

**VILLAGE OF TARRYTOWN
BOARD OF TRUSTEES
WORK SESSION 6:00 P.M.
MONDAY, DECEMBER 29, 2014
Tarrytown Village Hall
One Depot Plaza, Tarrytown, New York**

Board of Trustees Concerns

Open Session

1. Computel Utility Audit Services
2. Ceiling Microphone – Board Room
3. Planting of Trees on Village Property
4. Sidewalks
5. Agreement – Westchester County Taxi and Limousine Commission
6. Church Street Property – Declaration of Surplus
7. Appropriation of Trust and Agency Fund
8. Loh Park Drainage District Project – Preliminary Budget
9. 9-11 Memorial
10. Metro North Hudson Line Substation Upgrade
11. Fire Department Membership Changes

Executive Session

- 1A. Parking H-Bridge
- 2A. Personnel – DPW
- 3A. Elizabeth Mascia Child Care Center

Kathy Deufemia

From: Mike Blau
Sent: Monday, December 08, 2014 11:50 AM
To: Kathy Deufemia
Subject: FW: Computel - Utility Audit Services
Attachments: V Tarrytown - Computel Utility Audit Paperwork.pdf

Work Session

-----Original Message-----

From: Mike Caton - Computel Consultants [<mailto:mcaton@computel-consultants.com>]
Sent: Wednesday, December 03, 2014 3:27 PM
To: Mike Blau
Subject: Computel - Utility Audit Services

Mr. Blau,

I'm contacting you to let you know that Computel, for 25 years a leader in providing utility audit services to municipalities in New York State, is offering our services this month at the special reduced contingency fee rate of 35% of money we recover for you.

Although we find errors on many types of utility accounts the two most prevalent are - overcharges for street lighting and underpayment for cable franchise fees. If you're like many Westchester municipalities and are considering a switch to LED street lighting, the first step should be an audit of your present street light accounts. The odds are very high that you are due a refund for prior overcharges that could help finance your new lighting.

Attached is a cover letter, proposal, and all the paperwork we would need to get started. We've worked with a number of Westchester municipalities including the City of New Rochelle, Town of Eastchester, and Villages of Briarcliff Manor, Mamaroneck, Pelham. Pleasantville, Rye Brook, Scarsdale, and Tuckahoe. We hope to have the opportunity to work with you as well.

Please contact me with any questions.

Thanks,
Mike Caton

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Michael T. Caton
Partner
Computel Consultants
P.O. Box 35
5 East Main Street
Earlville, NY 13332
phone: (800) 724-9859
fax: (315) 691-4311
www.computel-consultants.com

COMPUTEL CONSULTANTS

P.O. Box 35 ♦ Earlville, New York 13332 ♦ (800) 724-9859 ♦ Fax (315) 691-4311

December 3, 2014

Via Email

Mr. Michael S. Blau
Village of Tarrytown
One Depot Plaza
Tarrytown, New York 10591

Dear Mr. Blau,

I'm contacting you regarding a problem all municipalities face - lost revenue due to utility errors. For 25 years Computel has been a leader in the recovery of those revenues here in New York State. I've enclosed for your review a proposal and the forms we would need to begin our audit. As an additional incentive, if you sign up for our service before the end of the year, we'll lower our contingency fees to a discounted rate of 35% of any recoveries. All future savings or increased revenues are yours to keep and if we don't secure a refund for you - there is no charge for the service. Pending your approval, we're prepared to review electric (including street lighting), gas, and telephone accounts, as well as your Cable TV franchise fees and municipal GRT payments.

In order to begin the process we would need the following items returned to us:

- the signed Consulting Agreement - make a copy for your records.
- the completed Letters of Authority. **Please copy each letter of authority onto your letterhead before filling in the requested information.** Where it asks for account/billing numbers we just need the main account number from the top of each bill you receive. Attach separate sheets if it's easier. If you receive service from any other utility providers, we'd need a separate letter of authority in a similar format to those provided.
- return the original Consulting Agreement and the completed Letters of Authority (on your letterhead) to us at the address listed above.
- for the GRT audit, we'll need a record of gross receipts tax payments you have received within the past three years. A printout of your general ledger for revenue code A1130 with date, payer, and amount paid will suffice (email an Excel or pdf file if it's easier).

We've designed our service to take up as little of your time as possible. After reviewing the enclosed information, please contact me with any questions you have. Otherwise, as soon as we receive the above information we will begin our review. Thanks again for your time and interest.

Sincerely,



Michael T. Caton
Partner

encl:

COMPUTEL CONSULTANTS

P.O. Box 35 ♦ Earlville, New York 13332 ♦ (800) 724-9859 ♦ Fax (315) 691-4311

Utility Audit Services

PROPOSAL:

To provide Utility Audit Services for your municipality. The **Utility Audit** would identify, correct, and secure refunds for overcharges on utility accounts during the prior six-year time period. The **Cable Television Franchise Fee Audit** would identify underpayments of franchise fees during the prior six-year period. The **Municipal GRT Audit** would identify municipal gross receipts tax underpayments owed by telephone and utility companies doing business within your borders. These GRT underpayments could be from companies that are filing returns, as well as those that may not currently be paying any of their tax liability. With certain exceptions, New York State Tax Law imposes a three year statute of limitations.

Computel Consultants utilizes the following process:

- We review contracts, franchise agreements, customer service records, bills, and other relevant documentation. In order to minimize impact on the client, we obtain as much information as possible directly from the utility companies.
- Using our expertise in utility company tariffs and accounting practices, state and federal cable regulations, and state and local gross receipts tax laws we identify errors. We then file written claims with the responsible companies detailing each dispute. The client receives copies of correspondence and is kept informed of all developments regarding the claim(s).
- We negotiate with the utility company in order to secure the maximum amount possible.
- We follow-up to make sure that the necessary corrections are made to your accounts.

Fee

For a limited time, our services are offered at the reduced fee of 35% of any funds we secure for you. All money goes directly to the Municipality and our fee is not due until after it is received. There are no upfront costs and if we do not secure any funds for you, there is no charge at all for our service. Typically, when we correct billing errors we not only secure a refund for you, but also reduce your future bills as well. Likewise, when we identify a cable television franchise fee or municipal GRT underpayment, you would typically receive higher payments going forward. All future savings and/or increased revenue are yours to keep in their entirety.

In order to begin we would need you to execute a consulting agreement and provide us with letters of authority that allow us to request information directly from utility vendors. A typical review should be completed in a period of four to six months. Our goal is to provide a high-quality, comprehensive service in a timely fashion while keeping the impact on your staff to a minimum.

For more information and a comprehensive client list, visit www.computel-consultants.com.

Contact

Michael T. Caton

Partner

mcaton@computel-consultants.com

COMPUTEL CONSULTANTS

P.O. Box 35 ♦ Earlville, New York 13332 ♦ (800) 724-9859 ♦ Fax (315) 691-4311

CONSULTING AGREEMENT

Client: **Village of Tarrytown**
Address: One Depot Plaza
Tarrytown, New York 10591

Telephone: [914] 631-1785

Contact: Mr. Michael S. Blau

This agreement is made on _____, 2014, between the aforementioned Village of Tarrytown, hereinafter referred to as CLIENT, and COMPUTEL CONSULTANTS, hereinafter referred to as COMPUTEL.

In consideration of the mutual covenants contained in this Agreement, CLIENT and COMPUTEL agree as follows:

I. SERVICES TO BE PERFORMED

CLIENT agrees to engage COMPUTEL to examine CLIENT's accounts listed below, to identify prior and present overcharges, or, in the case of Cable TV and GRT, to identify underpayment of cable franchise fees and Gross Receipts Tax liabilities, to prepare necessary documentation and negotiate with the appropriate utility, telephone, and/or communications company to have any identified errors corrected, and to obtain refunds, credits, and/or past amounts due.

1) Telephone 2) Electric (includes Street Lighting) 3) Natural Gas 4) Cable TV 5) Municipal GRT

II. COMPENSATION

As compensation for the performance of COMPUTEL's services under this Agreement, CLIENT agrees to pay COMPUTEL a one time fee of thirty-five percent (35%) of any and all recovered funds as aforesaid, due and payable upon receipt of same.

IN WITNESS WHEREOF, the parties have executed this Agreement at _____, New York, on the day and year first above written.

COMPUTEL CONSULTANTS

By: _____

Michael T. Caton, Partner

CLIENT: **Village of Tarrytown**

By: _____

Title: _____

To: Verizon

Dear Representative:

This is to advise you that Computel Consultants, (315) 691-4310, is hereby engaged and authorized to act as agent and consultant for the undersigned in matters related to the billing for our telephone service.

Please send our service and equipment records (billing numbers listed below) to Computel Consultants, P.O. Box 35, Earlville, New York 13332.

ATTENTION: David B. Rose

Billing Number(s): _____

You are authorized and requested to respond to Computel in all matters pertaining to our bill account(s) with your company. We request that you provide Computel with billing records, equipment records, service records, or any additional information deemed necessary by Computel to adequately audit our present bill. Computel is authorized to file and negotiate overbilling claims on our behalf.

Sincerely yours,

_____ Authorized Signature

_____ Date

Telephone Company Authorization Form

To: Consolidated Edison Company of New York, Inc.

Dear Representative:

This is to advise you that Computel Consultants (P.O. Box 35, Earlville, NY 13332 (315) 691-4310) is hereby engaged and authorized to act as agent and consultant for the undersigned in billing matters related to our account(s).

Account Number(s): _____

You are authorized and requested to respond to Computel in all matters pertaining to the billing of our account(s) with your company. We request that you provide Computel with billing records, street light inventories, account reconciliations, equipment records, service records, or any additional information deemed necessary by Computel to adequately audit our account(s). Computel is authorized to file and negotiate overbilling claims on our behalf and to represent us in related cases before the Public Service Commission.

Sincerely yours,

_____ Authorized Signature

_____ Date

Utility Company Authorization Form

To: New York Power Authority

Dear Representative:

This is to advise you that Computel Consultants (P.O. Box 35, Earlville, NY 13332 (315) 691-4310) is hereby engaged and authorized to act as agent and consultant for the undersigned in billing matters related to our account(s).

Account Number(s): _____

You are authorized and requested to respond to Computel in all matters pertaining to the billing of our account(s) with your company. We request that you provide Computel with billing records, street light inventories, account reconciliations, equipment records, service records, or any additional information deemed necessary by Computel to adequately audit our account(s). Computel is authorized to file and negotiate overbilling claims on our behalf and to represent us in related cases before the Public Service Commission.

Sincerely yours,

_____ Authorized Signature

_____ Date

Utility Company Authorization Form

To: Cablevision

Dear Representative:

This is to advise you that Computel Consultants (P.O. Box 35, Earlville, NY 13332; (315) 691-4310) is hereby engaged and authorized to act as agent and consultant for the undersigned in matters related to the review of our Cable Television Franchise Agreement.

You are authorized and requested to respond to Computel in all matters pertaining to our franchise agreement with your company. We request that you provide Computel with financial records, equipment records, service records, or any additional information deemed necessary by Computel to verify compliance with the terms of our franchise agreement. Computel is authorized to file and negotiate underpayment of franchise fee claims on our behalf.

Sincerely yours,

_____ Authorized Signature

_____ Date

Cable Company Authorization Form

To: Verizon Cable

Dear Representative:

This is to advise you that Computel Consultants (P.O. Box 35, Earlville, NY 13332; (315) 691-4310) is hereby engaged and authorized to act as agent and consultant for the undersigned in matters related to the review of our Cable Television Franchise Agreement.

You are authorized and requested to respond to Computel in all matters pertaining to our franchise agreement with your company. We request that you provide Computel with financial records, equipment records, service records, or any additional information deemed necessary by Computel to verify compliance with the terms of our franchise agreement. Computel is authorized to file and negotiate underpayment of franchise fee claims on our behalf.

Sincerely yours,

_____ Authorized Signature

_____ Date

Cable Company Authorization Form

Dear Representative:

This is to advise you that Computel Consultants (P.O. Box 35, Earlville, NY 13332; (315) 691-4310) is hereby engaged and authorized to act as agent and consultant for the undersigned in matters related to the review of your compliance with our Municipal Code requirements for the payment of Utility Gross Receipts Tax.

You are authorized and requested to respond to Computel in all matters pertaining to your company's Gross Receipts Tax liabilities within our municipality. We request that you provide Computel with financial records, supporting calculations, and any additional information deemed necessary by Computel to verify compliance with our municipal code. Computel is authorized to file and negotiate underpayment of Gross Receipts Tax claims on our behalf.

Sincerely yours,

_____ Authorized Signature

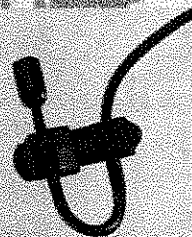
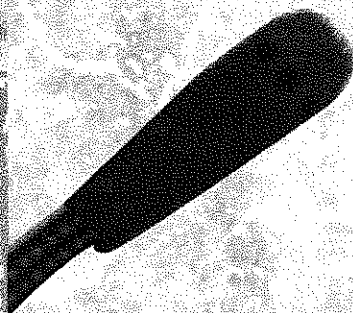
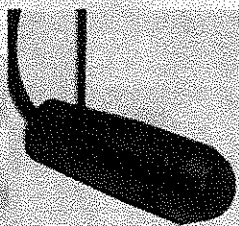
_____ Title

_____ Date

Municipal Gross Receipts Tax Authorization Form

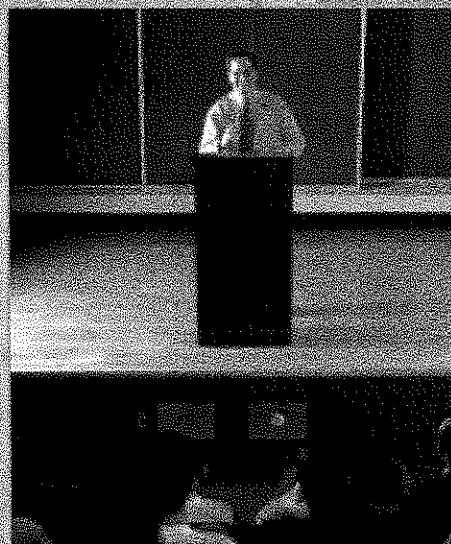


RE90 ARCHITECTURAL MICROPHONE SERIES



MINIATURE
ELECTRET
CONDENSER
MICROPHONES

ONE VOICE. NATURALLY.



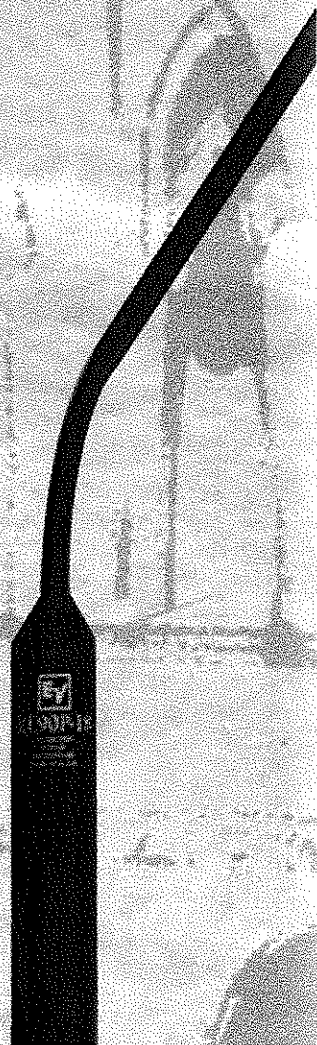
Wherever they're used — house of worship, board room, school auditorium — EV RE90 Architectural Microphones blend seamlessly into the architecture. Models of simplicity, they are easy to install, use and service (should that ever be necessary).

Using a microphone should be easy and enjoyable for everyone. The presenter wants to sound his or her natural best, without fear of feedback, cut-out, noise or distortion — or of sounding like a different person when switching microphones. Sound reasons for selecting Electro-Voice RE90 Series architectural microphones.

These miniature electret condenser microphones are available in podium, hanging, lapel and boundary models. Fixed. Portable. Omnidirectional. Unidirectional. An EV family of microphones suitable for many applications and venues. Each with the same great sensitivity to sound pick-up and a remarkable clarity and consistency. Even when shifting from one RE90 to another — they have the same frequency response characteristics. No need to remix. It's all in the family.

But there is still more to recommend the RE90 Series. Streamlined, they blend seamlessly into the architecture. They are also models of simplicity. For easy installation, use, and service (should service ever be required), the power module is integrated within each microphone — no need to install a separate unit. Yet, the lapel mic is smaller, the hanging mics more shapely, the podium mics more slender, and the boundary mics lower in profile, than others on the market.

Perhaps you think the quality and design innovations of the Electro-Voice RE90 Series places them beyond your budget. Not at all. Neither now nor later. Not only are they competitively priced, they are unconditionally guaranteed for two full years and backed by a limited lifetime warranty on the element. They are, after all, made by Electro-Voice.



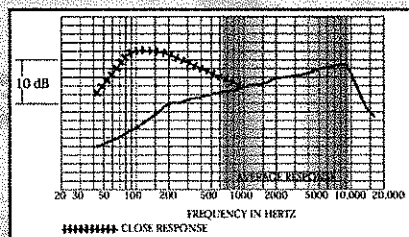
Microphone elements not shown actual size.

RE90P-12/RE90P-18 UNIDIRECTIONAL PODIUM MICROPHONE

Acoustically designed for high-quality sound reinforcement and public address applications, this slim-profile podium microphone picks up and reproduces sound naturally for either distant or close-up delivery. The gooseneck, 12-inch (RE90P-12) or 18-inch (RE90P-18), can be precisely positioned without excessive twisting and turning. Small in diameter, it has two supple joints and a rigid center tube.

The electronics module is housed in the gooseneck base, which makes installation and service quick and easy. The RE90P mounts to a lectern, pulpit, or podium equipped with the proper receptacle. Or install with the optional flange-mount and shock-mount kits. Unobtrusive, however it is used.

- Small, streamlined appearance.
- Quick-connect to female XLR-type, 3-pin receptacle.
- Permanent installation with optional FMK flange-mount kit and CPSM shock-mount kit.
- Choice of 12-inch or 18-inch gooseneck.
- Microphone can be exactly positioned without unsightly twisting and turning.
- Uniform cardioid polar pattern.
- Steel construction reduces noise from magnetic field and RFI.

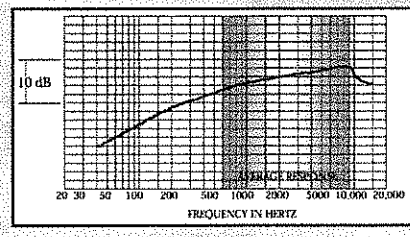


RE90H/RE90HW UNIDIRECTIONAL HANGING MICROPHONE

Ideal for choir, instrumental and vocal groups, and live theatre, this hanging microphone is so sensitive it catches the smallest sigh, the softest note. So faithful to the performance, so natural in delivery, everyone in the audience can hear every word, experience every nuance. It's ideally suited for distant sound pick-up, with a precisely controlled polar response designed to suppress feedback without coloring the sound.

The RE90H/RE90HW features an exclusive braided, shielded cable which prevents the microphone from rotating, keeping it firmly in place, even with wide swings in temperature or humidity. There's no need for awkward "fish-line" tethering.

- Non-reflecting black (RE90H) or low-gloss white (RE90HW) with matching cable.
- Shielded pre-amp is highly-resistant to electrical noise and radio frequency interference.
- High gain electronics for added reach.
- 25-ft. braided, shielded cable maintains microphone's position (no rotation).
- Cardioid polar pattern.
- Three-pin male XLR-type output connector.



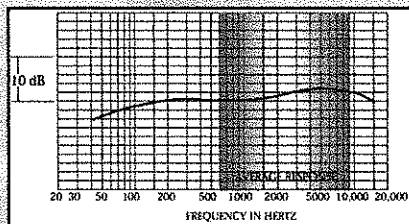


RE90L ULTRAMINIATURE, OMNIDIRECTIONAL LAPEL MICROPHONE

Hearing is believing (you have to look closely to see it). Ultraminiature and ultralightweight, anyone wearing the RE90L can easily forget he or she is wired. Designed for sound reinforcement in applications such as houses of worship, schools and business presentations, this smallest, lightest of all microphones on the market, has the highest quality sound characteristics. It is well-balanced throughout its full range. Omnidirectional output is uniform and natural, no matter where the microphone is placed.

The compact electronics housing is made of a high-strength polycarbonate that is very lightweight but very durable. A side clip attaches the unit to belt, waistband or pocket.

- Ultraminiature and lightweight (the smallest available).
- Omnidirectional.
- Tiny but sturdy 6-foot shielded cable.
- Alligator and tie-tac clips included.
- Lightweight, clip-on electronics pack.



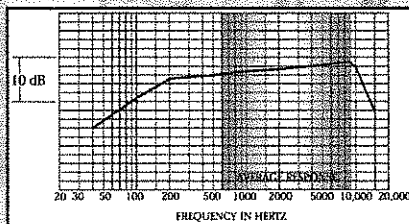
RE90B/RE90BW BOUNDARY MICROPHONE

With the lowest profile of any boundary microphone, the RE90B/RE90BW is one of the smallest available. Unidirectional, it picks up every word and delivers it fully and naturally, without the distraction of ambient noise.

The RE90B is specifically designed for surface-mounted applications such as distance learning centers, video- or teleconferencing systems, classrooms, and houses of worship. It can be placed on a surface for temporary use, routing its miniature cable from the rear where it's barely visible. Or installed permanently, with the hidden cable routed through a hole in the surface.

The microphone is equipped with internal padding, printed circuit board, fiber washers for the mounting screws, and a rubber, non-slip pad covering the entire base. These elements combine to give you the advantage of extremely low surface-to-microphone vibration. And built-in equalization provides a fuller, more natural sound than other typical boundary microphones.

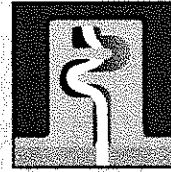
- Nonreflecting black (RE90B) or low gloss white (RE90BW)
- Heavy-duty zinc die-cast body and strong, perforated steel screen.
- Low profile.
- Half-cardioid polar response promotes excellent gain-before-feedback.
- Built-in electronic equalization compensates for baffle effect.
- High gain electronics for greater reach.
- Fixed or portable.
- Miniature 6-foot cable, two-way cable routing, and tamper-resistant terminal block connection.
- Full-base, non-slip shock pad.
- Electrically isolated case.



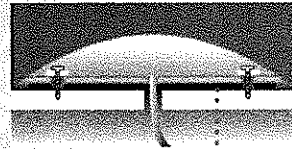
Sound Reasons for the Superiority of the Electro-Voice
RE90 Architectural Microphone Series

- Most natural sound in the field.
- Consistent sound quality and performance.
- Durable, with a dependable, long life.
- Simple to install. Easy to operate.
- Affordable. Competitively priced.
- Unconditional, two-year guarantee.
- Limited lifetime warranty on the element.

WITH THE LOWEST PROFILE OF ANY BOUNDARY MICROPHONE, THE RE90B/RE90BW IS ONE OF THE SMALLEST AVAILABLE.

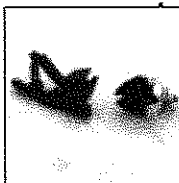
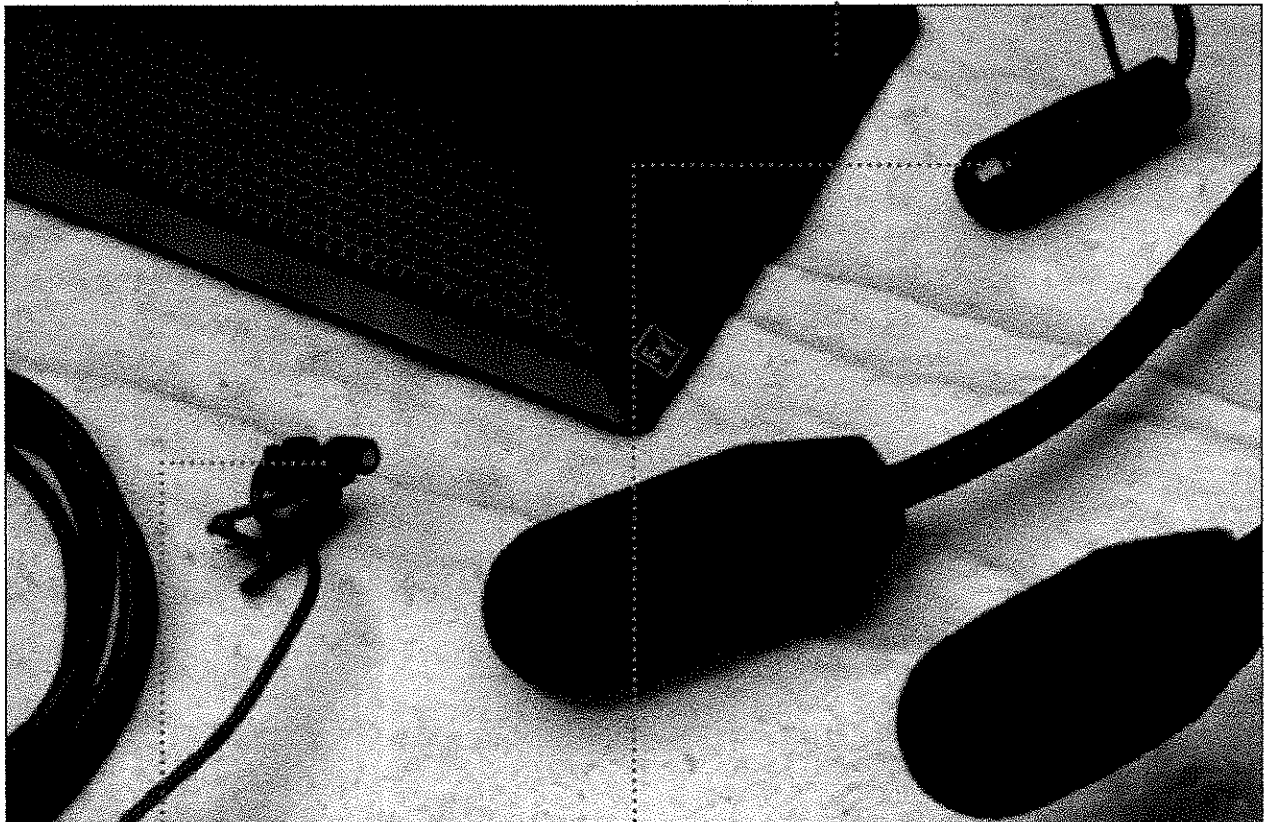


The microphone features a unique "S-Curve" cording mechanism. This allows the miniature cord to be easily and quickly routed to the back of the microphone for portable use.

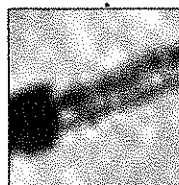


Full-base pad

Internal padding, a rubber, non-slip pad covering the entire base, and fiber washers for mounting screws, minimize surface vibrations. For permanent installation the cable can be totally hidden by routing it through the surface.

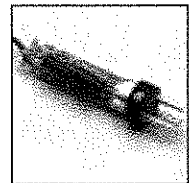


Ultraminiature, ultralightweight, the RE90L provides uniform, natural sound. The included alligator and tie-tac clips make it easy to place the microphone anywhere on clothing. Lightweight electronics pack has side clip.



An exclusive braided, shielded cable prevents the RE90H/RE90HW hanging microphone from rotating, even with wide swings in temperature or humidity. No need for awkward "fish-line" tethering.

The slim-profile RE90P-12 and RE90P-18, with power module in the base, mount quickly to lectern, pulpit or podium. The gooseneck, 12-inch or 18-inch, can be precisely positioned without excessive twisting and turning.



MODEL:	RE90B and RE90BW	RE90H and RE90HW	RE90L	RE90P-12 and RE90P-18
DESCRIPTION:	Barrier, Boundary Microphone	Hanging Microphone	Ultra-Miniature Lapel Microphone	12-inch (RE90P-12) 18-inch (RE90P-18) Microphone
ELEMENT:	Condenser	Condenser	Condenser	Condenser
POLAR PATTERN:	Cardioid	Cardioid	Omni	Cardioid
FREQUENCY RESPONSE:	80-15kHz	75-15kHz	50-18kHz	70-15kHz
SENSITIVITY:	25mV/pascal	27mV/pascal	12.6mV/pascal	4.5mV/pascal
DYNAMIC RANGE:	102 dB	95 dB	103 dB	102 dB
POWER REQUIREMENT:	9-52 Vdc	9-52 Vdc	9-52 Vdc	9-52 Vdc
CURRENT CONSUMPTION:	2.5 mA	2.0 mA	1.0 mA	2.5 mA
OUTPUT IMPEDANCE:	200 Ohms	200 Ohms	100 Ohms	200 Ohms
FINISH:	Low-Gloss Black (RE90B), Low-Gloss White (RE90BW)	Low-Gloss Black (RE90H), Low-Gloss White (RE90HW)	Low-Gloss Black	Low-Gloss Black
DIMENSIONS:	94.1 mm (3.7 in.) W x 128.4 mm (5.1 in.) L x 16.0 mm (0.63 in.) H	12.7 mm (0.4 in.) D x 36.8 mm (1.45 in.) L	4.9 mm (0.19 in.) D x 8.1 mm (0.32 in.) L	12.7 mm (0.4 in.) D x 40.0 mm (1.6 in.) L
FEATURES:	Low profile, rugged construction; full-base non-slip shock pad; miniature 6-foot cable; standard 3-pin male XLR-type output connector	Small profile, rugged construction; 25-foot braided, shielded cable; standard 3-pin male XLR-type output connector	External windscreen, alligator clip, and tie-tac clip included; 6-foot shielded cable; light-weight clip-on 3-pin XLR-type output connector	Flexible, durable steel tube and gooseneck construction, external pop filter included; optional FMK flange mount and CPSM shock mount kits available; standard 3-pin male XLR-type output connector



Electro-Voice®

600 Cecil Street, Buchanan, Michigan 49107, Phone: 616/695-0831, Fax: 616/695-1304

Electro-Voice, 345 Herbert St., Gananoque, Ontario, Canada K7G 2V1, Phone: 613/382-2141, Fax: 613/382-7466

Electro-Voice, A.G., Keltenstrasse 11, CH-2563 IPSACH, Switzerland, Phone: 011-41/32-51-8833, Fax: 011-41/32-51-1221

Electro-Voice, Hirschberger Ring 45, D-94302, Straubing, Germany, Phone: 011-49/9421-7060, Fax: 011-49/9421-706265

Electro-Voice, Parc de Courcier—Allée Lesch-Watessa, Lognes, F-77185 Marne La Vallée, France, Phone: 011-33/1-6480-0090, Fax: 011-33/1-6086-5105

Electro-Voice, 2-5-60 Izumi, Suginami-ku, Tokyo, Japan 168, Phone: 011-81/3-3325-7900, Fax: 011-81/3-3325-7789

Electro-Voice, Unit 24, Block C, Slough Business Park, Slough Ave., Silverwater, N.S.W. 2141, Australia, Phone: 011-61/2-648-3455, Fax: 011-61/2-648-5585

Electro-Voice, Unit E & F, 21/F, Luk Hop Industrial Bldg., 8 Luk Hop St., San Po Kong, Kowloon, Hong Kong, Phone: 011-852/351-3628, Fax: 011-852/351-3320

RE90H/RE90HW
Condenser Cardioid
Hanging Microphone



Key Features:

- RF Shield provides superior RFI/GSM shielding
- Cardioid polar pattern
- Non-reflecting black (RE90H) or low-gloss white (RE90HW) with matching cable
- Shielded pre-amp is highly-resistant to electrical noise and radio frequency interference
- 25-ft. braided, shielded cable maintains microphone's position (not rotation)
- Three-pin male XLR-type output connector fits with female bulkhead XLR-type connector

General Description:

The Electro-Voice RE90H and RE90HW are part of the RE Series Architectural Microphone Group, and are highly-shielded from RFI/GSM thanks to EV's exclusive RF Shield technology. The RE90H and RE90HW are back-electret condenser hanging microphones providing an extended, flat frequency response with a controlled cardioid polar pattern for high-quality sound reinforcement. The RE90H is specifically designed for live pickup of choirs, instrumental and vocal groups, and theater. The size and color of the transducer and cable allow the microphone to blend in with its surroundings. RE90H's low self-noise and high-output signal level combine to produce low-noise, sound-reinforcement and recording. Exceptionally high sensitivity, a uniform cardioid polar response, and smooth frequency response make the RE90H ideally suited for distant sound pick-up. The cardioid polar pattern is precisely controlled and is highly effective in suppressing feedback without coloration of sound. Power for the RE90H is obtained from any phantom source supplying 9 to 52 volts. The RE90H is furnished with 25 feet of black (RE90H) or white (RE90HW) miniature braided shielded cable. The design of the cable ensures the microphone's horizontal position will be held stable without the need for fish-line tethering. The RE90H is easily aimed at the performance with the supplied steel wire hanger and holding nut. The wire hanger attached to the microphone element and cable can be bent to aim the microphone in the vertical plane. To position the microphone on the horizontal plane, loosen the holding nut on the back of the microphone and slightly twist the microphone on the wire holder (clockwise rotation rotates the RE90H to the left; counterclockwise rotation rotates the RE90H to the right). Secure this position by tightening the holding nut.

Note: For fixed installations, allow the microphone cable to hang for at least 24 hours so the cable can completely relax and establish a set. This allows the microphone to be accurately positioned over a choir, stage, or orchestra.



Technical Specifications:

Generating Element:	Condenser, back electret
Frequency Response:	75Hz to 15,000Hz (see chart)
Polar Patterns: (see chart)	Cardioid
Sensitivity:	Open Circuit Voltage, 1kHz: 20mV/Pascal
Clipping Level (1% THD):	120dB SPL
Equivalent Noise:	25dB SPL "A" weighted (0 dB=20 micropascals)
Dynamic Range:	95dB
Output Impedance, 1 kHz:	200 Ohms
Power Requirements:	Phantom, 9–52VDC
Current Consumption:	<5 mA with P48 supply
Polarity:	Pin 2 positive, referenced to pin 3, with positive pressure on the diaphragm
Dimensions, Transducer:	Diameter = 12.7mm (0.4") Length = 36.8mm (1.45")
Dimensions, Electronics Module:	Diameter = 19mm (0.75") Length = 94mm (3.7")
Color (finish):	RE90H = Low-Gloss Black RE90HW = Low-Gloss White
Environmental Conditions:	Relative Humidity 0 to 50% -29°C to 74°C (-20°F to 165°F) Relative Humidity 0 to 95% -29°C to 57°C (-20°F to 135°F)
Cable:	Length = 7.6m (25ft)
Net Weight:	157g (5.5oz)
Shipping Weight:	324g (11.4oz)



Applications:

When hanging one or more microphones to provide coverage for a choir, instrumental or theater group, the best microphone position for optimum sound quality and feedback control depends on many factors—sound system characteristics, construction of the auditorium or theater, and the size and nature of the performing group. Two general rules to observe for the best sound coverage are (1) microphone position and (2) the “3-to-1 rule.”

The first rule is to suspend the microphone approximately two to three feet in front of the first row of performers and two to three feet higher than the heads of the last row of performers. The microphones are usually aimed to point at the last row of performers (see Figure 1). The second rule, the “3-to-1 rule,” should be applied when more than one microphone is required, and their outputs are combined (as with a mixer). Following the 3-to-1 rule avoids the deep voids and dips in frequency response that occur when two or more microphones “see” the same signal from slightly different distances. The 3-to-1 rule is as follows: when multiple microphones are used, place them at least three times as far apart as any one of them is from the nearest sound source. Figure 2 shows a proper application of the 3-to-1 rule. The RE90H/HW may also be used to provide coverage for live theater applications (Figure 3). Most of the action occurs at center stage, so the microphone should be positioned above and pointed to the center of the stage.

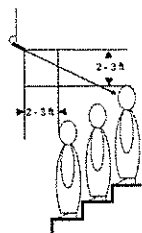


Figure 1: Hanging Mic Placement

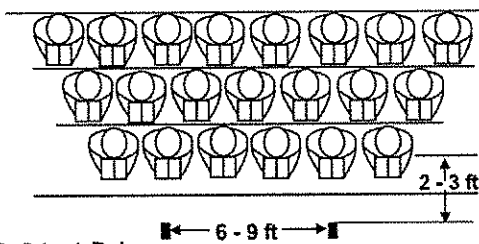


Figure 2: 3-to-1 Rule

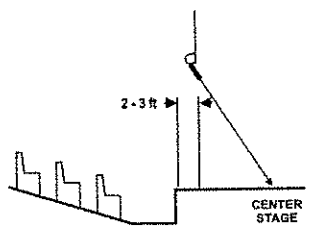


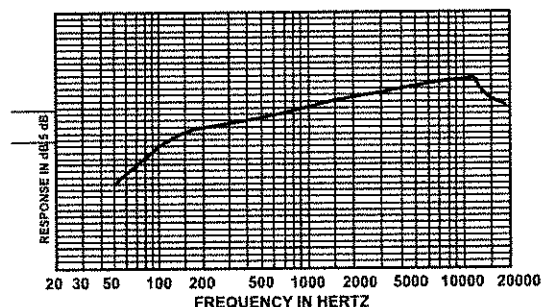
Figure 3: Live Theater Placement

Architects' and Engineers' Specifications:

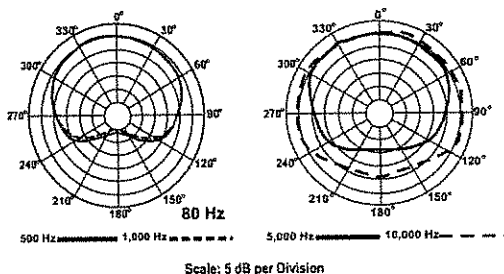
RE90H and RE90HW

The microphone shall be a back-electret condenser type with a frequency response of 75Hz to 15kHz. The microphone shall produce a high degree of output signal quality despite the possible near-field presence of RF (Radio Frequency) devices such as cell phones. The microphone shall have a cardioid polar pattern with a rear response which is typically 15dB below the front response at 1.0kHz. The microphone shall have an output level of 20mV/Pascal, and output shall not be appreciably affected by the following temperature and humidity extremes: 29°C to 74°C (-20°F to 165°F) when the relative humidity is 0-50%; -29°C to 57°C (-20°F to 135°F) when relative humidity is 0-95%. The microphone shall have a nominal, balanced output impedance of 200 Ohms when connected to its electronics module. The microphone shall have a low-gloss black finish (RE90H) or a low-gloss white finish (RE90HW). The cable color shall match the transducer. The transducer shall have a wire hanger for directing the microphone. Dimensions: the transducer shall be 12.7mm (0.4in.) wide and 36.8mm (1.4in.) long; the cable shall be 7.6m (25ft) long and 2.6mm (0.1in.) in diameter. The electronics module shall be a metal cylinder 94mm (3.7in.) long and 19mm (0.75in.) in diameter. Termination to the electronics module shall be a 3-pin male XLR type connector. The Electro-Voice RE90H and RE90HW are specified.

Frequency Response:



Polar Response:



Warranty:

Please refer to the Limited Warranty information found at: www.electrovoice.com

Electro-Voice

12000 Portland Avenue South, Burnsville, MN 55337
Phone: 952/884-4051, Fax: 952/884-0043

www.electrovoice.com

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Part Number F.01U.179.711 Rev 06



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Other International locations. For customer orders, Contact Customer Service at: + 1 952 884-4051 Fax: + 1 952 887-9212

For warranty repair or service information, contact the Service Repair department at: 800/685-2606

For technical assistance, contact Technical Support at: 866/78AUDIO

Specifications subject to change without notice.

Mike Blau

From: Joe Lemischak <jl@colortone-av.com>
Sent: Wednesday, December 03, 2014 12:10 PM
To: Mike Blau
Subject: RE: Ceiling Microphone
Attachments: RE90H_RE90HW_Engineering_Data_Sheet.PDF; RE90_Microphone_Series_Brochure.pdf

Mike,

Generally these microphones are left in place since the height and orientation at which they are installed is fairly critical. Since it will be white and is rather small it is practically invisible.

I have attached information for your reference.

In the picture on the engineering data sheet you will see both the power module and the microphone.

The power module will not be visible. Only the microphone element on the right side of the picture will be seen.

It will hang down on a very thin white wire and the mic itself will be white.

In the series brochure on page 3 you will find an enlarged picture of the microphone element that is hung down from the ceiling.

The microphone element will be 6' +/- above the floor and above where presentations are done from the easel.

I know Mike Lavoie wants the mic attached to the ceiling and I would confirm its final location with you and him before it gets installed.

Let me know if you need anything else.

I hope this helps.

Joe

From: Mike Blau [mailto:MBlau@tarrytowngov.com]
Sent: Wednesday, December 03, 2014 11:30 AM
To: Joe Lemischak
Subject: RE: Ceiling Microphone

Can you send me a picture of what it will look like. For this one, I want to pass it by the Board of Trustees since it will be so noticeable. Will it be hanging down at all times or only during the meetings that are televised? If so, how will it be wrapped up so it will not be visible during court sessions? Sorry to ask all of these questions, but I know my Board will ask these questions.

From: Joe Lemischak [mailto:jl@colortone-av.com]
Sent: Wednesday, December 03, 2014 10:02 AM
To: Mike Blau
Subject: Ceiling Microphone

Mike,

I have attached the quote for the installation of the ceiling microphone that Mike Lavoie wants for the system.

I am sorry I haven't sent this sooner but I had a "senior moment" and it slipped by.

Let me know if I can amend the existing PO of if you will send a new one to cover this.

Joe

Joseph Lemischak

Colortone Audio Visual
75 Virginia Rd.
North White Plains NY 10603

O 914-592-4151
C 914-403-3274

Member of the USAV Group

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Phone: (914) 592-4151
Fax: (914) 592-2833
Web: www.colortone-av.com

Village of Tarrytown
Deopt Plaza
Tarrytown NY

Date:	12/3/2014
Salesperson:	Joe Lemischak
Cust #:	110547
Quote #:	Ceiling Microphone

[illegible]

All sales are taxable except where exempted by law.

SUBTOTAL	\$	940.00
FREIGHT	\$	50.00
TAX	\$	-
TOTAL	\$	990.00

Historic Greystone On Hudson



November 29, 20114

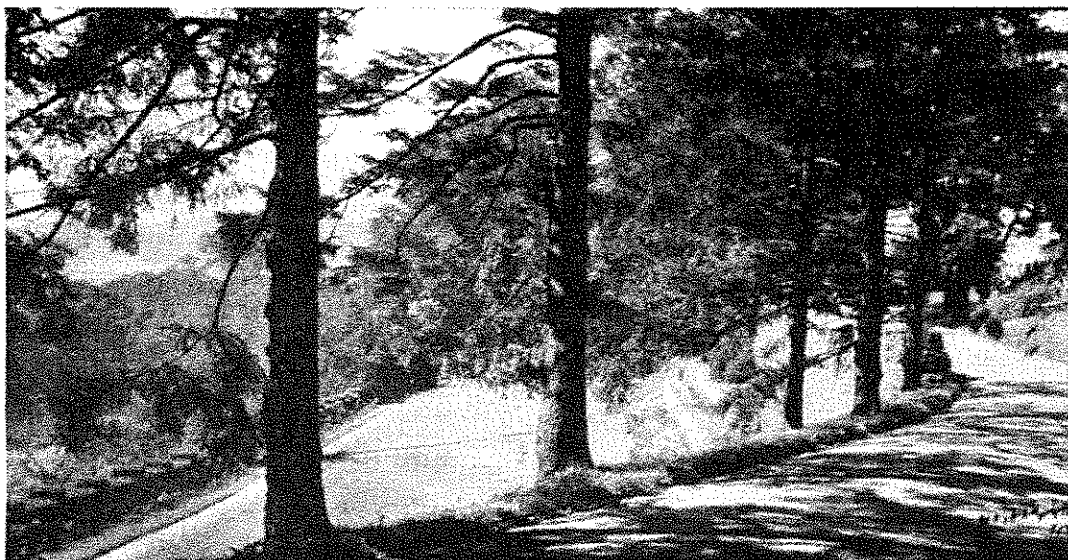
*Michael Blau
Village of Tarrytown
1 Depot Plaza
Tarrytown, NY 10591*

Re: Steep Slopes Waiver Request - Greystone on Hudson

Dear Mr Blau:

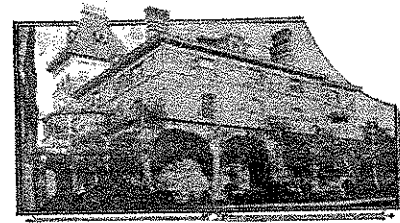
As per my conversation with David Aukland and meeting with Lucille Munz I am writing you to help us preserve our historic tree lined road. As you may remember we went to great effort along with the Village Planning Board to save the Historic Greystone tree lined road lined that lead to the original Greystone castle which today features 100 year old sugar maples pictured below as baby sugar maples circa 1909 in Exhibit A.

"Exhibit A"



The Planning Board actually ended up granting us a waiver to construct an 18' wide road in order to save the specimen trees and we have spent approximately \$100,000 more than we had to digging out our current road by hand in the area of

Historic Greystone On Hudson



the trees to make sure they were safe. Please see Exhibit B below which shows our current tree lined road which we think looks great and helped preserved the rich history of Tarrytown and of the historic Greystone Castle.

Exhibit B



As I assume you are aware Emerald woods has begun their construction right behind Gracemere Park completely visible to our tree lined road. As a result we need to screen the the tree lined road from Emerald Woods as we are ready to launch soon and their materials and yellow construction vehicles dominate our view shed. The problem is that these 100 year old specimen trees have giant root systems so If we planted uphill by the road or even down the hill by the fence we will compromise the trees root systems which were already compromised due to our previous construction. Compounding the problem is that there is a severe steep slope between the speciman trees and the fence (12' to 14' grade difference) so there is no flat area in front of the fence to plant the screening trees. I met with Village Landscape consultant Lucille Munz to discuss our concerns and she concurred that

Historic Greystone On Hudson



planting the trees on our side of the fence would compromise the remaining root systems of the specimen trees. David Aukland and Stanley Friedlander of the planning board also think the same.

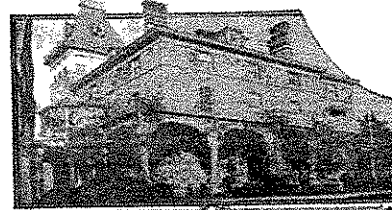
So I am proposing for you to please help us preserve the specimen trees on our tree lined road by allowing us to plant the aforementioned screening trees on the Gracemere Park side of our fence which as you can see from "Exhibit C" below has a completely flat area outside of the drip lines of the historic specimen trees. As you will also see from Exhibit C there is no vegetation right behind the fence and no trees or shrubs need to be removed to make this happen.

Exhibit C

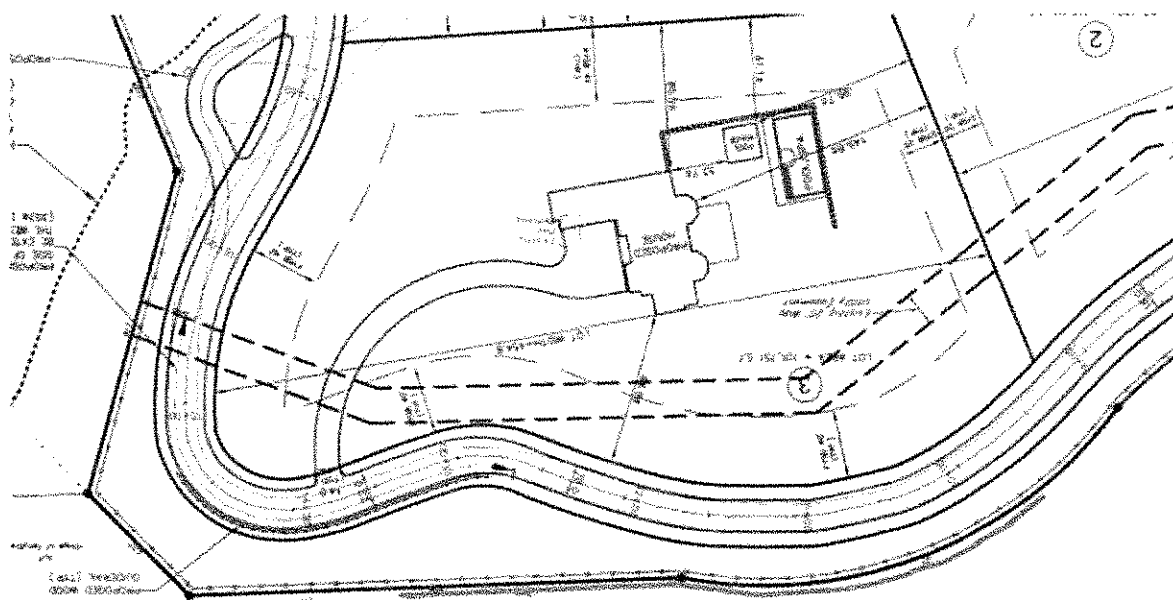


Flat area with no
vegetation

Historic Greystone On Hudson



"Exhibit D" below is a map of the area our historic tree lined road is located. The blue line shows where we propose staggering the specimen trees Which Lucille agreed should be located approximately 5 feet off the fence.



We propose planting various spruces (serbian, noraway, colorado....) and other deer resistant evergreens for the screening in consultation with Lucille.



Historic Greystone On Hudson



I appreciate your consideration of our proposal to plant the screening trees on the Gracemere Park side of our fence. I am also enclosing a letter from Lucille Munz which confirms for the sake of saving the specimen trees this makes sense to do.

If you have any questions please give me a call. Thanks again.

Sincerely,



*Andy Todd
President
Greystone on Hudson*

STAFF REPORT

TO: Michael Blau, Village Administrator
Village of Tarrytown

FROM: Lucille Munz, ASLA

DATE: December 4, 2014

RE: Greystone - Response to Nov. 26, 2014 Memo from Andy Todd
Tree planting within open space buffer and steep slopes

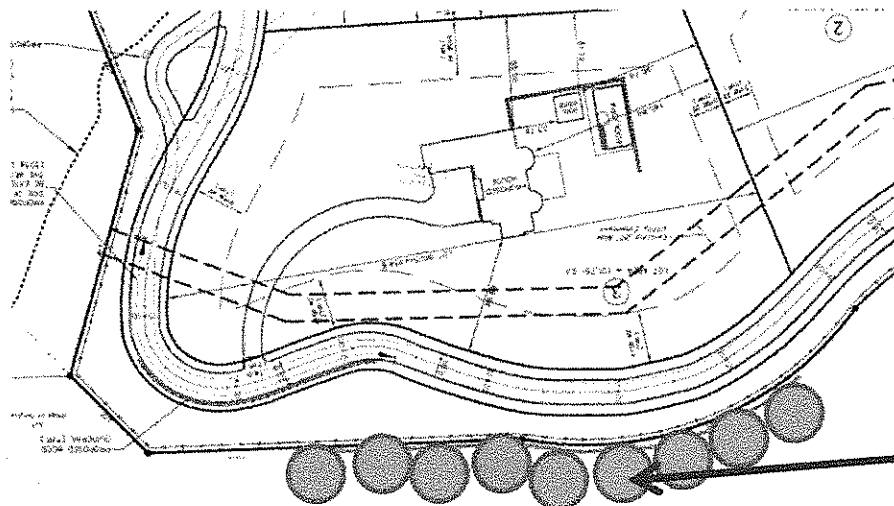
This memorandum has been prepared as a summary of my site visit on 11-19-14 and subsequent review of Andy Todd's letter dated 11-26-14 requesting permission to plant evergreen trees on the Gracemere property open space in order to provide visual screening of future Gracemere home construction from Greystone property.

In attendance:

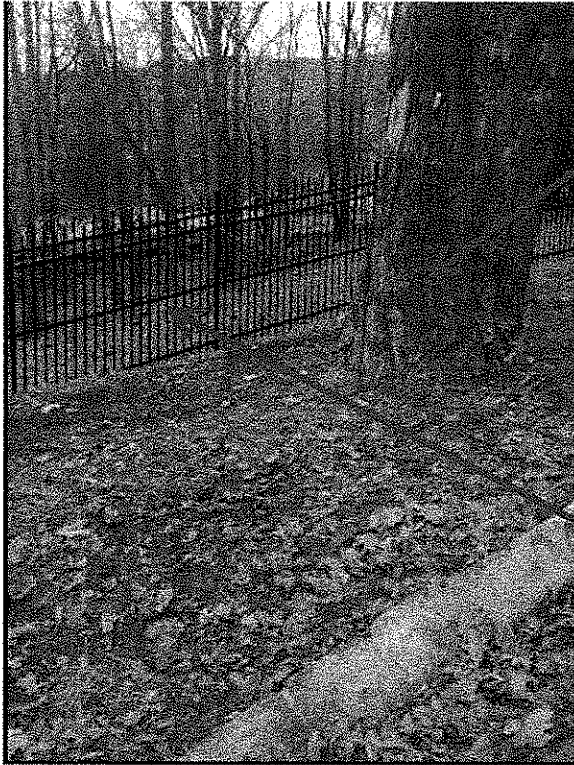
Andy Todd, Developer
Lucille Munz, ASLA – Village Landscape Architect

Observations:

- 1) Planting on the Greystone property in this area is difficult due to existing slopes and would potentially damage the existing heritage sugar maples along the road.
- 2) The proposed plantings are good species choices for the task at hand for screening and low maintenance.
- 3) The proposed screening would have a mutual benefit for the Gracemere and Greystone Developments as well as provide screening for the open space and the future trail connection.



Proposed
location of
screening trees
on the
Gracemere
property open
space



This view is taken from the Greystone road looking north east towards the Gracemere property. The trees are sugar maples and Mr. Todd's proposal is to plant on the Gracemere property to protect the existing sugar maples.

Proposed area for planting on the other side of the fence, the Gracemere side.

RECOMMENDATIONS & REQUIREMENTS:

If the Village grant's the applicant's request for planting on the Gracemere property open space I would recommend and/or require the following:

- 1) That a planting plan be provided for the Village's Landscape Architect's review and approval.
- 2) That the trees be planted a minimum of 10' – 0" from the fence as this would provide a more adequate area for the habit and growth of the trees.
- 3) That invasive vines within the planting area be removed.

End

Cc: Tarrytown Planning Board

Mike Blau

From: Kelly Murphy <kmurphy@tarrytownfd.org>
Sent: Wednesday, December 17, 2014 2:08 PM
To: Mike Blau; Becky McGovern
Subject: 9/11 Memorial

Hello Mike and Becky,

Well, I presented the 2 drawings to the Board of Fire Wardens (everyone received a copy of the drawings) and I gave them the suggestion of using the base from the one drawing and the 2 piece column from the other drawing. One warden, suggested if the village was looking for more quotes that there is someone in Ossining that does them but I explained to them that Mike reached out to numerous vendors already.

But the good news is that another Warden made a motion that I was doing a good job and to go with the idea that I suggested to them. So great news no conflict on it.

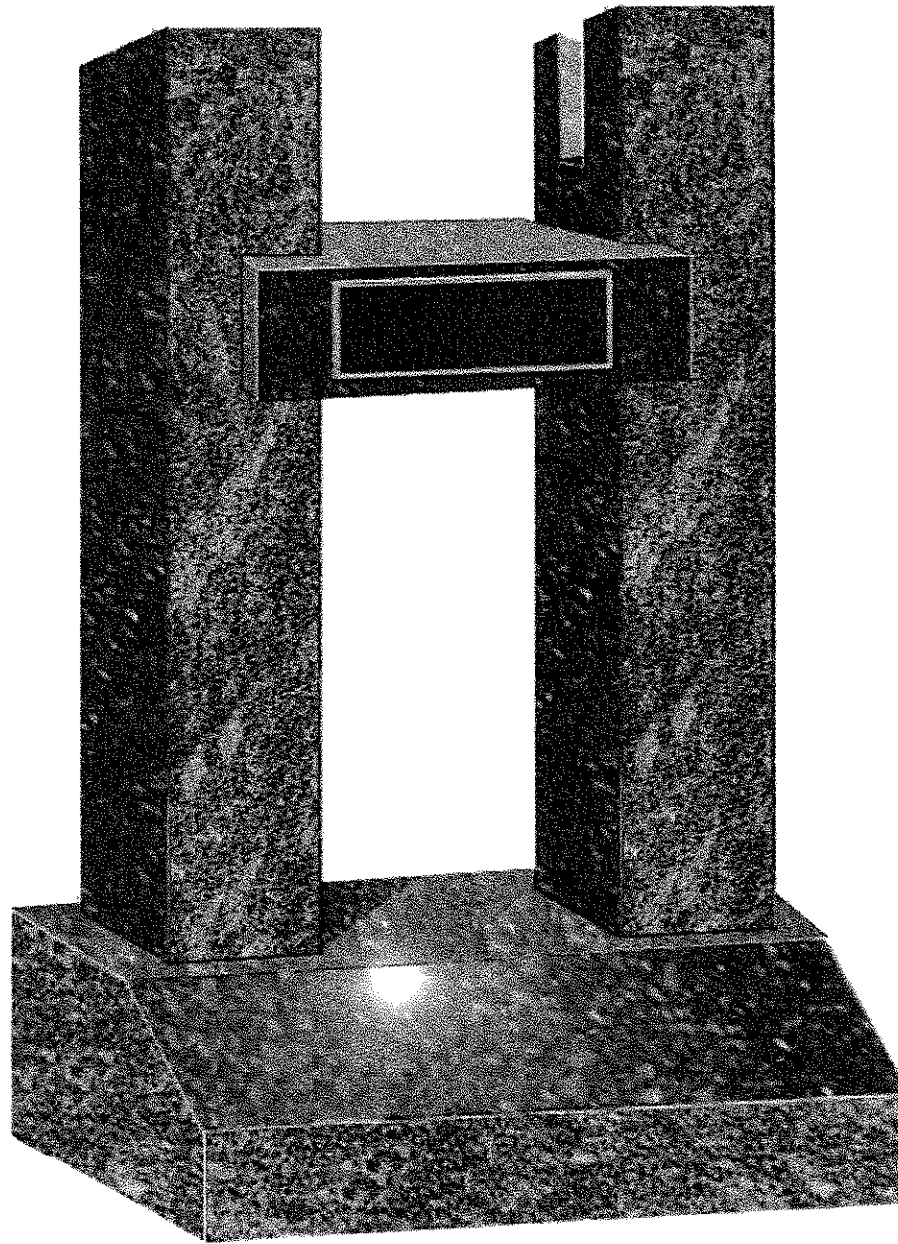
On another note that was brought up after this and I said I would reach out to Mike and let him know is that a warden felt we should have a memorial built for the two guys we lost in the line of duty (I know touchy subject) and another warden spoke up and said that we had two memorial plaques on Main St for them. So I guess this warden wants something bigger for the two guys but this is something we can discuss at a later date in person.

Let me know your thoughts and the next steps!

Thank you,
Kelly

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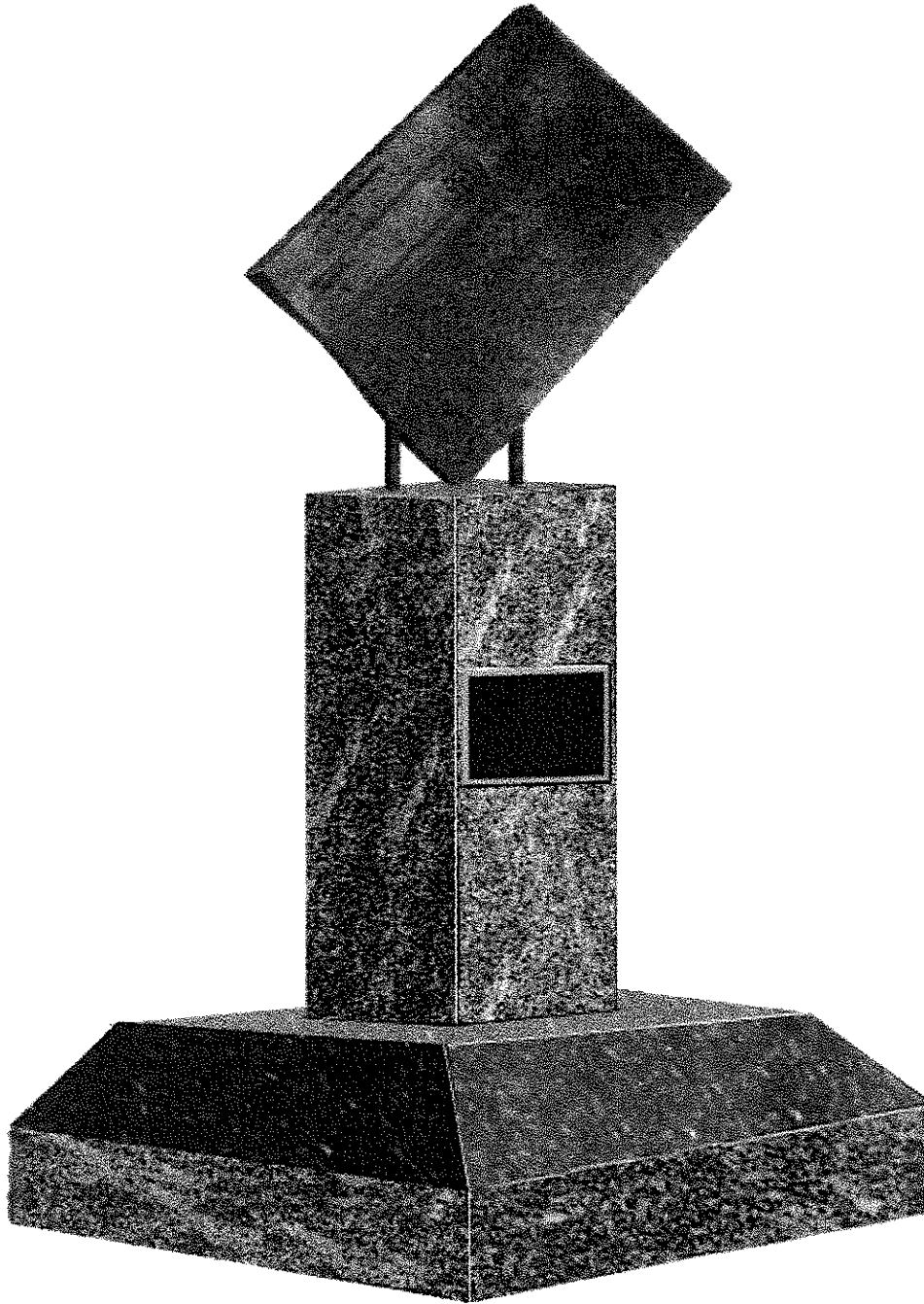


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NOT TO SCALE





Metro-North Railroad

December 19, 2014

Michael Blau
Village Administrator
Village of Tarrytown
One Depot Plaza
Tarrytown, NY 10591

RE: **Hudson Line Substation Upgrade, A-25 Tarrytown**

Dear Mike:

On October 18, 2013, a site visit was held with you, our Senior Facility Engineer and me near Green Street in the Village of Tarrytown to review the location of the new traction power substation at Tarrytown, and to discuss Metro-North's temporary use of Green Street and adjacent property for the construction work area. The new substation will replace the current one that flooded during Superstorm Sandy and will be approximately 22 feet above grade as compared to the existing substation that stands at 19 feet.

The substation will be located on the railroad right-of-way east of Green Street on the west side of the tracks, south of the Tarrytown Station. This letter confirms our understanding that during construction, approximately 340 feet of Green Street will be closed to traffic and a temporary roadway will be constructed west of Green Street to accommodate vehicular traffic. This will allow local traffic patterns to be maintained and creation of a safe work area for the substation construction. There will be no impact to traffic as a result of the temporary roadway. After the construction is completed, Green Street will be re-opened, the temporary roadway will remain and the contractor will extend the paving (from the edge of the paved section of Green Street west to the edge of the fence line) to include the unimproved parking area adjacent to the fence line of Losee Park. Before Green Street is re-opened, Metro-North will also repave Green Street from the yacht club to the south through the construction area. Attached is the contract drawing #C1101, showing the proposed limits of the new street asphalt paving. In exchange for this work, the village will provide use of approximately 3,200 square feet of the Losee Park parking lot for construction staging, including a trailer and parking for the duration of the project.

The approximate commencement date of work is the second quarter of 2015. Metro-North will provide advance notice before work begins. It is estimated that the duration of the entire project will be up to 24 months with the Maintenance and Protection of Traffic Plan for Green Street being in place no longer than 10 months. Because this is related to a SANDY federal funding source, there is extensive oversight on the expenditures of these funds by the FTA.

Village of Tarrytown
December 19, 2014

Please feel free to contact me at (212) 340-3024, if I can be of further assistance.

Sincerely,

Mark Mannix
Senior Director, Corporate & Public Affairs

Agreed and Accepted to:

Michael Blau, Village Administrator

Attachment

cc: R. Benitez
J. Gillies
T. Ritz
M. Loney

J. Harrington
File