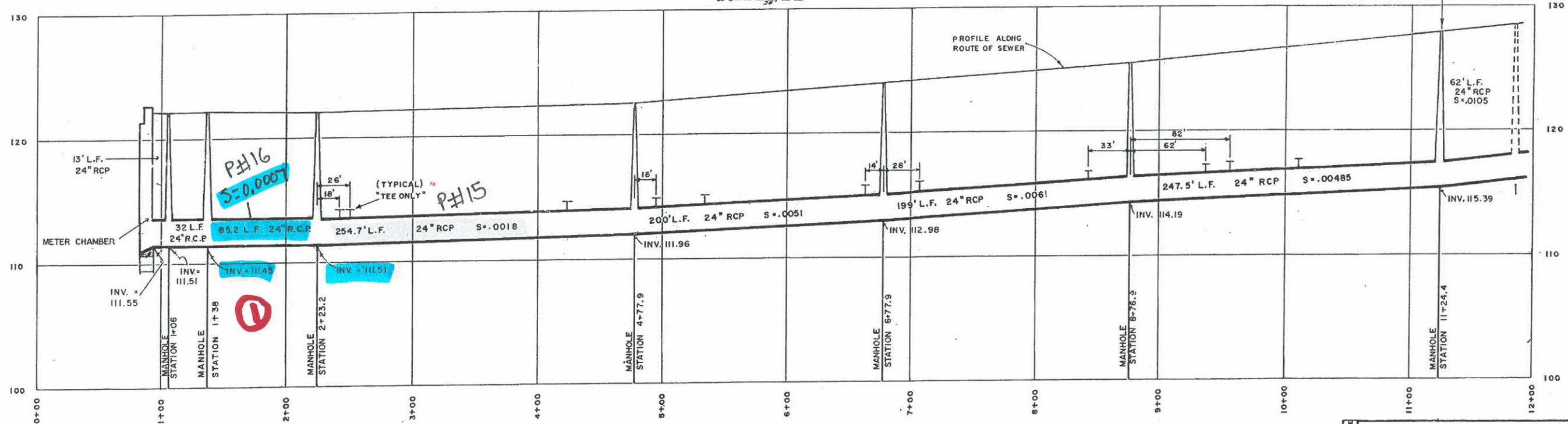
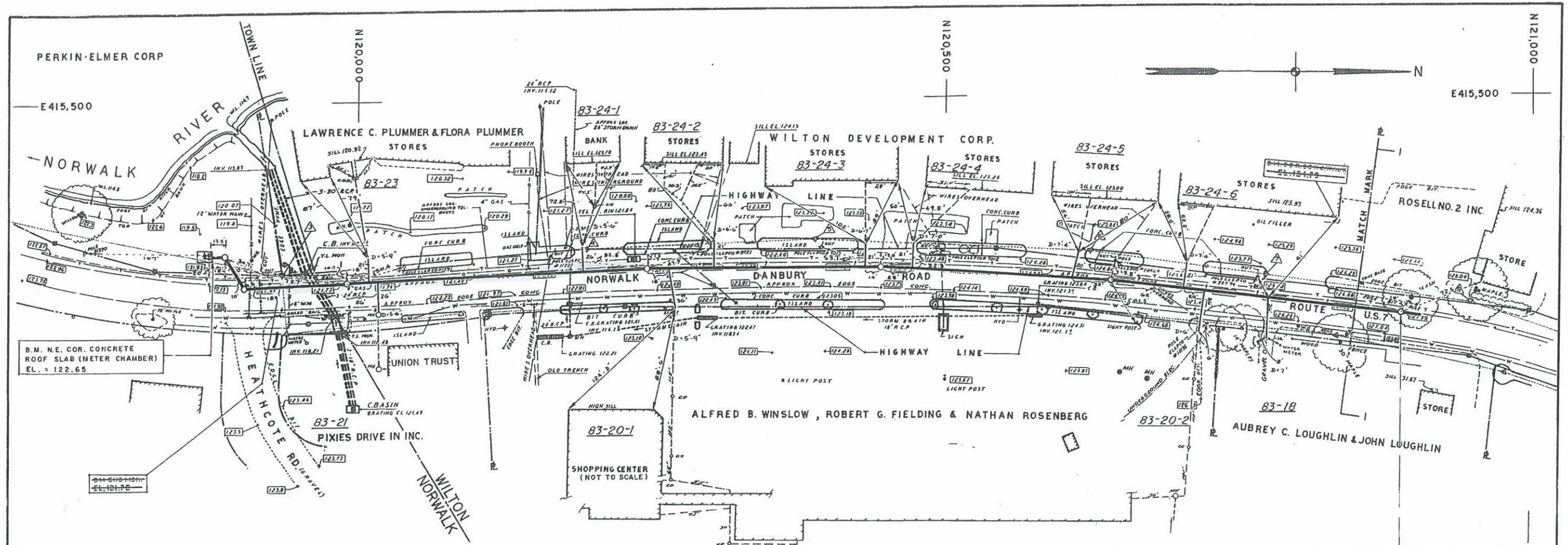
 SHEET NUMBER AND APPROXIMATE LIMITS

DRAWING INDEX

UP DATED 10-31-01



ALBERTSON, SHARP & BACKUS, INC.
CONSULTING ENGINEERS
NORWALK, CONN.



NOTE:
 MAIN SEWER LINE IS 24" R.C.P. WITH RUBBER AND STEEL JOINTS
 LATERALS TO RIGHT OF WAY LINES ARE 6" E CAST IRON SOIL PIPE.

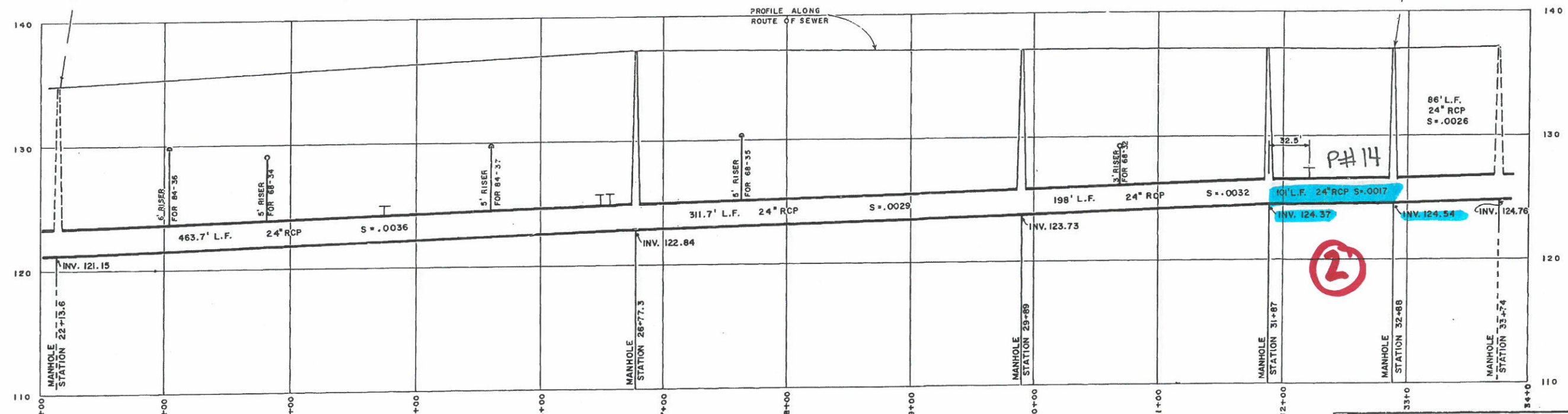
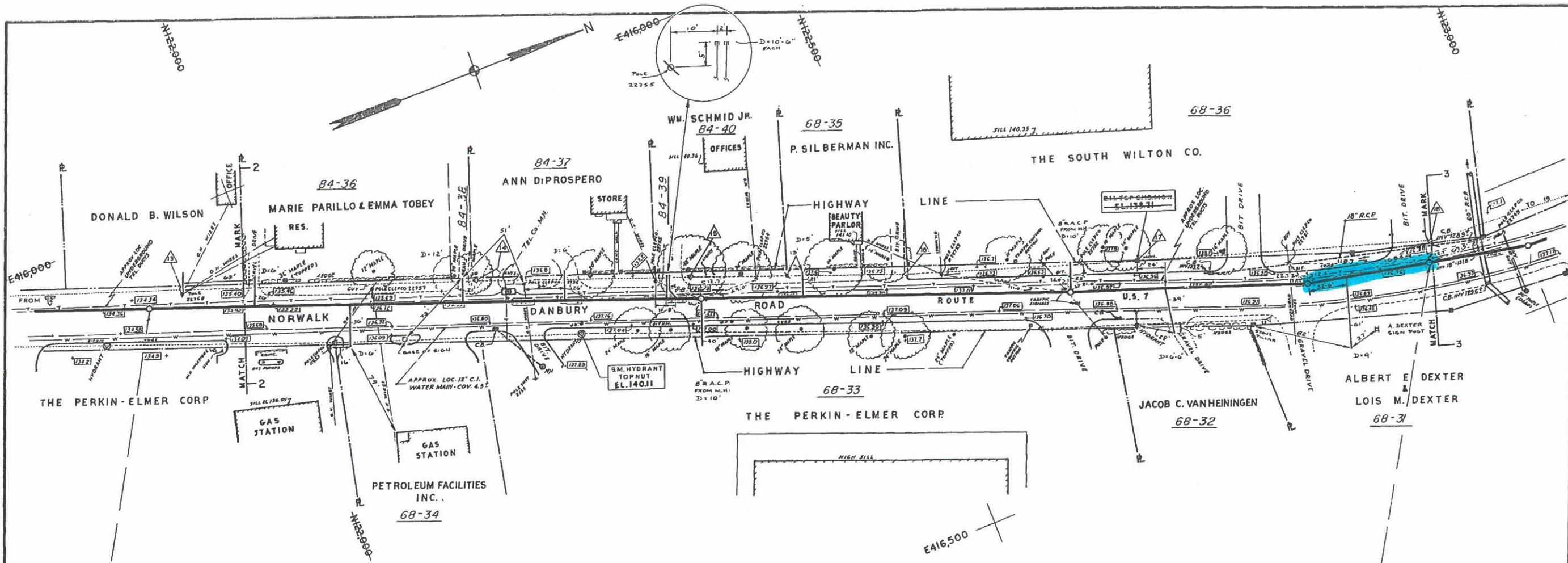
AS BUILT



TOWN OF WILTON, CONNECTICUT SANITARY SEWER SYSTEM	
PLAN AND PROFILE STATION 0+00 TO 12+00 U.S. ROUTE No. 7	
ALBERTSON, SHARP & BACKUS, INC. CONSULTING ENGINEERS NORWALK, CONNECTICUT 06851	
NO.	REV.
DRAWN J.D.	1065
CHKD W.V.	1065-1
DATE 1/7/77	0
SCALE 1" = 40'	
PROJ. NO. 1065	
DRAWING NO. 1065-1	

LEGEND
 ——— PROPERTY LINE-HIGHWAY LINE
 Δ TRANSIT STATION
 - - - - - TRANSIT LINE

NOTE
 DATUM C.G.S.
 HORIZ. CONTROL REFERENCED TO STATE OF CONN. SYSTEM



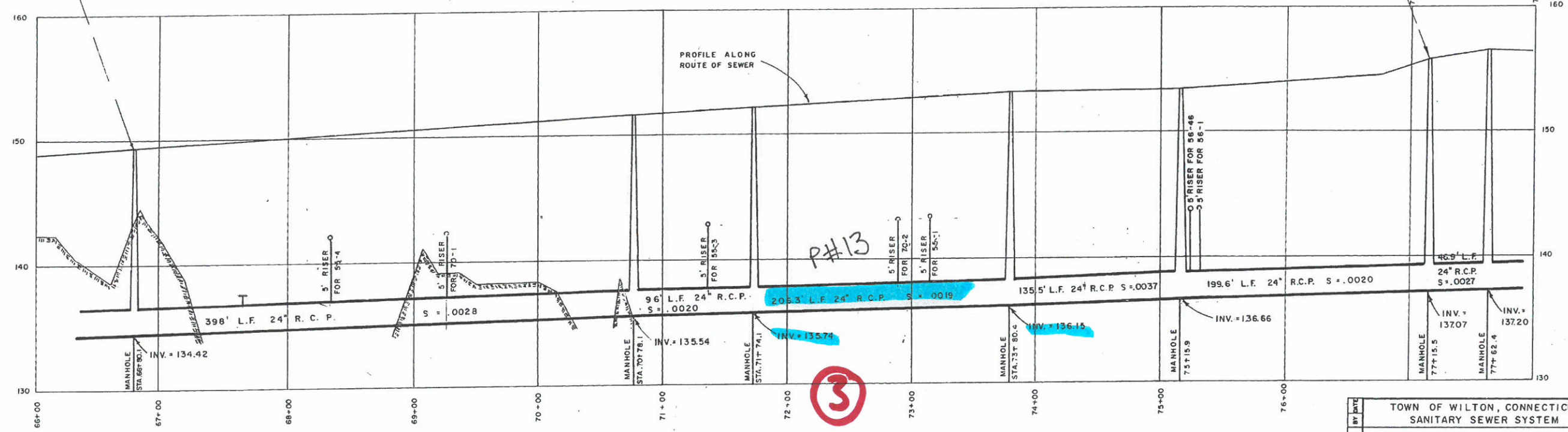
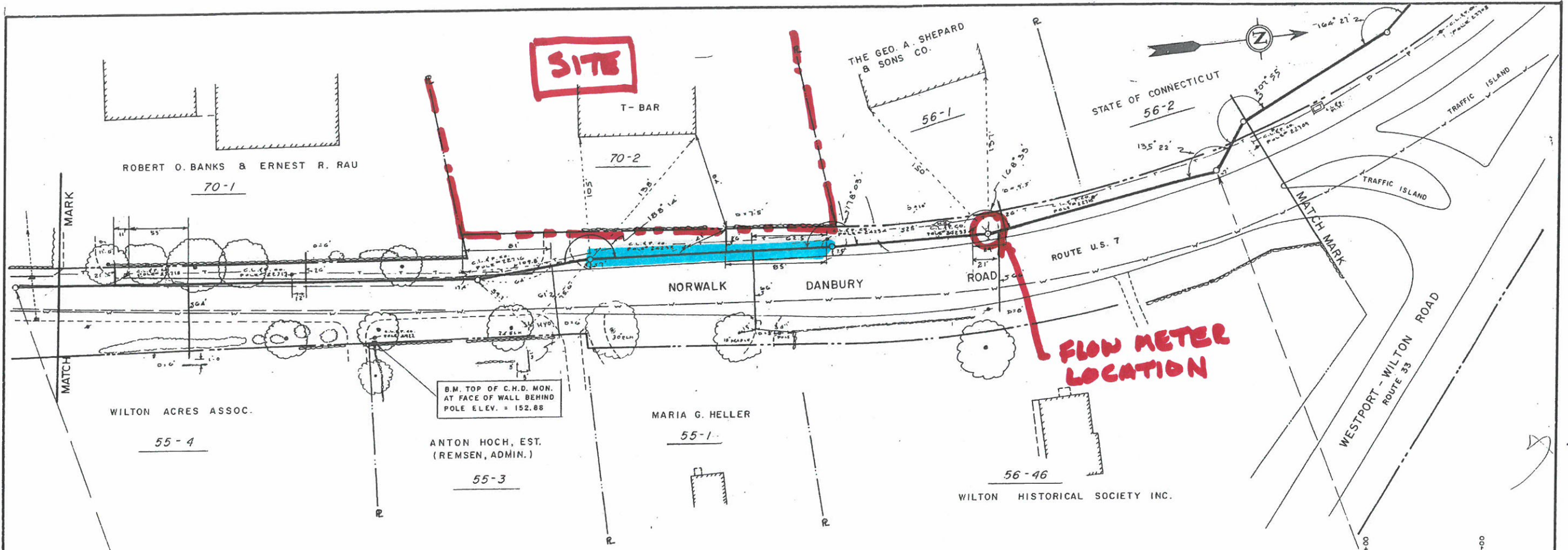
LEGEND
 ——— PROPERTY LINE-HIGHWAY LINE
 Δ TRANSIT STATION
 - - - - - TRANSIT LINE

NOTE
 DATUM C.G.S.
 HORIZ. CONTROL REFERENCED TO STATE OF CONN. SYSTEM

AS BUILT



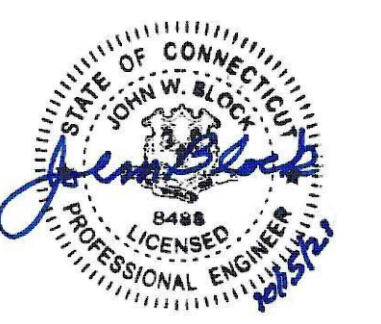
TOWN OF WILTON, CONNECTICUT SANITARY SEWER SYSTEM				
PLAN AND PROFILE				
STATION 22+00 TO 34+00				
U.S. ROUTE No. 7				
ALBERTSON, SHARP & BACKUS, INC.				
CONSULTING ENGINEERS NORWALK, CONNECTICUT 06851				
NO.	DATE	SCALE	PROJ. NO.	DRAWING NO.
1	7/77	H. 1/4"	1065	1065-3
CHKD.		V. 1/4"		



AS BUILT



TOWN OF WILTON, CONNECTICUT SANITARY SEWER SYSTEM				
PLAN AND PROFILE				
STATION: 66+00 TO 78+00				
U.S. ROUTE NO. 7				
ALBERTSON, SHARP & BACKUS, INC. CONSULTING ENGINEERS AND PLANNERS NORWALK, CONN.				
BY DATE	SCALE	PROJ. NO.	DRAWING NO.	REV.
JD 7/17	1" = 40'	1065	1065-7	0



TOWN SUBMISSION

141 Danbury Road

FDSPIN 141 DR, LLC

Wilton, Connecticut

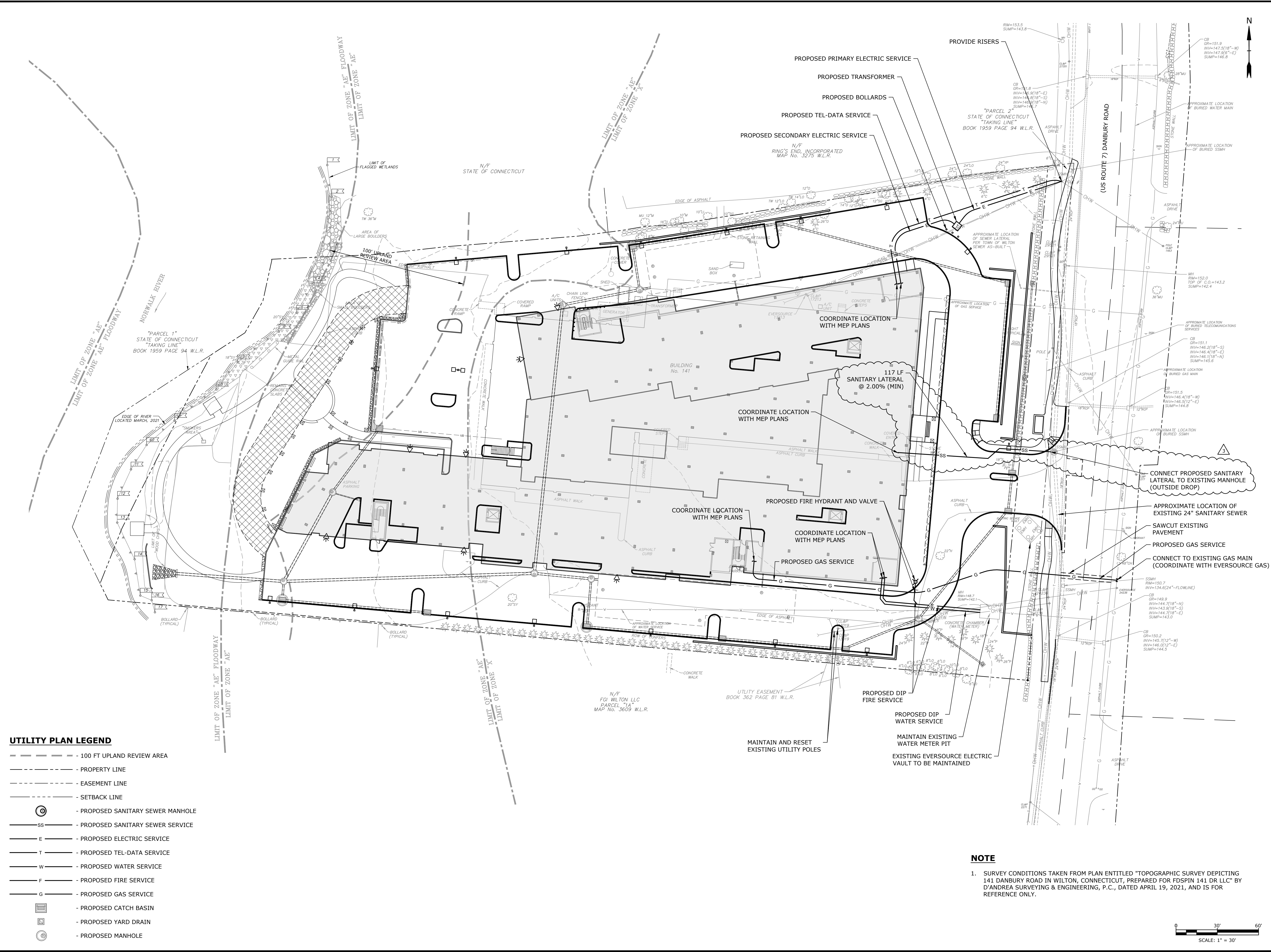
MARK	DATE	DESCRIPTION
3	10/15/2021	DPW & TRAFFIC COMMENTS
2	8/24/2021	FIRE MARSHAL COMMENTS
1	7/15/2021	REV'D BLDG & SITE LAYOUT

PROJECT NO:	F0173-002
DATE:	06/07/2021
FILE:	F0173-02-C-401-UTIL.dwg
DRAWN BY:	MDS
CHECKED BY:	EWL
APPROVED BY:	JWB

UTILITY PLAN

SCALE: 1" = 30'

C-401

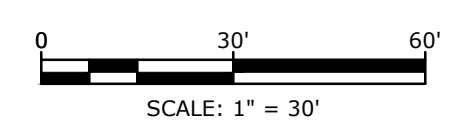


UTILITY PLAN LEGEND

- - - - - 100 FT UPLAND REVIEW AREA
- - - - - PROPERTY LINE
- - - - - EASEMENT LINE
- - - - - SETBACK LINE
- ⊙ - PROPOSED SANITARY SEWER MANHOLE
- SS - PROPOSED SANITARY SEWER SERVICE
- E - PROPOSED ELECTRIC SERVICE
- T - PROPOSED TEL-DATA SERVICE
- W - PROPOSED WATER SERVICE
- F - PROPOSED FIRE SERVICE
- G - PROPOSED GAS SERVICE
- ☐ - PROPOSED CATCH BASIN
- ☐ - PROPOSED YARD DRAIN
- ⊙ - PROPOSED MANHOLE

NOTE

1. SURVEY CONDITIONS TAKEN FROM PLAN ENTITLED "TOPOGRAPHIC SURVEY DEPICTING 141 DANBURY ROAD IN WILTON, CONNECTICUT, PREPARED FOR FDSPIN 141 DR LLC" BY D'ANDREA SURVEYING & ENGINEERING, P.C., DATED APRIL 19, 2021, AND IS FOR REFERENCE ONLY.



Last Saved: 10/14/2021
 Plotted On: Oct 14, 2021 4:09pm By: SansoneM
 Tighe & Bond; P:\F0173 Fuller\002_141 Danbury Road\Drawings\Figures\F0173-02-C-401-UTIL.dwg

Tighe&Bond

APPENDIX B



Project Name: **141 Danbury Road**
Project Number: **F0173-002**
Project Location: **Wilton, CT**
Description: **Sanitary Sewer Effluent Calculation**
Prepared By: **EWL** Date: **January 3, 2021**

141 Danbury Road (PROPOSED)

Total Bedrooms

			Bedrooms
1 Bedroom Units =	37	x 1	37
2 Bedroom Units =	122	x 2	244
3 Bedroom Units =	14	x 3	42
Total Residential Units =	173		
	<u>323</u>		Total Bedrooms

Average Daily & Peak Flow

323	Units			
150	GPD per Bedroom			
		323	x 150	
Average Flow =		<u>48,450</u>	GPD	
Peak Flow Factor =		4		
Peak Flow =		<u>193,800</u>	GPD	
		<u>134.6</u>	GPM	0.299 CFS

141 Danbury Road (EXISTING)

47,040	S.F. Office			
0.1	GPD per S.F.			
Average Flow =		<u>4,704</u>	GPD	
Peak Flow Factor =		4		
Peak Flow =		<u>18,816</u>	GPD	
		<u>13.1</u>	GPM	0.029 CFS

Net Increase in effluent generated on site = 0.299 CFS - 0.029 CFS

= 0.27 CFS Net Increase

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APPENDIX C

Pipe Capacity Calculation

Pipe Section 1 (Station 1+38 to 2+23)

Pipe Properties

D = Pipe Diameter	=	2.00	ft
A = Flow Area	=	3.14	sf
C = Circumference	=	6.28	ft
HR = Hydraulic Radius	=	0.50	ft
S = Pipe Slope	=	0.0007	ft/ft
n = Manning's Roughness Coefficient	=	0.013	

Maximum Capacity of Pipe

$$Q = (1.49/n) * A * HR^{2/3} * S^{1/2}$$

Maximum Capacity Q_{full}	=	6.00	CFS
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Existing Peak Flow, Q_E	2.257 CFS	1,013.1 GPM
Existing Flow to Full Q_E/Q_{full}	0.376	38%
Proposed Added Flow Q_P	0.27 CFS	
Proposed Total Flow, $Q = Q_E + Q_P$	2.527 CFS	1,160.8 GPM
Proposed Flow to Full Q/Q_{full}	0.421	42%

Existing flow is based on flow meeting test results provided in Appendix D.

Proposed Flow is based on sanitary effluent calculations provided in Appendix B.

Pipe Capacity Calculation

Pipe Section 2 (Station 31+87 to 32+88)

Pipe Properties

D = Pipe Diameter	=	2.00	ft
A = Flow Area	=	3.14	sf
C = Circumference	=	6.28	ft
HR = Hydraulic Radius	=	0.50	ft
S = Pipe Slope	=	0.0017	ft/ft
n = Manning's Roughness Coefficient	=	0.013	

Maximum Capacity of Pipe

$$Q = (1.49/n) * A * HR^{2/3} * S^{1/2}$$

Maximum Capacity Q_{full}	=	9.35 CFS
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Existing Peak Flow, Q_E	2.257 CFS	1,013.1 GPM
Existing Flow to Full Q_E/Q_{full}	0.241	24%
Proposed Added Flow Q_P	0.27 CFS	
Proposed Total Flow, $Q = Q_E + Q_P$	2.527 CFS	1,160.8 GPM
Proposed Flow to Full Q/Q_{full}	0.270	27%

Existing flow is based on flow meeting test results provided in Appendix D.

Proposed Flow is based on sanitary effluent calculations provided in Appendix B.

Pipe Capacity Calculation

Pipe Section 3 (Station 71+74 to 73+80)

Pipe Properties

D = Pipe Diameter	=	2.00	ft
A = Flow Area	=	3.14	sf
C = Circumference	=	6.28	ft
HR = Hydraulic Radius	=	0.50	ft
S = Pipe Slope	=	0.0019	ft/ft
n = Manning's Roughness Coefficient	=	0.013	

Maximum Capacity of Pipe

$$Q = (1.49/n) * A * HR^{2/3} * S^{1/2}$$

Maximum Capacity Q_{full}	=	9.89	CFS
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Existing Peak Flow, Q_E	2.257 CFS	1,013.1 GPM
Existing Flow to Full Q_E/Q_{full}	0.228	23%
Proposed Added Flow Q_P	0.27 CFS	
Proposed Total Flow, $Q = Q_E + Q_P$	2.527 CFS	1,160.8 GPM
Proposed Flow to Full Q/Q_{full}	0.256	26%

Existing flow is based on flow meeting test results provided in Appendix D.

Proposed Flow is based on sanitary effluent calculations provided in Appendix B.

Tighe&Bond

APPENDIX D



Associates, Inc.

Flow Monitoring Report

Fall 2021

Prepared For:

Tighe & Bond

Services Performed In:

Wilton, CT

Prepared by:

EST Associates Inc.

124 Crescent Road, Needham, MA 02494

Tel: (781) 455-0003

ESTAssociates.com



Outside View



Downhole View



Downstream View



US1 View

SITE INVESTIGATION FORM

Client: Tighe & Bond

Meter ID: Wilton CT 149 Danbury

Location: Wilton, CT

Address: 149 Danbury Rd

INSTALL DATA

Date: 10/21/2021

Time: 1:30PM

GPS Coordinates: 41.18039, -73.41613

Sensor Location: US1

Installed By: JC SP

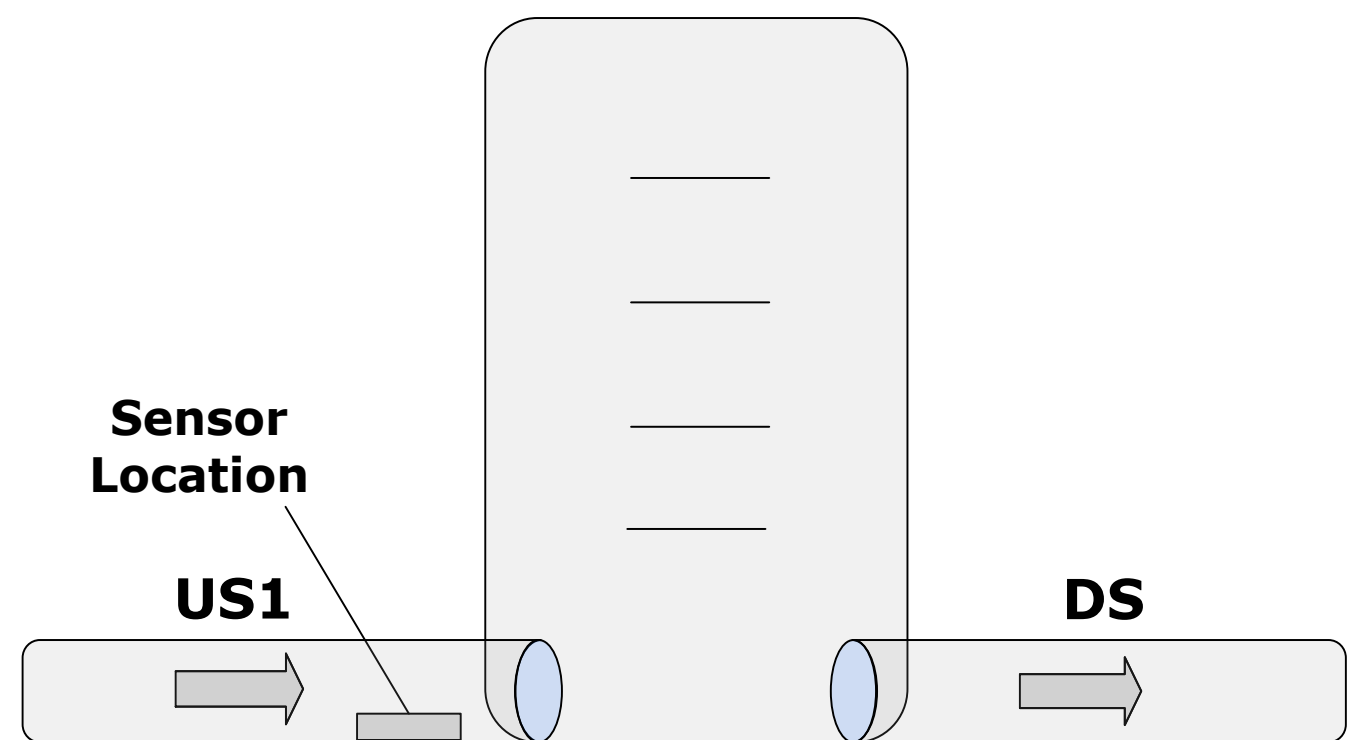
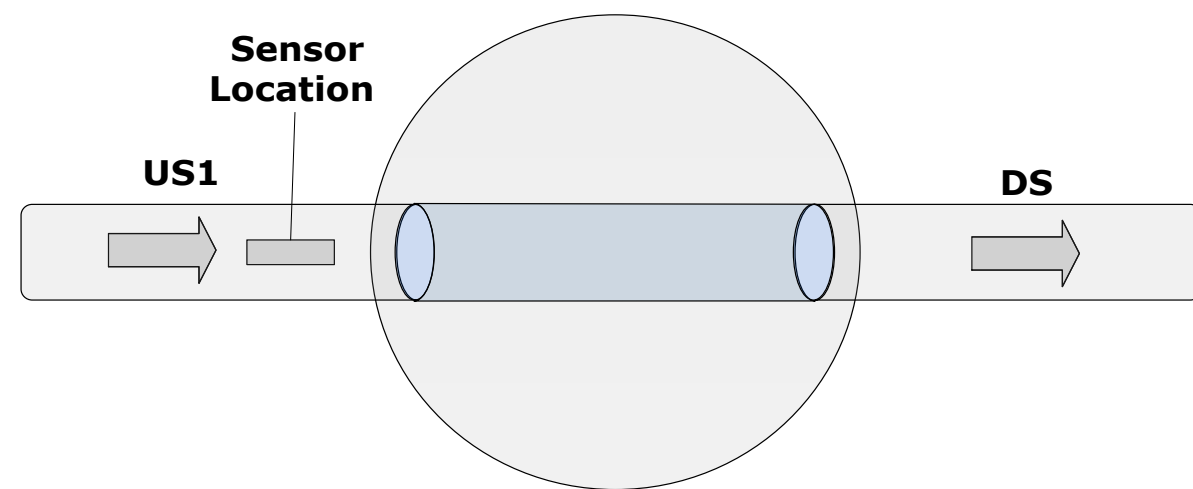


LINE DESCRIPTIONS

	Size <i>(in)</i>	Pipe Material	Debris <i>(in)</i>	Shape	Depth <i>(ft, in)</i>
DS	<u>24"</u>	<u>A/C</u>	<u>0</u>	<u>Circle</u>	<u>16'4"</u>
US1	<u>24"</u>	<u>A/C</u>	<u>0</u>	<u>Circle</u>	<u>16'3"</u>

PLAN VIEW

PROFILE VIEW



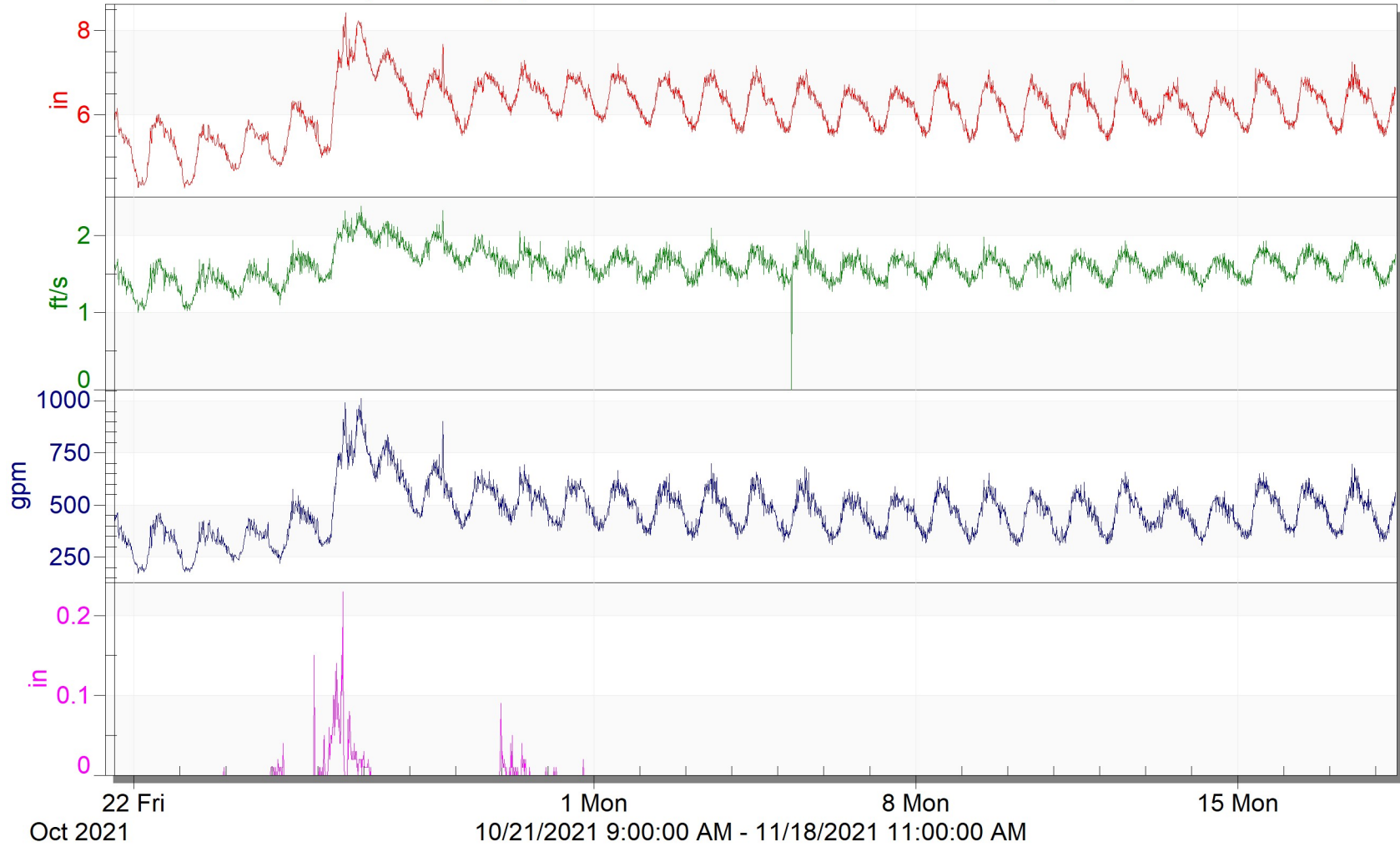
Wilton, CT 149 Danbury Rd

Level: 5.73

Velocity: 1.53

Flow Rate (18847000 gal): 394.06

Rainfall (4.88 in): 0.00





Wilton CT 149 Danbury, Danbury, CT
Daily Flow Rate Table

Date/Time (m/d/yyyy)	Average Flow Rate (gpm)	Minimum Flow Rate (gpm)	Time of Minimum Flow Rate (h:mm)	Maximum Flow Rate (gpm)	Time of Maximum Flow Rate (h:mm)	Total Flow (gal)
10/21/2021	328.9	211.0	1:45 AM	463.1	3:30 PM	473,658.2
10/22/2021	316.8	171.1	2:15 AM	461.9	1:45 PM	456,221.8
10/23/2021	302.3	179.5	5:15 AM	429.1	3:30 PM	435,310.4
10/24/2021	327.2	225.9	4:00 AM	437.1	11:45 AM	471,202.7
10/25/2021	394.4	219.7	4:15 AM	576.4	11:00 AM	567,997.5
10/26/2021	672.9	301.8	2:00 AM	1,013.1	10:30 PM	968,994.1
10/27/2021	673.9	469.3	1:30 AM	837.4	12:15 PM	970,368.7
10/28/2021	563.5	410.9	1:30 AM	902.4	5:15 PM	811,430.4
10/29/2021	533.6	383.3	3:30 AM	672.5	1:30 PM	768,358.8
10/30/2021	524.7	399.6	12:30 AM	693.9	11:45 AM	755,534.2
10/31/2021	503.2	375.9	5:00 AM	640.6	10:45 AM	724,595.3
11/1/2021	500.4	373.6	2:30 AM	667.7	12:45 PM	720,581.8
11/2/2021	484.1	354.1	3:15 AM	650.8	3:15 PM	697,126.2
11/3/2021	484.8	330.8	3:15 AM	700.3	1:30 PM	698,140.7
11/4/2021	482.5	336.1	3:00 AM	658.5	12:45 PM	694,731.4
11/5/2021	475.2	323.1	3:00 AM	685.7	2:15 PM	684,290.6
11/6/2021	444.1	310.4	4:15 AM	575.5	1:15 PM	639,463.2
11/7/2021	449.3	332.0	5:45 AM	590.0	1:15 PM	647,013.9
11/8/2021	463.8	318.2	5:00 AM	635.9	4:30 PM	667,904.7
11/9/2021	456.8	311.2	3:45 AM	652.8	2:15 PM	657,745.0
11/10/2021	445.4	303.2	5:15 AM	587.2	12:15 PM	641,353.4
11/11/2021	449.1	307.2	3:00 AM	610.3	4:00 PM	646,741.8
11/12/2021	472.9	311.4	3:45 AM	659.8	1:15 PM	680,952.8
11/13/2021	463.3	349.7	1:15 AM	589.7	4:45 PM	667,120.2
11/14/2021	439.4	306.5	5:15 AM	566.9	5:15 PM	632,696.3
11/15/2021	488.1	336.5	4:15 AM	655.6	1:30 PM	702,865.0
11/16/2021	486.6	346.9	5:15 AM	630.5	12:45 PM	700,725.7
11/17/2021	484.4	337.0	3:30 AM	697.0	11:45 AM	697,584.5
11/18/2021	409.9	324.5	4:15 AM	563.6	10:15 AM	590,245.1
Flow Total (gal)	Average Flow Rate Total (gpm)	Minimum Flow Rate (gpm)	Time of Minimum Flow Rate (m/d/yyyy h:mm)	Maximum Flow Rate (gpm)	Time of Maximum Flow Rate (m/d/yyyy h:mm)	Average Total Flow (gal)
19,470,954	466.3	171.1	10/22/2021 2:15	1,013.1	10/26/2021 22:30	671,412.2

CALIBRATION & DATA COLLECTION

Client: Tighe & Bond Meter ID: WILTON CT 149 DANBURY
Address: 149 DANBURY RD

SERVICES PERFORMED

Date: 10/21/21 Technicians: JC/SP
Time: 13:43 Meter Serial Number: EST-252

- Sensor Cleaning Calibration Check
 Data Download Other: meter install

Data Downloaded: Yes No
 By Modem on: _____
 To Laptop Serial Number: JR

Battery Replacement: Yes No
Existing voltage: 12.74 New voltage: _____

Dessicant Status: Good
Replaced: Yes No

METER READINGS

Levels: Meter: 5.75 (in.) Actual: 5.75 (in.)
Recalibrated: Yes No
Sensor Type: Area Velocity Ultrasonic Laser
Velocity: Meter: 1.59 (ft/s) Actual: 1.59 (ft/s)

NOTES

Notes: _____

CALIBRATION & DATA COLLECTION

Client: Tighe & Bond Meter ID: Wilton CT 149 Danbury

Address: 149 Danbury Rd

SERVICES PERFORMED

Date: 10/24 Technicians: SP/BU

Time: 10:23 Meter Serial Number: EST-252

- Sensor Cleaning
- Data Download
- Calibration Check
- Other: _____

Data Downloaded: Yes No
 By Modem on: _____
 To Laptop Serial Number: #2

Battery Replacement: Yes No
Existing voltage: 12 New voltage: _____

Dessicant Status: Good
Replaced: Yes No

METER READINGS

Levels: Meter: 6.9 (in.) Actual: 6.9 (in.)
Recalibrated: Yes No

Sensor Type: Area Velocity Ultrasonic Laser

Velocity: Meter: 1.94 (ft/s) Actual: 1.9 (ft/s)

NOTES

Notes: _____

CALIBRATION & DATA COLLECTION

Client: Tight & Bond Meter ID: WILTON CT 149 DANDURY

Address: _____

SERVICES PERFORMED

Date: 11/3/21 Technicians: JR/BTC

Time: 09:41 Meter Serial Number: _____

- | | |
|---|---|
| <input checked="" type="checkbox"/> Sensor Cleaning | <input checked="" type="checkbox"/> Calibration Check |
| <input checked="" type="checkbox"/> Data Download | <input type="checkbox"/> Other: _____ |

Data Downloaded: Yes No
 By Modem on: _____
 To Laptop Serial Number: JR

Battery Replacement: Yes No
Existing voltage: _____ New voltage: _____

Dessicant Status: _____
Replaced: Yes No

METER READINGS

Levels: Meter: 6.92 (in.) Actual: 7.01 (in.)
Recalibrated: Yes No
Sensor Type: Area Velocity Ultrasonic Laser
Velocity: Meter: 1.73 (ft/s) Actual: 1.73 (ft/s)

NOTES

Notes: _____

CALIBRATION & DATA COLLECTION

Client: Tyhe & Bond **Meter ID:** Wilton CT 149 Danbury
Address: 149 Danbury

SERVICES PERFORMED

Date: 11/10 **Technicians:** SP/BH
Time: _____ **Meter Serial Number:** EST-252

<input checked="" type="checkbox"/> Sensor Cleaning	<input checked="" type="checkbox"/> Calibration Check
<input checked="" type="checkbox"/> Data Download	<input type="checkbox"/> Other: _____

Data Downloaded: Yes No
 By Modem on: _____
 To Laptop Serial Number: #2

Battery Replacement: Yes No
Existing voltage: 12.1 New voltage: _____

Dessicant Status: Good
Replaced: Yes No

METER READINGS

Levels: Meter: 6.7 (in.) Actual: 6.7 (in.)
Recalibrated: Yes No

Sensor Type: Area Velocity Ultrasonic Laser

Velocity: Meter: 1.6 (ft/s) Actual: 1.7 (ft/s)

NOTES

Notes: _____

CALIBRATION & DATA COLLECTION

Client: Tighe + Bond Meter ID: 149 Danbury

Address: _____

SERVICES PERFORMED

Date: 11-18-21 Technicians: MK/TA

Time: 1020 Meter Serial Number: EST 252

- | | |
|---|---|
| <input checked="" type="checkbox"/> Sensor Cleaning | <input checked="" type="checkbox"/> Calibration Check |
| <input checked="" type="checkbox"/> Data Download | <input type="checkbox"/> Other: _____ |

Data Downloaded: Yes No
 By Modem on: _____
 To Laptop Serial Number: #mk

Battery Replacement: Yes No
Existing voltage: 11.9 New voltage: _____

Dessicant Status: Good
Replaced: Yes No

METER READINGS

Levels: Meter: 6.543 (in.) Actual: 6.5 (in.)
Recalibrated: Yes No

Sensor Type: Area Velocity Ultrasonic Laser

Velocity: Meter: 1.703 (ft/s) Actual: 1.7 (ft/s)

NOTES

Notes: _____



Rain Gauge - Wilton, CT

Daily Rainfall Table

Date	Average Rainfall (in)	Minimum Rainfall (in)	Time of Minimum Rainfall hh:mm	Maximum Rainfall (in)	Time of Maximum Rainfall hh:mm	Total Rainfall (in)
10/21/2021	0.000	0.000	2:00 PM	0.000	2:00 PM	0.000
10/22/2021	0.000	0.000	12:00 AM	0.000	12:00 AM	0.000
10/23/2021	0.000	0.000	12:00 AM	0.010	11:00 PM	0.010
10/24/2021	0.000	0.000	12:00 AM	0.010	11:30 PM	0.020
10/25/2021	0.000	0.000	1:00 AM	0.150	10:00 PM	0.370
10/26/2021	0.040	0.000	12:00 AM	0.230	1:00 PM	3.670
10/27/2021	0.000	0.000	3:00 AM	0.030	12:00 AM	0.160
10/28/2021	0.000	0.000	12:00 AM	0.000	12:00 AM	0.000
10/29/2021	0.000	0.000	12:00 AM	0.090	11:30 PM	0.160
10/30/2021	0.000	0.000	2:00 AM	0.050	5:30 AM	0.450
10/31/2021	0.000	0.000	12:00 AM	0.020	6:30 PM	0.040
11/1/2021	0.000	0.000	12:00 AM	0.000	12:00 AM	0.000
11/2/2021	0.000	0.000	12:00 AM	0.000	12:00 AM	0.000
11/3/2021	0.000	0.000	12:00 AM	0.000	12:00 AM	0.000
11/4/2021	0.000	0.000	12:00 AM	0.000	12:00 AM	0.000
11/5/2021	0.000	0.000	12:00 AM	0.000	12:00 AM	0.000
11/6/2021	0.000	0.000	12:00 AM	0.000	12:00 AM	0.000
11/7/2021	0.000	0.000	12:00 AM	0.000	12:00 AM	0.000
11/8/2021	0.000	0.000	12:00 AM	0.000	12:00 AM	0.000
11/9/2021	0.000	0.000	12:00 AM	0.000	12:00 AM	0.000
11/10/2021	0.000	0.000	12:00 AM	0.000	12:00 AM	0.000
11/11/2021	0.000	0.000	12:00 AM	0.000	12:00 AM	0.000
11/12/2021	0.000	0.000	12:00 AM	0.000	12:00 AM	0.000
11/13/2021	0.000	0.000	12:00 AM	0.000	12:00 AM	0.000
11/14/2021	0.000	0.000	12:00 AM	0.000	12:00 AM	0.000
11/15/2021	0.000	0.000	12:00 AM	0.000	12:00 AM	0.000
11/16/2021	0.000	0.000	12:00 AM	0.000	12:00 AM	0.000
11/17/2021	0.000	0.000	12:00 AM	0.000	12:00 AM	0.000
11/18/2021	0.000	0.000	10:15 AM	0.010	10:30 PM	0.020
11/19/2021	0.000	0.000	1:00 AM	0.010	12:00 AM	0.050
11/20/2021	0.000	0.000	12:00 AM	0.000	12:00 AM	0.000
11/21/2021	0.000	0.000	12:00 AM	0.000	12:00 AM	0.000
Rainfall Total (in)	Average Rainfall (in)	Minimum Rainfall (in)	Time of Minimum Rainfall (m/d/yyyy h:mm)	Maximum Rainfall (in)	Time of Maximum Rainfall (m/d/yyyy h:mm)	Average Total Rainfall (in)
4.950	0.001	0.000	10/21/21 14:00	0.230	10/26/21 13:00	0.155



100% Recyclable 

www.tighebond.com