



AECOM  
500 Enterprise Drive, Suite 1A  
Rocky Hill, CT 06062

(860) 263-5800 tel  
(860) 263-5777 fax

September 15, 2023

Robert Clausi  
Executive Director  
Environmental Protection Board  
City of Stamford  
888 Washington Boulevard  
Stamford, Connecticut 06901

RE: Improvements to Wire Mill Well  
Aquarion Water Company  
Stamford, Connecticut

Dear Mr. Clausi,

On behalf of the Aquarion Water Company, enclosed please find an application for a permit to conduct regulated activities for the Stamford Environmental Protection Board (EPB).

Aquarion Water Company is seeking to make improvements to an existing well located approximately 220' south of Wire Mill Road in Stamford. As depicted in the application, the well is located within the floodway of the Rippowam River.

This project is covered by Connecticut General Statutes Section 16-235 for raw water utilities; therefore, an inland wetland and watercourses permit is not required. The Contract Documents will require that appropriate soil erosion and sediment controls be used and maintained in effective operating condition during construction and until the site is fully restored.

Enclosed please find one original and ten copies of the following documents:

- The application for a Permit to conducted regulated activities;
- Existing and proposed site plans and details;
- GIS aerial image of the property;
- Project narrative and biological narrative;
- Recent photographs of the proposed site;
- A copy of the property deed;
- Letters to the abutters within 250 feet;
- A copy of the notification form submitted to the CT DPH for project located within public water supply watersheds;
- Soil Scientist report.

In addition, I have included two complete sets of drawings for the Project and the application fee of \$260.00.

If you have any questions or would like additional information, please contact me.

Sincerely,

A handwritten signature in cursive script that reads "Maureen Crowley".

Maureen Crowley, P.E.  
AECOM

Cc: Bill Dwinells, Aquarion Water Company  
Peter Sammis, AECOM

**Application for a Permit to  
Conduct Regulated Activities**

**Wire Mill Well Improvements  
Aquarion Water Company**

**Prepared for:**

**Environmental Planning Board  
City of Stamford**

**September, 2023**

**Prepared by:**

**AECOM**

**500 Enterprise Drive  
Rocky Hill, CT 06067  
(860) 263-5800**

City of Stamford  
Environmental Protection Board  
888 Washington Boulevard  
Stamford, CT 06904  
(203) 977-4028

**APPLICATION FOR A PERMIT TO CONDUCT REGULATED ACTIVITIES**

1. APPLICANT

Name of Applicant: Aquarion Water Company

Home Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ Email address: bdwinells@aquarionwater.com

Business Address: 600 Lindley Street, Bridgeport, CT 06606

Business Phone: (203) 337-5906

Title of Project (if applicable): Wire Mill Well Improvements

Applicant's Interest in the Property (check where appropriate)

Owner: X Agent:    Lessee:    Lessor:    Other:                       
(Specify)

2. OWNER

Name of Subject Property Owner: Aquarion Water Company

Home Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ Email address: \_\_\_\_\_

Business Address: same as above

Business Phone: \_\_\_\_\_

If the applicant is not the owner of record, the owner must provide signed correspondence authorizing the applicant to file this application to conduct regulated activities.

### 3. LOCATION / DESCRIPTION

a) Address of the subject property: 0 Wire Mill Road, Stamford

b) Geographical location in sufficient detail to allow identification of the subject property on the "Inland Wetlands and Watercourses Map"  
(include orientation sketch)

Refer to the Map following this application for the location of the Wire Mill Well parcel.

41° 06' 47.53" N, 73° 32' 55.93" W

Lot Number: S 002 9744

List Number: Book/Page 6247/0317

Subdivision #: 1260

T-Map Number: Tax Map 67

Total Acreage: 3.14 Acres

Assessor's Card #: Parcel ID 23373

Zone: RA1

Block Number: 002-2121

c) Is the Property is located within 500 feet of a Municipal Boundary?

Yes:      (See Instructions Section III "Special Notification") No: X

c) Is the Property is located within a drinking water supply watershed?

Yes: X (See Instructions Section III "Special Notification") No:     

e) The Property is serviced by (check where appropriate)

Septic system:      Sewer:      / Private well:      Municipal water:     

### 4. REGULATED ACTIVITIES

a) License is sought to conduct the following regulated activities  
(check where appropriate)

Alteration: X Deposition:      Construction: X Removal:     

Pollution:      Obstruction:      Other (Specify): Improvements to an existing well

b) The proposed activities will affect the following (check where appropriate)

Wetland soils:      Watercourse:      Open water:     

Floodplain: X Open space/Conservation easement (CE):     

Upland Review Area (URA) 1: X Other (Specify):     

<sup>1</sup> The Upland Review Area in non-drinking water supply watersheds is 25 feet from the edge of wetlands and watercourses.  
The Upland Review Area in the drinking water supply watersheds of the Mianus and upper Rippowam Rivers is 50 feet from the edge of wetlands and 100 feet from watercourses.

- c) Purpose and brief description of the activities for which authorization is requested:

There is an existing finished water well on this property owned by Aquarion Water Company (AWC). AWC plans to convert this finished well to a raw water well. The existing structure will be removed and a new structure with vents will be placed over the well, the well pump will be replaced, existing chemicals will be removed and the new electrical and instrumentation equipment will be above the 500-year flood elevation.

d) Existing Conditions – Area Totals of Entire Property

- i) Square feet of Wetlands: approx. 91,000 s.f.
- ii) Linear feet of Watercourse: 420 l.f.
- iii) Square feet of Open water: 0 s.f.
- iv) Square feet of Floodplain: entire parcel
- v) Square feet of Open space/CE: 0 s.f.
- vi) Square feet of URA: approx. 42,800 s.f.

e) Proposed Conditions – Total Area Affected

- i) Square feet of Wetlands affected: 0 s.f.
- ii) Linear feet of Watercourses affected: 20 l.f.
- iii) Square feet of Open water affected: 0 s.f.
- iv) Square feet of Floodplain affected: 10,600 s.f.
- v) Square feet of Open space/CE affected: 0 s.f.
- vi) Square feet of URA affected: 5,200 s.f. (Rippowam River)
- vii) Square feet of Wetlands created: 0 s.f.

## 5. STANDARD NOTIFICATION REQUIREMENT

Names and addresses of individuals notified of this pending application as required by "The Inland Wetland and Watercourses Regulations of the City of Stamford" (*See Instructions Section II for details*)

Name	Address
Gregory and Maureen Shulas	622 Wire Mill Road
William Wilson	614 Wire Mill Road
Cosmo and Joyce Mirizio	612 Wire Mill Road
Adam J. Whittingham	606 Wire Mill Road
Georgette Bateman	598 Wire Mill Road
Roberto Leon, Rev. Trust	578 Wire Mill Road
Gerald Backman	546 Wire Mill Road
Charles Xiao Qing Guo	543 Wire Mill Road
Archa Saran	22 Blackwood Drive
503 Wire Mill Road LLC	0 Studio Road and 503 Studio Road (two properties - same owner)
State of Connecticut	0 High Ridge Road (Lot ID 135-W 122 4050)
City of Stamford	0 High Ridge Road (Lot ID 135-W 122A 4050)

(Attach additional sheets if necessary)

## GENERAL CONDITIONS

The undersigned applicant understands that this application is to be considered complete when all information and documents required by the agency have been submitted.

The agency may request additional information to properly evaluate the proposed activities pursuant to Section 5.5 of the "Inland Wetland and Watercourses Regulations of the City of Stamford." The applicant will be notified in writing of any further information required or when the application is deemed complete.

The undersigned warrants the truth of all statements contained herein and in all supporting documents according to the best of his/her knowledge.

The undersigned applicant hereby consents to necessary and proper inspections of the above property by authorized agents of the EPB.

Written signature Maureen Crowley

Printed name Maureen Crowley, P.E., AECOM, Agent for AWC

Date September 15, 2023

## **Location Map**

**Wire Mill Well Site  
0 Wire Mill Road**



# Boundary of Aquifer Protection Area

Wire Kiln Wellfield, Stamford, Ct

**WIRE MILL  
WELL SITE**

**R-20**



**R-10**

**C-D**

**RA-1**

**R-D**

**R-D**

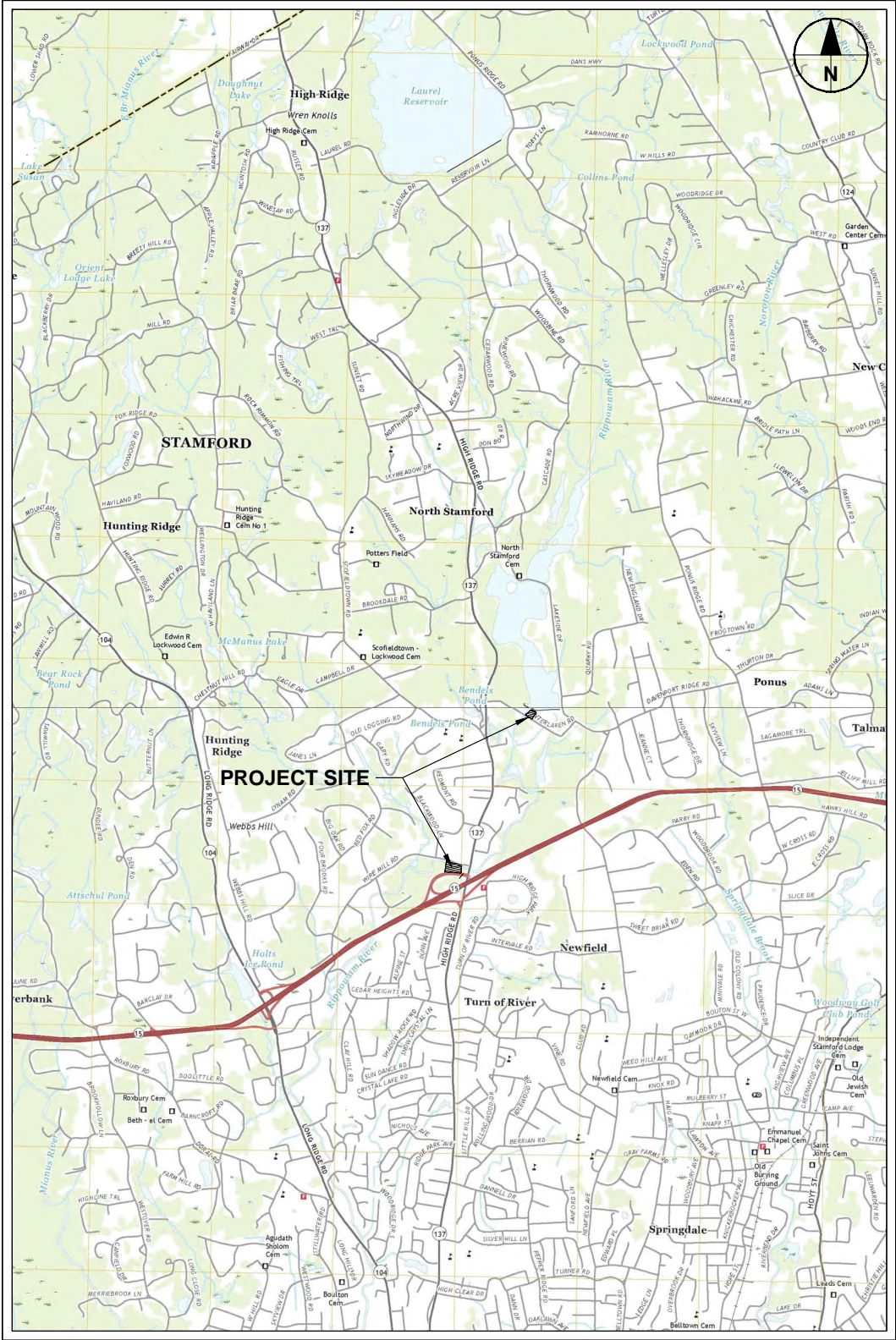
-  Aquifer Protection Area Boundary
-  Lot Lines with Address Numbers

1 inch = 740 feet 18,880 feet

Disclaimer: The information displayed on this map is for general reference purposes only and is not represented as survey-grade or up to date. All information is subject to verification by any user. The City of Stamford assumes no liability for the information contained herein. Map printed 02/09/10 in the Land Use Bureau of the City of Stamford

## **Drawings**

### **Improvements to Wire Mill Well Site**



PROJECT LOCATION MAP  
SCALE: 1" = 2,000'

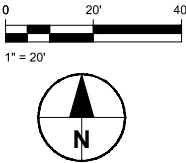
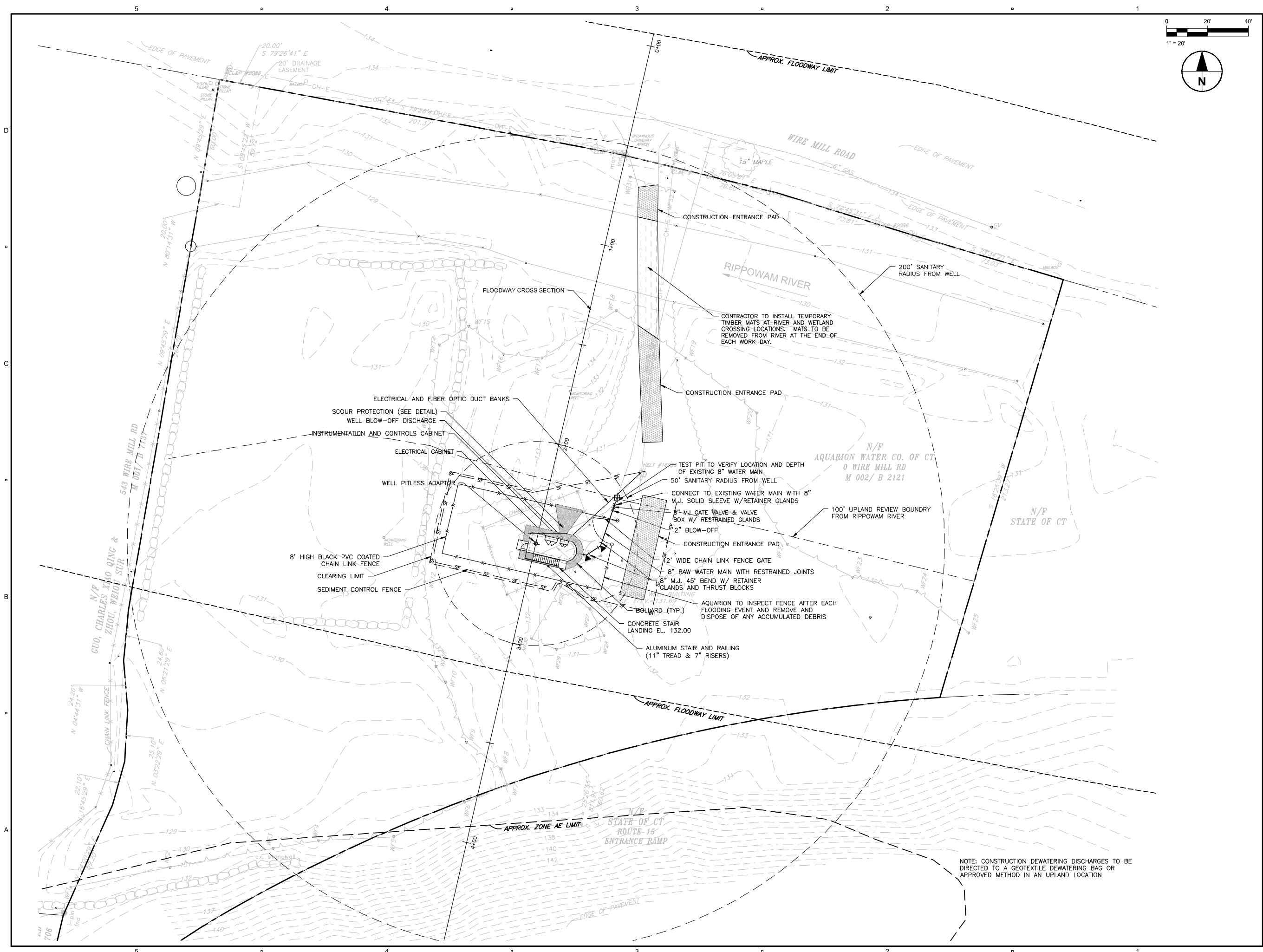
LIST OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE
00 C-001	GENERAL NOTES, LEGENDS AND ABBREVIATIONS
00 C-101	EXISTING SITE PLAN
00 C-102	PROPOSED SITE PLAN
00 C-103	NORTH STAMFORD PUMP STATION PROPOSED SITE PLAN
99 C-301	FLOODWAY CROSS SECTION
99 C-501	SITE DETAILS I
99 C-502	SITE DETAILS II
00 GD-101	EXISTING WELL HOUSE DEMOLITION PLAN
00 D-001	PROCESS NOTES AND ABBREVIATIONS
00 D-002	PROCESS LEGEND
00 D-003	SCHEDULES
01 D-101	WELL VAULT PLANS AND SECTION
99 D-501	PROCESS DETAILS I









**AECOM**

**PROJECT**

Wire Mill Well  
Improvements

Wire Mill Road  
Stamford, CT 06903

**CLIENT**

Aquarion Water Company  
of Connecticut

600 Lindley Street  
Bridgeport, CT 06606-5044  
T: 203.337.5991 F: 203.337.5938

**CONSULTANT**

AECOM TECHNICAL SERVICES, INC.  
500 ENTERPRISE DRIVE  
ROCKY HILL, CT 06067  
www.aecom.com

**SUBCONSULTANTS**

SURVEY  
Nafis & Young Engineers, Inc.  
1355 Middletown Avenue  
Northford, CT 06472  
Tel: (203) 484-2793

**REGISTRATION**

**PERMIT DRAWINGS**

**ISSUE/REVISION**

IR	DATE	DESCRIPTION

**PROJECT NUMBER**

60687711

Designed By: R. BERLANDY

Drawn By: R. BERLANDY

Dept Check: G. SIMARD

Proj Check: P. SAMMIS

Date: SEPTEMBER 2023

Scale: AS INDICATED

**DISCIPLINE**

CIVIL

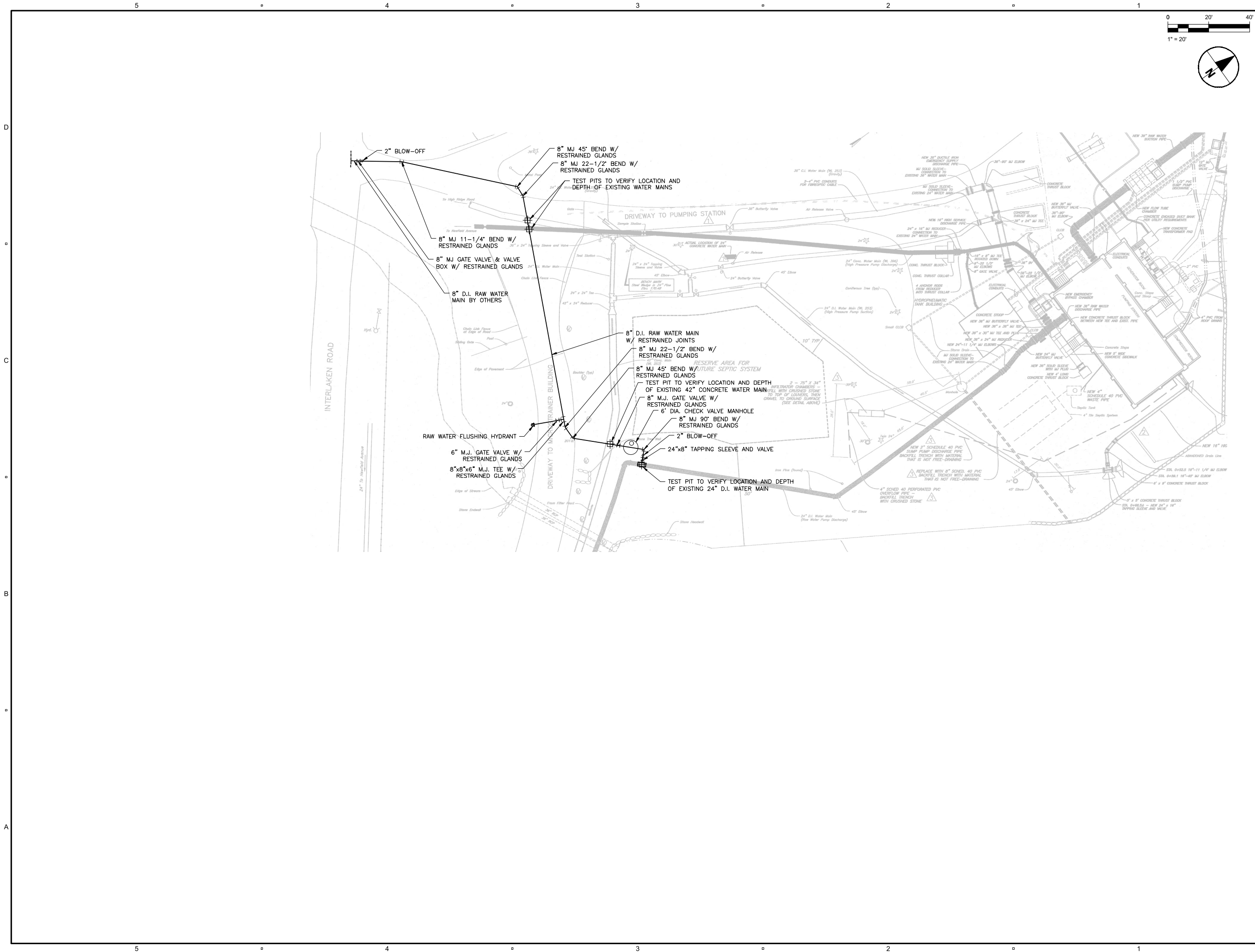
SHEET TITLE

**PROPOSED SITE PLAN**

**SHEET NUMBER**

**00 C-102**

NOTE: CONSTRUCTION DEWATERING DISCHARGES TO BE  
DIRECTED TO A GEOTEXTILE DEWATERING BAG OR  
APPROVED METHOD IN AN UPLAND LOCATION



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Wire Mill Well  
Improvements  
Wire Mill Road  
Stamford, CT 06903

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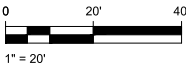
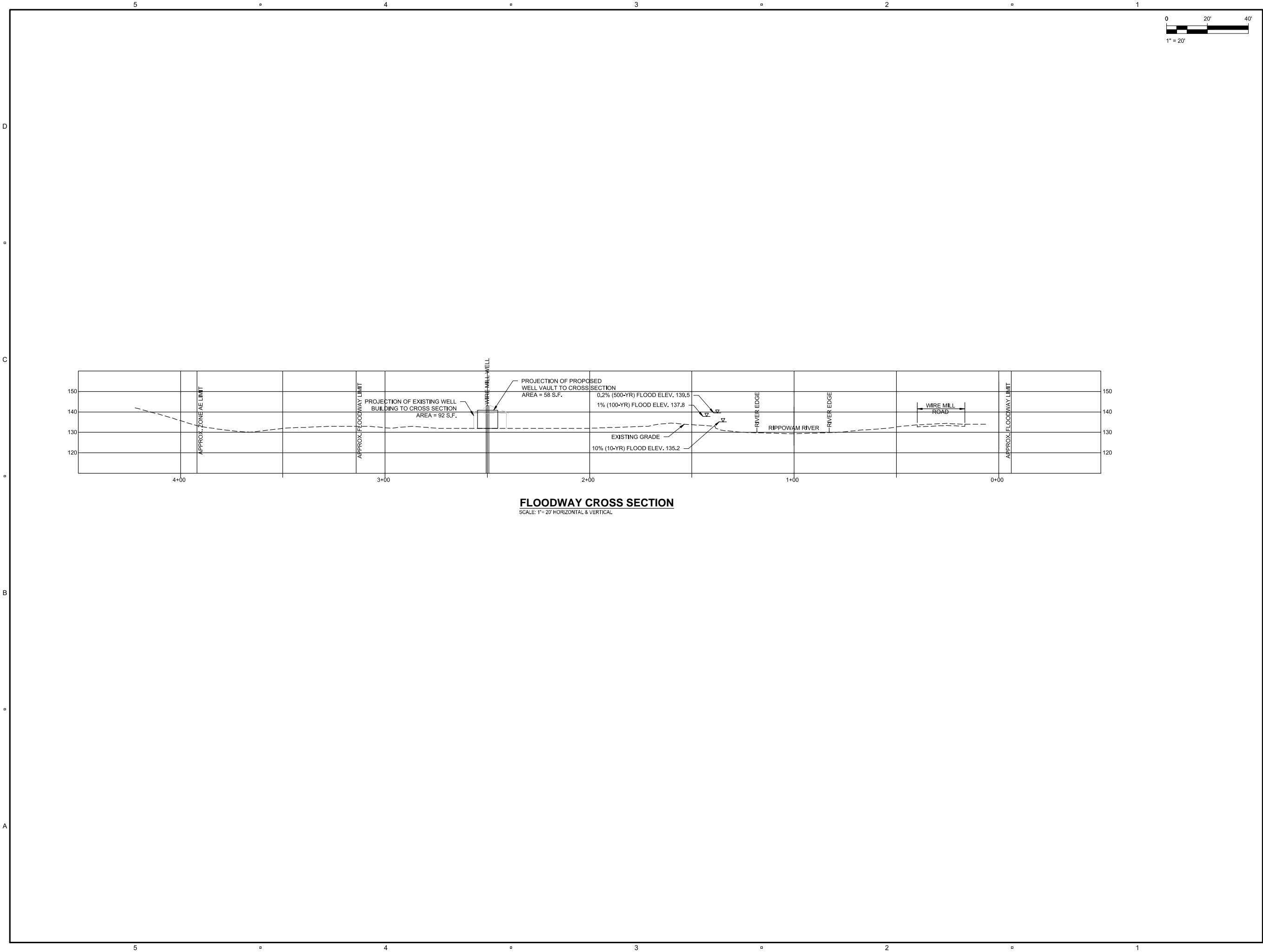
ISSUE/REVISION		

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60687711		
Designed By:	R. BERLANDY	
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DISCIPLINE  
CIVIL  
SHEET TITLE

NORTH STAMFORD PUMP  
STATION PROPOSED  
SITE PLAN  
SHEET NUMBER

00 C-103



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Wire Mill Well  
Improvements

Wire Mill Road  
Stamford, CT 06903

CLIENT

Aquarion Water Company  
of Connecticut

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Bridgeport, CT 06606-5044  
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DISCIPLINE

CIVIL  
SHEET TITLE

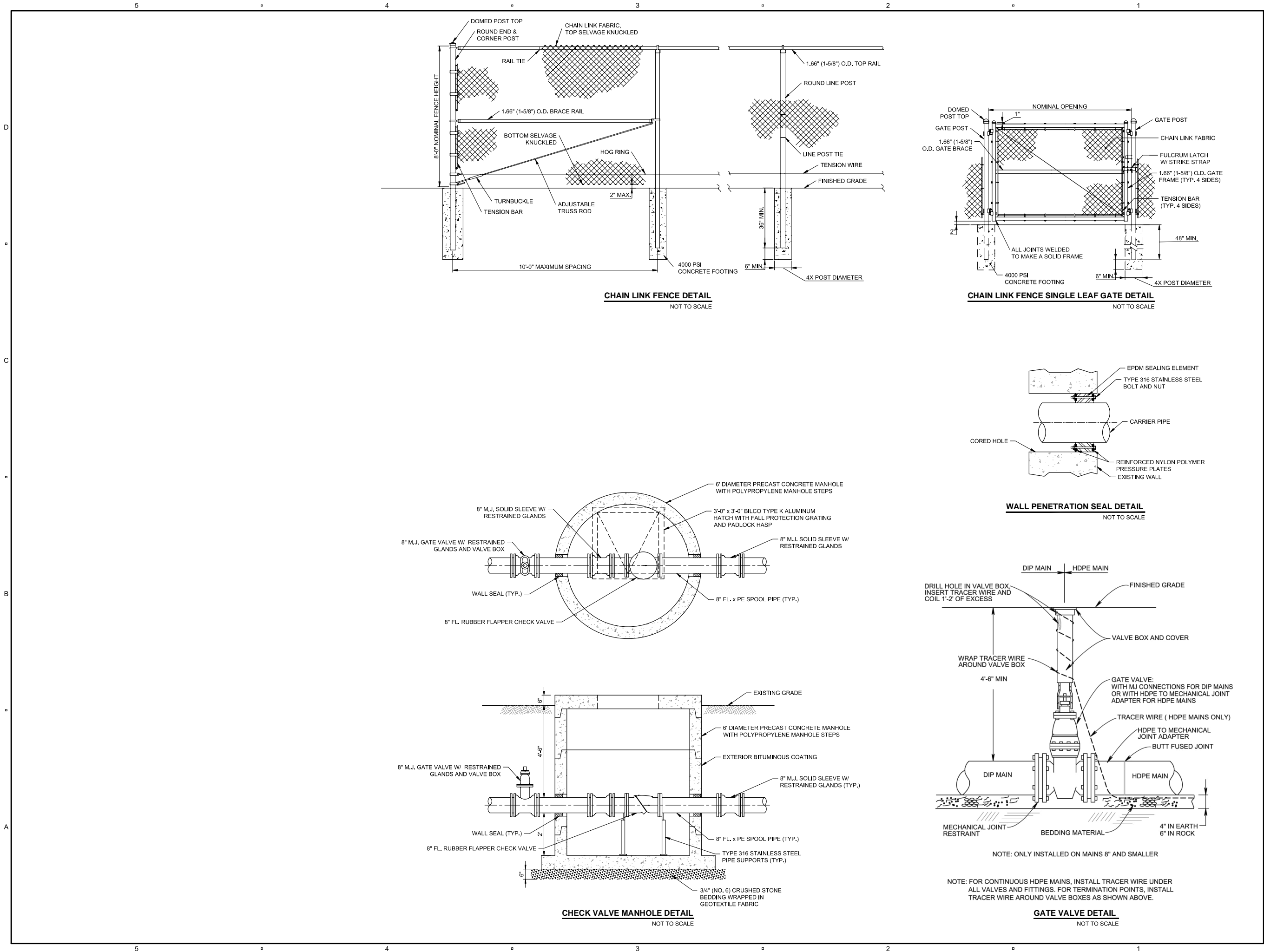
FLOODWAY CROSS  
SECTION

SHEET NUMBER

99 C-301







**PROJECT**

Wire Mill Well Improvements

Wire Mill Road  
Stamford, CT 06903

**CLIENT**

Aquarion Water Company of Connecticut

600 Lindley Street  
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**DISCIPLINE**

**PROCESS**

**SHEET TITLE**

**SITE DETAILS II**

**SHEET NUMBER**

99 C-502



## PROJECT

## Wire Mill Well Improvements

Wire Mill Road  
Stamford, CT 06903

**CLIENT**

Aquarion Water Company  
of Connecticut

600 Lindley Street  
Bridgeport, CT 06066-5044  
T: 203.337.5991 F: 203.337.5938

## CONSULTANT

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[www.aecom.com](http://www.aecom.com)

## SUBCONSULTANTS

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**Nafis & Young Engineers, Inc.**  
1355 Middletown Avenue  
Northford, CT 06472  
Tel: (203) 484-2793

## REGISTRATION

# PERMIT DRAWINGS

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**DISCIPLINE**

PROCESS  
SHEET TITLE

## EXISTING WELL HOUSE DEMOLITION PLAN

**SHEET NUMBER**

**00 GD-101**



D

C

B

A

DWG. ABBREV.	ITEM	SYMBOL
	GATE VALVE	
	KNIFE VALVE	
	PLUG VALVE	
	CONE VALVE	
	3-WAY PLUG VALVE	
	BUTTERFLY VALVE	
	BALL VALVE	
	3-WAY BALL VALVE	
	CHECK VALVE	
	COMBINED FUNCTION VALVE	
	WAFER CHECK VALVE	
	SPLIT DISC CHECK VALVE	
	BALL CHECK VALVE	
	DIAPHRAGM VALVE	
HG	HOSE GATE	
	GLOBE VALVE	
	PINCH VALVE	
	NEEDLE VALVE	
	ANGLE VALVE	
	RELIEF VALVE	
	PRESSURE REGULATING VALVE	
	PRESSURE REDUCING VALVE	
	BACK PRESSURE VALVE	
	IRIS VALVE	
	MULTI ORIFICE VALVE	
	DUCK BILL CHECK VALVE	
	SPECTACLE FLANGE	
	UNION	
	FLAP VALVE *	
	MUD VALVE *	
	TELESCOPING VALVE *	
	INSECT SCREEN	
	QUICK DISCONNECT COUPLING	
	FLEXIBLE HOSE	
	PULSATION DAMPENER	
	CALIBRATION STANDPIPE (COLUMN)	

\*FLOW DIAGRAM ONLY

DWG. ABBREV.	ITEM	SYMBOL
	STATIC MIXER	
SG	SLIDE GATE	
SL	STOP LOG	
W	WEIR	
VD	VOLUME DAMPER	
	EXISTING PIPE & FACILITIES	
	PROPOSED PIPE & FACILITIES	
	PIPE: 6" & SMALLER	
	PIPE: 8" & LARGER	
	FLANGE	
BF	BLIND FLANGE	
	WELDED	
PO	MECHANICAL JOINT	
PO	RESTRAINED PUSH ON JOINT	
	GROOVED COUPLING (PIPE 6" & SMALLER)	
	GROOVED COUPLING (PIPE 8" & LARGER)	
	SLEEVE COUPLING	
	RESTRAINED SLEEVE COUPLING	
	FLANGE ADAPTER	
	RESTRAINED FLANGE ADAPTER	
	BOLTED SPLIT SLEEVE COUPLING (PIPE 6" & SMALLER)	
	BOLTED SPLIT SLEEVE COUPLING (PIPE 8" & LARGER)	
	EXPANSION JOINT W/CONTROL RODS	
	CONCENTRIC REDUCER	
	ECCENTRIC REDUCER FLAT ON TOP	
	ECCENTRIC REDUCER FLAT ON BOTTOM	
	WYE STRAINER	
	INSULATION (PIPE 6" & SMALLER)	
	INSULATION (PIPE 8" & LARGER)	
	EXISTING PIPE TO BE REMOVED	

DWG. ABBREV.	ITEM	SYMBOL
FE	FLOW RATE CONTROLLER	
FE	VENTURI FLOW METER	
FE	MAGNETIC FLOW METER	
	ORIFICE PLATE	
	ROTAMETER	
G	GAUGE	
	RUPTURE DISC	
WS	WATER SURFACE	
	DIRECTION OF FLOW	
	END CAP	
	PITCH PIPE DOWN IN DIRECTION OF ARROW	
	LIMITS OF WORK (TRADE, CONTRACT, ETC.)	
	POINT OF CONNECTION NEW WORK TO EXISTING WORK	
	LIMITS (MATERIAL, FURNISHED BY, ETC.)	
	SAMPLE TO LAB	
	CHEMICAL DIFFUSER AT PIPE	
	CHANNEL *	

ACTUATORS		
	MOTOR OPERATED	
	SOLENOID OPERATED	
	DIAPHRAGM	
	CYLINDER -- HYDRAULIC	
	CYLINDER -- PNEUMATIC	
	ELECTRO -- HYDRAULIC	
	EQUIPMENT MOTOR	

WALL / FLOOR CASTINGS		
FLG x PO	FLANGE AND PUSH ON JOINT	
PO x PO	PUSH ON JOINT AND PUSH ON JOINT	
PO x PE	PUSH ON JOINT AND PLAIN END	
FLG x FLG	FLANGE AND FLANGE	
FLG x PE	FLANGE AND PLAIN END	

\*FLOW DIAGRAM ONLY

DWG. ABBREV.	ITEM	SYMBOL
EQUIPMENT		
	POSITIVE DISPLACEMENT BLOWER*	
	CENTRIFUGAL BLOWER*	
	AXIAL FLOW PUMP*	
	VERTICAL WET PIT PUMP*	
	VERTICAL TURBINE CAN PUMP*	
	CENTRIFUGAL PUMP*	
	SUBMERSIBLE CENTRIFUGAL PUMP*	
	DIAPHRAGM PUMP*	
	HOSE OR TUBING PUMP*	
	METERING PUMP*	
	PLUNGER PUMP*	
	ROTARY LOBE PUMP*	
	PROGRESSIVE CAVITY PUMP*	
	GRINDER*	
	SCREW CONVEYOR*	
	HYDROCYCLONE*	
	MECHANICALLY CLEANED SCREEN*	

\*FLOW DIAGRAM ONLY

DWG. ABBREV.	ITEM	SYMBOL
EQUIPMENT		
	STATIC INTAKE SCREEN*	
	INLINE STRAINER*	
	DUPLEX BASKET STRAINER*	
	SUBMERSIBLE MIXER*	
	MIXER*	

\*FLOW DIAGRAM ONLY

AECOM

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IR DATE DESCRIPTION

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DISCIPLINE

PROCESS

SHEET TITLE

PROCESS LEGEND

SHEET NUMBER

00 D-002

D

C

B

A

PROCESS PIPING SCHEDULE																					
LEGEND	SYSTEM DESIGN CONDITIONS					PIPING					INSULATION		VALVING			TEST REQUIREMENTS				SPECS. SECTION NUMBER	REMARKS
	SYSTEM	TEMP. (DEG. F)		PRESSURE (PSI)		MATERIAL	DIAMETER RANGE	SCH./ CLASS	LINING/COATING	JOINT TYPE	TYPE	THICKNESS (IN.)	BLOCK	CHECK	THROTTLING	PRESSURE (PSI)	MEDIUM	TEST DURATION (MIN.)	LEAKAGE ALLOWANCE (SEE NOTES)		
		OPER.	MAX.	WORK.	MAX.																
D	DRAIN	SEE NOTE 4				DUCTILE IRON PVC	4" AND LARGER 3" AND SMALLER	SEE SPECS.	CEMENT ---	FLANGED / MECHANICAL JOINT / PUSH-ON SOCKET WELDED	---	---	---	---	---	SEE NOTE 4	WATER	60	NONE	02615 15370	
RW	RAW WATER	50	80	105	115	DUCTILE IRON	3" AND LARGER	SEE SPECS.	CEMENT	EXPOSED: FLANGED BURIED: RESTRAINED MECHANICAL JOINT	FIBERGLASS	2	GATE VALVE	RUBBER FLAPPER	---	170	WATER	60	NONE	02615	
SAM	SAMPLE	50	80	105	115	PVC	3" AND SMALLER	SEE SPECS.	---	SOCKET WELD	---	---	BALL	BALL	---	170	WATER	60	NONE	15370	

PROCESS PIPING NOTES:

1. PIPING SCHEDULE ABOVE REFERS TO MECHANICAL PROCESS PIPING ONLY. REFER TO OTHER DISCIPLINES FOR ANY NON-PROCESS PIPING SHOWN AS BACKGROUND INFORMATION ON THE MECHANICAL DRAWINGS AND FOR CONTINUATION OF PIPING BEYOND MECHANICAL DISCIPLINE LIMITS OF WORK.
2. TEST VENTS AND DRAINS TO SAME PRESSURE AS SYSTEM.
3. FOR OPEN VENTS, FILL VENT WITH WATER AND TEST FOR LEAKS.
4. SAME AS SYSTEM.
5. USE TYPE 316L S.S. PIPE FOR DRAINS FROM DUCTILE IRON SERVICE FOR DRAINS 3" AND SMALLER.

PROCESS PIPING NOTES CONT.

5. PROVIDE FLANGES AT EQUIPMENT, VALVES AND AS INDICATED ON THE DRAWINGS.
6. ALL PIPING THAT IS NOT BURIED SHALL BE CONSIDERED EXPOSED.
7. PROVIDE INSULATION AND PROTECTIVE INSULATION JACKET AS SPECIFIED FOR ALL EXTERIOR INSULATED PIPING.

PROCESS PUMP SCHEDULE																				
TAG NO.	NUMBER OF UNITS	NAME	LOCATION	TYPE	RATING POINT				MIN. SUCTION/ DISCHARGE SIZE (IN.)	PUMP RPM MAX.	SEAL TYPE	MOTOR DATA			DRIVE TYPE	SPEC. SECTION	GAUGE ASSEMBLY TYPE		BASIS OF DESIGN	REMARKS
					CAPACITY (GPM)	HEAD (FEET)	MIN. WIRE – TO – WATER EFF. %	MIN. SHUTOFF HEAD FT.				HP	RPM (MAX.)	ENCL. TYPE			SUCTION	DISCHARGE		
SW.P–1 10001	1	WIRE MILL SUBMERSIBLE WELL PUMP	WIRE MILL WELL	SUBMERSIBLE VERTICAL TURBINE	750	325	--	385	--/6	1730	MECHANICAL SEAL	100	1730	SUBMERSIBLE	DIRECT	13122	---	---	---	



PROJECT

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Improvements

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CLIENT

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of Connecticut

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SUBCONSULTANTS

SURVEY  
*Nafis & Young Engineers, Inc.*  
1355 Middletown Avenue  
Northford, CT 06472  
Tel: (203) 484-2793

REGISTRATION

PERMIT DRAWINGS

ISSUE/REVISION

IR	DATE	DESCRIPTION

PROJECT NUMBER

60687711

Designed By:	R. BERLANDY
Drawn By:	R. BERLANDY
Dept Check:	G. SIMARD
Proj Check:	P. SAMMIS
Date:	SEPTEMBER 2023
Scale:	AS INDICATED

DISCIPLINE

PROCESS

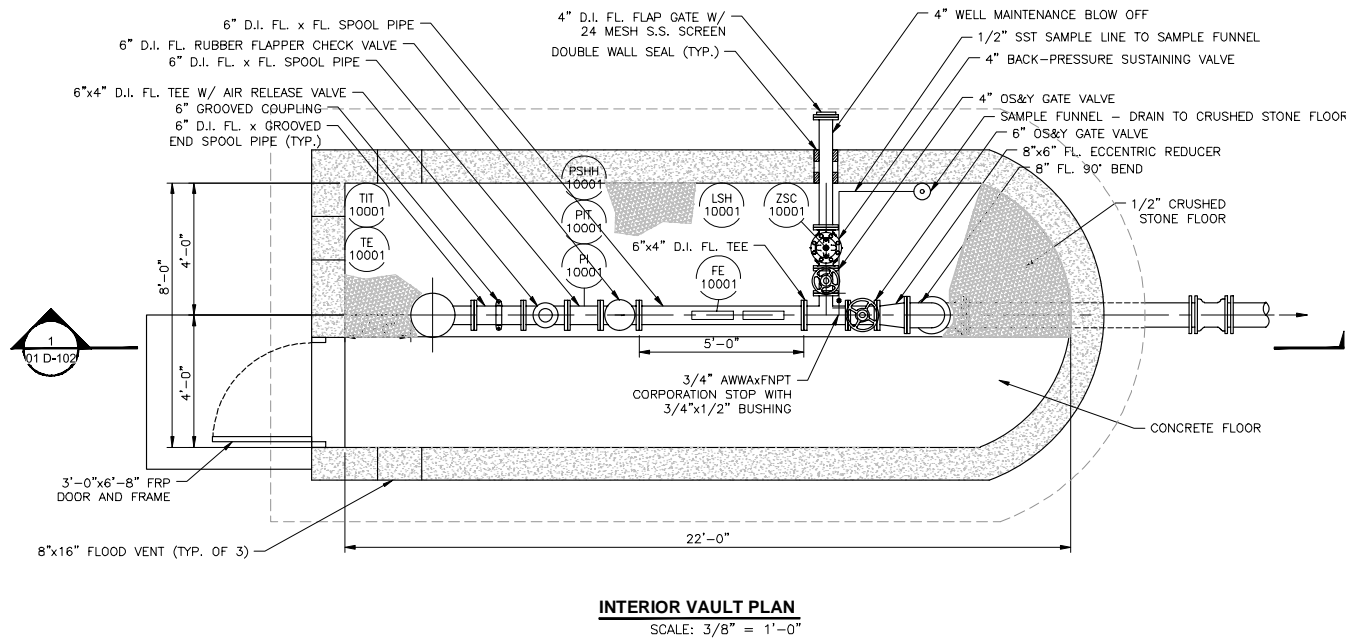
SHEET TITLE

SCHEDULES

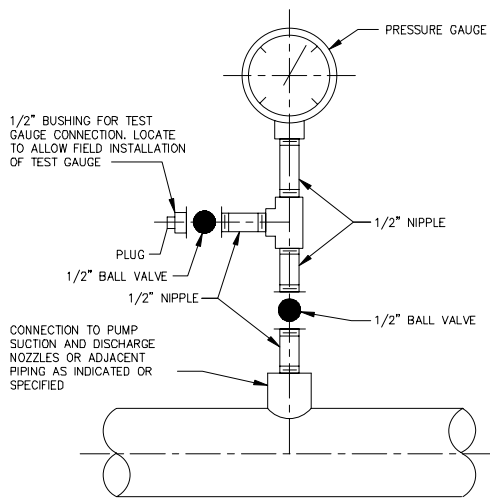
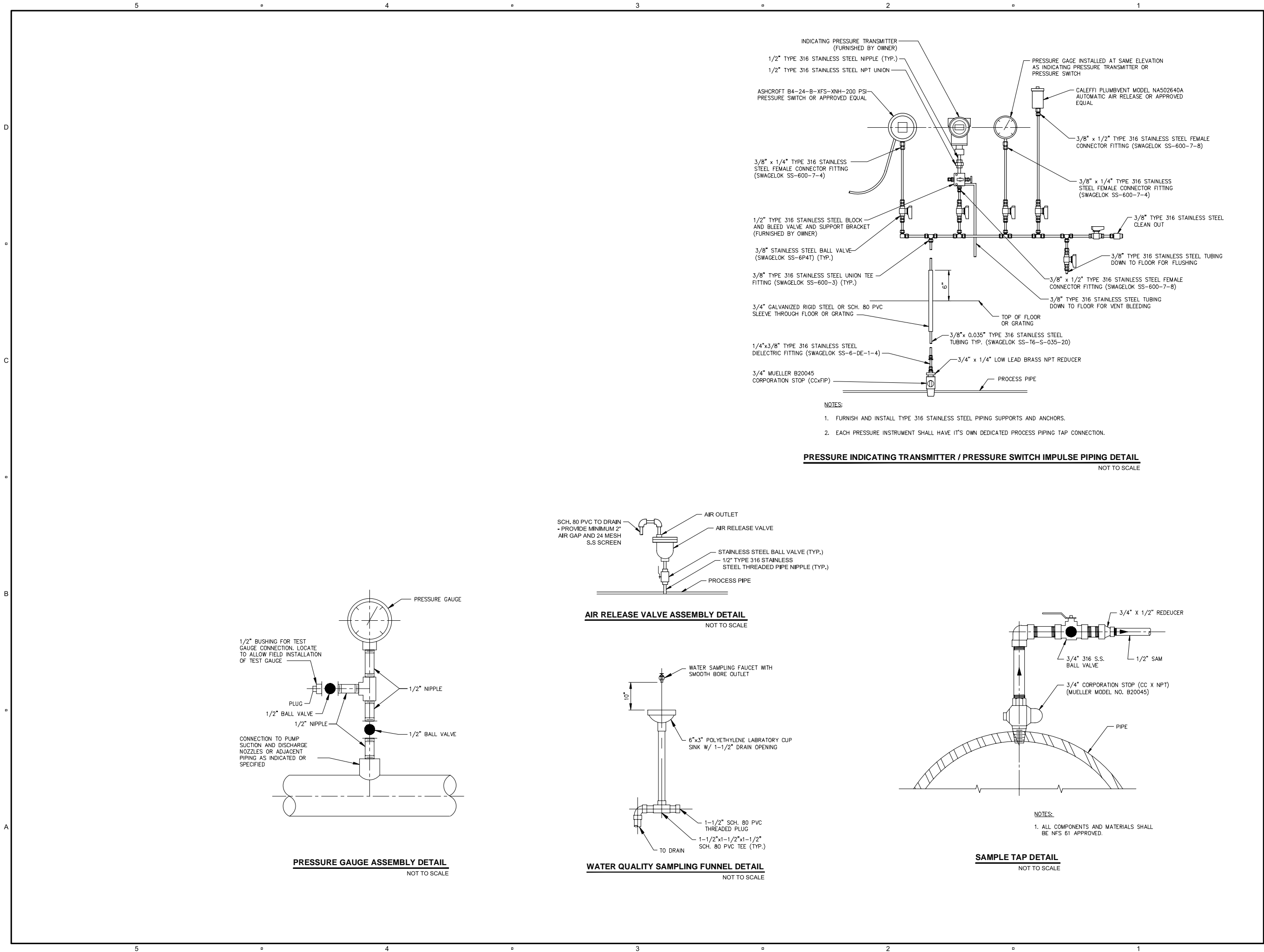
SHEET NUMBER

00 D-003

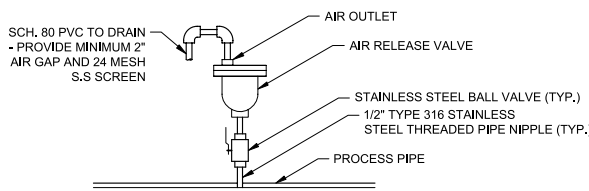




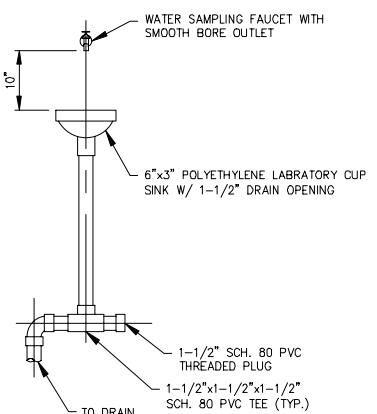
## 01 D-101



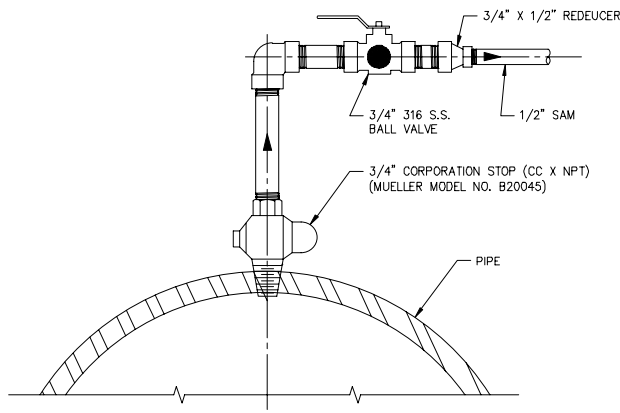
**PRESSURE GAUGE ASSEMBLY DETAIL**  
NOT TO SCALE



**AIR RELEASE VALVE ASSEMBLY DETAIL**  
NOT TO SCALE



**WATER QUALITY SAMPLING FUNNEL DETAIL**  
NOT TO SCALE



NOTES:

- ALL COMPONENTS AND MATERIALS SHALL BE NFS 61 APPROVED.

**SAMPLE TAP DETAIL**  
NOT TO SCALE

# AECOM

**PROJECT**

**Wire Mill Well Improvements**

Wire Mill Road  
Stamford, CT 06903

**CLIENT**

**Aquarion Water Company of Connecticut**

600 Lindley Street  
Bridgeport, CT 06066-5044  
T: 203.337.5991 F: 203.337.5938

**CONSULTANT**

AECOM TECHNICAL SERVICES, INC.  
500 ENTERPRISE DRIVE  
ROCKY HILL, CT 06067  
www.aecom.com

**SUBCONSULTANTS**

**SURVEY**  
**Nafis & Young Engineers, Inc.**  
1355 Middletown Avenue  
Northford, CT 06472  
Tel: (203) 484-2793

**REGISTRATION**

## PERMIT DRAWINGS

ISSUE/REVISION		

PROJECT NUMBER	
60687711	
Designed By:	R. BERLANDY
Drawn By:	R. BERLANDY
Dept Check:	
Proj Check:	P. SAMMIS
Date:	SEPTEMBER 2023
Scale:	AS INDICATED

DISCIPLINE
PROCESS SHEET TITLE

**PROCESS DETAILS I**

SHEET NUMBER
99 D-501



**GIS Aerial Image**

**0 Wire Mill Road**

## Wire Mill Well Site



## WestCOG Region Information

ID 135-S 002 9744  
Site Address 0 WIRE MILL ROAD  
Owner AQUARION WATER CO OF CT  
Co-Owner -  
Owner Address 600 LINDLEY ST



MAP FOR REFERENCE ONLY  
NOT A LEGAL DOCUMENT

Regional Map Viewer makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 05/25/2023  
Data updated 05/25/2023

Print map scale is approximate.  
Critical layout or measurement  
activities should not be done using  
this resource.

## **Project Narrative**

# Wire Mill Well Improvements

## Project Narrative

### **A. Project Background**

The Wire Mill Well is a finished water well within Aquarion Water Company's (AWC) system and represents a small percentage of the overall supply capacity for the Stamford System. The well is used on an as-needed basis and it was returned to active service during the fall of 2016 to address area-wide drought concerns and need for additional supply. Since that time, it has not been used on a regular basis.

The site consists of approximately three acres and is wooded except for the area adjacent to the well and the Rippowam River which traverses the site from east to west. The well is located within a small concrete block building approximately 200 feet south of Wire Mill Road and 120 feet from the Rippowam River.

The primary access to the well requires crossing of the Rippowam River via a gravel driveway. Since this well is only used during drought concerns, the river is typically at its lowest during those times and the well is accessible. However, the well is located within the floodway (refer to the FEMA firmette included) and is also subject to flooding during moderate to extreme rainfall events.

### **B. Purpose**

A "Wire Mill Well Alternatives Analysis" was prepared by AECOM in December, 2017 and many alternatives were evaluated. The purpose of this project is to implement the recommended alternative which is to convert the existing finished water well to a raw water supply and provide improvements to the site to minimize the impacts to the floodway. Some key features of the project are as follows:

- The existing concrete block building will be removed and a new D-shaped structure will be installed. There will be no increase in the base flood elevation. The proposed structure has a smaller footprint and will have vents to allow water to flow through it and equalize the pressure around the structure during periods of moving water. Refer to Drawing 99 C-301 for a cross section of the floodway.
- The well water is currently treated with caustic for pH adjustment and sodium hypochlorite for disinfection. Chemicals are stored in containers in the building as depicted in the photos provided in this application. The chemicals will no longer be required when the well is converted to raw water and will be removed from the site out of the floodway.
- The electrical and instrumentation panels are currently located inside the existing building. The new panels will be installed on top of the proposed structure above the 500-year flood elevation as shown on the plan and section drawing provided. Refer to Drawing 01 D-102.

- Since the volume of water this well can provide is small, this well is expected to be used only when necessary during drought-like conditions.
- This project falls under Connecticut General Statutes Section 16-235 for raw water utilities and a local inland wetlands and watercourses permit is not required; However, as shown on Drawing 01 D-102, the proposed improvements were located out of the inland wetland area. Activities shall be constructed to avoid and minimize adverse effects, both temporary and permanent, to the site.

Construction is tentatively planned for the Summer of 2024 to work in a period of typically dry weather and low stream flow periods. The construction period is expected to take 4 to 6 months from the notice to proceed to the restoration of the site. The site shall be restored to the pre-construction conditions at the end of the construction period.

### **C. Erosion and Sedimentation Controls**

All erosion and sedimentation controls shall be installed in accordance with the plans and details. Refer to the erosion and sedimentation Control notes on the drawings and Aquarion Water Company's details SD-23 through SD-30 (attached) that are also included in the contract documents. The Contractor shall be responsible for the installation, inspection, maintenance and removal of all sedimentation and erosion control measures. All measures shall be inspected by the contractor regularly during dry weather and after each period of rainfall. Repair or replacement of damaged sedimentation or erosion control measures shall be done immediately. There shall be no stockpiling or disposal of surplus material within or immediately adjacent to the wetlands or watercourses or the upland review areas.

Where necessary, construction/timber mats shall be used to support the equipment in such a way as to minimize disturbance of the site. Construction mats can be placed to cross the Rippowam River and its upland review area. Construction mats should be managed in accordance with best management practices (BMPs) including the following:

- Mats should be in good condition to ensure proper installation, use and removal;
- Erosion and sedimentation controls shall be installed at approaches to mats to promote a smooth transition to and minimize sediment tracking onto the mats.



#### **D. Dewatering during Construction**

Any water that is pumped and discharged from the excavation as part of the Contractor's water handling shall be filtered by an approved method prior to its discharge into a receiving water or drainage system.

Under no circumstances shall the Contractor discharge water to the areas designated as wetlands. The Contractor shall discharge water from dewatering operations directly to the nearest drainage system, stream, or waterway after filtering by an approved method.

The pumped water shall be filtered through a geotextile dewatering bag or filter fabric and baled hay/straw to trap sediment occurring as a result of the construction operations. Accumulated sediment shall be cleared periodically.

#### **E. Drainage**

The existing drainage patterns will remain on the site. The site will be restored to its original grade and there are no proposed paved areas. AWC shall inspect the chain link fence after each flooding event and remove and dispose of any accumulated debris.

The existing structure was an impervious concrete block structure. The new "D-shaped" structure will have vents to allow water to flow through it when the water elevation rises.

#### **F. Biological Impact**

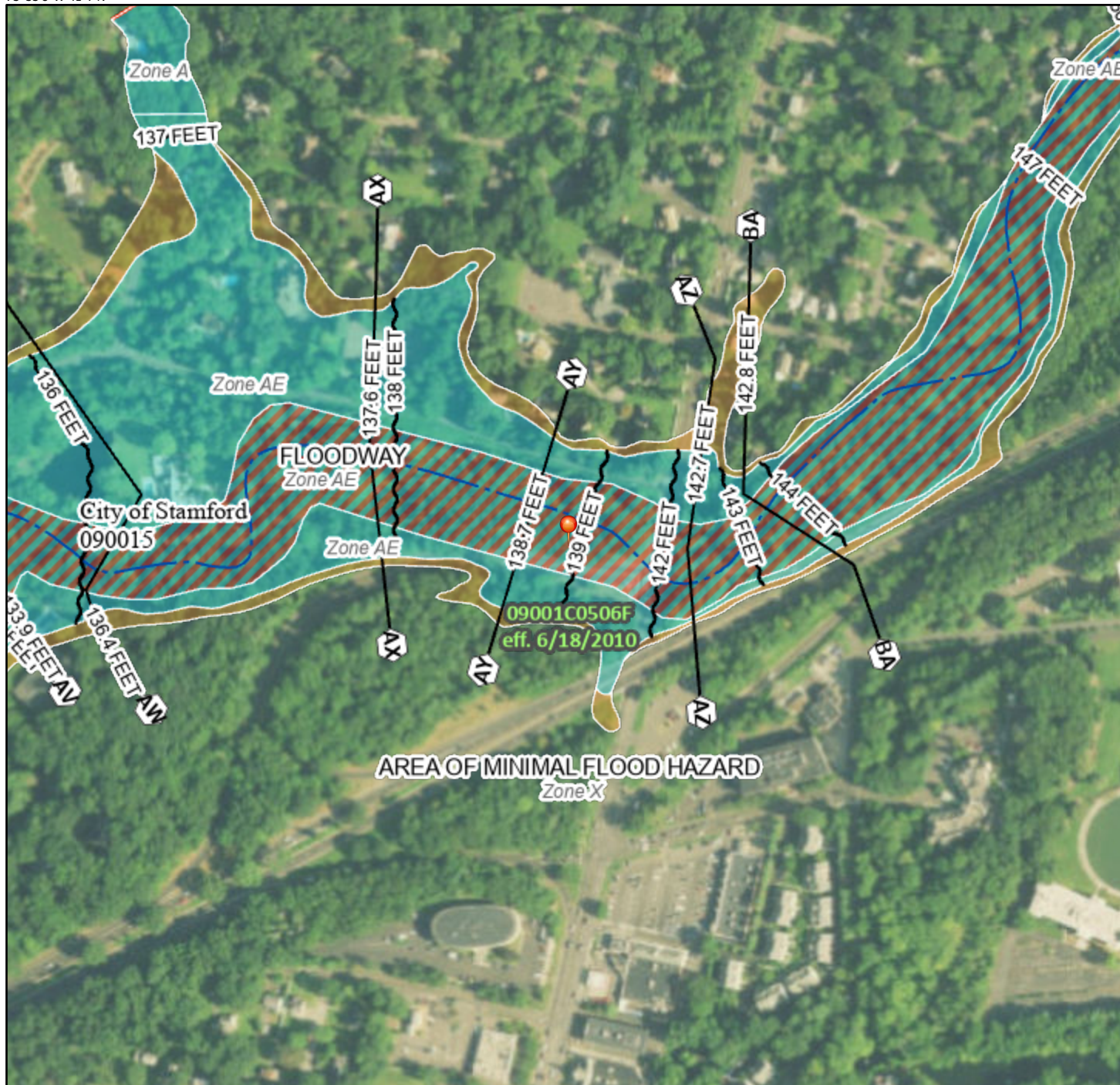
A review of the biological conditions at the site was conducted. The following is a summary of what was found. No impacts are anticipated.

- U.S. Fish and Wildlife Service Threatened and Endangered Species Consultation: The project was reviewed for the presence of federally listed or proposed, threatened, or endangered species or critical habitat, which is required for projects with federal involvement according to the procedure identified by the US Fish and Wildlife Service (USFWS). According to the CT NDDB map dated June, 2023, the parcel is not identified as critical habitat for threatened & endangered species by the USFWS under the Endangered Species Act.
- The NDDB Northern Long-eared Bat Map was reviewed and the bat is not found in this area.
- There is a recent DEEP requirement to review freshwater mussel areas. The Rippowam River is not shown as a location for freshwater mussels on the website.

# National Flood Hazard Layer FIRMMette



73°33'8"W 41°7'N



0 250 500 1,000 1,500 2,000 Feet 1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/13/2023 at 1:44 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

## **Recent Photographs of Wire Mill Well Site**



## Recent Photographs of the Wire Mill Well Site



*Existing Structure and Site  
looking South*



*Existing Structure and Site  
looking North*



*Driveway off  
Wire Mill Road*



## Recent Photographs of the Wire Mill Well Site



*Chemicals will be Removed  
when Well is Converted*



*Existing Enclosures will be removed  
and New Enclosures will be installed  
above the 500-year Floodplain*



*Existing Driveway looking North*

**Property Deed**

**0 Wire Mill Road**

# CERTIFICATE OF CHANGE OF NAME

TO WHOM IT MAY CONCERN:

BE IT KNOWN that BHC COMPANY, a specially chartered Connecticut corporation, the owner of interests in real estate and/or personal property and one or more mortgages and other financing documents encumbering real estate and/or personal property, recorded in the Land Records of the Towns in Connecticut listed on Exhibit A hereto, has changed its name to AQUARION WATER COMPANY OF CONNECTICUT pursuant to a Plan of Merger effective at the close of business on April 26, 2002, and filed in the Office of Secretary of State of Connecticut on April 30, 2002, pursuant to which CONNECTICUT-AMERICAN WATER COMPANY was merged with and into BHC COMPANY, the surviving corporation, under the name of AQUARION WATER COMPANY OF CONNECTICUT. The undersigned has duly executed this Certificate and given it for record in compliance with statutory requirements of the State of Connecticut.

Dated this 13<sup>th</sup> day of May, 2002

WITNESSES:

AQUARION WATER COMPANY  
OF CONNECTICUT

*Elizabeth Camerino-Schultz*  
Elizabeth Camerino-Schultz

BY *Larry L. Bingaman*  
Larry L. Bingaman  
Secretary

*Maureen C. Shea*  
MAUREEN C. SHEA

STATE OF CONNECTICUT )

) SS. Bridgeport

COUNTY OF FAIRFIELD )

The foregoing instrument was acknowledged before me this 13<sup>th</sup> day of May, 2002, by Larry L. Bingaman, Secretary of AQUARION WATER COMPANY OF CONNECTICUT, a Connecticut corporation, on behalf of said corporation, who swore to the truth of the matters set forth herein.

*Elizabeth Camerino-Schultz*  
Notary Public

EXHIBIT A

Beacon Falls  
Bethel  
Bridgeport  
Canaan  
Cornwall  
Danbury  
Darien  
East Granby  
Easton  
Fairfield  
Goshen  
Granby  
Kent  
Litchfield  
Monroe  
New Canaan  
New Fairfield  
Newtown  
Norfolk  
North Canaan  
Oxford  
Redding  
Ridgefield  
Salisbury  
Seymour  
Sharon  
Shelton  
Sherman  
Simsbury  
Southbury  
Stamford  
Stratford  
Torrington  
Trumbull  
Weston  
Westport  
Wilton  
Woodbridge

THE LAND AFFECTED HEREBY LIES IN BLOCK  
\_\_\_\_ OF THE STAMFORD BLOCK MAP;  
RECEIVED FOR RECORD AT STAMFORD, CT  
ON 5-21-02 AT 10:42 AM  
ATTEST: DONNA M. LOGLICI, CITY & TOWN CLERK

## CERTIFICATE AS TO MERGER AND CHANGE OF NAME

TO WHOM IT MAY CONCERN:

BE IT KNOWN that STAMFORD WATER COMPANY, a specially chartered Connecticut corporation, the owner of interests in real estate, and/or of one or more mortgages and other financing documents encumbering real estate, recorded in the Land Records of the Town of Stamford, Connecticut, pursuant to a Plan of Merger effective at the close of business on December 31, 1996 and filed in the office of the Secretary the State of Connecticut on December 19, 1996, was merged with and into BRIDGEPORT HYDRAULIC COMPANY, a specially chartered Connecticut corporation, the surviving corporation, under the name of BHC COMPANY. The undersigned has duly executed this Certificate and given it for record in compliance with statutory requirements of the State of Connecticut.

Dated this 2nd day of January, 1997.

WITNESSES:

Elizabeth Camerino-Schultz  
Elizabeth Camerino-Schultz  
Allen J. Roberts III  
Allen J. Roberts III

BHC COMPANY

By Larry L. Bingaman  
Larry L. Bingaman  
Secretary

STATE OF CONNECTICUT )  
 ) ss. Bridgeport  
COUNTY OF FAIRFIELD )

The foregoing instrument was acknowledged before me this 2nd day of January, 1997, by Larry L. Bingaman, Secretary of BHC COMPANY, a specially chartered Connecticut corporation, on behalf of said corporation, who swore to the truth of the matters set forth herein.

Elizabeth Camerino-Schultz

Notary Public  
My Commission Expires:

ELIZABETH CAMERINO-SCHULTZ  
NOTARY PUBLIC  
My Commission Expires: February 28, 1997

THIS LAND AFFECTED HEREBY LIES IN BLOCK \_\_\_\_\_  
OF THE STAMFORD BLOCK MAP. RECEIVED FOR RECORD  
AT STAMFORD ON 12-97 AT 11:43 A.M.  
ATTEST: LOIS FONTBRANT, TOWN AND CITY CLERK



TO ALL PEOPLE TO WHOM THESE PRESENTS SHALL COME, GREETING:

KNOW YE, That the State of Connecticut, acting herein by Howard S. Ives, its Highway Commissioner, hereunto duly authorized under authority granted by Public Act #226, Section 80, of the 1963 January Session of the General Assembly of the State of Connecticut, and with the advice and consent of the Commissioner of Finance and Control of the State of Connecticut, for the consideration of One Dollar and other valuable considerations received to its full satisfaction of The Stamford Water Company, a corporation specially chartered by the General Assembly of the State of Connecticut, located in the City of Stamford, County of Fairfield and State of Connecticut, does remise, release and forever Quit-Claim unto the said The Stamford Water Company, its successors and assigns forever, all the right, title, interest, claim and demand whatsoever as it, the said Releasor, has or ought to have in or to that certain parcel of land, situated in the City of Stamford, County of Fairfield and State of Connecticut, on the southerly side of Wire Mill Road, and containing 3.00 acres, more or less, bounded and described as follows:

Beginning at a point in the southerly highway line of Wire Mill Road at the division line between lands now or formerly of John T. Ostheimer et al. and of the Releasor herein;

- THENCE - easterly, along said southerly highway line, 424.81 feet, to a point 27 feet westerly, measured along said southerly highway line, from a Connecticut Highway Department Monument;
- THENCE - along land of the Releasor herein, along the northerly highway line of the Merritt Parkway right of way, as established by this instrument, south  $16^{\circ}04'59''$ , west, 213.27 feet, to a point 90 feet northerly from and measured radially to the base line of Ramp "B" of the Merritt Parkway; and westerly and southwesterly, along a line which is 90 feet northerly and northwesterly from and concentric with said base line, 479.28 feet, to land of aforesaid John T. Ostheimer et al.;
- THENCE - northerly, along land of said John T. Ostheimer et al., 485.60 feet, to the point of beginning.

The premises herein described consist of a portion of Parcel "D" of the premises acquired from Catherine Dunn, by a Warranty Deed, dated September 11, 1936 and recorded in the Stamford Land Records in Volume 458 at Page 26.

It is expressly understood and agreed that all rights of Ingress and Egress are specifically denied, directly to and from the right of way location of the Merritt Parkway, from and to the land herein conveyed.

The Releasor herein hereby reserves the right to discharge surface water upon and over the above described premises from a culvert shown on map herein referred to.



1069 469

-2-

The above described premises are conveyed subject to such rights and easements as may appear of record and to any state of facts which an inspection of the premises may show.

It is expressly understood and agreed that this deed does not convey title in fee simple in and to the roadway lying between the premises herein described and the center line of the Merritt Parkway or of any of its ramps.

It is a condition of this deed, and the Releasee herein, for itself, its successors and assigns, hereby agrees that no building, structure or sign will be erected or placed upon the premises herein described within the area thereof which is southerly and southeasterly of a line which is 120 feet northerly and northwesterly from and concentric with the base line of Ramp "B" aforesaid.

For a more particular description of the above described premises, reference is made to a map to be filed in the Stamford Town Clerk's Office, entitled: "Town of Stamford, Map showing land to be released to Stamford Water Company by The State of Connecticut, Merritt Parkway, Scale 1"=40', September 1963, Howard S. Ives, Highway Commissioner."

TO HAVE AND TO HOLD the premises, with all the appurtenances, unto the said Releasee, its successors and assigns forever, so that neither it, the said Releasor, nor its successors, nor any other person or persons under it or them shall hereafter have any claim, right or title in or to the premises, or any part thereof, but therefrom it is and they are by these presents forever barred and excluded.

IN WITNESS WHEREOF, the State of Connecticut, acting herein by Howard S. Ives, its Highway Commissioner, has caused its seal to be hereunto affixed, and this instrument to be executed in its behalf, this 4th day of October, A.D. 1963.

Signed, Sealed and Delivered  
in the presence of

Nicholas N. Turley  
NICHOLAS N. TURLEY  
MAE I. DALY

STATE OF CONNECTICUT  
By Howard S. Ives (L.S.)  
State Highway Commissioner

STATE OF CONNECTICUT } ss. Wethersfield, Ct. A.D. 1963.  
COUNTY OF HARTFORD }

Personally appeared for the State of Connecticut, Howard S. Ives, its Highway Commissioner, signer and sealer of the foregoing instrument, and acknowledged the same to be the free act and deed of the State of Connecticut, and his free act and deed in the aforesaid capacity, before me,

Nicholas N. Turley  
Notary Public  
NICHOLAS N. TURLEY



1069 410

-3-

This conveyance is made with the advice and consent of the undersigned, in conformity with Public Act #226, Section 80, of the 1963 January Session of the General Assembly of the State of Connecticut.

*George J. Conkling*  
George J. Conkling  
Commissioner of Finance & Control  
of the State of Connecticut

APPROVED  
AS TO FORM

*Louis A. Clapes*  
L. A. Clapes  
City and Town Clerk

The land affected hereby lies in Block 378 of the Stamford Block Map. Received for record Jan. 24, 1966 at 11:40 A.M. and recorded by Louis A. Clapes, City and Town Clerk

**Names and Mailing Addresses of Property Owners  
advised of the filing of the application including:**

- **USPS Certificate of Mailing**
- **Copies of the Letters**

Names and Addresses of Property Owners within 250' of 0 Wire Mill Road

Owner	Owner Address	City	Zip
Gregory and Maureen Shulas	622 Wire Mill Road	Stamford, CT	06903-4708
William Wilson	614 Wire Mill Road	Stamford, CT	06903-4708
Cosmo and Joyce Mirizio	612 Wire Mill Road	Stamford, CT	06903-4708
Adam J. Whittingham	606 Wire Mill Road	Stamford, CT	06903-4708
Georgette Bateman	598 Wire Mill Road	Stamford, CT	06903-4708
Leon Roberto Rev Trust	21 Blackwood Lane	Stamford, CT	06903-4734
Gerald Backman Rev. Trust	6120 SW 102nd Street	Miami, FL	33156-1919
Guo Charles Xiao Qing & Zhou Weiou Sur	86-15 Broadway #2A	Elmhurst, NY	11373
Archa Saran	22 Blackwood Lane	Stamford, CT	06903-4731
503 Wire Mill Road LLC	503 Wire Mill Road	Stamford, CT	06903
503 Wire Mill Road LLC	503 Studio Road	Stamford, CT	06905
State of Connecticut	450 Capitol Avenue	Hartford, CT	06106
City of Stamford	888 Washington Boulevard	Stamford, CT	06901

Source: <https://westcoget.mapgeo.io>



AECOM  
500 Enterprise Drive, Suite 1A  
Rocky Hill, CT 06062

(860) 263-5800 tel  
(860) 263-5777 fax

September 14, 2023

Maureen and Gregory Shulas  
622 Wire Mill Road  
Stamford, Connecticut 06903-4708

RE: Aquarion Water Transmission Main project

Dear Mr. and Mrs. Shulas,

On behalf of the Aquarion Water Company, this correspondence serves as the required notification pursuant to the Inland Wetlands and Watercourse Regulations of the City of Stamford that an application to conduct regulated activities has been filed with the Stamford Environmental Protection Board (EPB).

Aquarion Water Company is seeking to make improvements to an existing well located approximately 220' south of Wire Mill Road in Stamford.

The application procedures of the EPB require that this notice be provided to surrounding property owners. Any questions may be directed to Bill Dwinells at 203-337-5906 or [bdwinells@aquarionwater.com](mailto:bdwinells@aquarionwater.com).

Sincerely,

A handwritten signature in cursive script that reads "Maureen Crowley".

Maureen Crowley, P.E.

AECOM

cc: Bill Dwinells, Aquarion Water Company  
Peter Sammis, AECOM



AECOM  
500 Enterprise Drive, Suite 1A  
Rocky Hill, CT 06062

(860) 263-5800 tel  
(860) 263-5777 fax

September 14, 2023

William Wilson  
614 Wire Mill Road  
Stamford, Connecticut 06903-4708

RE: Aquarion Water Transmission Main project

Dear Mr. Wilson,

On behalf of the Aquarion Water Company, this correspondence serves as the required notification pursuant to the Inland Wetlands and Watercourse Regulations of the City of Stamford that an application to conduct regulated activities has been filed with the Stamford Environmental Protection Board (EPB).

Aquarion Water Company is seeking to make improvements to an existing well located approximately 220' south of Wire Mill Road in Stamford.

The application procedures of the EPB require that this notice be provided to surrounding property owners. Any questions may be directed to Bill Dwinells at 203-337-5906 or [bdwinells@aquarionwater.com](mailto:bdwinells@aquarionwater.com).

Sincerely,

A handwritten signature in cursive script that reads "Maureen Crowley".

Maureen Crowley, P.E.

AECOM

cc: Bill Dwinells, Aquarion Water Company  
Peter Sammis, AECOM



AECOM  
500 Enterprise Drive, Suite 1A  
Rocky Hill, CT 06062

(860) 263-5800 tel  
(860) 263-5777 fax

September 14, 2023

Cosmo and Joyce Mirizio  
612 Wire Mill Road  
Stamford, Connecticut 06903-4708

RE: Aquarion Water Transmission Main project

Dear Mr. and Mrs. Mirizio,

On behalf of the Aquarion Water Company, this correspondence serves as the required notification pursuant to the Inland Wetlands and Watercourse Regulations of the City of Stamford that an application to conduct regulated activities has been filed with the Stamford Environmental Protection Board (EPB).

Aquarion Water Company is seeking to make improvements to an existing well located approximately 220' south of Wire Mill Road in Stamford.

The application procedures of the EPB require that this notice be provided to surrounding property owners. Any questions may be directed to Bill Dwinells at 203-337-5906 or [bdwinells@aquarionwater.com](mailto:bdwinells@aquarionwater.com).

Sincerely,

A handwritten signature in cursive script, reading "Maureen Crowley".

Maureen Crowley, P.E.

AECOM

cc: Bill Dwinells, Aquarion Water Company  
Peter Sammis, AECOM



AECOM  
500 Enterprise Drive, Suite 1A  
Rocky Hill, CT 06062

(860) 263-5800 tel  
(860) 263-5777 fax

September 14, 2023

Adam J. Whittingham  
606 Wire Mill Road  
Stamford, Connecticut 06903-4708

RE: Aquarion Water Transmission Main project

Dear Mr. Whittingham,

On behalf of the Aquarion Water Company, this correspondence serves as the required notification pursuant to the Inland Wetlands and Watercourse Regulations of the City of Stamford that an application to conduct regulated activities has been filed with the Stamford Environmental Protection Board (EPB).

Aquarion Water Company is seeking to make improvements to an existing well located approximately 220' south of Wire Mill Road in Stamford.

The application procedures of the EPB require that this notice be provided to surrounding property owners. Any questions may be directed to Bill Dwinells at 203-337-5906 or [bdwinells@aquarionwater.com](mailto:bdwinells@aquarionwater.com).

Sincerely,

A handwritten signature in cursive script that reads "Maureen Crowley".

Maureen Crowley, P.E.

AECOM

cc: Bill Dwinells, Aquarion Water Company  
Peter Sammis, AECOM





AECOM  
500 Enterprise Drive, Suite 1A  
Rocky Hill, CT 06062

(860) 263-5800 tel  
(860) 263-5777 fax

September 14, 2023

Georgette Bateman  
598 Wire Mill Road  
Stamford, Connecticut 06903-4708

RE: Aquarion Water Transmission Main project

Dear Ms. Bateman,

On behalf of the Aquarion Water Company, this correspondence serves as the required notification pursuant to the Inland Wetlands and Watercourse Regulations of the City of Stamford that an application to conduct regulated activities has been filed with the Stamford Environmental Protection Board (EPB).

Aquarion Water Company is seeking to make improvements to an existing well located approximately 220' south of Wire Mill Road in Stamford.

The application procedures of the EPB require that this notice be provided to surrounding property owners. Any questions may be directed to Bill Dwinells at 203-337-5906 or [bdwinells@aquarionwater.com](mailto:bdwinells@aquarionwater.com).

Sincerely,

A handwritten signature in cursive script that reads "Maureen Crowley".

Maureen Crowley, P.E.

AECOM

cc: Bill Dwinells, Aquarion Water Company  
Peter Sammis, AECOM



AECOM  
500 Enterprise Drive, Suite 1A  
Rocky Hill, CT 06062

(860) 263-5800 tel  
(860) 263-5777 fax

September 14, 2023

Roberto Leon, Rev. Trust  
21 Blackwood Lane  
Stamford, Connecticut 06903-4734

RE: Aquarion Water Transmission Main project near 578 Wire Mill Road

To Whom it May Concern,

On behalf of the Aquarion Water Company, this correspondence serves as the required notification pursuant to the Inland Wetlands and Watercourse Regulations of the City of Stamford that an application to conduct regulated activities has been filed with the Stamford Environmental Protection Board (EPB).

Aquarion Water Company is seeking to make improvements to an existing well located approximately 220' south of Wire Mill Road in Stamford.

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Maureen Crowley, P.E.

AECOM

cc: Bill Dwinells, Aquarion Water Company  
Peter Sammis, AECOM



AECOM  
500 Enterprise Drive, Suite 1A  
Rocky Hill, CT 06062

(860) 263-5800 tel  
(860) 263-5777 fax

September 14, 2023

Gerald Backman, Rev. Trust  
6120 SW 102<sup>nd</sup> Street  
Miami, FL 33156-1919

RE: Aquarion Water Transmission Main project near 546 Wire Mill Road

To Whom it May Concern,

On behalf of the Aquarion Water Company, this correspondence serves as the required notification pursuant to the Inland Wetlands and Watercourse Regulations of the City of Stamford that an application to conduct regulated activities has been filed with the Stamford Environmental Protection Board (EPB).

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Maureen Crowley, P.E.

AECOM

cc: Bill Dwinells, Aquarion Water Company  
Peter Sammis, AECOM



AECOM  
500 Enterprise Drive, Suite 1A  
Rocky Hill, CT 06062

(860) 263-5800 tel  
(860) 263-5777 fax

September 14, 2023

Guo Charles Xiao Qing & Zhou Weiou  
86-15 Broadway 2A  
Elmhurst, NY 11373

RE: Aquarion Water Transmission Main project near 543 Wire Mill Road

To Whom it May Concern,

On behalf of the Aquarion Water Company, this correspondence serves as the required notification pursuant to the Inland Wetlands and Watercourse Regulations of the City of Stamford that an application to conduct regulated activities has been filed with the Stamford Environmental Protection Board (EPB).

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A handwritten signature in cursive script, reading "Maureen Crowley".

Maureen Crowley, P.E.

AECOM

cc: Bill Dwinells, Aquarion Water Company  
Peter Sammis, AECOM



AECOM  
500 Enterprise Drive, Suite 1A  
Rocky Hill, CT 06062

(860) 263-5800 tel  
(860) 263-5777 fax

September 14, 2023

Archa Saran  
22 Blackwood Lane  
Stamford, CT 06903-4731

RE: Aquarion Water Transmission Main project

To Whom it May Concern,

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A handwritten signature in cursive script, reading "Maureen Crowley".

Maureen Crowley, P.E.

AECOM

cc: Bill Dwinells, Aquarion Water Company  
Peter Sammis, AECOM





AECOM  
500 Enterprise Drive, Suite 1A  
Rocky Hill, CT 06062

(860) 263-5800 tel  
(860) 263-5777 fax

September 14, 2023

503 Wire Mill Road LLC  
0 Studio Road  
Stamford, CT 06903

RE: Aquarion Water Transmission Main project near 503 Wire Mill Road

To Whom it May Concern,

On behalf of the Aquarion Water Company, this correspondence serves as the required notification pursuant to the Inland Wetlands and Watercourse Regulations of the City of Stamford that an application to conduct regulated activities has been filed with the Stamford Environmental Protection Board (EPB).

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Sincerely,

A handwritten signature in cursive script that reads "Maureen Crowley".

Maureen Crowley, P.E.

AECOM

cc: Bill Dwinells, Aquarion Water Company  
Peter Sammis, AECOM



AECOM  
500 Enterprise Drive, Suite 1A  
Rocky Hill, CT 06062

(860) 263-5800 tel  
(860) 263-5777 fax

September 14, 2023

503 Wire Mill Road LLC  
503 Studio Road  
Stamford, CT 06905

RE: Aquarion Water Transmission Main project near 503 Studio Road

To Whom it May Concern,

On behalf of the Aquarion Water Company, this correspondence serves as the required notification pursuant to the Inland Wetlands and Watercourse Regulations of the City of Stamford that an application to conduct regulated activities has been filed with the Stamford Environmental Protection Board (EPB).

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Sincerely,

A handwritten signature in cursive script that reads "Maureen Crowley".

Maureen Crowley, P.E.

AECOM

cc: Bill Dwinells, Aquarion Water Company  
Peter Sammis, AECOM



AECOM  
500 Enterprise Drive, Suite 1A  
Rocky Hill, CT 06062

(860) 263-5800 tel  
(860) 263-5777 fax

September 14, 2023

State of Connecticut  
450 Capitol Avenue  
Hartford, CT 06106

RE: Aquarion Water Transmission Main project near 0 High Ridge Road

To Whom it May Concern,

On behalf of the Aquarion Water Company, this correspondence serves as the required notification pursuant to the Inland Wetlands and Watercourse Regulations of the City of Stamford that an application to conduct regulated activities has been filed with the Stamford Environmental Protection Board (EPB).

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Sincerely,

A handwritten signature in cursive script that reads "Maureen Crowley".

Maureen Crowley, P.E.

AECOM

cc: Bill Dwinells, Aquarion Water Company  
Peter Sammis, AECOM



AECOM  
500 Enterprise Drive, Suite 1A  
Rocky Hill, CT 06062

(860) 263-5800 tel  
(860) 263-5777 fax

September 14, 2023

City of Stamford  
888 Washington Boulevard  
Stamford, CT 06901

RE: Aquarion Water Transmission Main project near 0 High Ridge Road

To Whom it May Concern,

On behalf of the Aquarion Water Company, this correspondence serves as the required notification pursuant to the Inland Wetlands and Watercourse Regulations of the City of Stamford that an application to conduct regulated activities has been filed with the Stamford Environmental Protection Board (EPB).

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A handwritten signature in cursive script that reads "Maureen Crowley".

Maureen Crowley, P.E.

AECOM

cc: Bill Dwinells, Aquarion Water Company  
Peter Sammis, AECOM

Maureen Crowley  
AECOM  
500 Enterprise Dr Ste 1a  
Rocky Hill CT 06067-3913

CERTIFIED MAIL®



9414 8112 0620 3016 5978 30

503 Wire Mill Road LLC  
503 Wire Mill Rd  
Stamford CT 06903-4716

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FROM 06067  
09/14/2023  
stamps  
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0625001443192

Maureen Crowley  
AECOM  
500 Enterprise Dr Ste 1a  
Rocky Hill CT 06067-3913

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9414 8112 0620 3016 5932 83

Archa Saran  
22 Blackwood Ln  
Stamford CT 06903-4731

\$7.180  
US POSTAGE  
FIRST-CLASS  
FROM 06067  
09/14/2023  
stamps  
endicia

0625001443241

Maureen Crowley  
AECOM  
500 Enterprise Dr Ste 1a  
Rocky Hill CT 06067-3913

CERTIFIED MAIL®



9414 8112 0620 3016 5722 19

Guo Charles Xiao Qing  
Zhou Weiou Sur  
8615 Broadway Apt 2a  
Elmhurst NY 11373-5822

\$7.180  
US POSTAGE  
FIRST-CLASS  
FROM 06067  
09/14/2023  
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0625001443236

Maureen Crowley  
AECOM  
500 Enterprise Dr Ste 1a  
Rocky Hill CT 06067-3913

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9414 8112 0620 3016 5894 16

503 Wire Mill Road LLC  
503 Studio Road  
Stamford CT 06905

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0625001459004



Maureen Crowley  
AECOM  
500 Enterprise Dr Ste 1a  
Rocky Hill CT 06067-3913

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9414 8112 0620 3018 6425 26

Gerald Backman Rev. Trust  
6120 Sw 102nd St  
Pinecrest FL 33156-1919

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0625001443271

Maureen Crowley  
AECOM  
500 Enterprise Dr Ste 1a  
Rocky Hill CT 06067-3913

CERTIFIED MAIL®



9414 8112 0620 3016 2069 54

Leon Roberto Rev Trust  
21 Blackwood Ln  
Stamford CT 06903-4734

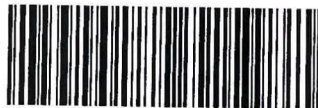
\$7.180  
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FROM 06067  
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06250014590426

Maureen Crowley  
AECOM  
500 Enterprise Dr Ste 1a  
Rocky Hill CT 06067-3913

CERTIFIED MAIL®



9414 8112 0620 3016 2860 24

Georgette Bateman  
598 Wire Mill Rd  
Stamford CT 06903-4708

\$7.180  
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FROM 06067  
09/14/2023  
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endicia



0625001443337

Maureen Crowley  
AECOM  
500 Enterprise Dr Ste 1a  
Rocky Hill CT 06067-3913

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9414 8112 0620 3016 2562 87

Adam J. Whittingham  
606 Wire Mill Rd  
Stamford CT 06903-4708

\$7.180  
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FROM 06067  
09/14/2023  
stamps  
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06250014590422

Maureen Crowley  
AECOM  
500 Enterprise Dr Ste 1a  
Rocky Hill CT 06067-3913

CERTIFIED MAIL®



9414 8112 0620 3018 2278 11

Cosmo and Joyce Mirizio  
612 Wire Mill Rd  
Stamford CT 06903-4708

\$7.180  
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FROM 06067  
09/14/2023  
stamps  
endicia



Maureen Crowley  
AECOM  
500 Enterprise Dr Ste 1a  
Rocky Hill CT 06067-3913

CERTIFIED MAIL®



9414 8112 0620 3016 2929 71

William Wilson  
614 Wire Mill Rd  
Stamford CT 06903-4708

\$7.180  
US POSTAGE  
FIRST-CLASS  
FROM 06067  
09/14/2023  
stamps  
endicia



Maureen Crowley  
AECOM  
500 Enterprise Dr Ste 1a  
Rocky Hill CT 06067-3913

CERTIFIED MAIL®



9414 8112 0620 3016 2314 82

Gregory and Maureen Shulas  
622 Wire Mill Rd  
Stamford CT 06903

\$7.180  
US POSTAGE  
FIRST-CLASS  
FROM 06067  
09/14/2023  
stamps  
endicia



Maureen Crowley  
AECOM  
500 Enterprise Dr Ste 1a  
Rocky Hill CT 06067-3913

CERTIFIED MAIL®



9414 8112 0620 3016 5245 84

State of Connecticut  
450 Capitol Ave  
Hartford CT 06106-1365

\$7.180  
US POSTAGE  
FIRST-CLASS  
FROM 06067  
09/14/2023  
stamps  
endicia



**Acknowledgement of Electronic Submission  
To CT Department of Public Health  
For Projects Located within Aquifer Protection Area**

Crowley, Maureen

---

From: Microsoft Power Apps and Power Automate <microsoft@powerapps.com>  
Sent: Thursday, September 14, 2023 4:10 PM  
To: Crowley, Maureen  
Subject: Acknowledgement of Submission to CTDPH

**This Message Is From an External Sender**

This message came from outside your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

[Report Suspicious](#)

This email is being sent automatically to confirm your submission of a project notification form to the Connecticut Department of Public Health pursuant to Connecticut General Statutes Section 8-3i and/or 22a-42f.

A project notification form is required to be completed and submitted to the Department of Public Health when an application, petition, request or plan is located in a Drinking Water Source Watershed or Aquifer Protection Area.

Thank you for your submission. If you have any questions, please send an email to [dph.sourceprotection@ct.gov](mailto:dph.sourceprotection@ct.gov).

Aquarion Water Company plans to convert a finished water well to a raw water well and make improvements to it at the Wire Mill Well site located at 0 Wire Mill Road.

It is a water supply well for Aquarion Water Company. The next question (#12) doesn't apply - no domestic waste service.

Onsite septic system (existing)

Maureen Crowley, AECOM on behalf of Aquarion Water Company

The well is not used on a regular basis. It is used when there are drought-like conditions. By converting the well to a raw water well, all chemicals will be removed from the structure and the electrical and instrumentation panels will be raised to be above the 500-year flood elevation.

No

less than 5 acres

0 Wire Mill Road, Stamford. Near the intersection with High Ridge Road.

Yes

41.1132

-73.5489

[maureen.crowley@aecom.com](mailto:maureen.crowley@aecom.com)

No

Yes

Institutional (school, hospital, nursing home, etc.)

2023-09-15

["Inland Wetlands Commission"]

No

anonymous

If you want to unsubscribe from these emails, please use this [form](#).



## **Soils Scientist Report**

# Soil Resource Consultants

P.O. Box 752

Meriden, CT 06450

June 16, 2023

**SRC Job No. 23-16**

David Nafis  
Nafis & Young Engineers, Inc.  
1355 Middletown Avenue  
Northford, CT 06472

Dear Mr. Nafis:

**Re: Wetland Delineation – Property Along Wire Mill Road – Stamford, CT**

At your request, I have completed an onsite investigation of this site. The purpose of my investigation was to identify and delineate the onsite inland wetlands and watercourse boundaries. The field work was completed on June 5, 2023.

The wetland and watercourse boundaries were marked with blue plastic flagging numbered **WF -1** through **WF-30**. Please refer to the enclosed sketch for the approximate location of the inland wetland and watercourse boundaries and selected wetland flag numbers. The sketch is not drawn to scale but is a field drawn representation of wetland and watercourse configurations. Flag numbers at property lines and other readily identifiable landmarks can be used to locate wetland lines in the field..

The wetland soil map prepared for this site is a refinement of data found in the **Soil Survey of Fairfield County**. Each map unit is composed of a unique combination of soils. Areas with the same symbol have a similar soil composition.

The map units described below are based on data collected at this particular site. Soil surveys in Connecticut were originally conducted for primarily agricultural purposes and do not provide site specific information. The minimum area delineated on a soil survey map sheet is approximately 2-3 acres in size. For this reason there may be some differences between the following information and that published in the Soil Survey.

## **INLAND WETLAND SOILS**

The identification of inland wetland areas on this site is based on my field observations of test borings and the guidelines of the **National Cooperative Soil Survey Program**. Test borings were done using a shovel and or hand auger.

In Connecticut inland wetland soil categories include poorly drained soils, very poorly drained soils, alluvial and flood plain soils.

**Wetland Delineations    Wetland Impact Evaluations    Environmental Planning**

**Aq**

The **Aq** map unit consists primarily of disturbed soil materials with poorly drained characteristics generally less than 20 inches down from the existing soil surface. The natural soil profile has been disturbed by previous filling and or grading activities. Classification into natural soil map units is not possible. This map unit is referred to taxonomically as - Aquent.

**Lc (4)**

The **Lc** map unit is composed primarily of Leicester extremely stony soils on 0 to 5 percent slopes. Leicester soils are very deep, poorly drained soils which formed in loamy glacial till derived from gneiss and schist. Typically they have fine sandy loam textures to a depth of 60 inches or more.

**W\C**

The **W\C** designation refers to the existence of a watercourse on the subject property. The watercourse is a well defined channel or ditch area that conveys excess surface water runoff from its drainage area as well as groundwater seepage areas and or inland wetland soil areas. Wetland soils may not occur in all locations along the watercourse channel.

## **NON-WETLAND SOILS**

The non-wetland soils were not studied or mapped in detail. Some observations were made of these soils during the process of identifying the inland wetland areas. Random soil borings in upland areas were marked with pink and black stripped plastic flagging. The following map unit descriptions do not constitute a detailed soil investigation of these upland areas, but may be used as a guide in site planning.

**Hk (38)**

The **Hk** map unit consists primarily of Hinckley soils on 3 to 15 percent slopes. Hinckley soils are very deep and excessively drained. These soils formed in glacial outwash materials. Typically Hinckley soils have gravelly sandy loam surface and subsoil layers overlying stratified sand and gravel to a depth of 60 inches or more.

**Ud (306)**

The **Ud** map unit consists of moderately well to well drained disturbed soils. It is composed of filled areas and areas consisting of both cut and fill. Soils in this map unit have been extensively disturbed by grading and excavation/extraction activities associated with the existing developed\altered portions of this site.

Classification into natural soil units is impossible. This map unit is referred to taxonomically as Udorthents. Original diagnostic soil horizons are not present. Soils in this map unit have a wide range of characteristics. Textures are predominantly gravelly sandy loams. Permeability can be variable due to the lack of soil profile structure caused by the grading activities.

If you have any questions regarding this report, or need additional assistance with this site, please contact me. Environmental planning and wetland impact evaluation services are also available upon request. I am available to attend Inland Wetland Commission meetings and site walks.

Sincerely,



**David H. Lord**  
Certified Soil Scientist  
& Environmental Consultant

**Wire Mill Rd  
Stamford, CT**



Imagery ©2023 CNES / Airbus, Maxar Technologies, New York GIS, Map data ©2023 G

**Soil Resource Consultants**

P. O. Box 752 Meriden, CT 06450

Inland Wetlands Not to Scale

026-5-234F1-32