

DRAFT

**Appendix E **

Water Report



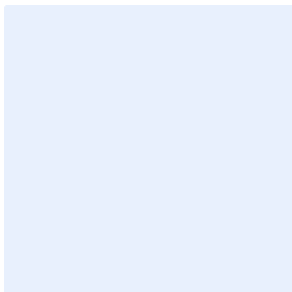
BLUE RILL ESTATES

Senior Housing Development

WATER REPORT

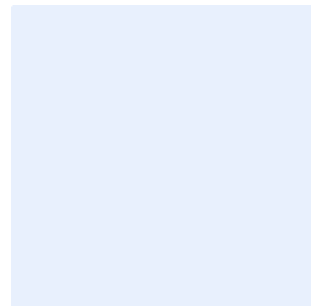
12/17/2024
MJ Project #1587.01

PREPARED FOR:



Blue Rill Estates LLC
ROCKLAND COUNTY,
NEW YORK

PREPARED BY:



**Engineering
Architecture
Landscape Architecture
and Land Surveying, P.C.**

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1.0 INTRODUCTION

1.1 PROJECT LOCATION

The project site is the former Blue Rill Day Camp located off Saddle River Road approximately 78 feet south of Long Meadow Drive in the Village of Airmont. The physical address is 444 Saddle River Road. The project comprises the following tax parcels 62.11-2-8, 62.11-2-9 and 62.11-2-10 totaling approximately 17.99 acres, as seen in Figure 1.1. The land is currently owned and being developed by Blue Rill Estates, LLC.



Figure 1.1: Site Location Map

1.2 PROJECT DESCRIPTION

Blue Rill Estates, L.L.C. is proposing to redevelop the site as a residential development restricted to those 55 years of age and older. The Project is designed to assist the Village of Airmont in expanding opportunities for housing arrangements to meet the increasing needs of the seniors in a maintenance-free community as they start to downsize from larger single-family homes in the community. The project scope includes the removal of all existing structures and features on site and the construction of 105 semi-attached two-story homes. Each unit will have a footprint of approximately 1,292 square feet and a total floor area of approximately 2,000 square feet. The development will also consist of two community centers as well as active and passive recreation areas to be used by the residents. The development will also consist of off-street parking, sidewalks, landscaping, site lighting, etc. The site will be served by two entrances on Saddle River Road.

1.3 SOILS

The county soil survey shows that the site contains the following mapped soils; Alden silt loam (Ad), Wethersfield gravelly silt loam, 3 to 8 percent slopes (WeB, Wethersfield gravelly silt loam, 8 to 15 percent slopes (WeC), and Wethersfield-Urban land complex, 2 to 8 Percent slopes (WuB). Soil map unit WeB is considered prime farmland and soil map unit WeC is considered farmland of statewide importance. Soil map units WeB, WeC, and WuB are classified as well drained soils and soil map unit Ad is classified as very poorly drained soils. Refer to Table 1.1 below.

Table 1.1 Characteristics of Project Site Soil Strata							
Map Unit Symbol	Map Unit Name	Acres/% of Parcel	Slope	Depth to Groundwater	Depth to Restrictive Layer	Hydrologic Group	Drainage Class
Ad	Alden silt loam	2.6 / 14.6%	0-3%	0"	More than 80"	C/D	Very Poorly Drained
W	Water	0.2 / 1.3%	0%	-	-	-	-
WeB	Wethersfield gravelly silt loam	8.0 / 44.7%	3-8%	18-30"	20-38"	C	Well Drained
WeC	Wethersfield gravelly silt loam	2.4 / 13.5%	8-15%	18-30"	20-38"	C	Well Drained
WuB	Wethersfield-Urban land	4.7 / 26.0%	2-8%	18-30"	20-28"	C	Well Drained

1.4 WETLANDS

The NYSDEC Environmental Resources Mapper (ERM) was used to determine if freshwater wetlands were within or adjacent to the project area. The ERM does not indicate the presence of any wetlands; however, it does depict one New York State Department of Environmental Conservation (NYSDEC) freshwater stream on site along the west border of the Subject Property, mapped concurrently with Saddle River. Within the Subject property, certain portions of this stream are listed as Class C (C) while other portions are listed as Class (B).

A site-specific wetland delineation conducted by HUNTEAS on behalf of MJ Engineering, Architecture, Landscape Architecture, and Land Surveying, P.C.(MJ) was completed on May 26th, 2023, with an Army Corps of Engineers (ACOE) jurisdictional determination forthcoming.

The wetland delineation effort resulted in the identification of one (1) wetland, one (1) stream, and one (1) pond. The resource boundaries are identified per the attached Appendix B. Ordinary High-Water marks (OHWM), recorded as GPS points, were determined based on the presence of hydrology and stream bank characteristics.

1.5 100- YEAR FLOOD PLAIN

A review of the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) Panel 36087C0154G, dated September 25, 2009, shows that portions of the western side of the project site are located in a 100-year floodplain. The flood zone mapping is included in Appendix C.

These areas are generally adjacent to the bed and banks of the Saddle River. The project is proposing no development within areas determined as "Zone AE", and therefore is not subject to any flood plain restrictions.

2.0 DESIGN STANDARDS

2.1 NYSDEC WATER DEMAND AND DESIGN STANDARDS

Anticipated water flows are as follows:

Table 2.1 Water Usage			
Units	Average Daily Flow (GPD)	Average Flow (GPM)	Peak Flow (GPM)
105 - 2-bedroom units ¹	23,100	16.04	64.16
2-Community Center units ²	700	0.48	1.92

¹(110 gpd per bedroom x 2 bedrooms max per unit x 105 units)

²(0.1 gpd per square feet x 2 (3500 square feet) units)

Table B-3 of NYSDEC Design Standards for Intermediate Sized Water Treatment Systems dated 3/5/2014 was used to determine anticipated flow rate, 110 gal per bedroom. Plumbing fixtures will be specified as low flow type fixtures per NY state requirements for water conservation.

2.2 EXISTING WATER SYSTEM

The Veolia Water District (VWD) supply is derived from 60 drilled wells and from Lake DeForest and the Letchworth reservoirs. About 70 percent of the water supply is from various wells located throughout the county, and the remaining 30 percent is surface water supply from the Lake DeForest and Letchworth reservoirs. The treatment process differs depending upon whether the water is from our wells, Lake DeForest Water Treatment Plant or Letchworth Water Treatment Plant.

The VWD system service approximately 300,000 people in Rockland and parts of Orange County. In 2023, Veolia produced 9.9 billion gallons of water. Approximately 21.2% percent of the water produced is non-revenue producing. This is water lost due to leaks, main breaks, under-registering meters, firefighting, hydrant flushing and theft of service. The proposed project would require 23,800 gallons per day from the VWD system, which is less than .024% of the current water being used. Therefore, this project would have a minimal impact on the water system.

A hydrant test request has been submitted to Veolia Water New York and are waiting to schedule the test. As the date of this report, a date has not yet been set. Once the hydrant flow test is complete, additional information regarding adequate pressure and flows in the system will be provided to the Town.

2.3 PROPOSED WATER SYSTEM

Water service to the new senior housing development will be a new 8-inch DIP water main from the existing 12-inch water main on Saddle River Road. From the connection, approximately 3,200 linear feet of 8-inch diameter DI water main would need to be constructed, including hydrants, valves, water services to each property line, and miscellaneous appurtenances. Hydrants will be placed at intervals to meet 10 State Standards Section 8.4 (2022) to be provided at each street intersection, generally, ranging from 350 to

600 feet. Water valves will be placed at no more than one block or 800-foot intervals per 10 State Standards Section 8.3 such that sections of mains may be isolated in case of a main break, allowing isolation of mains.

Each building unit will have a single service connecting to the proposed 8-inch watermain. All water services will be placed on individual water meters and with backflow prevention devices. Water services will be provided from the water main to a curb valve installed at the road right-of-way of each property.

The proposed water facilities have been designed to meet state and town standards, and in accordance with good engineering practice. It is proposed that all water mains and fire hydrants be operational prior to any water usage by the project. Once constructed, tested, certified by an inspecting engineer, and determined to meet all applicable conveyance requirements, the system will be turned over to the VWD.

Each building will be provided with a sprinkler system installed per the 2020 NYS Fire Code and NFPA 13R guidelines.

A Mechanical, Electrical and Plumbing (MEP) Engineer will be designing the sprinkler and fire services within the building. Said designs will be provided to the town in a separate report demonstrating that pressure loss within the system during the building permit process. These systems would be designed as part of the building system construction documents, following the rules and regulations of the authorities having jurisdiction.

All water distribution system components will be designed and installed in accordance with the Veolia Water District Standards, Rockland County Department of Health Rules and Regulations and Recommended Standards for Water Works.

2.3.1 FIRE PROTECTION NEEDS

To evaluate the water system with regards to fire protection, fire flow demands were developed using *AWWA Distribution System Requirements for Fire Protection M31 Manual of Water Supply Practices (M31)* and the Insurance Services Office (ISO) *Guide for Determination of Needed Fire Flow*.

All proposed residential buildings are planned to be equipped with automatic sprinkler systems. When buildings are fully sprinklered, *Chapter 6, Determining Recognition of Automatic Sprinkler Systems* of the ISO standards is applied.

- For 1 and 2 family dwellings, when provided with automatic sprinklers, a reduction in the needed fire flow may be applied. For these types of installations, the Needed Fire Flow (NFF) may be reduced to 500 GPM at 20 PSI.
- Where residential occupancies up to and including three stories in height are protected with automatic sprinklers a reduction in the needed fire flow may be applied. For these types of installations, the NFF shall be the greater of the base of the riser demand or 1,000 GPM at 20 PSI. While the building design has not been advanced, in instances of similar type construction, the riser demand is not expected to exceed 1,000 GPM.

Pursuant to the *M31*, the minimum fire flow available at a given point in the distribution system shall be not less than 500 GPM at a residual pressure of 20 PSI. A flow of 500 GPM represents the minimum amount of water required to provide two (2) standard hose streams from the 2½-inch ports on a hydrant during a fire.

The *Fire Suppression Rating Schedule (FSRS)*, as written by the ISO, allows for a credit of up to 1,500 GPM for hydrants within 1,000 feet of the NFF location. This credit relates to the

amount of water the 4½-inch port can provide to a pumper truck/engine. As such, each hydrant within the project should have the capability of delivering 500 to 1500 GPM and have a coverage radius of 350 to 600 feet to meet the minimum fire protection requirements. Automatic sprinkler systems and fire pumps (if required) will be designed as part of the building construction plans and reviewed as part of the building permit process. When simulating fire flow conditions throughout the model, the distribution system will be capable of providing no less than 500 GPM at 20 PSI at all sprinklered single family homes and at all hydrants. As such, the system meets the requirements of Insurance Services Office (ISO) Guide for Determination of Needed Fire Flow as discussed above. See model in Exhibit C.

2.3.2 SYSTEM MODELING/ANALYSIS

To aid in the analysis of the existing Town water distribution system and its' ability to service the project, a hydraulic model was developed to simulate domestic water and fire flow demands. The hydraulic model was developed using the software package WaterGEMS Connect Edition (V10.5), as manufactured by Bentley Systems, Inc.

The model was created using the proposed system layout based upon survey information, record water main sizes and hydrant flow test to accurately model the existing water system characteristics. Junction nodes were placed at the interconnections between pipes and the approximate ground surface elevations for the junctions and hydrants were entered into the model as shown in Figure 2.1. Specific data for each pipe was entered, including length, diameter, material, and roughness coefficient. See Appendix F for pipe report tables, junction report tables and fire flow report tables.

Add Figure 2.1

Prior to evaluating the water distribution system, the hydraulic model was calibrated based on the hydrant flow test data performed by Veoli on Hydrant 40-229 adjacent to the project site located near 2 Lancaster Lane on October 9, 2024. The purpose of the flow test was to record static and residual pressures, along with associated hydrant flow rates. The hydrant flow test results as provided by Veolia are included in Appendix F and are summarized in Table 2.2.

Table 2.2 HYDRANT FLOW TEST DATA			
Flow Hydrant	Static Pressure (PSI)	Residual Pressure (PSI)	Measured Flow Rate (GPM)
2 Lancaster Lane	156	80	895

The existing system pressures at Saddle River Road were modeled utilizing a reservoir based on static and residual pressures obtained during hydrant flow tests.

The hydraulic model developed indicates under both average day and peak hourly flow simulations, system pressures as well as pressures at the highest point in individual homes will be well in excess of 35 PSI as stated in 10 State Standards. The junction report concludes that the pressures in the system will range between 80 psi and 104 psi depending upon the location/elevation within the proposed system as represented in Table 2.4. Due to high pressures within the distribution system, it is anticipated that individual homes will require pressure reducing valves so the normal working pressure is between 60 to 80 psi.

Table 2.4 JUNCTION TABLE			
ID	Label	Elevation (ft)	Pressure (psi)
45	J-13	423	80
46	J-14	423	80
47	J-15	385.96	96
48	J-16	389.67	95
49	J-17	410.66	86
50	J-18	378.79	100
51	J-19	389.7	95
52	J-20	397.58	91
53	J-21	371.84	103
54	J-22	380	99
55	J-23	386.86	96
56	J-24	371.31	103
57	J-25	373.88	102
58	J-26	376.99	100
59	J-27	370.07	103
60	J-28	369.09	104
61	J-29	369.81	103

The hydraulic model under fire flow conditions indicates that the available fire flow at any node or hydrant within the distribution system will be well in excess of the minimum required of 500 GPM.

2.3.3 RESPONSIBILITY AND OWNERSHIP

Water laterals will be owned and maintained by the owner of the property to which the lateral serves, while the new 8-inch watermain within the road will be owned and maintained by Veolia Water District. All construction shall conform to Veolia Water District specifications.

All water infrastructure to be constructed will be owned and operated by the Veolia Water District. These systems will be contained in easements and conveyed to the Town of Rotterdam at no cost.

2.4 DISTRICT EXTENSIONS

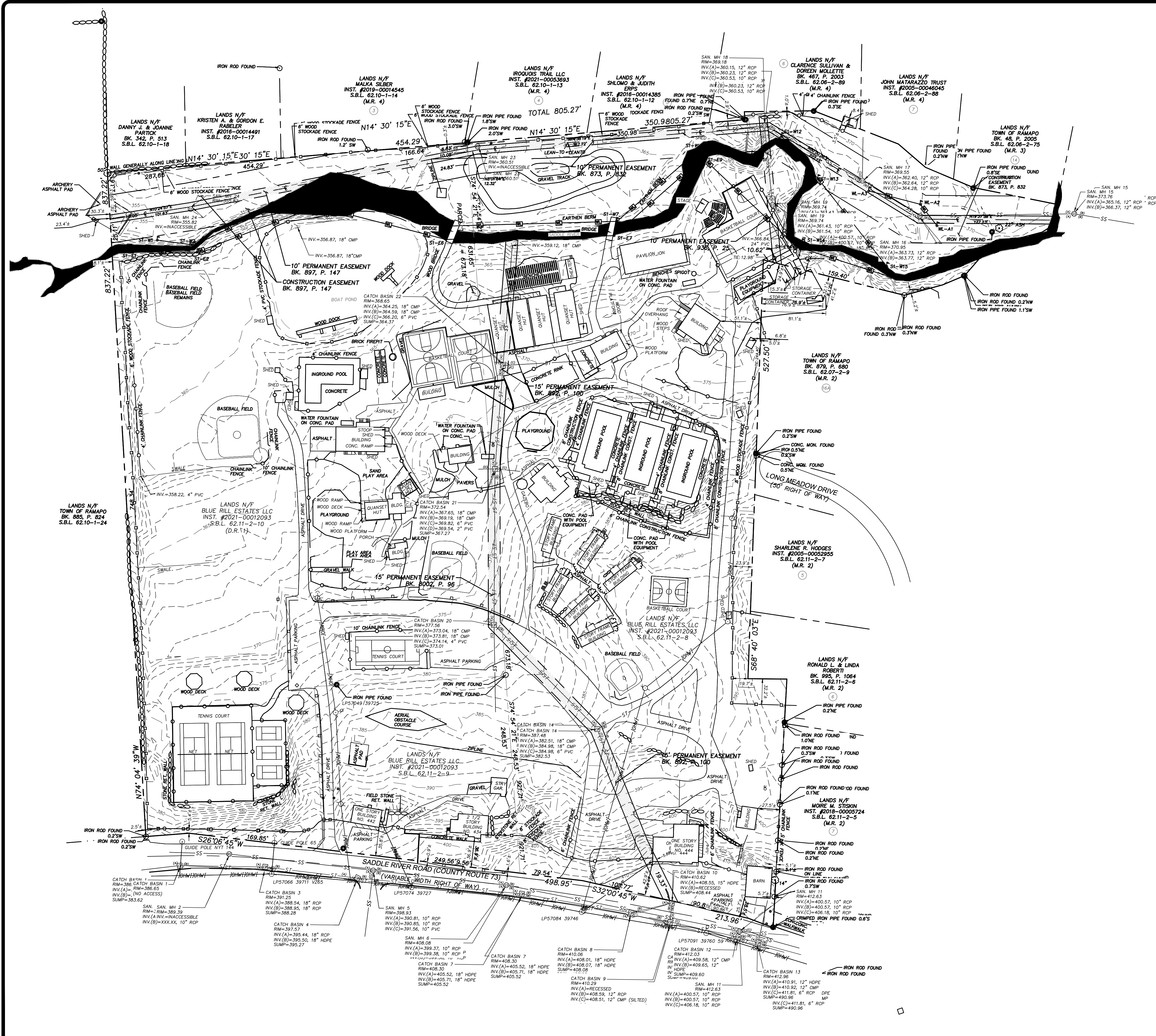
The project is located within the county limits, and as such, will not be required to extend the water district.

2.5 FINANCING

Financing the proposed water improvements to the project site shall be born entirely by the developer of the project.

Appendix A \

Existing Utilities



GENERAL NOTES:

- INFORMATION SHOWN HEREON IS FROM A FIELD SURVEY COMPLETED BY M.J. ENGINEERING AND LAND SURVEYING, P.C. DURING JUNE, 2023.
- THE HORIZONTAL DATUM IS REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83/2011, EPOCH 2010.00), NEW YORK STATE PLANE EAST ZONE 3101.
- THE VERTICAL DATUM IS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88), GEOID18.
- CONTOUR INTERVAL = 1 FOOT.
- NORTH IS ORIENTED TO GRID NORTH FROM GPS OBSERVATION.
- UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON SURFACE EVIDENCE AND INFORMATION RECORDED DURING CONVENTIONAL SURVEY METHODS. THIS MAPPING DOES NOT PURPORT TO SHOW ALL UNDERGROUND UTILITIES ON SITE AND IS SUBJECT TO FIELD VERIFICATION.
- SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE. SURVEY IS SUBJECT TO ANY INFORMATION THAT AN UP TO DATE TITLE REPORT MAY DISCLOSE.
- SUBJECT TO ANY RIGHTS, EASEMENTS, COVENANTS, OR RESTRICTIONS OF RECORD.
- UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW. COPIES OF THIS SURVEY MAP NOT BEARING THE LAND SURVEYORS SEAL AND SIGNED WITH INK SHALL NOT BE CONSIDERED TO BE VALID COPIES.
- ONLY BOUNDARY SURVEY MAPS WITH THE LAND SURVEYOR'S SIGNATURE AND SEAL ARE GENUINE TRUE AND CORRECT COPIES OF THE LAND SURVEYOR'S ORIGINAL WORK AND OPINION.
- WETLAND FLAGS SHOWN HEREON WERE SET BY HUNT ENGINEERS, ARCHITECTS, SURVEYORS ON MAY 26, 2023 AND WERE LOCATED BY MJ ENGINEERING AND LAND SURVEYING, P.C. ON JUNE 28, 2023.
- A PORTION OF THE SURVEYED PROPERTY IS AFFECTED BY A SPECIAL FLOOD HAZARD AREA ASSOCIATED WITH SADDLE RIVER AS SHOWN ON FEMA FLOOD INSURANCE RATE MAP NO. 36087C0154G WITH AN EFFECTIVE DATE OF MARCH 03, 2014.

TRUE NORTH AT THE 74°30' MERIDIAN OF WEST LONGITUDE

LEGEND

SPIKE	✖
STAKE	✖
NAIL	✖
RAILROAD SPIKE	✖
MONUMENT	○
CAPPED IRON ROD	○
IRON PIPE	○
SANITARY MANHOLE	⊙
CATCH BASIN	⊙
CATCH BASIN - ROUND	⊙
WATER MANHOLE	⊙
ELECTRIC MANHOLE	⊙
UNKNOWN MANHOLE	⊙
WATER WELL	⊙
FIRE HYDRANT	⊙
GATE VALVE	⊙
ELECTRIC METER	⊙
UTILITY POLE	⊙
DECIDUOUS TREE	⊙
DECIDUOUS SHRUB	⊙
CONIFEROUS TREE	⊙
CONIFEROUS SHRUB	⊙
SINGLE POST SIGN	⊙
GUY WIRE	⊙
WETLAND FLAG	⊙
DRAINAGE INVERT	⊙
BENCH	⊙
FLAG POLE	⊙
GAS METER	⊙
DEAD UTILITY POLE	⊙
UTILITY POLE WITH LIGHT	⊙
OUTLET	⊙
LIGHT POST	⊙
BUILDING LINE	⊙
SPOT ELEVATION	⊙
MINOR CONTOUR	⊙
MAJOR CONTO	

**Appendix B **

Wetlands



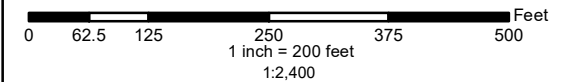
Legend

- ▬ Project Boundary
- ▬ Stream
- ▬ Wetlands
- ▬ Pond

FIGURE 3
Wetland Delineation Map

**Blue Rill Day Camp - 440 Saddle Brook Road
Airmont, New York
Rockland County**

HUNT ENGINEERS | ARCHITECTS | SURVEYORS



County Coverage: Rockland

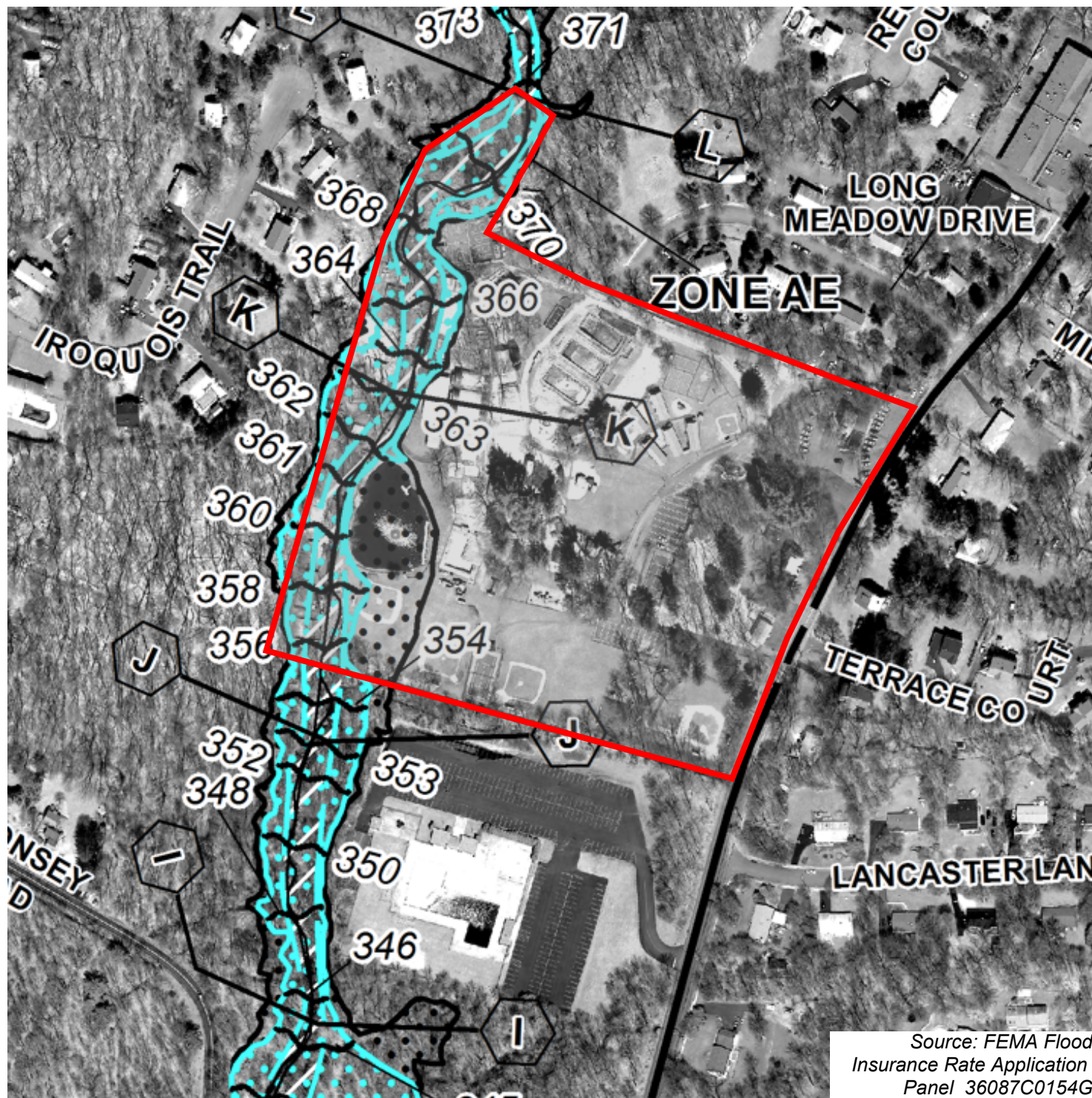
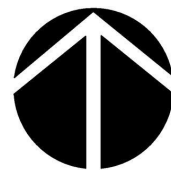
Date Prepared: November 2023

Client Name: MJ Engineering

Path: E:\2023\2371.015 - MJE Blue Rill Day Camp\Graphics\Figure 3 - WLD Map.mxd

Appendix C \

FIRM Map



21 Corporate Drive
Clifton Park, New York 12065
(518) 371-0799

BLUE RILL ESTATES

444 SADDLE RIVER ROAD
TAX ID 62.11-2-8, 62.11-2-9 & 62.11-2-10
VILLAGE OF AIRMONT, ROCKLAND COUNTY, NY

FLOOD PLAIN MAP

Not to Scale

Appendix D \

Hydrant Testing



Hydrant Flow Test Results

TO: Dennis Lynch
Engineering and Land Surveying
845 Route 52
Fishkill, NY 12524

RE: Hydrant 40-229
2 Lancaster Ln
Chestnut Ridge, NY

Following are the results of the flow test:

Date Tested	10/9/2024
Flow Hydrant:	40-230
Control Hydrant	40-229
Gauge Pressure (PSI)	35
Static Pressure (PSI)	156
Residual Pressure (PSI)	80
Hydrant Discharge Observed (GPM) **	895
Work Order #	2546678

If there are any questions, please email us.vna.nyflowtest.all.mailbox@veolia.com

**** Flow test results represent pressure and flow conditions in the water main at the specified location at the time of the flow test. Please note that these conditions do not necessarily represent the lowest pressure and flow conditions that may occur in the main due to normal changes in daily and seasonal water demand. Please note that Veolia Water New York makes no guarantees about the accuracy of the flow test information and shall not be held liable for operational problems with fire sprinkler systems designed using this information.**

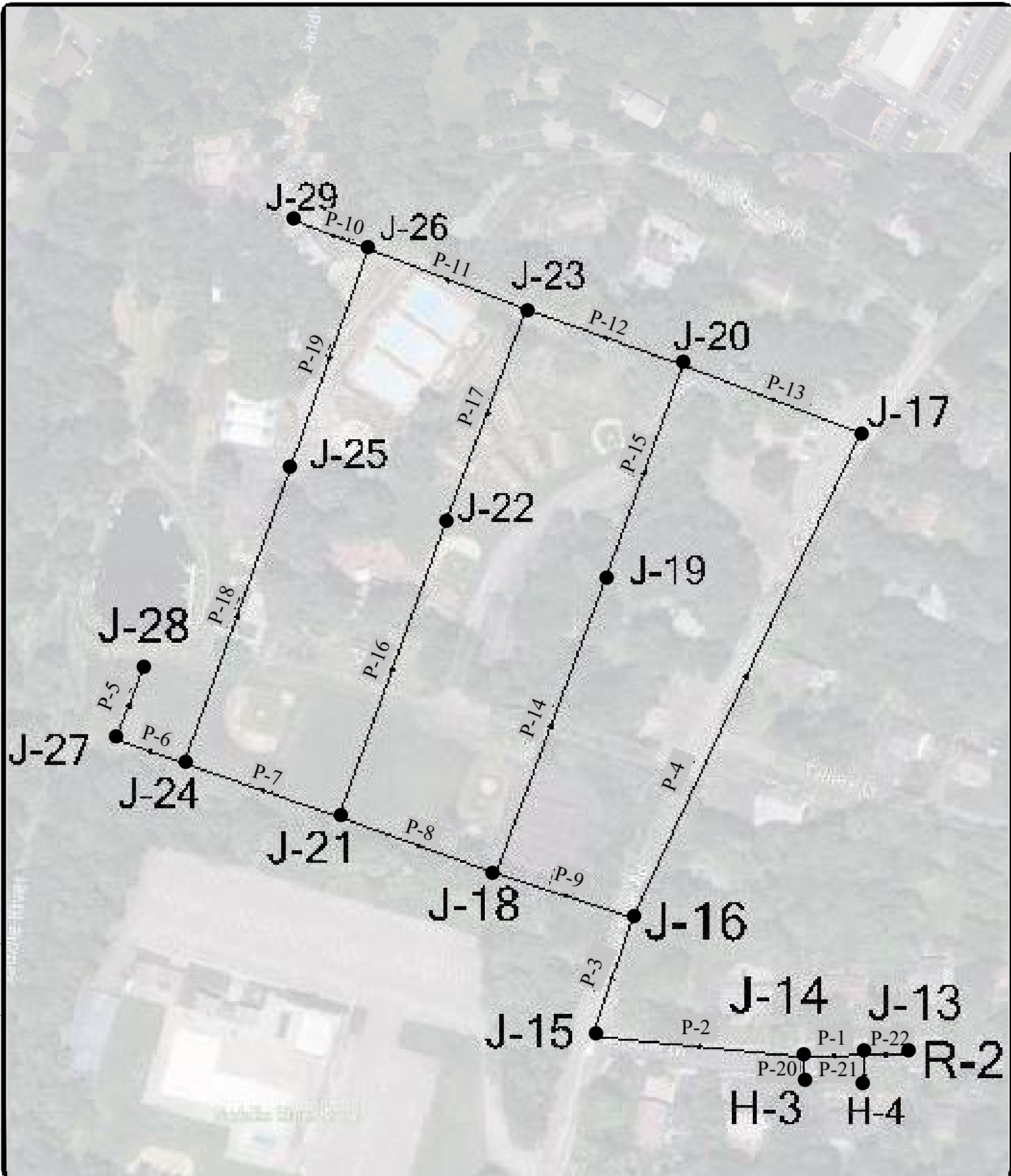
**Appendix E **

Proposed Utilities

**Appendix F **

Water System Model

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Date: Wed, Jun 12, 2024 - 10:42 AM (Name: Palbarrese)



BLUE RILL SENIOR ESTATES
WATER GEMS SYSTEM LAYOUT DIAGRAM



Engineering
Architecture
Landscape Architecture
and Land Surveying, P.C.

SCALE:
CONTRACT No.:
MJ PROJ. No.: MJ1587.01
DATE: DECEMBER 2024

F-1

Blue Rill Senior Estates							
Pipe Table							
ID	Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C
62	P-1	77	J-13	J-14	8	Ductile Iron	130
63	P-2	275	J-14	J-15	8	Ductile Iron	130
64	P-3	162	J-15	J-16	8	Ductile Iron	130
65	P-4	692	J-16	J-17	8	Ductile Iron	130
66	P-5	97	J-28	J-27	8	Ductile Iron	130
67	P-6	94	J-27	J-24	8	Ductile Iron	130
68	P-7	212	J-24	J-21	8	Ductile Iron	130
69	P-8	216	J-21	J-18	8	Ductile Iron	130
70	P-9	186	J-18	J-16	8	Ductile Iron	130
71	P-10	101	J-29	J-26	8	Ductile Iron	130
72	P-11	218	J-26	J-23	8	Ductile Iron	130
73	P-12	215	J-23	J-20	8	Ductile Iron	130
74	P-13	246	J-20	J-17	8	Ductile Iron	130
75	P-14	408	J-18	J-19	8	Ductile Iron	130
76	P-15	293	J-19	J-20	8	Ductile Iron	130
77	P-16	409	J-21	J-22	8	Ductile Iron	130
78	P-17	291	J-22	J-23	8	Ductile Iron	130
79	P-18	405	J-24	J-25	8	Ductile Iron	130
80	P-19	302	J-25	J-26	6	Ductile Iron	130
84	P-20	23	H-3	J-14	8	Ductile Iron	130
85	P-21	27	H-4	J-13	8	Ductile Iron	130
86	P-22	53	R-2	J-13	8	Ductile Iron	130

Blue Rill Senior Estates					
Average Daily Demand Model Simulation					
ID	Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
45	J-13	423	0	609	80
46	J-14	423	0	609	80
47	J-15	385.96	0	609	96
48	J-16	389.67	0	608.99	95
49	J-17	410.66	0	608.99	86
50	J-18	378.79	1	608.99	100
51	J-19	389.7	1	608.99	95
52	J-20	397.58	1	608.99	91
53	J-21	371.84	1	608.99	103
54	J-22	380	1	608.99	99
55	J-23	386.86	1	608.99	96
56	J-24	371.31	1	608.99	103
57	J-25	373.88	1	608.99	102
58	J-26	376.99	1	608.99	100
59	J-27	370.07	1	608.99	103
60	J-28	369.09	1	608.99	104
61	J-29	369.81	1	608.99	103

Blue Rills Senior Estates					
Peak Demand Model Simulation					
ID	Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
45	J-13	423	0	608.99	80
46	J-14	423	0	608.98	80
47	J-15	385.96	0	608.95	96
48	J-16	389.67	0	608.93	95
49	J-17	410.66	0	608.92	86
50	J-18	378.79	6	608.92	100
51	J-19	389.7	6	608.92	95
52	J-20	397.58	6	608.92	91
53	J-21	371.84	6	608.92	103
54	J-22	380	6	608.92	99
55	J-23	386.86	6	608.92	96
56	J-24	371.31	6	608.91	103
57	J-25	373.88	6	608.91	102
58	J-26	376.99	6	608.91	100
59	J-27	370.07	6	608.91	103
60	J-28	369.09	6	608.91	104
61	J-29	369.81	6	608.91	103

Blue Rills Senior Estates														
Fire Flow Model Simulation														
Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-18	TRUE	Passed	750	3500	751	3501	20	45	20	35	J-17	35	J-17	TRUE
J-19	TRUE	Passed	750	3500	751	3501	20	33	20	33	J-17	33	J-17	TRUE
J-20	TRUE	Passed	750	3500	751	3501	20	33	20	30	J-17	30	J-17	TRUE
J-21	TRUE	Passed	750	3500	751	3501	20	42	20	34	J-17	34	J-17	TRUE
J-22	TRUE	Passed	750	3500	751	3501	20	32	20	33	J-17	33	J-17	TRUE
J-23	TRUE	Passed	750	3500	751	3501	20	34	20	32	J-17	32	J-17	TRUE
J-24	TRUE	Passed	750	3500	751	3501	20	33	20	33	J-27	33	J-27	TRUE
J-25	TRUE	Passed	750	3500	751	3501	20	23	20	33	J-17	33	J-17	TRUE
J-26	TRUE	Passed	750	3500	751	3501	20	30	20	33	J-17	33	J-17	TRUE
J-27	TRUE	Passed	750	3500	751	3501	20	26	20	26	J-28	26	J-28	TRUE
J-28	TRUE	Passed	750	3466	751	3467	20	20	20	27	J-27	27	J-27	TRUE
J-29	TRUE	Passed	750	3500	751	3501	20	25	20	30	J-26	30	J-26	TRUE